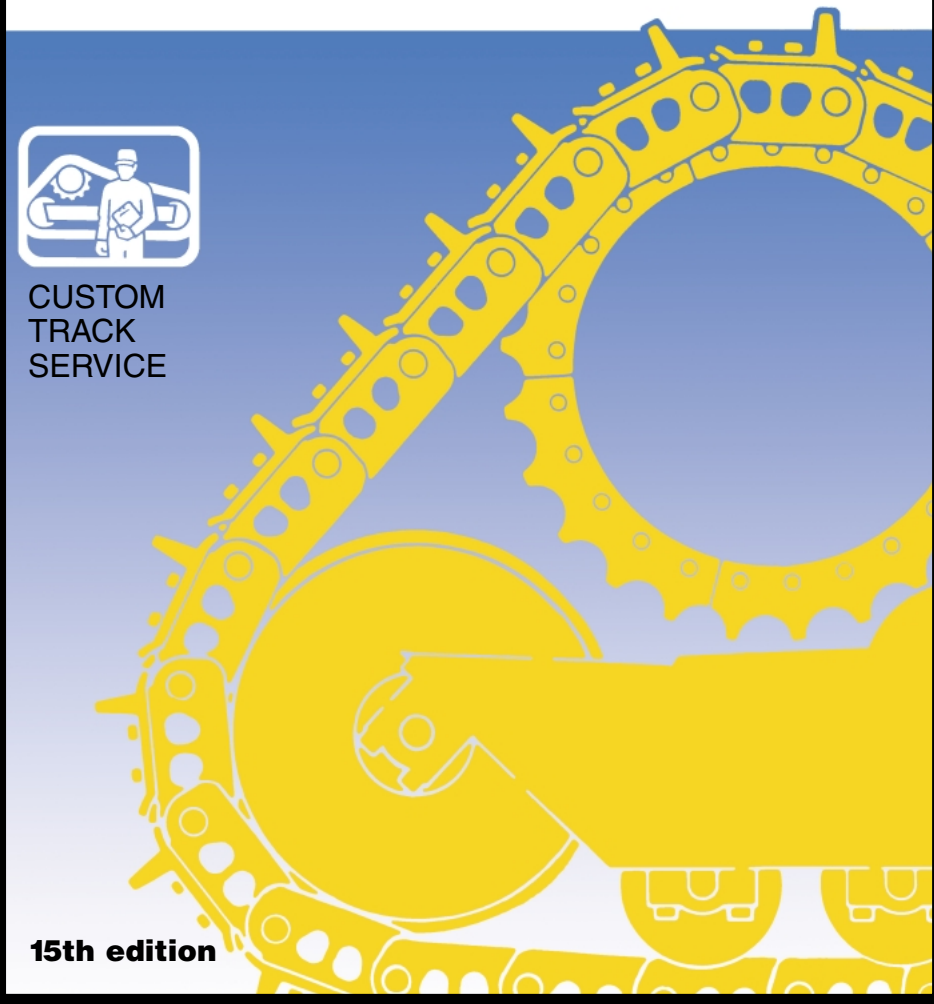
CATERPILLAR®

Custom Track Service Handbook



CUSTOM
TRACK
SERVICE

15th edition

CATERPILLAR® CUSTOM TRACK SERVICE HANDBOOK

15th EDITION

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Caterpillar, Inc.

CATERPILLAR®

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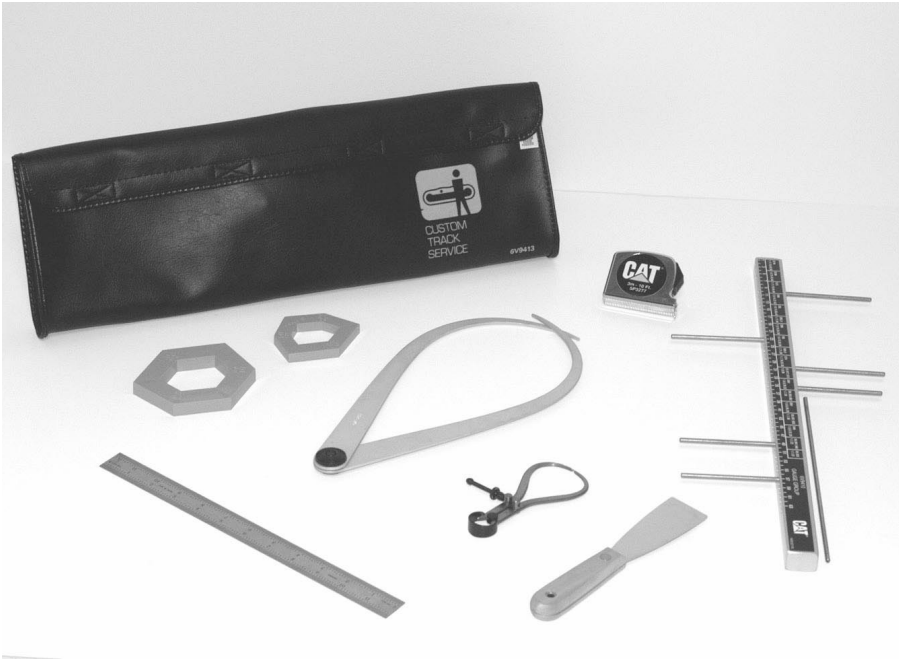


Edition Fifteen is a comprehensive update to the CTS Handbook. Nearly every wear chart in the book was updated. The General Information section, the Management & Merchandising section and the Management section of the four product types were also updated.

Some of the changes you will notice include:

- Cat Classic was added as a new section following Low Sprocket Machines.
- Nearly all wear charts were updated to some extent.
  - The rounding was removed from all measurements for the Ultrasonic Wear Indicator.
  - The carrier roller wear limits were increased for use with Heavy Duty, Rotating Bushing and Extended Wear Life Track.
  - Track roller wear charts for elevated sprocket machines now extend to the point at which the wear surface meets the retainer bolt holes.
  - Greater and Lesser Allowable wear columns were combined into one for large excavators.
- The machine layout is now similar to the PSK, starting with small machines and ascending to the large ones.
- The machine models are up-to-date.
- Pipelayer model numbers were added to the applicable section headers.
- The three excavator sections, the 300-Family, 200-Family and E-Family, can be more easily located with the new, individual tabs.
- Undercarriage Codes for use with the CTS computer program were updated and included in the front of each section and below each wear chart.
- The track seal replacement guidelines were updated.

General Information



6V9413 CTS Tool Kit

Separate Tools

Part Number	Description	Use
6V7784	CTS Pouch	Carrying Tools
8H8580	Scraper	Cleaning U/C Components
5P3920	12" Steel Rule	With Caliper And Depth Gauge
4S9404	4" Caliper	Bushing O.D.
8T7790	6" Caliper	D11N, D11R Bushing O.D.
4S9405	12" Caliper	Roller Diameter
5P3277	12'. Tape	Track Pitch, D4H-D11R Sprockets
5P8616	Sprocket Gauge	D4-D5-D6 Sized Segments
5P8617	Sprocket Gauge	D7-D8-D9 Sized Segments
6V9410*	Depth Gauge	Multi-Purpose All Models

* Replacement parts for the 6V9410 Multi-Purpose Depth Gauge:
6V9409 — 10" Probe
6V9408 — 4" Probe

The complete CTS tool kit allows you to quickly and accurately measure all undercarriage components. Order the complete kit or individual tools from Parts Distribution.

The tools provided in the Caterpillar CTS tool kit are high quality, high accuracy tools which will allow measurements to the closest 0.01" or 0.25 mm. Locally purchased substitutes should have this accuracy and the depth gauge should have at least an 18" base to be used for track roller measurement.



168-7720 Ultrasonic Wear Indicator III Group

Separate Tools

Part Number	Description
168-7720	Ultrasonic Wear Indicator III Group
168-7721	Ultrasonic Wear Indicator III
168-7722	Ultrasonic Probe
9U-7981	Couplant
4C-5490	Couplant Holder
6V-7145	Case (without foam insert)
4C-4772	Foam Insert
4C-3024	Battery Charger (120 or 230 volts, 50/60 Hertz)
9U-6000	Paper Towels (16 towels)
1U-7445	Rechargeable Batteries, Nickel Cadmium (AA)
9U-6175*	Ultrasonic Wear Indicator Soft Protective Case
1U-9533*	Non-rechargeable Batteries, Alkaline (AA)
4C-5488*	Cable Assembly, 9-pin female connector, for PC
4C-5489*	Cable Assembly, 25-pin female connector, for PC
4C-5897*	Cable Assembly for Telephone Modem
NEHS0730	Tool Operating Manual

*Not included with the Ultrasonic Wear Indicator Group

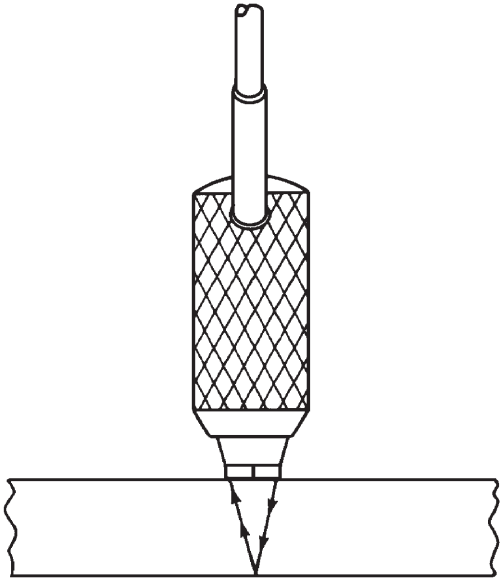
NOTE: A 12-volt automotive power supply adapter (6 volts DC) and an earphone are available through many electronic supply retailers.

Ultrasonic Wear Indicator

The ultrasonic wear indicator measures component thickness by sending high frequency sound waves through the material to be measured. The elapsed time between sending and receiving the sound waves allows the tool to determine thickness.

This electronic CTS tool has the following key features and benefits:

• Ultrasonic wave emitting probe	• Reduces time spent cleaning parts (especially bushings and shoes). • Eliminates measurement errors due to dirt packing around parts. • Measures bushings after turning. • Eliminates errors due to measurement technique differences among inspectors. • Measures idler center flange wear.
• Memory	• Reduces on-site measurement recording. • Stores inspections for 64 machines. • Downloads to CTS computer program for automatic percent worn and projected life calculations. • Uploads previous inspections from CTS computer program to improve speed and quality
• Language capability	• English, French, German, Portuguese, Spanish
• Earphone connector	• Allows users to hear “Coupled” beeping indicator
• Backlight feature	• Allows users to see the display in poor lighting conditions



Variables That Affect Undercarriage Life

The variables that determine complete undercarriage system life and wear balance between components can be divided into three major groupings. The first are those which, to a great extent, are controllable. Controllable variables include track tension adjustment (controlled by user operating and/or maintenance personnel), shoe width (controlled by user operating and purchasing personnel) and on some models, alignment (controlled by user and/or dealer service personnel).

The second major group, non-controllable variables, discussed later in this major section include those life determining factors which are "givens." They come with the job. They are 100 percent determined by the underfoot conditions and include impact, abrasiveness, packing, moisture, terrain and even application, meaning what the machine is doing.

The final major group is sometimes called partially controllable variables and mainly involve machine operator controllable events such as "habits."

A thorough knowledge of each of the elements of all these three major groups is essential if the CTS expert is going to be able to not only explain "what has happened," but also "what could be expected to happen," especially as any of these variables were to change. Awareness of the relative interplay between these variables on the final wear or structural life of specific components, and even on the system is so important that their discussion has been placed at the front of this book. To use the rest of the book before understanding these would be counterproductive.

Controllable Variables

Controllable variables that affect undercarriage life must be separated out for discussion because, in the case of at least the first two, they can have major economic effect on the operation of undercarriage systems.

Track adjustment can have a very large effect on external bushing life, even to the extent of deciding whether a costly turn will or will not be required to use up the link-roller system. Track tension can also affect track seal integrity. Track adjustment is controllable because the user can change it.

Shoe width, for which a detailed discussion follows, is controllable because the user, with your advice, chooses which shoe to order on his new machine and/or changes to when the machine changes tracks or even jobs. Shoe width as you will learn can effect such widely ranging items as track seal and lubricant integrity to link cracking to roller flange wear to bushing wear rate.

Alignment, the third and least critical controllable variable is discussed here because, particularly on low sprocket machines, it is wrongly blamed as a cause for many symptoms. It is beneficial to know how misalignment does and does not affect wear patterns so you can better identify the real cause, controllable or not. A short discussion on track-excited vibration is also placed in this area even though it is only controllable at machine design time.

Track Adjustment

Although the method of measuring the reference sag and adjusting the track varies by machine type, the importance for these different machine types does not. As discussed earlier, track over-tightening can drastically affect external bushing life (increasing wear rate as much as three times) and for this reason alone is listed frequently as a "cause" or "accelerator" under the wear and structural problems section for many components. See separate machine sections for complete instructions on track adjustment.

Shoe Width For Track-type Machines

Track shoe width and degree of impact (bumpiness) can affect the wear life of the undercarriage. Since shoe width is a controllable variable, you can improve performance and wear life of the components by choosing the right shoe.

Use the chart on page 54 to help choose the right shoe for a customer based on the following factors.

Factors Affecting Machine Production

Flotation

Choose shoe width to provide adequate flotation, but not more than is needed. The narrowest shoe which provides adequate flotation will prevent the machine from digging in or sinking into underfoot material. Flotation increases proportionally to shoe width.

Penetraction-Traction

Additional shoe width does not provide greater penetration or traction and consequently does not increase production assuming adequate flotation.

Maneuverability

Additional shoe width increases turning resistance, making the machine harder to handle and decreases productivity.

Versatility

Increased shoe width improves machine versatility allowing it to change from "hard" to "softer" underfoot conditions without losing flotation. However, increased shoe width accelerates wear and structural damage.

Undercarriage System Wear and Structural Life Factors

Shoe Wear Life

Wider shoes do not improve wear life. The extra wear material provided by wider grousers gives a little extra life. The largest variable affecting shoe wear life is slippage.

Shoe Structural Life

Bending stress on the shoe increases proportionately to the distance from the outer edge of the link to the end of the shoe. Cracking, bending and hardware loosening increases as shoe width increases.

Basic Rule of Thumb: Always specify the narrowest shoe possible that will provide adequate flotation and traction without excessive track slippage. See chart on following page.

Link-Roller-Idler Wear Life

Wear rates increase on link rail sides, rollers and idler flanges as shoe width increases because of increased load interference. Increased shoe width can also aggravate link cracking.

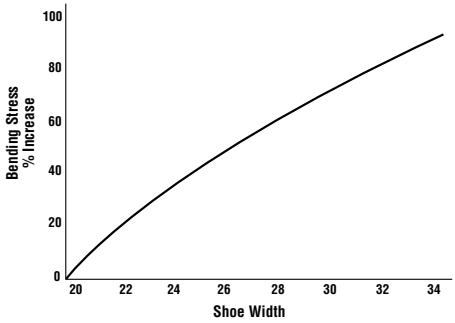
Pin and Bushing Wear Life

External bushing wear rate on Sealed and Sealed and Lubricated Track and internal wear rate on Sealed Track increases as shoe width increases in a given underfoot condition. This is due to the increased loads, weight and twisting.

Pin and Bushing Structural Life

Too wide shoes in high impact or steep terrain can cause pins and bushings to loosen in the link bores. This becomes more evident with high single grouser shoes. Loss of pin and bushing retention prevents successful turn and replacement maintenance.

The following chart shows the effect of track link assembly bending stresses as shoe width increases.



Sealed and Lubricated Track Joint Life

The most costly effect of too wide shoes in high impact conditions and/or steep terrain is the loss of lubricant and seal life resulting in premature dry joints. The wider the shoe, plus the higher the impact, the greater the chance of a pressed track joint "opening up," allowing loss of lubricant. The loss of lubricant occurs when the bushing slides back and forth along the pin. The clearance between the links created by this "opening up" is called end play. End play is permanent and can only be eliminated by pressing the components tight as at initial assembly or when track press work is performed. For maximum lubricant and seal life the machine should be equipped with the narrowest possible shoes which will provide adequate flotation.

In addition, shoes may have grouser corners cut off to reduce turning resistance and bonding forces without loss of flotation and with little loss of overall wear life.

Conclusion

Users should be aware of all the advantages and effects in productivity and wear/structural life factors when choosing shoe width. If all the symptoms of wide shoes are considered on the user's machine and the causes are explained then he will be able to choose the shoe width based on a better compromise between productivity and wear life.

ALIGNMENT

Alignment for all Track Type Machines excluding *D9R (SN 7TL1212-up and 8BL1422-up) *D10R (SN 3KR1331-up) and *D11R (SN 9TR202-up and 9XR154-up).

Proper roller frame, idler and sprocket alignment is important to avoid accelerated, unbalanced wear on moving undercarriage components (roller tread and flanges, link rails and rail sides and sprocket segment or rim sides).

As a general rule any wear pattern differences between left and right, inner and outer, or front and rear may be due to improper alignment of one or more parts of the roller frame, idlers or sprocket.

Complete discussion on checking and measuring roller frame alignment plus straightening procedures are discussed in Special Instruction SEHS8146-01 available from Service Publications.

Here is a description of the more common types of alignment problems, their cause, effect, and the steps required to correct the cause:

*Note: These machines have unique Track Roller Frame alignment to increase link and roller life. This is further detailed in Service Magazine SEPD0469.

Roller Frame

(including diagonal brace)

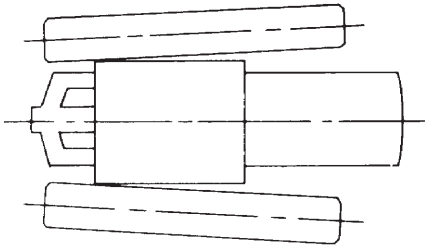
Toe-In and/or Toe-Out

When viewed from the top, either or both of the roller frames is not parallel to the center line of the tractor.

CAUSE: temporarily (during load only) or permanently bent diagonal brace or roller frame

EFFECT: unbalanced wear when comparing inboard versus outboard roller and idler flanges and rail sides — rollers worsen from rear to front

REMEDY: straighten diagonal braces and repair mounting bearings



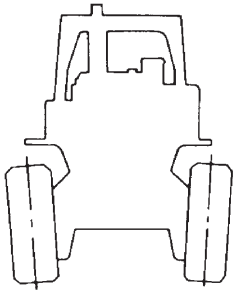
Tilt

When viewed from front or rear the roller frame tilts toward or away from tractor.

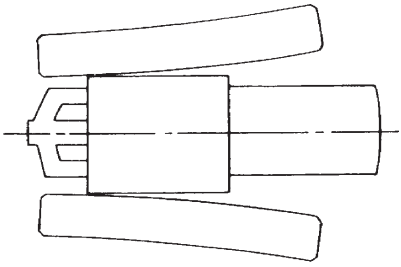
CAUSE: permanently bent diagonal brace, broken mountings or bearings

EFFECT: unbalanced wear when comparing inboard versus outboard roller, idler, link treads and flanges — unbalance from front to rear on rollers

REMEDY: straighten diagonal brace and/or repair mountings



Bow



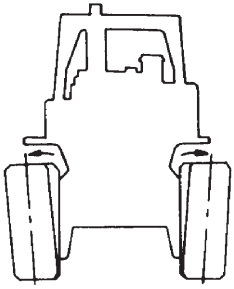
Similar to toe-in and toe-out, but roller frame is bent and curves in or out with respect to tractor.

CAUSE: bent roller frame

EFFECT: similar to toe-in and toe-out except rear rollers are not affected

REMEDY: straighten roller frame

Twist



When viewed from the front, the roller frame is twisted, with the front end of the roller frame tilted out.

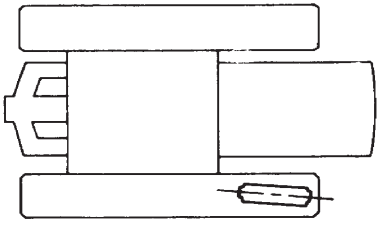
CAUSE: roller frame twisted around a horizontal axis parallel to the tractor

EFFECT: similar to effect of tilt except that rear rollers should not be affected

REMEDY: straighten roller frame

Idler Mounting

Toe-in or Toe-out



When viewed from top, idler is not parallel to center line of roller frame.

CAUSE: bent idler support box sections or bent idler yoke

EFFECT: wears inner rail sides and idler flanges most — may affect wear on front roller flanges

REMEDY: straighten idler support box sections or yoke

Idler Height

The distance that the tread of the track idler is above the tread of the adjacent track roller.

CAUSE: insufficient or excessive idler height

EFFECT: as track roller tread wear and damage, deterioration or loss of bogie pads occur, and excessive machine vibration may result. Vibration is the result of insufficient idler height. Excessive idler height results in poor dozing control, particularly while performing finish dozing operations.

REMEDY: correct shimming

ALIGNMENT

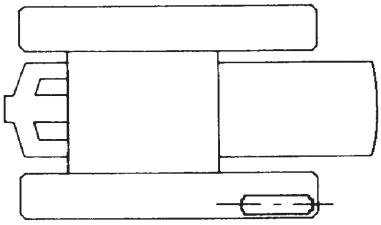
Lateral Displacement

When viewed from top, idler is parallel to, but moved toward or away with respect to the tractor and roller frame.

CAUSE: improper shimming

EFFECT: wears inner or outer idler flanges and inner rail sides selectively and may affect front roller(s) if severe

REMEDY: correct shimming



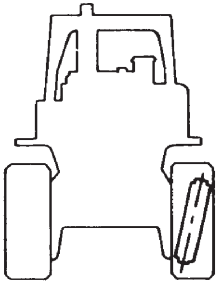
Twist — Tilt

When viewed from front, idler tilts out of vertical plane.

CAUSE: bent idler support box frame (inner and/or outer up and/or down with respect to each other)

EFFECT: same as toe-in or toe-out

REMEDY: same as toe-in or toe-out



Sprocket

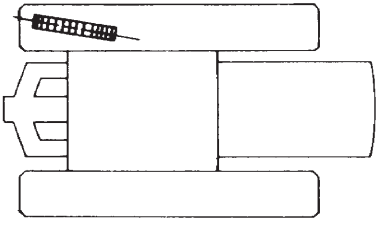
Toe-in, Toe-out

When viewed from top, sprocket not parallel to center line of roller frame.

CAUSE: sprocket shaft bent forwards or backwards

EFFECT: wears both inner link sides and both sides of segments

REMEDY: straighten or replace sprocket shaft



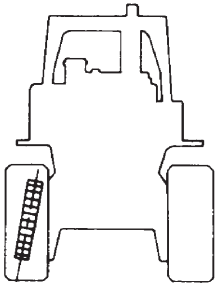
Twist

When viewed from rear, sprocket is leaned or tilted in or out with respect to the roller frame.

CAUSE: sprocket shaft bent up or down

EFFECT: inboard or outboard sprocket sides and rail insides worn selectively, may affect rear roller flanges

REMEDY: straighten sprocket shaft



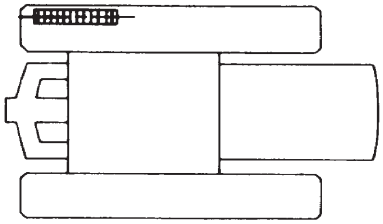
Lateral Displacement

When viewed from top or rear, sprocket is parallel to but moved in or out with respect to tractor and roller frame.

CAUSE: sprocket not pressed proper distance onto shaft

EFFECT: inboard or outboard sprocket sides and rail insides worn selectively, may affect rear roller flanges

REMEDY: re-position sprocket on shaft



General Statements about Alignment Problems, Symptoms, Causes, Effects and Remedies:

1. The larger and heavier the machine and the more severe impact, the greater likelihood of temporary and permanent alignment problems.
2. Alignment problems of roller frame idler and sprocket will affect all links the same.
3. Alignment problems of roller frame, idler and sprocket will affect rollers unequally from front to rear and from inner to outer flanges and treads.
4. Horizontal straightness of roller frame will not affect track but will affect front and/or rear roller treads compared to center.
5. Snaky track will not cause near the degree of damage as compared to misalignment.
6. Carrier rollers can be used as a more visual indicator of roller frame alignment but are not as reliable as comparing track rollers.
7. If left side of tractor has different misalignment-type wear patterns than right side, the problem is probably due to permanent, rather than temporary, (working loads) causes.
8. Unbalanced loads due to side hill operation will result in front to rear and left side to right side similarly in wear patterns on all parts affected.
9. If misalignment is suspected, it is important to at least measure the misalignment degree, if not completely correct it before installing new undercarriage components.
10. Tight track increases the effect of all types of alignment problems because it increases the loads between the interfering components.

For more complete descriptions and cross reference of specific component wear patterns that may be caused by misalignment, refer to the discussions under each component and model.

Track-Excited Vibration

Track-excited vibration is the most widely encountered vibration on track-type machines. However, it is not understood by many persons who work with these machines. As the machine moves, each link, as part of an endless rail, makes contact with two curved surfaces — each with a different radius. These are the idler and the track rollers. Contact between the links, idler and rollers results in wearing of the links' once-straight surface. The contact between the idler and the link creates a worn radius in the center of the link similar to that of the idler.

The track rollers have a similar effect on the ends of the links, which are narrowed to permit them to overlap where they are connected together. Because this overlap isn't 100 percent, the greatest amount of wear is near the ends of the links, and the size of the worn area has a radius similar to that of the track rollers. As a result of this wear, a scallop pattern is formed on the surface of each track link. (See page 30).

This type of link wear can be accelerated by three factors — abrasiveness and moisture content of the soil, machine weight and travel speed and underfoot conditions. Rough underfoot conditions can place higher loads at a given point on a link. It is possible, on rocky or rough terrain, to have a higher load on a link on one side of the machine than on the other side. Although rough terrain can accelerate wear, it is sometimes possible that track-excited vibration will go unnoticed on rough terrain, yet be apparent when the machine is working on a smooth surface.

Along with the depth of scallop, the scallop-roller spacing relationship is what determines how smoothly the machine will travel on the links. If the spacing of the track rollers and scallops are uneven, so that some of the rollers are on the high points of the links while others are over the low points, the machine will move across the scallops smoothly. However, if the spacing is the same, the rollers will rise and fall in unison with each scallop as they pass over the links, thus creating vibration.

Two factors, machine speed and the depth of the scallops, affect the amount of vibration. The speed of the machine determines the frequency of the vibration while the depth of the scallops controls the amplitude of the vibration. In addition, natural frequencies, which occur in all structures, can respond to the vibration. Because of this response, it is possible for certain parts of a machine, such as the roll-over protection structure, sheet metal components, or, sometimes, the whole machine, to respond to the initial frequency and begin vibrating.

The vibration can be reduced by replacing deteriorated isolation mounts where necessary, replacing any broken or missing fasteners and by generally keeping the machine in good repair. A change in operating speed or technique, or a change of counterweights or attachments may reduce the effect.

Testing and Adjusting Front Idler Position and Machine Balance (D4H to D7R)

Operator complaints of ride arise when a machine is vibrating more than normal. Abnormal vibration is generally caused by an idler that is lower than the track rollers, a machine that is not balanced, or scalloped track links.

Special Instruction entitled "Adjustment of the Position of the Front Idlers and the Balance of the Machine for Improved Ride or Improved Fine Dozing," REHS0862-02, dated June 01, 2001, covers the following topics:

- Correct Track Installation
- Measuring Grouser Rise Height
- Verify the Installation of the Correct Idlers
- Measuring the Depth of the Link Scallop
- Shim Charts for Idlers
- Measuring the Height of the Front Idler Tread

- Checking the Balance of the Machine
- Adjusting the Height of Center Tread Idlers

Procedure to Determine Idler Height (D8L, D8N, D8R, D9L, D9N, D10, D10N, D11N Tractors)

Model	Applicable Serial Numbers
D8L	All
D8N	All
D8R	All
D9L	All
D9N	All
D9R	All
D10	All
D10N	All
D10R	All
D11N	All
D11R	All

As track roller tread wear and damage, deterioration or loss of bogie pads occur, and excessive machine vibration may result. This vibration is the result of insufficient idler height. Idler height is the distance that the tread of the track idler is above the tread of the adjacent track roller. See Illustration 1 for the area to be measured.

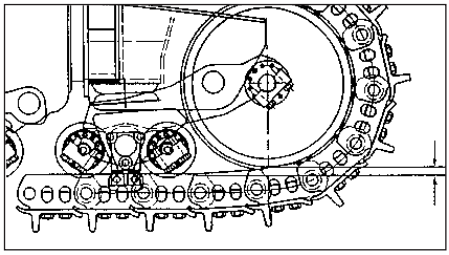


Illustration 1. Idler Height.

Under typical operating conditions, wear causes the diameter of the track roller treads to decrease at approximately twice the rate of the track idlers. When the front or rear rollers reach approximately 70 percent wear, the idler height may approach the minimum recommended value. Variations in operating conditions influence the wear rates.

Additionally, the installation of new or rebuilt idlers on machines with partially worn track rollers directly affects idler height.

To measure idler height, use the following procedure.

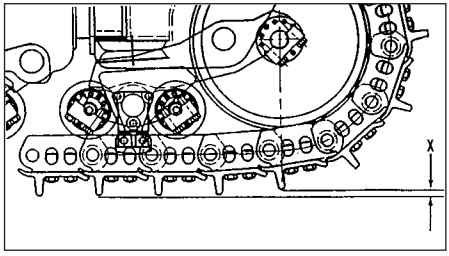


Illustration 2. Measurement points on a hard surface.

1. Move the machine to a hard, level surface. Inspect to make sure all bogie pads are in place. If any pads are missing or unserviceable, they should be replaced.

Chart A

Model	Front Idler Nominal	Front Idler Minimum	Rear Idler Nominal	Rear Idler Minimum
D8L	29 mm (1.142 in)	17 mm (.670 in)	34 mm (1.339 in)	10 mm (.394 in)
D8N, D8R	15 mm (.591 in)	10 mm (.394 in)	16 mm (.630 in)	10 mm (.394 in)
D9L	23 mm (.906 in)	11 mm (.433 in)	27 mm (1.063 in)	11 mm (.433 in)
D9N, D9R	24 mm (.945 in)	11 mm (.433 in)	21 mm (.827 in)	11 mm (.433 in)
D10	25 mm (.984 in)	14 mm (.551 in)	32 mm (1.260 in)	12 mm (.472 in)
D10N, D10R	26 mm (1.024 in)	14 mm (.551 in)	23 mm (.906 in)	12 mm (.472 in)
D11N, D10R	32 mm (1.260 in)	14 mm (.551 in)	23 mm (.906 in)	12 mm (.472 in)

2. To check front idler height, carefully move the machine in REVERSE until a track shoe grouser is directly below the center of the idler shaft. See Illustration 2.

3. Measure the distance (dimension X), between the bottom of the track shoe grouser in full contact with the surface and the bottom of the track shoe grouser directly below the idler shaft.

4. Repeat the procedure of aligning the track shoe grouser directly below the center of the idler shaft on the rear idler by carefully moving the machine forward. Measure dimension X for the rear idler.

5. Idler height varies from model to model and between front and rear idlers. Compare dimension X with the recommended nominal and minimum values for the front and rear idlers that correspond to your model as shown in Chart A.

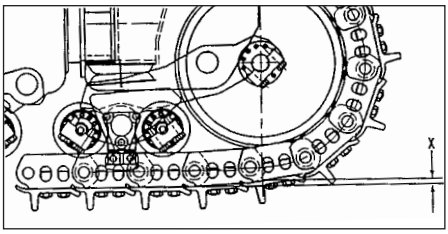


Illustration 3. Measurement points on a soft surface.

Note: In the event that a suitable hard surface is not available for checking idler height, a less accurate method may be used. See steps 6 and 7 below.

6. Carefully move the machine in REVERSE until a track shoe grouser is directly below the center of the idler shaft.

7. Stretch a length of string along the top edge of the track shoes. Dimension X is measured from the string to the point where the center line of the idler shaft intersects the top of the track shoe which is directly below it. See Illustration 3 for the location of dimension X.

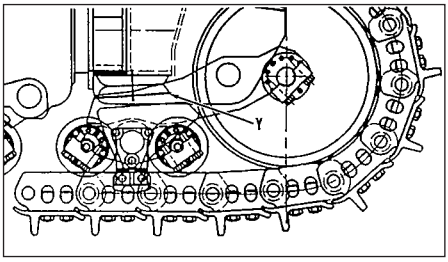


Illustration 4. Add plates at point Y.

Chart B

Model	Plate Part No.	Plate Thickness
D8L	9P5543	5 mm (.196 in)
D8N, D8R	7T4699	5 mm (.196 in)
D9N, D9R	7T5422	5 mm (.196 in)
D9L, D10N, D10R	9P2704	5 mm (.196 in)
D10, D11N, D11R	8P8884	5 mm (.196 in)

⚠ WARNING

Prior to adding plates under the bogie pads, raise the machine until the bogies are hanging free. Carefully support the machine. See the disassembly and assembly module in your machine's Service Manual for the correct procedure.

8. If dimension X is less than the minimum shown in Chart A, plates should be added between the lower bogie pad and the top of the major bogie assemblies at point Y. The appropriate plates and their part number are listed in Chart B. See Illustration 4 for the correct location to add plates.

The addition of one plate installed under a front or rear bogie pad increases idler height by approximately 7.50 mm (.295 in). In order to maintain uniform roller loading, equal number of plates must be installed under the intermediate bogie pads. Take care not to install more plates than are necessary to achieve the proper idler height dimension. Excessive idler height results in poor dozer control, particularly while performing finish dozing operations.

Non-Controllable Variables

There are a number of variables that affect rates and patterns of wear which cannot be controlled. These should be understood so you can explain their effects.

Non-controllable variables include soil and underfoot conditions (abrasion, impact, packing, etc.), application conditions (what the machine is doing) and terrain conditions.

Soil & Underfoot Conditions

Generally, soil and underfoot conditions cannot be controlled. They include the abrading, impacting, packing and even corrosive and temperature effects of the immediate environment.

Abrasiveness

Abrasiveness of underfoot conditions is the most difficult to accurately measure except by its effect. We use these descriptions to identify relative abrasiveness in terms of high, moderate and low:

Abrasiveness Ratings Descriptions

High — Saturated wet soils containing a majority of hard, angular or sharp sand particles.

Moderate — Slightly or intermittently damp soils containing low proportion of hard, angular or sharp particles.

Low — Dry soils or rock containing a very low proportion of hard, angular sharp sand or rock chip particles.

The amount of moisture plays a big role in defining abrasiveness. For example, *dry*, pure quartz sand may be only 1/10 as abrasive as saturated wet, pure quartz sand slurry and only 1/2 as abrasive as it is in a damp condition. This is because moisture affects the rate that particles are carried to and stuck to the metal surface being worn. Some abrasive combinations tend to attack the bushing, others the grousers and still others the links and rollers. These differences are difficult to quantify except by actual experience, but you should be aware of the possibility.

Usually, the link is the best component to use for comparing overall relative abrasive effects because it is least subjected to other variables at the same time. This is why we use the link as the “base” or “barometer” component when comparing wear lives to the service limit of different components in different abrasive conditions.

Impact

Impact is not affected by other variables such as moisture or hardness of the particles that make up the soil. It can be defined as high, moderate or low. Impact is determined by weight of the machine and speed is defined under APPLICATION CONDITIONS later in this subsection.

Impact Ratings Description

High — Non-penetratable hard surfaces with constant exposure to 6" (15 cm) or higher “bumps.”

Moderate — Partially penetratable surfaces with constant exposure to smaller bumps.

Low — Completely penetratable surfaces (which provide full shoe plate support) with low exposure to any height “bumps”.

The most measurable effect of impact is on structural problems such as bending, cracking, breaking, chipping, spalling, roll-over and hardware and pin and bushing retention. However, the degree of impact when combined with abrasiveness may affect component wear rates and wear life by a factor of two or more. For example, a D6 dozing at a given speed on completely compacted or frozen sandy soil with a deeply furrowed surface (high impact) may get only one-half the wear life on links as it would if the same *soil* were loose, soft and smooth (low impact).

Generally, wear life of larger machines are less affected by variations in impact than smaller machines.

UNDERFOOT CONDITIONS

Wide shoes accentuate the effects of impact conditions. Machines with single grouser shoes are more susceptible to higher impact effects than those with lower profile or multi-grouser shoes.

Packing

Packing describes any condition where underfoot material sticks to or packs between moving undercarriage components. It has two major effects. First, it can prevent mating parts from properly engaging each other causing interference, high loads and increased wear rates. The best examples of this effect is sprocket teeth packing, or packing between shoe and bushings, causing the teeth to engage the bushings under interference.

The second major effect of packing is it binds abrasive particles to moving components thus increasing the wear rate. The best example of this is a sand-clay mixture packed around idlers, carrier and track rollers causing constant abrasion when these components turn. The result is similar to a grinding or polishing wheel. Parts subjected to this effect are usually polished smooth.

Severe cases of packing will prevent the rollers, particularly carrier rollers, from turning. Then links must slide across roller treads causing flat spots which are easily recognizable.

Packing materials vary widely and extend far beyond clay and mud that are normally associated with the above effects. The following list of materials can result in one or both of the major effects listed above. Obviously, the moisture content of most of these materials helps determine its stickiness and its compactability. Many underfoot conditions are composed of various combinations of these materials and the effect may be cumulative. Packing materials fall into two categories; (A) those that can usually be extruded (squeezed out) from between the parts when *wet* and (B) those which cannot be extruded with the pressures and opening sizes normally available in track type machines.

Packing Materials

A Extrudable (when wet)

Sanitary Landfill (garbage)
Silt soils
Clay soils
Sandy soils
Snow and ice
Metallic ores (taconite)
Non-metallic ores (gypsum)

B Non-extrudable

Sanitary Landfill (garbage)
Branches, twigs and brush
Stones, rocks and gravel
Demolition debris
Sod-like materials

Generally, packing effects cannot be controlled except by constant cleaning or removal.

The most common modification to undercarriage components or use of option attachments involves providing Trapezoidal openings for the packing type material to extrude (squeeze) or fall out, thus relieving the pressure. These modifications or attachments should only be used in the presence of extrudable type materials. (List A above)

1. Trapezoidal Openings in shoes. Caterpillar recommends that track shoes with trapezoidal openings be used in the presence of extrudable type material (see list A above). Track Shoes with trapezoidal openings are available for most models from Caterpillar. The procedure for dealers or users to cut trapezoidal openings in shoes is described in Information release memo *UC89-17* dated *Oct. 4, 1989.*
2. Roller guards should not be used in packing type materials except when rocks could enter between the rollers and cause crushing damage. Roller guards prevent most materials from extruding or falling out and cause more damage than they prevent.

3. Mud and snow sprockets and segments should only be used in the constant presence of soft extrudable packing materials. In any other material they will result in much accelerated external bushing wear due to reduced contact area in the sprocket root where the slots are located. This is particularly true of Sealed and Lubricated Track because the bushing spends a greater period of time exposed to the root area of the sprocket tooth.

Other Environment Variables

There are other conditions that may or may not be associated with the soil and underfoot conditions.

Moisture

The effects of moisture as contributing to abrasiveness and packing have been explained in the previous section. Moisture or water in itself can corrode (rust) steel resulting in the loss of wear material.

Moderate amounts of moisture increase the corrosive effects of many other chemicals and compounds; both those found in nature and man made, such as sulfur, salt and fertilizers.

Water in liberal amounts has the beneficial effect of washing abrasive particles away, softening many packing materials to ease their extrusion and finally, diluting some chemical corrosion agents to lessen their effect.

Chemicals

Corrosive chemicals found in nature plus man-made compounds may have the effect of either eating away at wear material or increase the rate of certain types of cracks. Ironically, most hardened steels are more susceptible to corrosion and corrosion cracking than softer, unhardened steels. Highly acidic and saline soils can contribute to these effects.

Organic chemicals such as petroleum products can attach rubber load rings and toric rings in rollers and idlers causing these to swell and fail.

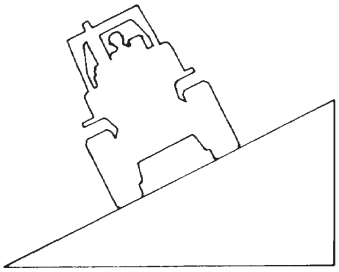
Temperature

The effect of higher temperatures is to increase the rate of chemical action. Extremely high temperatures like those found in slag removal in steel mills can damage seals and soften hardened steels found in undercarriage parts reducing their strength and wear resistance.

The effect of temperatures below 32°F (0°C) is to freeze soils and water, creating all previously discussed packing effects from normally non-packing materials. Very low temperatures at -40°F (-40°C) can result in increased steel brittleness, (loss of cracking resistance) loss of rubber type seal resiliency and reduction in the lubricant flow necessary in Sealed and Lubricated Track and Lifetime Lubricated roller and idlers.

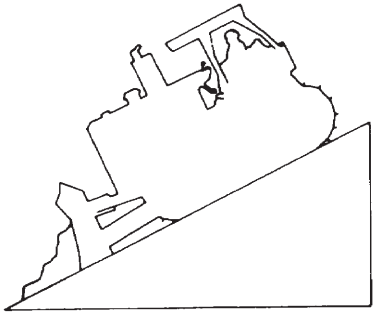
Terrain Conditions

All application effects are influenced by the terrain on which the work is being done. The most common effects are described here regardless of the degree of impact, or the operating condition.



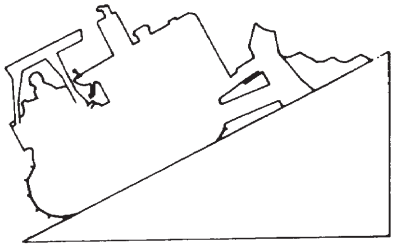
Working on Sidehill

Shifts weight balance to the downhill side of the machine; this increases the wear rate on the components on the downhill side of the machine. This increases wear on rail sides, roller and idler flanges, bushing ends, and grouser ends.



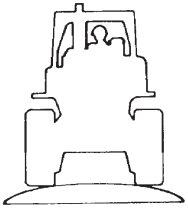
Working Downhill

Shifts weight balance forward causing relatively higher wear rate on front track and carrier rollers. Due to design of track, working in forward minimizes rate of bushing and sprocket wear.



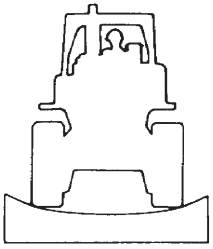
Working Uphill

Shifts weight balance to the rear causing relatively higher wear on rear rollers and increasing forward drive side sprocket and bushing wear.



Working on a Crown

The inner components carry heavier loads. This results in increased wear on inner links, rollers, idler treads and grouser ends. In extreme cases, the inner bushing-to-sprocket contact surfaces also may experience greater wear.



Working in a Depression

Causes loads to be carried by outer (or outboard) components, increasing wear rates on outer links, roller and idler treads, grouser ends and the outer bushing-sprocket contact surfaces in extreme cases.

Application Conditions

The word "applications," often misused to describe underfoot condition, should be thought of as describing what the machine is doing. Below is a brief description of the possible wear and structural effect of each of several common "applications," but without regard to what underfoot conditions the machine is in.

Dozing and Push Loading

Shifts machine weight toward the front causing faster wear rate on front rollers and idlers than on rear rollers.

Ripping and Drawbar

Shifts the weight balance towards the rear of the machine with the effect of relatively increasing wear rate on rear rollers than front, and the sprocket and bushing in extreme cases.

Loading

Shifts weight from front to rear of machine as it changes from digging to carrying respectively. The greatest effect is increased wear on front and rear rollers as compared with center rollers.

Excavating with Hydraulic Excavators

Shifts weight balance from left to right of machine with the possible effect of wearing outer link treads, roller treads and flanges at a greater rate than inner flanges and treads.

Partially Controllable Variables

Some of the variables affecting undercarriage life can only be partially controlled. To some extent they may be influenced by uncontrollable variables but they can be offset by the operator. We call these operating conditions.

The word "operating," often misused to describe the underfoot or application conditions, should be thought of in describing what the machine operator is doing. These operator induced variables may or may not be a function of the underfoot conditions, the type of machine or even the application and terrain.

Speed

Wear rate is a direct function of speed because wear is a function of distance traveled and not just the time worked.

As speed increases, wear rates increase proportionally on all components. Wear rates and impact (structural) effects also increase proportionately with speed due to the increased material loads caused by the rate at which the parts contact each other. Link-roller, link-carrier roller, link-idler and bushing-sprocket wear rates increase as a result of the increased impact between these parts. Shoe and grouser wear rates increase due to the increased impact with the ground. High speed reverse has a particular effect on the bushing-sprocket contact wear rates due to the design of the track. Non-productive speed should be discouraged. Non-productive forward-reverse direction changes should be avoided.

Turning

Wear rates increase with increased turning. Turning increases interference loads between links and rollers and links and idlers, particularly on rail sides and roller and idler flanges. Turning in reverse can accelerate bushing sprocket wear as compared to turning in forward. The effects of always turning in one direction can be balanced by changing tracks from one side of the machine to the other half way through their life.

Slipping Tracks

Wear rates on all components increase when tracks are slipped. Track shoe grousers particularly are affected when tracks are slipped due to the increased sliding between the grouser and the ground. The increased loads that slipping tracks cause is accelerated when the ground is resistive to shear.

PARTIALLY CONTROLLABLE VARIABLES

Preferred-Side Dozing or Other Work

Wear rates on the loaded side of a dozer will increase on all components if only one side of the machine is used. Wear rates increase as more power is applied to the loaded side. More slippage and packing will occur on the loaded side; this also increases wear.

Putting more loads and packing onto one side of the machine may result in up to twice the wear rate on that side. This wear rate effect may be balanced by switching all components from one side to the other. This should be done when the link and/or rollers reach 1/2 their potential wear life on the most worn side.

Components

Each component has individual measurement techniques, wear limits, wear charts, rebuildability criteria, wear patterns and structural problems. The general information for each component is covered in the following section. Specific additions and exceptions are covered in the individual product sections.

Percent Worn Charts

The percent worn charts section of this handbook translate direct component measurements into percent worn for Caterpillar parts only.

Remember — all percent worn figures shown are percent of time used and not percent of material used. This allows them to be used to directly calculate or project total potential time (or life left) to the service limit. These charts consider the slower rate of wear when the hardened case is still there and the faster rate of wear that occurs when softer material is exposed. In some cases they also take into account different expected wear rates after the service limit. In most cases they are not "straight-line" relationships.

Charts are provided for high and low impact applications where applicable. Measurements corresponding to 100 percent worn (the service limit) are underlined.

In most cases, service limit projections made from less than 30 percent worn can not be considered accurate. However, such projections can be used to determine call back dates for remeasuring.

Percentages above 100 percent have been provided so projections to 120 percent worn can be calculated. Backward projections to service limit (100 percent) can also be made to determine when the service limit was reached. The extent of percentages shown beyond 100 percent has no particular significance.

Guidance for the selection of high, moderate or low impact and lesser or greater allowable wear charts is provided at the front of each section of wear charts.

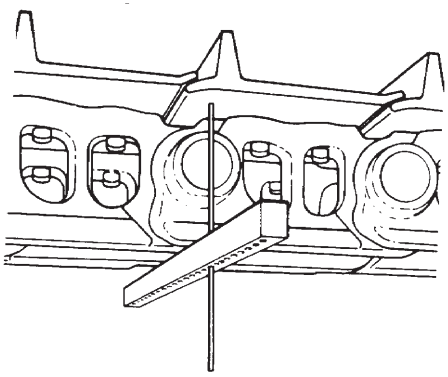
A separate discussion under each component sub-section (links, bushings, etc.) describes how the service limit was derived and the risk involved when the component is worn past that point.

NOTE: Competitive undercarriage inspection, wear life and maintenance/rebuild projection cannot be determined from information contained in the handbook because of a lack of information about design, expected wear rates and service limits even when some important dimensions are similar.

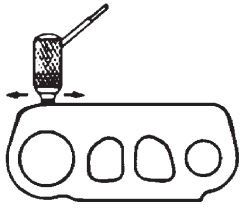
Link Rail Wear

Measurement Technique

Track links may be measured by the depth gauge or by the ultrasonic wear indicator.



The depth gauge measures link height from the rail surface to the track shoe. The correct location for track link measurement is outside of the links at the end of the track pin. Position the depth gauge as close to the end of the pin as possible, making sure links and shoe surface are clean. Ensure the gauge is flat against the link rails and perpendicular to the shoe surface. Measurement should be made to the closest 0.01" or 0.25 mm.



The ultrasonic wear indicator measures the distance from the rail surface to the bushing bore. Place the probe on the link above the centerline of the bushing and slide the probe along the tread surface to get the smallest reading.

Wear Limits

Link wear limits are determined by setting the allowable wear equal to some fraction of the clearance between the link and the roller. On some machines this clearance is between the link pin boss and the roller flange. On other machines the clearance is between the bushing and the inner flanges of a double flange roller.

On a 100 percent worn link matched together with a 100 percent worn roller, the roller flanges are in contact with either the link pin bosses or the bushing. As wear proceeds past 100 percent, wear on the link pin boss reduces pin retention, wear on the bushings may cause cracking, and wear on the roller flanges reduces track guiding and roller rebuildability.

If the link is worn to approximately 120 percent, structural damage may result in the form of cracking, breaking and pin and bushing loosening.

Wear Charts

Wear charts for links have a built in factor allowing for faster wear rate as the hardness of the steel decreases below the hardened case depth. This is true for all components where the allowable wear is greater than the hardened case depth.

Different wear charts are provided for different links, and for the same link running with different rollers, each of which is determined by part number within a given undercarriage or machine size.

Rebuildability

Track links can usually be successfully rebuilt with submerged and/or automatic welding to replace the worn away rail (top) surface if the link meets the following criteria:

1. Rail wear measured over the pin boss is between 70 percent and 100 percent.
2. Unevenness of rail height is not excessive.

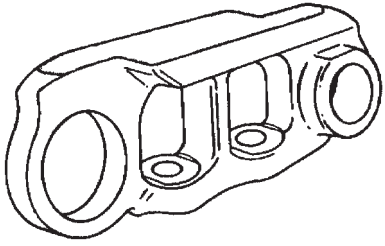
3. Rail side wear due to roller flange or guiding guards or inside rail gouging by the sprocket hasn't reduced rail width significantly.
4. Pin boss is not worn enough to cause reduced pin retention.
5. Counterbore depth and elongation wear (with Sealed Track) will not significantly affect resealing of the pins and bushings.
6. Face wear (area surrounding the link, bushing and counterbores) has not reduced the thickness of the rail in that area by more than 20 percent.
7. Rail spalling hasn't caused more than 30 percent of the rail surface to be removed.
8. Links are not cracked through in the rail, pin and bushing bores or shoe strap sections.
9. Bolt holes are not wallowed out or elongated to prevent adequate shoe retention.
10. Pin and bushing bores are not damaged (broached) as to prevent adequate pin and bushing retention.

With proper welding techniques and materials, the fully rebuilt (to 0 percent worn height) rail should provide about 80 percent of the original life to the service limit. This percentage may be reduced as impact level increases. By running the rebuilt rail to 120 percent it should provide about 100 percent of the original rail life to the service limit potential.

Sealed and Lubricated Track vs. Sealed Track — track link effects

Due to the expected absence of internal wear, counterbore depth and elongation wear and face wear should be eliminated. This increases successful rebuildability compared to the same link used with Sealed Track. Absence of internal wear and snakiness should also reduce the degree of rail side wear, uneven rail wear, inside rail gouging and guiding guard wear, and possibly increase original and rebuilt rail wear life. If snakiness is experienced with Sealed Track, the lack of snakiness in Sealed and Lubricated Track may extend link life by up to 20 percent.

Link Wear Patterns



Rail (Top) Wear

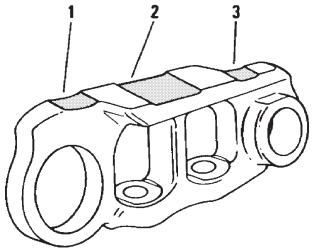
(Normal expected wear position)

CAUSES: Rolling and sliding contact with roller and idler treads.

ACCELERATORS: Horsepower, weight, speed, impact, abrasiveness, shoe width, tight track and snakiness.

EFFECT: Wear limit reached when roller flanges begin to contact top of pin boss.

REMEDIES: Eliminate or reduce controllable accelerators listed above and rebuild (weld) to desired rail height.



Uneven (Scalloping) Wear on Rail Top

CAUSES: No. 1 & 3: Faster wear rate due to reduced contact with rollers at narrower link overlap area (also see Face Wear on page 31).

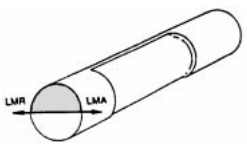
CAUSES: No. 2: Sliding wear due to reduced contact area with idler at center of link rail.

ACCELERATORS: Same as Rail (Top) Wear above, particularly tight track.

EFFECT: No. 1 & 3: Wear limit over pin boss reached prematurely.

No. 1, 2 & 3: Reduces rebuildability and causes vibration in extreme cases. Counterweighting machines will reduce wear. A 1/4" difference will cause a ride problem.

REMEDIES: Same as Rail Top Wear above. Sealed and Lubricated Track will have less wear in areas No. 1 & 3 due to no pitch extension. Better balance will reduce vibration and potential cracking in cab.

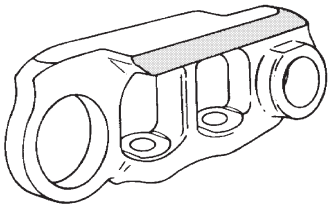


Pin Boss Side Wear

CAUSES: Sliding contact with guiding and/or roller guards plus abrasives (may be seen at either or both ends of pin — usually more severe on outboard side).

ACCELERATORS: Uneven terrain and side hill operation. Too-wide shoes, worn rolling component flange, misalignment and snaky track are main controllable variables.

REMEDIES: Eliminate or reduce controllable accelerator variables, particularly snaky track by turning pins and bushings.



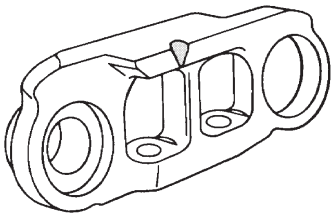
Rail Side Wear (inside and/or outside)

CAUSES: Rolling and sliding contact with roller and idler flanges.

ACCELERATED BY: Same as "Rail Top Wear" plus uneven terrain, turning, side hill operation, misalignment, too wide shoes and snakiness of unsealed or Sealed Track.

EFFECT: Reduces rail wear life to service limit and rebuildability.

REMEDIES: Reduce or eliminate controllable accelerators, particularly snaky track, tight track and too wide shoes.



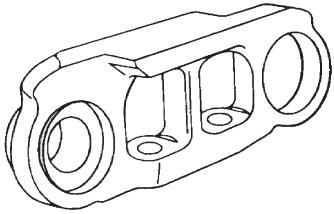
Rail Inside Gouged

CAUSES: Sprocket tooth tip interfering due to snaky track and/or misalignment of track or sprocket (see sprocket wear).

ACCELERATORS: Side hill or uneven terrain, turning, too wide shoes.

EFFECT: Reduced rebuildability of links and reusability of sprocket segments if severe.

REMEDIES: Correct controllable causes and accelerators.



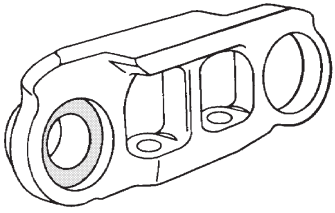
Elongation of Counterbore

CAUSES: Rotating contact with the bushing end in pitch extended Sealed Track (see Sealed Track bushing counterbore wear).

ACCELERATORS: None — a direct function of pitch extension.

EFFECT: Reduces re-sealability of counterbore even with new seals in Sealed Track. Link is less rebuildable.

REMEDIES: Turn pins and bushings in Sealed Track at service limit.



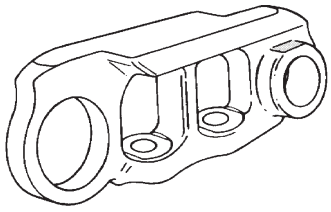
Depth Wear in Counterbore

CAUSES: Rotative contact between Sealed Track seals or bushing end with bottom of counterbore (See Sealed Track Bushing End Wear).

ACCELERATORS: Abrasiveness, side hill loads and turning, side thrust impact and too wide shoes.

EFFECT: Same as Counterbore Elongation wear.

REMEDIES: Reduce or eliminate controllable accelerators and install new seals at pin and bushing turn time.



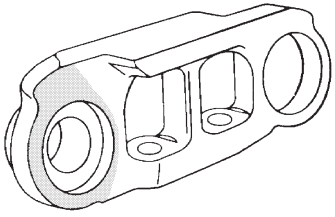
Pin Boss Tip Worn

CAUSES: Sliding and roller contact with roller flange tops (see roller flange wear).

ACCELERATORS: Nonuniform front to rear roller wear when link is not 100 percent worn.

EFFECT: Loss of pin retention and reduced rail rebuildability.

REMEDIES: Swap rollers to balance wear effect and rebuild rail, rollers as required.



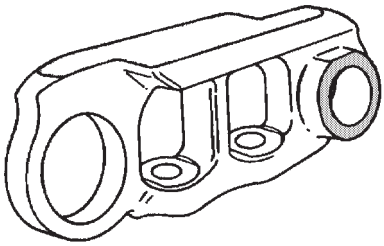
Face Wear

CAUSES: Rotative contact between overlapping link faces following Sealed Track link counterbore depth wear, seal wear and bushing end wear, all which allow end play.

ACCELERATORS: Same as “Depth Wear in Counterbore.”

EFFECT: Reduces wear life of original and/or rebuilt link and reduces rebuildability. (Also see Uneven Wear On Rail Top, position 1 & 3).

REMEDIES: Reduce or eliminate accelerators. Sealed and Lubricated Track will have very little face wear due to no counterbore or bushing end wear keeping link faces separated.



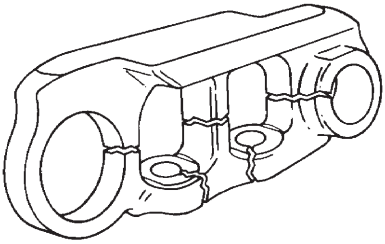
Pin Boss End - Guiding Guard Wear

CAUSES: Sliding contact between pin boss ends and guiding and roller guards.

ACCELERATORS: Same as rail side wear.

EFFECT: Reduces pin retention and therefore limit rebuildability.

REMEDIES: Reduce or eliminate all controllable accelerators related to loads conveyed from shoe to link, keep bolts properly torqued and use narrowest shoe possible.



Link Cracking

CAUSES: Repeated twisting of link.

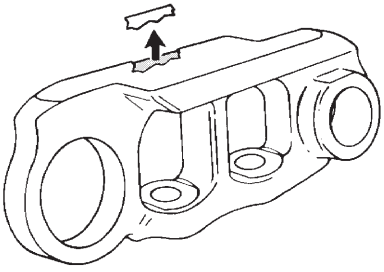
ACCELERATORS: Same as "Rail Spalling" plus degree of rail material worn away. The biggest accelerator is shoes that are too wide.

EFFECT: Shorten link assembly life, track separation if cracked through and prevents rebuilding.

REMEDIES: Reduce or eliminate controllable accelerators particularly too wide shoes and tight track.

Link Structural Problems

Rail Spalling

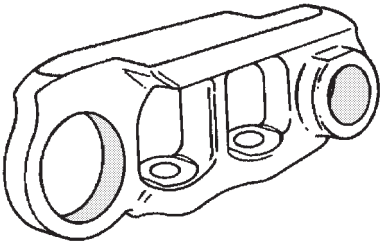


CAUSES: Repeated high impact contact with roller treads and/or flanges.

ACCELERATORS: Impact, Machine Speed, Horsepower, Weight: too wide shoes, and tight track.

EFFECT: May reduce wear life rebuildability if over 30 percent of rail surface is affected otherwise only a cosmetic effect.

REMEDIES: Reduce or eliminate controllable Accelerators, particularly too wide shoes that add weight and leverage loads on uneven terrain.



Pin & Bushing Bore Enlargement

CAUSES: Bore material broached out during assembly and/or disassembly; plus material worn out during sliding movement of flexing pins and bushings.

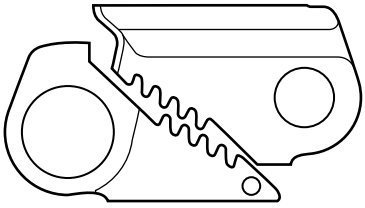
ACCELERATORS: Same as "Rail Spalling" plus material worn off of pin bosses. The biggest accelerator is shoes that are too wide.

REMEDIES: (1) Improved track press alignment and tooling to prevent broaching during assembly and disassembly. (2) Reduce or eliminate controllable accelerators especially too-wide shoes and tight track.

NOTE: Links in Sealed and Lubricated Track should generally experience reduced pin and bushing bore enlargement and subsequent retention loss. This is due to the absence of internal wear, which in Sealed Track increases flexing of pins and bushings in their bores.

There should be less flexing of Sealed and Lubricated pins and bushings because the bushing is held more rigidly between the link counterbores over its entire life and the pin is held more rigidly within the bushing during its life.

Split Master Link



The two piece split master link allows each joint to be factory or dealer sealed in the shop.

Measuring and interpreting master link rail and other wear patterns is the same for the split master link as for regular link. Split master link rebuildability is determined by the same criteria plus the condition of the connecting teeth and the bolt hole threads.

Split master link structural problems are usually related to improper assembly and bolt torquing. Split master links are even more susceptible to detrimental effects of wide shoes.

Assembling and Torquing Procedure

The importance of proper assembly sequence and torquing cannot be overstressed. Follow these steps for both new and used split master links.

1. Before installing the track, the point of connection for the master link must be clean and not have damage. Remove all paint from points of connection.
2. Put 2P2506 Thread Lubricant or 5P3931 Antiseize Compound on threads of master bolts.
3. Put master links together and check alignment of holes for master bolts. Install one master bolt in each link. The bolts must turn easily in the threads, when turned by hand.
4. Remove the bolts. Install the master track shoe and all four master bolts. Turn the master bolts by hand.
5. Tighten the master bolts to initial torque, plus 1/2 or 1/3 turn. The actual Torque specifications can be found in the “Management” section of each machine type.

Former Link Service Limits

These former links do not appear on the wear chart pages. But, by using this procedure and chart, you can calculate the percent worn measurement.

STEP 1

New Link Height - Worn Link Height = Amount Worn

STEP 2

$$\frac{\text{Amount Worn}}{\text{Allowable Wear}} \times 100 = \text{Percent Worn}$$

Model	Track Pitch	Link Part Number	New Link Height	Allowable Wear	Service
D2	6.12" (155.4 mm)	5B3129 & 30	3.00" (76.2 mm)	.25" (6.4 mm)	2.75" (69.9 mm)
D3	6.125" 155.3 mm	6S3143 & 44	3.18" (81 mm)	.26" (7 mm)	2.92" (74 mm)
D4	6.75" (171.5 mm)	5K9423 & 24	3.66" (93.0 mm)	.25" (6.4 mm)	3.41" (86.6 mm)
	6.75" (171.5 mm)	5K9457 & 58	3.66" (93.0 mm)	.25" (6.4 mm)	3.41" (86.6 mm)
	6.75" (171.5 mm)	4K6647 & 48	3.66" (93.0 mm)	.25" (6.4 mm)	3.41" (86.6 mm)
	6.75" (171.5 mm)	4K7039 & 40	3.66" (93.0 mm)	.25" (6.4 mm)	3.41" (86.6 mm)
	6.75" (171.5 mm)	6B4645 & 46	3.53" (87.7 mm)	.25" (6.4 mm)	3.28" (83.3 mm)
D5	6.91" (175.5 mm)	5S683 & 84	4.06" (103.1 mm)	.37" (9.4 mm)	3.69" (93.7 mm)
D6	8.00" (203.2 mm)	9M5627 & 28	4.50" (114.3 mm)	.30" (7.6 mm)	4.20" (106.7 mm)
	6.75" (171.5 mm)	2S5959 & 60	4.00" (101.5 mm)	.34" (8.6 mm)	3.66" (93.0 mm)
	6.75" (171.5 mm)	7M8863 & 64	3.91" (99.3 mm)	.30" (7.6 mm)	3.61" (91.7 mm)
	6.75" (171.5 mm)	1M1431 & 32	3.91" (99.3 mm)	.30" (7.6 mm)	3.61" (91.7 mm)
	6.75" (171.5 mm)	5H8679 & 80	3.78" (96.0 mm)	.30" (7.6 mm)	3.48" (88.4 mm)
D7	8.50" (215.9 mm)	2S1749 & 50	4.75" (120.7 mm)	.35" (8.9 mm)	4.40" (111.8 mm)
	8.50" (215.9 mm)	1M9001 & 02	4.75" (120.7 mm)	.35" (8.9 mm)	4.40" (111.8 mm)
	8.00" (203.2 mm)	1S6433 & 34	4.63" (117.6 mm)	.38" (9.7 mm)	4.25" (108.0 mm)
	8.00" (203.2 mm)	7M8085 & 86	4.50" (114.3 mm)	.38" (9.7 mm)	4.12" (104.6 mm)

Model	Track Pitch	Link Part Number	New Link Height	Allowable Wear	Service
D7	8.00" (203.2 mm)	1S1863 & 64 1S6433 & 34	4.62" (117.5 mm)	.38" (9.7 mm)	4.24" (107.5 mm)
	8.00" (203.2 mm)	7M6763 & 64	4.50" (114.3 mm)	.38" (9.7 mm)	4.12" (104.6 mm)
	8.00" (203.2 mm)	2M7265 & 66	4.50" (114.3 mm)	.38" (9.7 mm)	4.12" (104.6 mm)
	8.00" (203.2 mm)	2H959 & 60	4.50" (114.3 mm)	.38" (9.7 mm)	4.12" (104.6 mm)
D8	9.00" (288.6 mm)	1S4033 & 34	5.25" (133.3 mm)	.42" (10.7 mm)	4.83" (122.7 mm)
	9.00" (288.6 mm)	2M8813 & 14	5.12" (130.0 mm)	.38" (9.7 mm)	4.74" (120.4 mm)
	9.00" (288.6 mm)	1M1447 & 48	5.12" (130.0 mm)	.37" (9.4 mm)	4.75" (120.7 mm)
	9.00" (288.6 mm)	9M3843 & 44	5.12" (130.0 mm)	.37" (9.7 mm)	4.75" (120.7 mm)
	8.00" (203.2 mm)	1S8839 & 40	4.97" (126.2 mm)	.38" (9.7 mm)	4.59" (116.6 mm)
	8.00" (203.2 mm)	7H3799 & 800	4.88" (124.0 mm)	.33" (8.4 mm)	4.55" (115.6 mm)
	8.00" (203.2 mm)	2H953 & 54	4.75" (120.7 mm)	.37" (9.4 mm)	4.38" (111.3 mm)
D9	10.25" (260.4 mm)	8M6901 & 02	5.56" (141.2 mm)	.37" (9.4 mm)	5.19" (131.8 mm)
	10.25" (260.4 mm)	2M5649 & 50	5.56" (141.2 mm)	.37" (9.4 mm)	5.19" (131.8 mm)
	9.00" (228.6 mm)	2M1623 & 24	5.25" (133.4 mm)	.35" (8.9 mm)	4.90" (124.5 mm)
	9.00" (228.6 mm)	2F5879 & 80	5.00" (127.0 mm)	.38" (9.7 mm)	4.62" (117.3 mm)

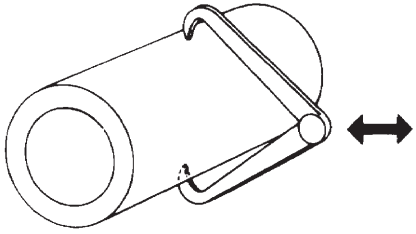
Sealed and Lubricated Track Bushing Wear

Measurement Technique

The track bushing is the most important component in the undercarriage to measure and interpret accurately.

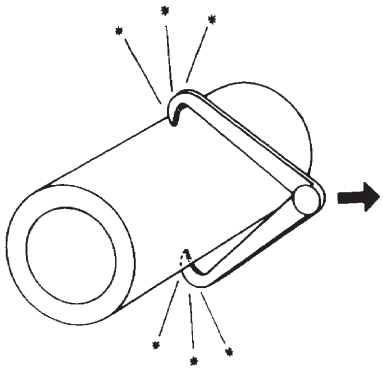
To do this, three measurement methods are available, each using tools provided in the CTS tool kit.

You should refer to individual model family sections for specific recommendation on which method to use because the second method described here, using depth gauge will record vertical position wear only.

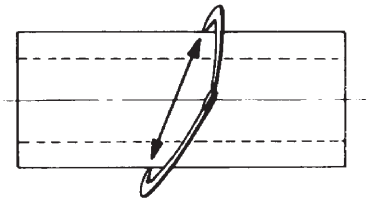


1. Caliper Method

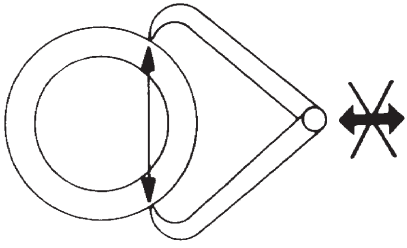
This method gives a direct reading of bushing diameter. With careful cleaning and proper technique it can yield the most accuracy, but is also the most susceptible to error if not properly measured. The most common errors using the caliper method are:



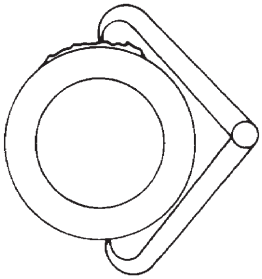
(A) Calipers Squeezed Too Tight — Calipers that are over tightened can be spread like a spring and will give too small of a reading.



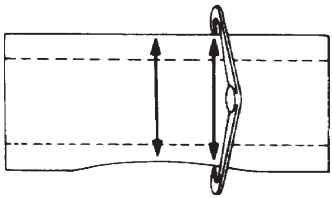
(B) Calipers at Wrong Angle to Bushing Axis — Calipers that are set at an angle to the bushing will give an oversize measurement.



(C) Calipers Not Slid Back and Forth Across Position to be Measured — Calipers that are not passed back and forth over the maximum diameter of the bushing position being measured will give an undersize reading.



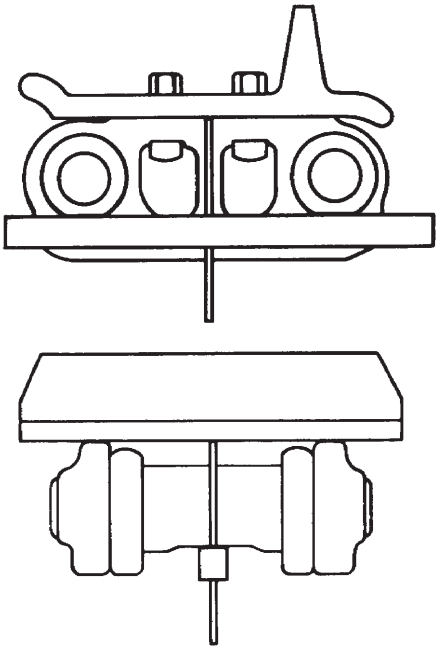
(D) Bushing not Cleaned Well Before Measurement — If the bushing surface is not cleaned the measurement taken will be oversized.



(E) Calipers Not Placed at Most Worn Portion of Bushing — If the caliper is located inboard or outboard of the minimum diameter along its length in a given wear position the reading will be undersized.

PRACTICE!

The best way to practice measuring bushing wear is with bushings removed from the track. You should be able to repeat the measurements made by yourself and others with an accuracy of ±.01" (± 0.25 mm).



2. Depth Gauge Method

The method for measuring the vertical position of bushings uses the same depth gauge used for links. This method is more free of the measurement technique errors encountered with the caliper, but may be subject to slight track link dimensional differences and track shoe bending. It is also subject to the same technique errors as link height measurements. These include: (a) parts not cleaned, (b) depth gauge base not positioned correctly with respect to bushing length and (c) depth gauge probe not forming a perpendicular or 90° angle with the shoe.

Disadvantages of the depth gauge method

(A) Cannot determine reverse or forward drive side wear, which is critical in most applications.

Advantages of the Depth Gauge Method

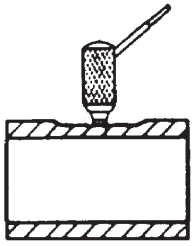
(A) Absolutely insures vertical position is being measured (unless measured at a point where track is bent).

(B) Averages diameter measurement of two adjacent bushings for greater accuracy.

(C) Backside of bushing can be measured after bushing turn (the importance of this will be explained in the next discussion).

3. Ultrasonic Wear Indicator Method

This method is the most accurate because it directly measures the most critical dimension, bushing wall thickness. It also can be used to accurately measure the backside of bushings after a bushing turn.



Measure the bushing wall thickness by slowly sliding the probe around the reverse, vertical, and forward drive sides. Use the smallest dimension to determine percent worn.

Sealed and Lubricated Track Bushing Wear

Measurement Positions

Refer to individual product sections for specific guidelines.

Wear Limits — Greater and Lesser

Wear limits for Sealed and Lubricated Track bushings are determined by remaining crack resistance strength. Two percent worn columns titled “lesser allowable wear” and “greater allowable wear” are provided in bushing wear charts. At 100 percent worn, the lesser allowable wear column provides more bushing wall thickness than the greater allowable wear column. Note, for example, in the wear charts under the ultrasonic measurements, the bushing wall is always thicker, and thus more crack resistant, on the lesser allowable wear column than on the greater.

The selection of the optimum allowable wear column will maximize the link and bushing life while preventing bushing cracking. The “optimum” percent worn column depends on the relative bushing crack resistance required in your situation. The amount of required crack resistance depends on several factors including sprocket position (high or low), underfoot conditions, bushing projected life, and application. Refer to the management section in front of each product section for the criteria to use in selecting which allowable wear chart to use.

Wear Charts

The expected wear rate through the allowable wear limit is determined from several tests. These rates are built into the wear charts so that accurate projection to 100 percent worn and 120 percent can be made assuming uniform abrasive, impact and other conditions will continue. The built-in bushing wear rate after the hardened case has been completely worn through is approximately 2 times the rate expected in the hardened case depth.

Like with most other components, projections made to the service points based on less than 30 percent worn will not be accurate. The wear charts provide the percent worn equivalent for those measurements less than 30 percent only for projecting re-visit or re-measurement points. The bushing is the most likely component to use for this re-measurement projection.

Sealed and Lubricated Track vs Sealed Track Effects

Due to expected absence of internal wear the Sealed and Lubricated Track bushing should have its most worn position on or very near the vertical position. Sealed Track is expected to have either forward or reverse position as the most critical position. The Sealed and Lubricated Track bushing also has fewer wear positions to analyze.

The expected life of the Sealed and Lubricated Track bushing is approximately 50 percent more than the Sealed Track bushing when compared to either high or low impact service limits.

These increases depend on the following:

1. Degree of internal wear that contributed to the external wear on the Sealed Track bushing.
2. Properly adjusted track.
3. Absence of very severe packing.
4. Similar working conditions.

Sealed and Lubricated Track Bushing Turnability

The Sealed and Lubricated Track bushing should be turned based on the guidelines in following sections entirely devoted to specific model families.

The bushing may be expected to provide life after turn wear, equal to or exceeding the wear life potential of the first or front side prior to the turn.

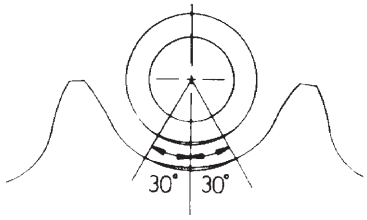
Sealed and Lubricated Track bushings can be successfully turned wet if there are no cracks through the bushing wall at turn time and seal wear life guidelines have not, or will not, be exceeded.

Sealed and Lubricated Track bushings may be successfully turned dry, (with or without internal wear at turn time) as long as there are no cracks through the bushing wall and internal wear does not exceed Sealed Track service limits.

Life after dry turn cannot be expressed as a percent of wet life before turn. It will most closely approximate life after turn of Sealed Track in hours, not percent.

How to Interpret Sealed & Lubricated Track Bushing Wear Patterns

These patterns are found on wet joints. For dimensions on wear patterns of dry joints see Sealed Track bushings.



Vertical Position

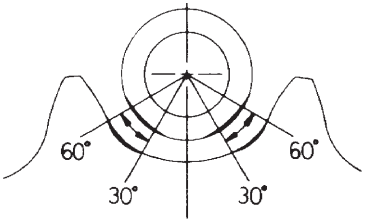
(0° to 30° from vertical is normal expected wear pattern)

CAUSES: Sliding contact with root of sprocket tooth during forward to reverse direction changes and due to pitch mismatch from minor packing and advanced other component wear.

ACCELERATORS: Horsepower, weight and speed; impact, abrasiveness, tight track and packing loads, worn rear rollers, wide shoes and reverse loads.

EFFECT: Cracking will occur when respective high or low impact wear limit (100 percent worn) is exceeded. Bushing wall will break through at destruction point.

REMEDIES: Eliminate or reduce controllable accelerator variables listed above and turn bushing on or before service limit.



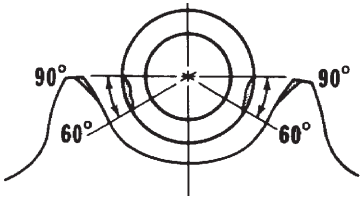
Reverse and/or Forward Drive Side (30° to 60° from vertical)

CAUSES: Same as VERTICAL POSITION except degree of packing is moderately severe.

ACCELERATORS: Same as VERTICAL POSITION but particularly tight track.

EFFECT: VERTICAL POSITION should overtake FDS or RDS as most worn position in later hours if track is properly adjusted and new segments are not installed prematurely.

REMEDIES: Eliminate controllable accelerator variables, particularly tight track. Bushing should be turned at or before service limit.



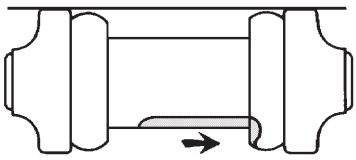
Reverse and/or Forward Drive Side Pocket Wear (60° to 90° from vertical)

CAUSES: (1) Same as VERTICAL and FDS/RDS except packing is very severe. (2) Track is too loose causing "backjamming" as reverse motion at bottom of sprocket on RDS only.

ACCELERATORS: (1) Same as "Vertical Position" and FDS/RDS (2) Same as "Vertical Position" and FDS/RDS except track tension, which needs to be increased. Uphill reverse loading of machine with too loose track is biggest accelerator.

EFFECT: (1) Vertical position should overtake either pocket as most worn position in later hours if track is properly adjusted and new segments are not installed prematurely. (2) Track may jump on sprocket if sprocket tooth tip height is worn excessively and track remained too loose.

REMEDIES: (1) Eliminate or reduce controllable accelerator variables. Turn bushing before this position reaches 120 percent regardless of the vertical position percent worn. Do not install new segments prematurely. (See discussion on use of sprocket reuse gauge.) (2) Adjust track as recommended in the individual product sections. Install new segments only if tip height is reduced significantly and there is no moderate to severe packing. Turn bushings before this position reaches 120 percent regardless of vertical position percent worn.



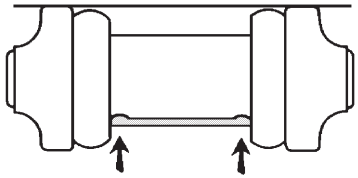
Off Center Wear

CAUSES: Misalignment of track and sprocket.

ACCELERATORS: (1) Various roller frame and sprocket alignment problems. (2) Worn rear guiding and/or final drive-guiding guards. (3) Side-hill operation.

EFFECT: Should not increase wear rate of bushing to wear limits, but may reduce bushing retention if accompanied by impact.

REMEDIES: (1) Correct alignment. (2) Replace guiding and final drive-guiding guards.



Roller Flange Wear

CAUSES: Track Rollers inner flanges and/or carrier roller flanges contacting bushing due to one or more of (a) links (b) carrier rollers or (c) track rollers being well past 100 percent worn.

ACCELERATORS: All load variables.

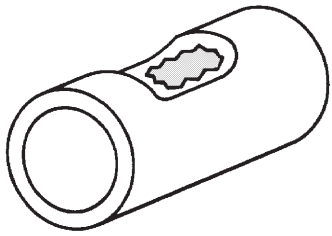
EFFECT: Causes bushing to be prematurely worn to limit.

REMEDIES: (1) Turn bushing on or before 100 percent worn in these positions. (2) Rebuild, swap or replace carrier rollers shells or roller shells.

NOTE: Refer to pages 66 through 69 for related discussion on sprocket wear patterns.

Sealed and Lubricated Track Bushings Structural Problems

The destruction limitation of track bushings is usually due to (1) wall cracking (breaking out in the severe case) or (2) loose bushing retention in the link. In the case of Sealed and Lubricated Track, either of these will result in a dry joint (lubricant loss), and in most cases impair parts reusability.



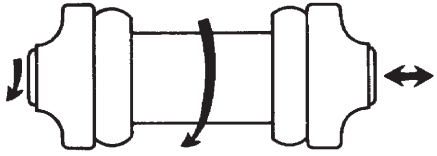
Bushing Cracks (Through the wall)

CAUSES: Exceeding wear limit for respective degree of impact or other criteria.

ACCELERATORS: Same as "Vertical Position" wear pattern.

EFFECT: (1) Loss of lubricant and resulting internal wear. (2) Makes bushing nonreusable in wet joint and may not be reusable at all if a piece is broken out of a dry joint.

REMEDIES: Re-evaluate decision to run past wear limit.



Bushing (and/or Pin) Loose in Link

CAUSES: Loss of press-fit into link bore.

ACCELERATORS: (1) Severe repeated impacts yield or crack link bore. (2) Link bore broached by improper press alignment at reassembly time.

EFFECT: (1) Loss of lubricant. (2) Pin, Bushing and Links not reusable in wet or dry joint.

REMEDIES: (1) Reduce or eliminate controllable variables which accelerate impact. (2) Control track press alignment capability.

Dry Sealed and Lubricated Track Joints

Premature dry joints in Caterpillar Sealed and Lubricated Track may be detected by any of the following methods:

1. Hand feeling for relatively warm bushings (or pin ends) after the machine has been operating.
2. Measuring or seeing pitch extended (internal wear) section of track. Use ultrasonic wear indicator to measure internal wear, if external wear is not visible.
3. Finding bushings significantly more worn than others in the same track.

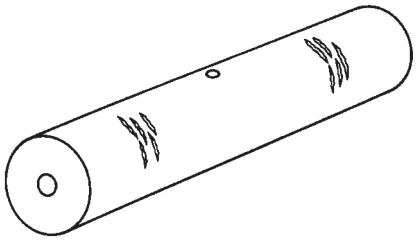
No effort should be made to re-lubricate to restore the joint to lubricated integrity with new parts in the field once dry enough to feel heat of friction or measure any internal wear. This work should be done on the track press at normal bushing maintenance. (See separate discussion on Elevated Sprocket Machines.)

Refer to the individual product sections for the single joint wear limits.

Wear and Structural Problems on Sealed and Lubricated Track Pins

Once dry, the wear pattern and rate on a Sealed and Lubricated Track pin (and bushing) should be approximately equal to the wear on a Sealed Track pin after turn. For a discussion of those wear patterns, see the section entitled "SEALED TRACK PINS & BUSHINGS."

There are three types of Sealed and Lubricated Track pin wear/structural problems which may occur in the presence of lubricant and are seen at disassembly or track separation time because conventional internal wear has not masked over them.



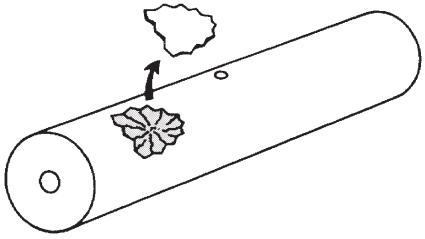
Pin Galling

CAUSES: Metal-to-metal contact (without lubrication) between the pin and bushing.

ACCELERATORS: Impact underfoot conditions, tight track, severe packing, too wide shoes and lack of lubrication.

EFFECT: Score marks on pin surface. Pin is reusable for wet or dry turn. This is only a cosmetic problem which does not result in track pitch extension like internal wear.

REMEDIES: Eliminate or reduce accelerators (especially tight track and too wide shoes).



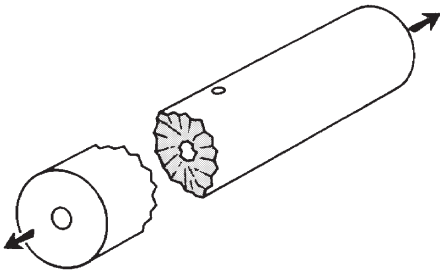
Pin Spalling

CAUSES: Flexing pin causes cracks to begin in oil reservoir hole and spreads out to surface at a slow fatigue rate.

ACCELERATORS: Same as "Pin Galling."

EFFECTS: Chip or flake of material may become loose from pin surface. Pin should not be reused for wet or dry turn.

REMEDIES: Same as "Pin Galling."



Pin Breakage

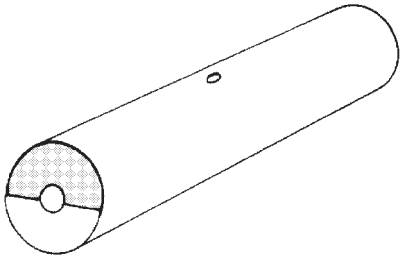
CAUSES: Crack starts on outer surface and spreads through entire pin at a fast rate (not nearly as common as with Sealed Track Pins).

ACCELERATORS: Impact loads combined with other loads caused by tight track, severe packing, too wide shoes and effects of worn rear rollers.

EFFECT: Track separation with little or no warning.

REMEDIES: Eliminate or reduce controllable accelerator variables, particularly too-wide shoes and entry of non-extrudable packing materials (rocks, etc.) into the sprocket bushing contact area.

The following problem is externally visible and while the cause is the same as with Sealed Track the effect is different and should be noted.



Pin End Wear

CAUSES: Sliding contact with track guiding and/or roller guards and/or rocks. (May be seen on either or both ends).

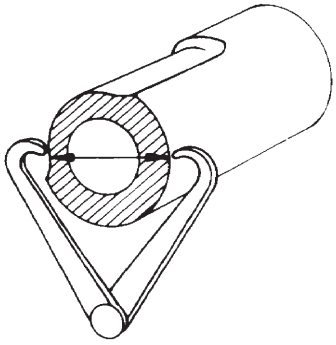
ACCELERATORS: Uneven terrain, and side-hill operation, too wide shoes, worn rolling component flange and misalignment are many controllable variables.

EFFECT: Reservoir hole may have to be de-burred and re-chamfered to remove the stopper and plug at maintenance time. Pin end may have to be re-chamfered before pressing into link to prevent bore broaching and subsequent lubricant loss after track press work.

REMEDIES: Eliminate or reduce controllable accelerators.

Sealed Track Bushings Wear

In early hours, the wear patterns on Sealed Track bushings should be very similar to those shown for Sealed and Lubricated Track. However, as varying amounts of internal wear takes place, the external wear pattern will change positions and accelerate, thus reducing its life due to greater interference loads with the sprocket and greater sliding motion against the sprocket.



Measurement Technique

The small caliper must be used to measure the wear at the minimum diameter of the bushing regardless of the position with respect to vertical and forward or reverse. This is because the Sealed Track bushing must have sufficient strength to resist cracking after the turn. This remaining strength is largely affected by wear before the turn. Also, the Sealed Track bushing receives most of its load in the later part of its wear life in the same position where the maximum wear is.

For a discussion on the possible errors which can be made using the caliper to measure bushings, see the section entitled "Sealed and Lubricated Track Bushing Wear Measurement Technique — Caliper Method."

Wear Limits

As mentioned above, wear limits for Sealed Track bushings are determined not only on the basis of remaining strength before and after the turn but also the external wear in late hours. Therefore, the allowable wear for Sealed Track external bushing is considerably less than for the Sealed and Lubricated Track bushing. The lesser allowable wear to the service point is 0.12" (3.1 mm). The greater allowable wear to the service point is 0.19" (4.8 mm). Wear limits should always be chosen on the basis of degree of expected impact, not on the basis of abrasiveness or desired life.

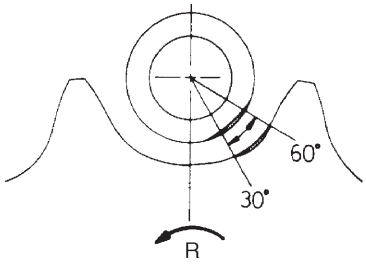
Wear charts for Sealed Track bushings have the built-in effect of (a) approximately twice as fast expected wear rate after the bushing case depth is worn through and (b) a faster yet expected wear rate (approximately three times) after a significant amount of internal wear would have further accelerated wear due to greater interference loads and relative motion between the bushing and the sprocket.

How to Interpret Wear on Sealed Track Bushings

Since the successful turnability and total life of Sealed Track pins and bushings is a function of both internal and external wear, interpretation of external bushing wear alone will not accurately determine if and when to turn. However, the type and degree of external bushing wear is a good indicator of abnormal problems. Also, knowledge of these patterns, the potential life to the service point of the critical position and the causes of each will help determine the applicability and advantages of Sealed and Lubricated Track in the same or similar conditions.

External Wear

Early hour wear pattern in Sealed Track bushings are similar to those for Sealed and Lubricated Track due to little or no internal wear. Shown here are typical wear patterns for late hour normal conditions where internal wear has begun to have a measurable pitch extension effect on the external pattern.



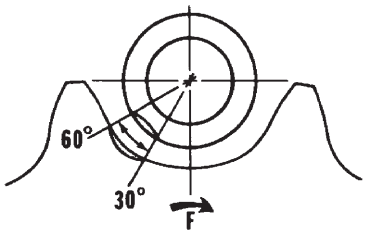
Reverse Drive Side Wear is Critical
(30° to 65° from vertical)

CAUSES: Rotation and sliding against sprocket under abnormal load (characteristic of track loaders).

ACCELERATORS: Horsepower, weight and speed; impact, abrasiveness, tight track and high reverse working loads.

EFFECT: Cracks will occur on reverse drive sides which becomes FDS after bushing turned and will reduce bushings total turned life.

REMEDIES: Reduce or eliminate controllable accelerator variables. Do not delay turn past service point (100 percent) if turn is required. Also, do not drive machine long distance in reverse.



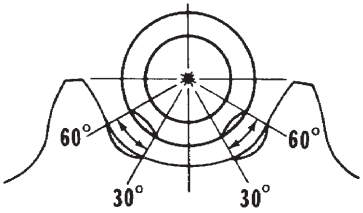
Forward Drive Side Wear is Critical
(30° to 60° from vertical)

CAUSES: Sliding motion of bushing against sprocket under abnormal forward loads (characteristic of push loading, drawbar, ripping and dozing application).

ACCELERATORS: Same as "RDS Critical" described above plus uneven terrain and worn rear rollers.

EFFECT: Bushing wall worn through at same position as internal wear is occurring and may result in need for turn before service point to avoid cracking if internal wear is critical. It will not have same effect on after-turn life of bushing as does critical RDS wear.

REMEDIES: Eliminate or reduce controllable accelerator variables such as tight track and worn rear rollers. Turn early if internal wear is critical to prevent bushing cracking.



Forward and Reverse Drive Sides Critical Compared to Vertical

(30° to 60° from vertical)

CAUSES: Sliding motion of bushing against sprocket under abnormal interference loads (characteristic of high internal wear in any application or condition).

ACCELERATORS: Same as "FDS and RDS Critical" described above especially track which has been over tightened to compensate for snakiness.

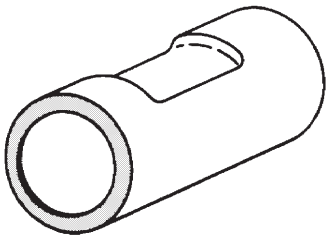
EFFECT: Can cause bushing cracking before or after turn if service point exceeded.

REMEDIES: Eliminate controllable accelerator variables, especially over-tight track and turn based on internal wear to service point. Convert to Sealed and Lubricated Track.

Off-Center Wear Pattern and Roller Flange Wear Pattern.

See "How to Interpret Sealed and Lubricated Track Bushing Wear Patterns."

Other Wear Patterns — Disassembled Track



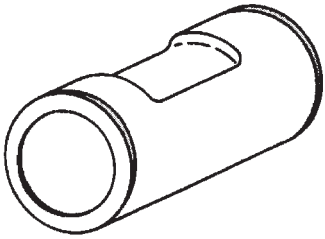
Bushing End Wear

CAUSES: Sliding contact between inside seal or abrasive and link counterbore bottom (usually directly related and a result of the degree of internal wear and snakiness and not a cause of snakiness).

ACCELERATORS: All machine horsepower, weight and speed related loads; all loads related to side thrust caused by terrain and maneuvering; abrasiveness. The only controllable accelerator variables are shoe width and condition of guiding components.

EFFECTS: Reduces re-sealability of joint at turn time. Reduces internal wear life and link rebuildability after turn.

REMEDIES: Turn pins and bushings at service limit. Keep guiding components in good condition.



Bushing — Link Counterbore Wear

CAUSES: Rotational sliding contact with link counterbore and abrasives (always a result of internal wear pitch extension).

ACCELERATORS: Horsepower, weight and speed of machine; abrasiveness, loss of sealing effect and snakiness, impact, terrain packing loads, and maneuvering. Track tension, too wide shoes, worn rear rollers and high speed non-productive work are main controllable variables.

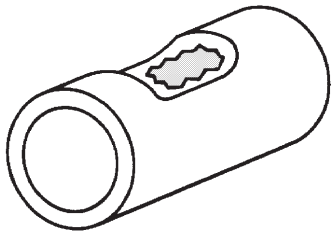
EFFECTS: Reduces re-sealability of joint. Reduces internal wear life and link rebuildability after turn.

REMEDIES: Same as "Internal Pin and Bushing Wear."

Structural Problems on Sealed Track Bushings

The destruction limitation of a Sealed Track joint is usually due to structural failure in the bushing caused by cracking or loosening after internal and/or external wear limits are exceeded. The most common causes, accelerators effects and remedies are shown here.

Also see "Sealed and Lubricated Track Bushing Structural Problems."



Bushing Cracks

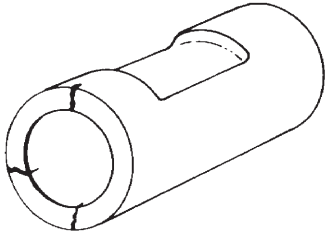
(Through the entire wall)

CAUSES: Exceeding internal wear limit and/or exceeding external wear limit for respective degree of impact. (Crack can be in several positions and configurations).

ACCELERATORS: Any loads between sprocket and bushing caused by horsepower, weight, speed, impact and terrain, too-wide shoes, worn rear rollers, too tight track and exceeding internal wear limits are primary controllable variables.

EFFECTS: Depending on degree of cracking and/or loss of bushing wall material, bushing may not have strength to provide wear life potential of back side after turn.

REMEDIES: Eliminate or reduce controllable accelerator variables.



Bushing End Cracks

CAUSES: Impact contact with counterbore following internal wear and snakiness.

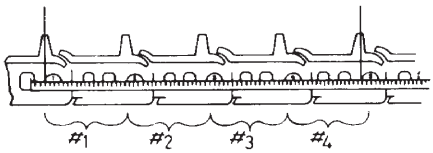
ACCELERATORS: Same as "Bushing End Wear" and "Bushing Counterbore Wear."

REMEDIES: Do not exceed internal wear service limits.

Bushing Loose in Links

See “Sealed and Lubricated Track Bushing Structural Problems.”

Sealed Track Pitch Internal Wear



Measurement Technique

Sealed Track internal wear is measured by determining the pitch extended length over four adjacent sections with a tape measure calibrated in 0.02" (0.5 mm) increments.

Except on 5230, measure only 3 adjacent sections.

The track and tape must be stretched tight and straight to obtain an accurate measurement. The calibrated side of the tape should be located along an imaginary line which connects the pin centers. The reading should be made from one side of a pin to the same side of the fifth pin away (which includes 4 track sections).

The hook on the 0" (0 mm) end of the tape should not be used and the mark at an even increment of inches or centimeter should be placed at the 5th pin leaving the end of the tape free to measure the fractional part of the total length (see diagram above.) This measurement should be taken at least 3 sections away from one-piece type master link joints and should be repeated at least twice over different sections of the track on both sides of the machine. This measurement can be used directly to find percent worn in the charts.

Wear Limit and Percent Worn Chart

The wear limits and wear charts for internal wear include only the 0.12" (3.1 mm) lesser allowable wear.

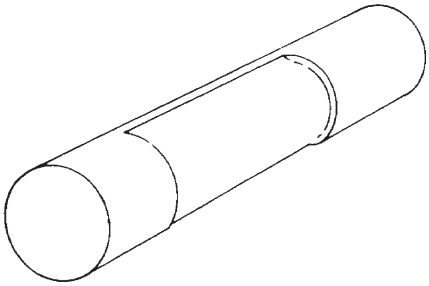
Since “destruction point,” as related to internal wear, actually results in external bushing break-through (which is also a result of external wear) both internal and external worn percent must be known to make an accurate projection of the destruction point.

Dealers and users who, because of very low impact conditions, can successfully extend the allowable internal wear past 100 percent may establish their own criteria for allowable internal wear. It should be remembered that the internal wear limits and percent worn charts are based on the following criteria:

1. Total pin life before plus after-turn pin and bushing internal wear life.
2. Total wear life potential and rebuildability of all components with wear lives which are effected directly or indirectly by internal wear and resulting snakiness.
3. The direct contributing effect of internal wear to external bushing wear-rate and loss of bushing wall strength as to prevent bushing cracking.

Life of pins and bushings after turn should be about 80 percent of life before turn. Life after replacement about 100 percent.

Wear and Structural Problems on Sealed or Dry Track Pins



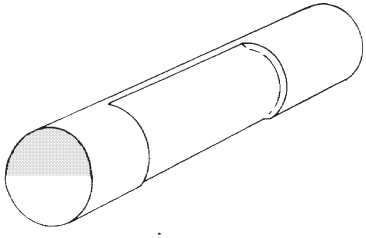
Internal Wear (Pin O.D. Wear and Bushing I.D. Wear)

CAUSES: Rotational contact with abrasive and/or I.D. of bushings.

ACCELERATORS: Horsepower, weight and speed of machine; abrasiveness, loss of sealing effect and snakiness, impact, terrain packing loads, and maneuvering. Track tension, too wide shoes, worn rear rollers and high speed non-productive work are main controllable variables.

EFFECT: Track pitch increase with resulting mismatch (see sprocket wear patterns). Beginning of "chain-reaction" of most advanced undercarriage component wear.

REMEDIES: Eliminate or reduce controllable accelerator variables, turn Sealed Track pins and bushings at service limit. Use Sealed and Lubricated Track.



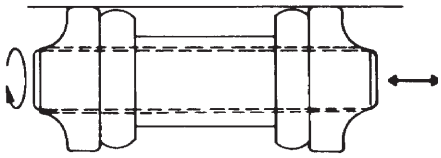
Pin End Wear

CAUSES: Sliding contact with guiding and/or roller guards plus abrasives (may be seen at either or both ends of pin — usually more severe on outboard side).

ACCELERATORS: Uneven terrain, and side hill operation. Too-wide shoes, worn rolling component flange misalignment and snaky track are main controllable variables.

EFFECT: Pin will have to be re-chamfered before re-assembling track at turn time to avoid broaching link pin bore with sharp edges resulting in pin retention loss. Extreme cases will show wear on outer face of pin boss which reduces pin retention.

REMEDIES: Eliminate or reduce controllable accelerator variables, particularly snaky track by turning pins and bushings.



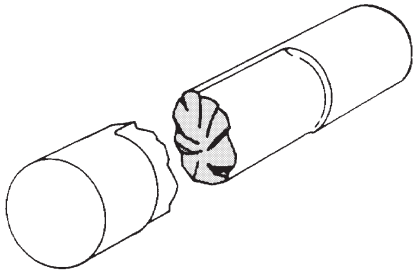
Pin Loosening

CAUSES: Loss of press fit retention in link pin bore.

ACCELERATORS: (1) Severe repeated impact yields or cracks link bore. (2) Uneven terrain and too-wide shoes increase flexing of pin in bores. (3) Link bore broached by improper track press alignment at reassembly time. (4) Loose track shoes.

EFFECT: Loss of pin and separation of track; loss of parts reusability and rebuildability.

REMEDIES: (1) Eliminate or reduce controllable variables which increase impact loads and flexing of joint such as too-wide shoes. (2) Control track press alignment capability and re-chamfer worn pin ends to reduce bore broaching.



Pin Breakage

CAUSES: High static or impact loads which cause crack to start at outer surface (usually at pin wear step) and moves through entire pin at a fast rate.

Pin cracking and breaking is less severe with Sealed and Lubricated Track during absence of internal wear. However, it may be more serious once lubricant is lost and internal wear is present due to faster rate of internal wear and loss of pin strength due to reservoir hole.

ACCELERATORS: Horsepower, weight and speed of machine. Impact and terrain conditions. Amount of internal wear that reduces pin diameter. Tight track, too-wide shoe, worn rear rollers and severe packing loads caused by rocks between bushing and sprocket are main controllable variables.

EFFECT: Immediate track separation. Severe damage to other components.

REMEDIES: Eliminate or reduce controllable accelerator variables, particularly rocks which are getting into spaces between sprocket and bushings.

Sealed Track Pins & Bushing Turn and Replacement Guidelines

The following guidelines should be used in determining if and when Sealed Track pins and bushings should be turned and/or replaced. The general guidelines discussed in the section entitled "Track Management" should be understood and practiced before applying these specifics.

1. If a Sealed Track pin and bushing turn and/or replacement is required to help utilize total track link life it should be done on or before either the internal wear or external bushing service points (100 percent worn) are reached, whichever comes first.
2. If a pin and bushing replacement is required to help utilize the projected total potential link life following the turn of a previous set of pins and bushings, it should also be done on or before either the internal wear exceeds the service point (100 percent worn) or the external bushing surface is run to destruction (120 percent worn), regardless of which occurs first.
3. When in doubt, turn early for best after turn and after replacement wear and structural life performance contributing to overall best total track life and parts reusability.

Do not use these criteria to determine if and when to turn as they involve unreliable measurement techniques:

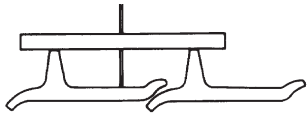
1. Sprocket wear lines or general sprocket tooth wear condition.
2. Extent of idler adjustment used to remove slack is determined by pitch extension from internal wear.
3. Waiting until other components (such as shoes) are ready for maintenance or service based on previous experience of phasing work at the same time.

Remember, if pins and bushings are run to destruction internally prior to replacement, then the replacement set may give as little as 80 percent life of the original set.

Grouser Wear

Measurement Technique

Grouser wear is the only measurable wear position on the shoe for which limits and percent worn charts are provided. Plate thickness can be measured and compared with new dimension to determine wear. Track shoes may be measured by the depth gauge or by the ultrasonic wear indicator.



Grouser height wear is measured with the broad based depth gauge, setting the base across two adjacent grousers and using the gauge to measure down to the plate. The position of the depth gauge should be *1/3* of the way in from the outer edge of the shoe in cases of uneven outer to inner grouser wear. When measuring single grousers, two shoes must be spanned and the track should be straight between these two sections. The depth gauge should be perpendicular to the plate for most accurate reading. Measurements should be made to the closest 0.01" or 0.25 mm.



The ultrasonic wear indicator measures the distance from the tip of the grouser to the bottom of the plate. This measurement should be taken *1/3* of the way in from the outer edge of the shoe and the probe can be placed either on the top or bottom. On double grouser and triple grouser shoes, do not measure the rear grouser bar due to interference with the shoe trailing edge. On regrousered shoes, if the weld does not completely penetrate, the instrument may read only the thickness of the grouser bar. In this case, a depth gauge will be required to determine percent worn.

Wear Limits

Wear limits for all shoes are based on three criteria, in the following order:

1. Remaining beam or bending resistance strength for the “standard” width shoe.
2. Remaining grouser base available for regrousering purposes.
3. Remaining traction-penetration ability of the shoe to prevent production losses.

Therefore, depending on the nature of the shoe and its expected use, both high and low impact wear limits have been established. As the degree of impact increases:

1. A shoe is more subject to bending. Wide shoes may require regrousering before the high impact wear limit is reached to help avoid bending.
2. The shoe grouser base is generally less evenly worn, thus reducing its regrouserability.
3. The shoe will need more penetration to grip the hard surface and therefore may require regrousering before the wear limit is reached.

The service point is represented by 100 percent worn.

Wear Charts

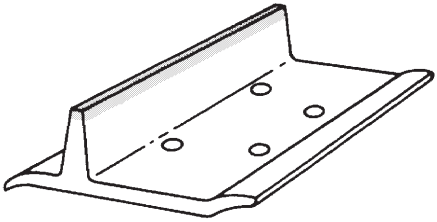
Wear charts are available for all single and multiple grouser shoes. Both high and low impact percent worn charts are provided for all shoes used on tractors and loaders. For excavator usage where high impact is expected in conjunction with a “wide” shoe only the high impact chart is provided.

Shoe percent worn rates reflect an approximate uniform rate of wear to the service and destruction limits. Only a minor allowance has been built into the charts for faster rate of wear after the grouser case depth is worn away, since the rate does not change appreciably.

Track Shoe Cause and Effect Performance

Shoe wear and structural life is more affected by soil and underfoot conditions plus operating conditions than any other component in the undercarriage. So, wear rate and structural problems are good indicators of soil and underfoot and operating conditions, but a poor indicator of the condition of other components. Therefore, shoe wear, and structural problems and shoe selection is an independent topic. However, proper shoe type and width selection has a substantial impact on the expected performance of all other undercarriage components.

How to Interpret Shoe Wear Patterns



Grouser Wear

(Single or Multi-Grousered Shoes)

CAUSES: Sliding contact with underfoot material.

ACCELERATORS: Weight, horsepower, speed, impact, abrasiveness, terrain, and all operating variables that cause non-productive slippage, turning or sliding.

EFFECTS: Loss of traction, bending strength and regrouserability when wear limits reached or exceeded.

REMEDIES: (1) Reduce or eliminate controllable accelerators variables particularly slippage and unnecessary turning. (2) Use extreme service shoes if single grouser shoe is critical item requiring service before pins and bushings.

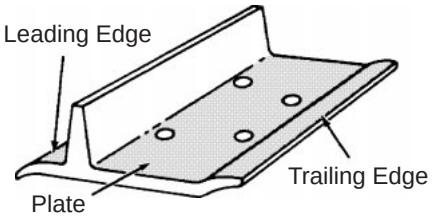


Plate Wear and Leading-Trailing Edge Wear

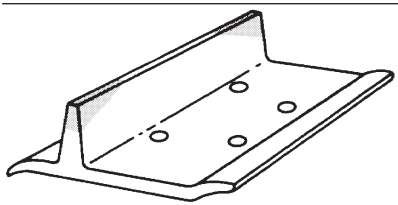
(Single and Multi-grouser shoe)

CAUSES: Same as grouser wear.

ACCELERATORS: Same as "Grouser Wear."

EFFECTS: Loss of bending or beam strength. May prevent successful regrousered life despite condition of grouser.

REMEDIES: Same as "Grouser Wear." Use Sealed and Lubricated Track if leading and trailing edge wear is a critical wear item.



Grouser Corner Wear

CAUSES: Same as "Grouser Wear" but different underfoot and operating accelerator are predominant.

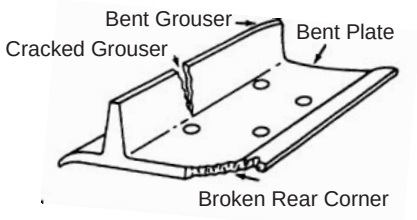
ACCELERATORS: Same as "Grouser Wear" except terrain is probably less smooth. Too wide shoes in high impact condition on rough terrain will accelerate this effect particularly where much turning is evident.

EFFECT: Reduces effective shoe wear life and regrouserability.

REMEDIES: Reduce or eliminate controllable accelerator variables and use narrowest shoe that will give adequate flotation.

Shoe Structural Problems

All shoe structural problems described here should be considered for their own cause plus for the transferred effect into the rest of the undercarriage components.



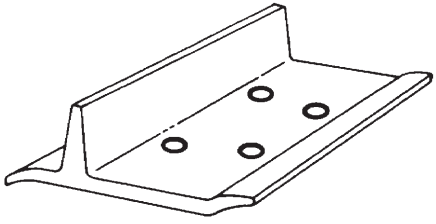
Shoe Bending, Cracking and Breaking

CAUSES: Bending load on shoe exceeds shoe beam strength due to (1) loss of grouser and plate wear material (2) shoe too wide for underfoot conditions.

ACCELERATORS: Same as "Shoe Grouser Wear," particularly shoe width.

EFFECT: Loss of unused shoe wear life. Loss of re-grouserability.

REMEDIES: Choose heavier extreme service shoe and/or narrower shoe which will give adequate flotation.



Bolt Hole Wallowing Out
(With loose hardware)

CAUSES: Loss of clamping between shoe and link or loose bolt pounds hole larger.

ACCELERATORS: (1) Same as "Shoe Bending Cracking and Breaking" particularly too wide shoes, plus having too much turning resistance resulting from too high grouser. (2) Inadequately tightened hardware.

EFFECTS: Loss of unused shoe wear life; loss of shoe regrouserability; damage to link bolt holes and resulting loss of wear life and rebuildability.

REMEDIES: (1) Choose narrowest shoe which will give adequate flotation. Clip ends of grouser to reduce turning resistance of wide shoes. (2) Choose multigrouser shoes to reduce turning resistance. (3) Choose extreme service shoe if single grouser shoe is bent.

Tighten (and retighten) hardware if necessary according to proper torque procedure and specifications.

Proper Shoe Selection

Shoe selection should be based on the user's habits, general preference, expected specific needs or the machine salesmans advice. Often, this preference and advice is premised strictly on machine productivity without consideration given to the effect on the total undercarriage wear and/or structural life in hours or cost per hour terms.

It is the responsibility of the CTS analysts to be the expert in all facets of shoe selection, both in regard to machine productivity and undercarriage wear and structural life performance.

Any choice is a compromise. Make the user aware of the advantages (productivity) and disadvantages (reduced undercarriage component life). The best example is the case of low ground pressure (machines with very wide shoes) which vastly increases productivity by working in places no other machine could, but with an expected undercarriage wear and structural life of as little as 1/10 of the same sized machine working on firm soil with standard width shoes. Use the following chart to weigh the factors.

These . . . / As these increase . . .	Machine Productivity Factors				U/C System Wear & Structural Life Factors			
	Flotation	Penetration Traction	Maneuver-ability	Versatility	Shoe W.L.	Shoe S.L.	Pin & Bushing W.L. & S.L	Link & Rollers Com W.L. & S.L.
Shoe Width	⇑	⇒	⇓		⇒	⇓	⇓	
(grouser & plate) **Shoe Section Thickness**	⇒	↘	⇒	⇒	⇑	⇑	↘	↘
Shoe Hardened Wear material	⇒	⇒	⇒	⇒	⇑	⇑	⇒	⇒
Number of Grousers	⇒	↘	↗	↘	N/A	⇑	↗	⇒
Height of Grousers	⇒	⇑	⇓	⇒	⇑	⇑	↘	↘

W.L. = Wear Life S.L. = Structural Life

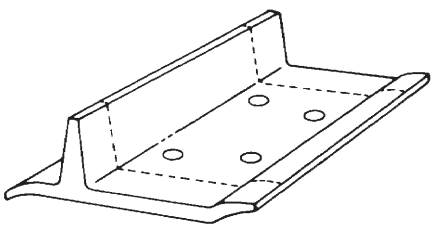
How to use this chart:

1. First find machine productivity factor most important to the user.
2. Find what effect the various shoes selection variables may have.
3. Next, look straight across to find what degree of wear and structural life effects may be expected.
4. Repeat these steps until all productivity and life factors have been considered.
5. Working backwards the chart will help determine wear and structural problems caused by different shoes.
6. Refer to the Parts Sales Kit for a description of the various shoes available for each model size.

Modify Shoes for Special Conditions

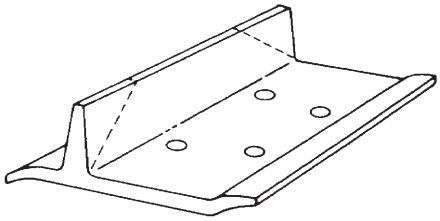
Caterpillar offers a wide range of shoe types and sizes to meet most needs.

However, dealers or users may wish to modify new or existing shoes to better match or balance productivity and undercarriage life considerations. Following is a brief description of the various dealer/user modifications possible. Refer to appropriate service department publications for exact cutting and welding procedures and dimensions for various shoes.



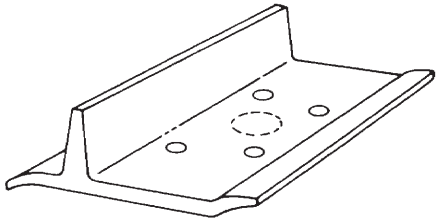
Shortening or Offsetting

Shoes may be cut off at one or both ends to reduce width on inner and/or outer sides as required.



Extreme Clipping

Shoes may have the grouser corners cut off to reduce turning resistance and bending force without loss of flotation and with little loss of overall wear life.



Center Holes

Shoes may have a hole cut between the bolts to provide another place to relieve extrudable type packing material. (See discussion on Extrudable and Non-extrudable Material under "Soil and Underfoot Conditions — Packing"). Should not be done in rocky conditions due to possible entry of rocks into track.

Correctly Fasten Shoes

The principle controllable cause of shoe loosening is inadequately tightened shoe hardware. Refer to the special procedure for master shoes for split master links and shoes on page 33. Use the following procedure to tighten and retighten regular track bolts. When experience dictates, track hardware should be re-tightened after 50-100 hours of operation.

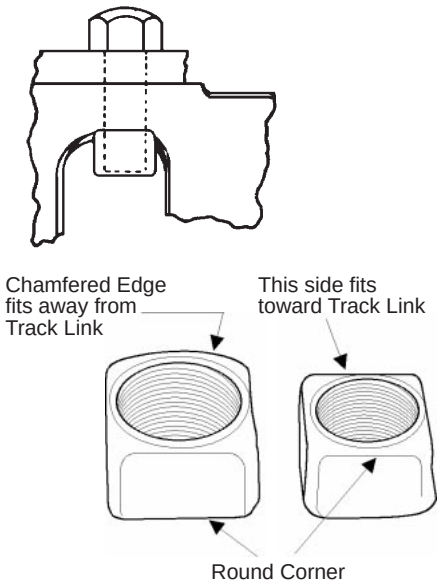
1. Remove all rust and paint from mating surfaces of links and shoes.
2. Lubricate the bolt threads and bolt washer faces.
3. Tighten the bolts to the specified torque.
4. Give each bolt an additional 1/3 turn.

Initial torque draws the parts together tightly. An additional 1/3 turn gives the bolt proper stretch for good retention. Stretching stresses the bolt until some permanent deformation occurs. The deformation insures that the bolt's maximum clamping force is used.

NOTE: See Individual Model Family Sections for Shoe Bolt Torque Specifications.

Self-Locking Track Nuts

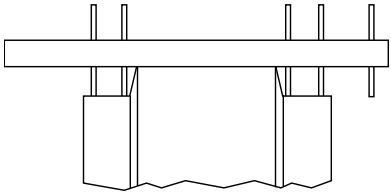
Self-Locking Track Nuts are installed with the Rounded Corners against the link, the Chamfered Edges away from the link.



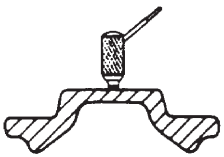
Idler Wear

Measurement Technique

Tread and center flange wear are the measurable wear positions on idlers.



Tread wear is determined by measuring with the broad based depth gauge from the idler center flange to tread surface. The positioning of the depth gauge should be so that the measurement rule is aimed as closely as possible toward the center of the idler with the base flat on center flange and parallel to idler shaft. The greatest error in measuring idler tread wear arises from wear on top of the center flange which alters the reference point. If this wear is suspected some attempt to compensate for it should be made in the reading taken. Remember idler tread wear measurements increase as tread wear occurs and decreases as center flange wear occurs.



Center flange wear is measurable with the ultrasonic wear indicator on fabricated idlers only. It measures the thickness of the center flange and should be taken directly in the center of the flange. Use the conventional depth gauge to measure wear on the tread surface, then add the center flange wear to the depth gauge measurement before determining percent worn.

Wear Limits

Idler tread allowable wear and resulting wear limits are based on two basic criteria: Rebuildability of the tread surface plus center flange to track bushing clearance. As wear proceeds past 100 percent each of these considerations may result in damage to other parts. If the idler is worn beyond 120 percent the tread will become too thin to successfully rebuild.

Wear Charts

Wear charts for idlers are direct reading from the measurement taken. They have a built-in factor allowing for faster wear rate after the hardened case depth is worn away. As with links and rollers, the wear rate is about three times as fast in the unhardened material below the case depth.

Rebuildability

Idler tread and flange can be successfully rebuilt (welded) several times if they are not worn beyond service limits and if center flange wear is considered into this service point.

Welded idlers generally provide wear life equal to original tread wear life to respective limits if welded to original dimensions.

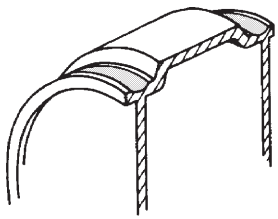
Swapping Idlers

Idlers can be swapped from side to side or front to rear (on elevated sprocket machines) to balance wear. Consider swapping whenever the ratio of most worn to least worn is greater than 1.5 to 1 and the average percent worn is less than 60 percent.

Idler Wear Patterns

Idler wear patterns can be used to help interpret abnormal wear causes on mating parts, track links, plus interpret other controllable and non-controllable accelerator variables, which may be affecting non-mating parts such as rollers which are harder to see and inspect.

The idler tread wear rate is very sensitive to tight track.



Tread Wear

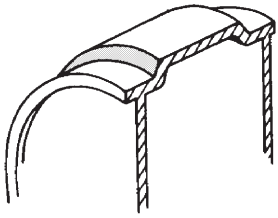
Normal wear pattern

CAUSES: Sideways sliding motion with track link rail surface.

ACCELERATORS: Machine weight, horsepower, speed, and applications which put more weight on the front of the machine. Impact, abrasiveness, packing, terrain and turning. Tight and/or snaky track and misalignment are main controllable variables.

EFFECTS: If worn past 100 percent at deepest part may reduce rebuildability and may crack at 120 percent or more worn.

REMEDIES: Reduce or eliminate too tight track and correct misalignment problems as indicated by off-center wear pattern. Rebuild treads when service limit reached.



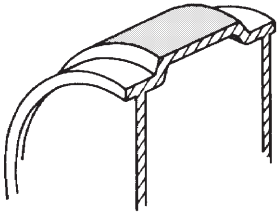
Flange Side Wear

CAUSES: Engagement motion with track link inner railside.

ACCELERATORS: Same as "Tread Wear" except terrain (side hill) turning and misalignment have much greater result on flange side (see discussion on idler alignment). Track tension and snaky track and worn front guiding guards also have greater result on flange sides than treads. Too wide shoes also contribute.

EFFECTS: Reduces idler tread rebuildability due to (welding) difficulty. Effect on link rail inside is more important than effect on idler itself however.

REMEDIES: Reduce or eliminate controllable accelerator variables including misalignment, worn front guiding guards, snaky track, too tight track and too wide shoes.



Flange Top Wear

(May be domed)

CAUSES: (1) Sliding contact with any abrasive material packed into idler assembly area. (2) Impact contact and motion with track links which have jumped out of tread area.

ACCELERATORS: Speed, packing, adhesion and abrasiveness of packed material. Too loose or too snaky track increased chances of track link damage.

EFFECTS: Reduces wear measurement distance and resulting accuracy. Reduces rebuildability in extreme cases.

REMEDIES: Rebuild if critical. Clean packed material away from area behind the idler. Correct cause of links jumping out of tread and running on center flange if this wear is present in absence of packing.

Idler Position

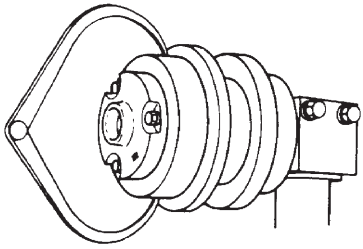
Some tractors have two-position idlers which can be adjusted to provide either "high" or "low" idler position. With the idlers in the "high" position, there is less track-to-ground contact area, and the tractor is more maneuverable. With the idlers in the "low" position there is a greater length of track contacting the ground and greater stability when the tractor is equipped with heavy, front-mounted equipment. Idlers should be adjusted to the "high" position except where the "low" position is necessary for machine stability.*

* Ref. page 15, 18 and 19.

Carrier Roller Tread Wear

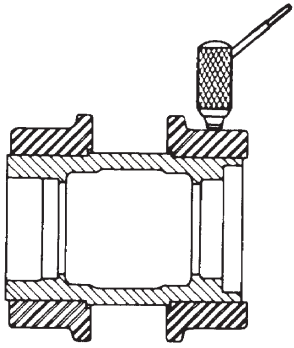
Measurement Technique

Carrier roller tread wear may be measured by the large caliper or by the ultrasonic wear indicator.

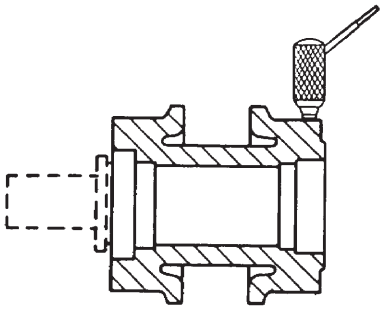


The caliper measurement technique is to find the location representing the most worn (smallest diameter). Measurements should be made to the closest 0.01 inches (0.25 mm).

The ultrasonic wear indicator measurement technique depends on the type of carrier roller being measured. On rollers with press-on rims, as shown below, the thickness of the rim is measured, so find the location with the smallest reading.



On carrier rollers with one-piece rims, the ultrasonic measurement is from the tread surface to the inside diameter of the roller. It is important to place the probe on the outer half of the tread surface on the side of the roller opposite the shaft as shown at the top of the second column. Take caution because, due to the use of tapered roller bearings, more than one thickness can be found along each tread surface.



The ultrasonic wear indicator does not measure cast iron so the carrier rollers on some D3, D4, D5, D6 and 225 machines may need to be measured with the caliper.

Wear Limits

Carrier roller allowable wear and resulting wear limits are based on two primary factors: First, to prevent flange interference with the track bushing and second, to insure remaining strength and successful rebuildability of the carrier shell itself. When 100 percent worn to the service limit, flanges will not contact the bushing even with a 100 percent worn link but beyond that point and certainly by 120 percent worn structural failure could result to the bushing and the carrier roller.

Wear Charts

Wear charts for carrier rollers are direct reading from the diameter measurement. They have a built in factor for faster wear rate expected after the hardened case is worn through. For some model sizes the hardened case covers the entire allowable wear so the expected wear rate is uniform.

Rebuildability

Carrier rollers with forged steel rims (most models) should be rebuildable assuming flange wear or damage is not critical.

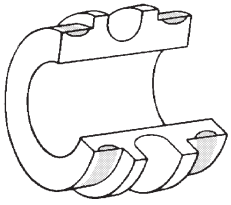
The primary cause of nonrebuildable carrier roller is flat spots worn on the tread. This is caused by links sliding over the tread of non-turning stuck carrier rollers, usually in the presence of severe packing.

Swapping Carrier Rollers

Carrier rollers can be swapped from front to rear and left to right to help balance their wear life in cases where conditions have caused unequal wear rates. Criteria are: greater than 1.5:1 ratio and average less than 60 percent worn.

Carrier Roller Wear Patterns

There are three principle wear patterns found on carrier rollers. In each case the effect on the links may be more critical, considering total undercarriage life, than on the carrier rollers themselves.



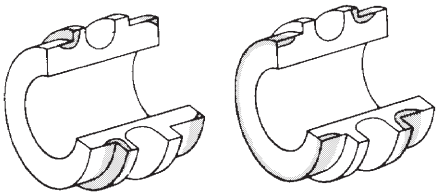
Tread Wear (Uniform)

CAUSES: (1) Rolling and sliding motion with link rail (top) surfaces. (2) Sliding contact with packing material on roller frame.

ACCELERATORS: Machine speed. Weight of track which is governed by shoe width including packing material. Track tension is primary controllable variable as tight track increases loads and too loose track causes impact between links and tread surface, particularly in forward motion.

EFFECT: Wear life of carrier roller and links. No other components affected unless service limit exceeded, then flanges may strike bushings causing unusual wear pattern and premature failure.

REMEDIES: Maintain proper track tension and reduce or eliminate other controllable accelerator variables. Rebuild or replace carrier roller shell when service limit reached.



Uneven Flange Side Wear and Off-center Tread Wear

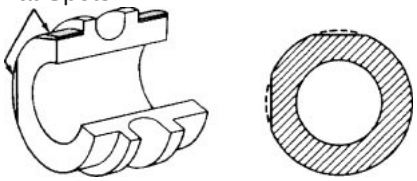
CAUSES: Rolling and sliding contact with link rail top and sides not aligned with carrier roller.

ACCELERATORS: Same as "Carrier Roller Tread Wear" plus terrain and side-hill; and misalignment of carrier rollers, sprocket and/or idler. Offset shoes will move track to outboard side.

EFFECTS: Loss of potential wear life and rebuildability of carrier roller and links.

REMEDIES: Reduce or eliminate controllable accelerators. Swap carrier roller to balance wear.

Flat Spots



Flat Spots on Tread

CAUSES: Sliding contact with link rail tops when carrier roller not turning.

ACCELERATORS: Same as "Even Tread Wear." Packing between roller frame and carrier roller is principle cause of seizing.

EFFECT: Reduced wear life and rebuildability of carrier rollers. Accelerated wear on links.

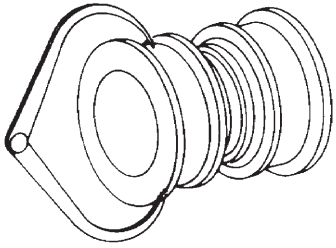
REMEDIES: Clean packing material away from carrier rollers.

Roller Tread Wear

Track roller wear is the most difficult of all to measure and interpret. In some cases not all measurements will be possible. Several assumptions and correlations may have to be made to better interpret the roller system wear condition in the absence of complete measurements of inner and outer flanges on all rollers. The measurement techniques recommended here are reliable and safe methods of obtaining wear measurements. Certain modifications of measurement tools may make this measurement easier, but will not increase the accuracy.

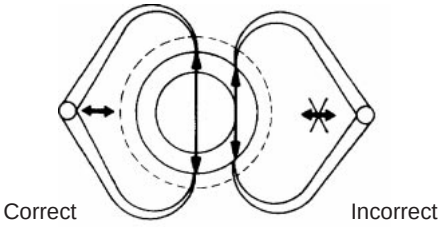
Tread Measurement Technique

Track roller tread wear can be measured by three methods, measuring tread diameter with a large caliper, flange height with a depth gauge, or rim thickness with an Ultrasonic Wear Indicator.

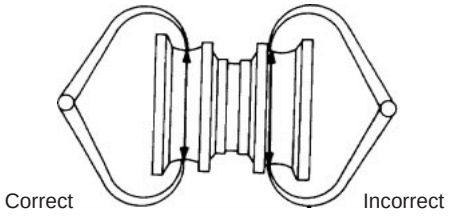


Caliper Measurement

1. Position the caliper, where possible, so the tongs or tips of the caliper are touching the tread in its most worn position on the diameter.
2. Pass the caliper back and forth to find the true minimum diameter.



Pass Caliper Back and Forth

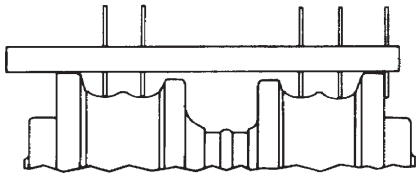


Measure Point of Most Wear

Common Caliper Measurement Errors

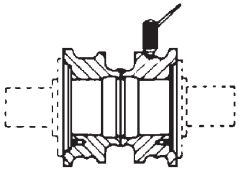
1. Failing to pass the calipers back and forth across the tread surface to find the true minimum diameter. Often a diameter is measured resulting in over statement of wear. Other times the caliper is not resting on the most worn areas across the tread resulting in under statement of the wear.
2. Failure to measure both outer and inner treads. This may tend to understate the effect of wear on the roller if inner tread is more worn.
3. Over tightening calipers will result in an overstatement of wear due to the spring-back effect when calipers are removed from compression contact with the treads and compared to the calibrated rule.
4. Failure to clean surfaces before measurement will understate the amount of wear.

All these errors are similar to errors and results made when measuring track bushings.



Depth Gauge Measurement

1. Set the farthest probe on the measurement tool as an outerflange reference hook. Then set the probes in the numbered holes for the model being measured.
2. On machines with elevated sprockets the probes should be resting in the wear cusps on the roller tread. For all other machines the probes should be adjusted to the most worn surface.
3. Push the bar down flush with the flanges. Then measure the exposed length of all tread probes and use the largest measurement to determine percent worn.



Ultrasonic Wear Indicator Measurement

The ultrasonic wear indicator measures the distance from the wear surface of the roller to the inside diameter of the roller. It is important not to measure to the retainer bolt holes.

On elevated sprocket machines and hydrostatic loaders with retainer rollers, observe the location of the retainer bolts and place the probe between them.

The new series machines have new improved track rollers. This new design eliminates the need for retainer bolts by using a snap-ring. As a result of this design, serviceability has improved and using the ultrasonic wear indicator is easier (without bolt holes, measuring can be done anywhere on the surface of the roller).

On low sprocket track-type tractors, former track-type loaders, and excavators, the retainer bolts are not visible. For these rollers, observe the thickness readout closely from roller to roller to catch any abnormally small thicknesses which would indicate a reading to the bolt hole.

On track rollers with noticeable cusp wear, slide the probe across the cusp to get the smallest reading. To speed the process, select the cusp that normally is most worn (the cusp closer to the center of the roller), rather than sliding the probe over both cusps each time.

Rear and Front Rollers Most Important

If roller guards or other conditions prevent measurement of all rollers, then the most important roller to be measured or estimate wear on is the rear roller. The next most important roller to be measured is the front roller. These two rollers should definitely be inspected by any means possible that does not present a safety hazard. The rear and/or front rollers generally will be most worn and therefore critical in maintenance and servicing decisions.

Wear Limits

Allowable wear on roller treads and resulting wear limits have been determined as for the link, by allocating some fraction of the roller flange to pin boss (or bushing) clearance as appropriate. This is based on the assumption that the average roller wear will equal link wear. Since front and/or rear rollers usually wear at a faster rate than center rollers it should be assumed that the front and rear rollers will reach service or destruction limit prior to links and therefore be the first cause of pin boss to roller flange interference. For example, 90 percent worn links may still experience pin boss to roller flange interference even though average roller wear is only 90 percent. This is because the rear roller is 110 percent worn. (See discussion on “Roller Swapping”).

Pin boss to roller flange interference results in wear on top of roller flanges, thus reducing the rebuildability and strength of the flanges.

When the roller tread is worn past service limit (100 percent worn) its weldability is also reduced. As wear approaches 120 percent worn, structural damage to the roller shell in the form of cracking or breaking may result due to loss of strength.

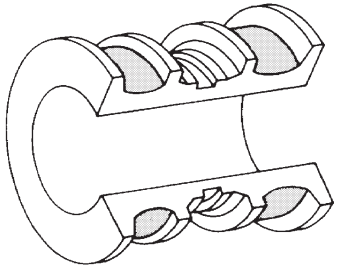
Wear Charts

Like links, roller tread wear charts have a built in factor to account for expected faster wear rate after the hardened case depth is worn away. The wear rate after the hardened case will be approximately three times as fast as when the roller is new.

Different wear charts are provided for different link-roller combinations where applicable and are identified by the link and roller group part number.

Roller Wear Patterns

Roller wear patterns may be used as indicators of abnormal controllable conditions that may affect other parts in the undercarriage. Most times the wear patterns shown here are found in a combined pattern with varying degrees of each depending on the causes.



Tread Wear

(Normal wear pattern)

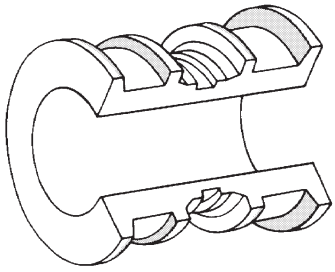
CAUSES: (1) Rolling contact with abrasives crushed between roller tread and rail (top) surface. (2) Sideways sliding contact between rail and tread.

ACCELERATORS: Weight, horsepower, machine speed, impact, abrasiveness, and to some extent packing. Terrain and application often determine unbalanced inner to outer tread and front to rear roller wear rate. Unusual roller frame distortion problems can accelerate selective wear rates. Turning increases sideways sliding contact. Too wide shoes and track snakiness tends to accelerate rounded patterns.

EFFECT: Pin boss to roller flange interference when link and roller combined service limit reached or exceeded.

REMEDIES: Reduce or eliminate controllable accelerator variables particularly nonproductive turning and too wide shoes.

Swap rollers to balance final wear lives. Rebuild (weld) rollers to dimensional level.



Flange Side Wear

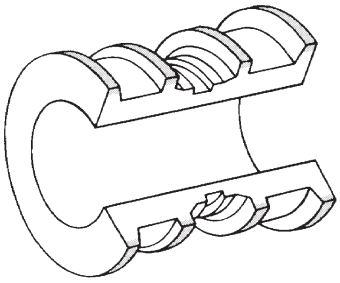
(Inner and/or outer sides facing tread)

CAUSES: Rolling and sliding contact with rail sides.

ACCELERATORS: Same as “Tread Wear” except side hill operation, uneven terrain, turning misalignment, worn guiding guards, snaky track and too wide shoes have greater measurable result on flange than on tread.

EFFECT: Reduces guideability and rebuildability of rollers.

REMEDIES: Same as “Roller Tread Wear.”



Flange Top Wear

CAUSES: Rolling and sliding contact with link pin bosses after loss of clearance.

ACCELERATORS: Same as "Tread Wear."

EFFECTS: Reduces roller rebuildability. Damages link pin bosses with resulting pin retention and rebuildability loss.

REMEDIES: Same as "Roller Tread Wear."

Roller Welding, Swapping, or Replacement Guidelines

Weldability

The main criteria determining roller tread rebuildability is outer and/or inner flange condition. Since no wear chart type information is possible and measurements are difficult, the condition of the flange must be described in subjective, comparative terms. Rollers can be welded if the maximum tread wear is between 70-110 percent, but 100 percent represents the optimum.

The Undercarriage Reconditioning Cost Analysis computer program (SEBD0700) is available to analyze the costs and profitability of welding undercarriage components.

Roller Swapping

Due to the expected unbalanced wear rate between rear, front and center rollers under many conditions, it's often desirable to swap rollers to and from front and/or rear positions to center position midway through their average wear lives. One convenient time for this is when pin and bushing or shoe maintenance work is being done. The result will be to have all rollers reach service limits at about the same time.

The cost of roller swapping must be compared with this end benefit. The practice should be considered when the percent worn of the most worn rollers exceeds the percent worn of the least worn rollers by a factor of 1.3.

Example of situation where roller swapping at bushing turn time should be considered:

LINKS: 40 percent worn
BUSHINGS: 80 percent worn
ROLLERS:

ORIGINAL POSITION	% WORN	TYPE	MOVE TO POSITION NUMBER
Front (1)	50%	D.F.	4
2	40%	D.F.	No change
3	30%	S.F.	Rear (7)
4	30%	D.F.	Front (1)
5	40%	S.F.	No Change
6	40%	D.F.	No Change
Rear (7)	50%	S.F.	3

Average % Worn 40% (Equal Links 40% Worn)

Most worn roller exceeds least worn roller percent worn by over 1.3 $\frac{(50\% = 1.66)}{30\%}$

If not swapped, front and rear rollers will be critical when link is only 80 percent worn and will cause pin boss to roller flange interference when link is 90 percent worn.

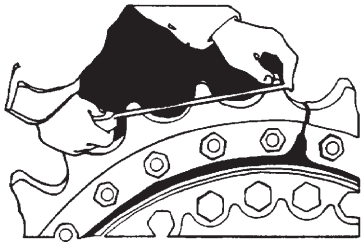
Rules Recap

1. Swap rollers if percent worn of most worn exceeds percent worn of least worn by more than 1.3:1 ratio.
2. Swap rollers when the average percent worn is close to 50 percent (or 60 percent if target is destruction).
3. Swap most worn with least worn of same flange type; swap second most worn with second least worn of same flange type, etc.
4. Take advantage of both track and/or roller swaps from left to right side of machine to further balance total system. The same principle can be applied to machines with four carrier rollers or four idlers to balance their fore and aft, or left and right wear rates.

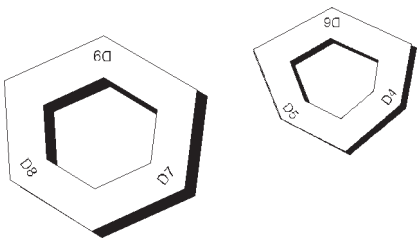
Note: See other references to roller swapping guidelines specific to overall undercarriage management alternatives in the Management/Merchandising and Elevated Sprocket Tractor Section.

Sprocket Wear

It is recommended to replace sprocket segments at bushing turn time or track replacement.



On elevated sprocket machines, sprocket wear is determined by measuring the distance across three sprocket teeth. Measure the minimum distance between the drive side of one tooth and the opposite drive side of a sprocket tooth located three teeth away as shown in the illustration above. It is important to note that the distance measured should be between teeth on the same segment. Avoid measuring between teeth on different segments as this may yield an incorrect measurement.



On low sprocket machines use the sprocket re-use indicator gauge (D7-D9 = 5P8617; D4-D6 = 5P8616) for Sealed or Sealed and Lubricated Track. Its function is to indicate whether there is sufficient wear material left in the sprocket tooth to provide structural life to match the expected remaining bushing life that will be used with it following a bushing turn or replacement.

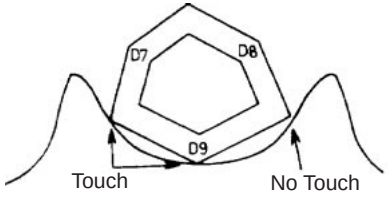
The gauge is designed to ignore the sprocket tooth tip conditions and determines the ratio of the wear in the tooth root compared to the wear on the tooth sides, with the wear on the tooth sides being the determining factor in reusability for structural purposes.

The gauge should be placed into one or more teeth with the point at the root aimed at the center of the sprocket.

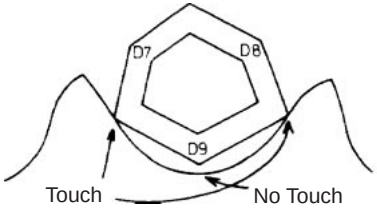
If the point of the gauge touches the tooth root, the sprocket tooth does not have enough wear material left to (1) support the back side of the turned bushing that caused the wear already present on the sprocket or (2) support the wear life of the replacement bushing assuming its expected wear life potential is equal to the wear life obtained on the bushing that caused the wear already present on the sprocket.

Conversely, if only the two tooth side tips touch and the root tip does not touch then that segment can be expected to provide as much wear life as already provided by the bushing sides that ran against it.

The past and projected sprocket life should be thought of in terms of the bushing (sides) of life it has or will be expected to provide, not in terms of actual hours on the sprocket itself.



Do not reuse sprocket with turned (or replaced) bushings.



OK to reuse sprocket with turned (or replaced) bushings.

Sprocket Wear Patterns

The new sprocket reuse gauge makes interpretation of sprocket tooth profile wear patterns much easier. Also, sprocket wear patterns should now be used only to help determine the cause and effect of corresponding bushing wear patterns since the gauge will indicate sprocket reuse.

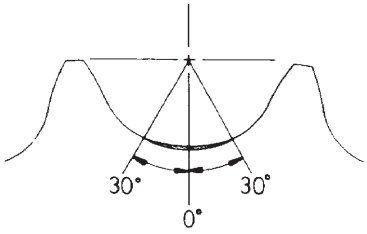
As noted in the previous discussion the sprocket reuse gauge ignores sprocket tooth tip condition as the tooth tip is not a criteria for remaining functional strength and wear life of the sprocket or how it will adversely affect the bushing after reuse.

The sprocket gauge locates *low* on the tooth side, as wear here determines (1) the remaining strength in the tooth to support further bushing wear in the driving portion of the tooth and (2) the degree of expected sliding the bushing will be expected to incur thus affecting its expected wear rate.

The wear patterns shown here should not be assumed to be a result of sprocket wear characteristics alone, and therefore corresponding bushing wear pattern should be studied. See the section entitled "Sealed and Lubricated Track Pins & Bushings."

Also, since some sprocket wear patterns, (particularly on the *outside* surfaces and tips that face the links) are a result of snaky track guiding and alignment problems, the sections covering those situations should also be consulted.

These are the most common profile wear patterns found with Sealed and Sealed and Lubricated Track as identified in each case.



Root Wear

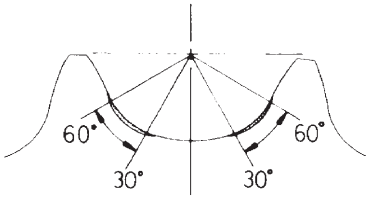
(0-30 degrees from vertical) is a normal expected wear pattern of Sealed and Lubricated Track in the absence of severe packing and with Sealed Track prior to pitch extension.

CAUSES: Sliding contact with vertical position of bushing during forward to reverse direction changes and due to pitch mismatch of minor packing effect and/or advanced component wear.

ACCELERATORS: See "Bushing Vertical Position" wear.

EFFECT: None on sprocket itself. In absence of other wear patterns, improves sprocket reusability.

REMEDIES: Eliminate or reduce controllable variables shown under vertical position bushing wear. Objective should be to extend bushing life, not sprocket life in this position.



Reverse and/or Forward Drive Side Wear

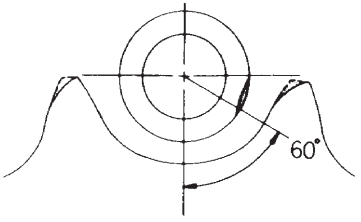
(30-60 degrees from vertical) is a normal expected wear pattern of Sealed and Lubricated Track with moderate packing and with Sealed Track with track pitch extension with or without packing.

CAUSES: Sliding contact with corresponding bushing position. With Sealed and Lubricated Track it indicates moderate degree of packing. With Sealed Track it indicates combined degree of mismatch resulting from internal wear plus packing.

ACCELERATORS: See "RDS and FDS wear on Sealed and Lubricated Track and Sealed Bushings."

EFFECTS: Reduces potential wear life of sprocket segment due to reduced strength of tooth in driving position.

REMEDIES: Reduce or eliminate controllable accelerator variable listed under "Sealed and Lubricated Track and Sealed Bushing FDS and/or RDS Wear" Positions. Change sprocket as indicated by sprocket reuse gauge at bushing turn or replacement time only. Action taken should be in consideration of bushing, not sprocket segment except in extreme cases when loss of tooth could cause final drive damage.



Reverse Drive Side Tip Wear

(corresponding to more than 60° from vertical on bushing wear).

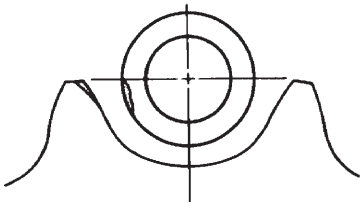
CAUSES: (1) Severe packing effect in the absence of track pitch extension from Sealed and Lubricated Track or early hour Sealed Track cause bushing to have interference with sprocket tooth tip upon entry at the bottom of the sprocket in forward motion and/or interference with tooth tip upon exit at the bottom of the sprocket in reverse motion. (2) Too loose of track with more than 1" (3/4" on one carrier roller machines) of slack results in "back jamming" the bushing at the bottom of the sprocket in reverse motion.

NOTE: To determine the cause of reverse drive side tip wear note the direction of the scratches on the tooth tip. If they point toward the tip then the cause is probably too loose track; if they point toward the root, the cause is probably severe packing. See further discussion under "How to Interpret Sealed and Lubricated Track Bushing Wear Patterns — Forward and/or Reverse Drive Side Wear Pockets."

ACCELERATORS: (1) For Packing — same as "Bushing FDS and/or RDS Pockets" (2) For too loose track — same as "Bushing FDS and/or RDS Pockets" except track tension needs to be increased by removing excess slack.

EFFECTS: (1) & (2) No adverse effect on sprocket itself when in absence of other significant FDS and/or RDS wear patterns. Does not affect sprocket reusability or ultimate wear life as vertical position should take over as most worn on Sealed and Lubricated Track and FDS/RDS wear should take over as most worn positions with Sealed Track following pitch extension.

REMEDIES: (1) If caused by packing — reduce or eliminate controllable accelerator variables, particularly too tight track. Do not change segments based on tip wear alone. Use sprocket reusage gauge to determine reusability following bushing turn or replacement. Use mud/snow segments only if packing material is constant and extrudable. (2) If caused by too-loose track — adjust track to proper slack. Do not change or replace segments based on tip wear alone. Use sprocket reuse gauge to determine reusability following bushing turn or replacement.



Forward Drive Side Tip Wear

CAUSES: Bushing sliding interference due to mislocation of bushing in very severe packing with Sealed and Lubricated Track and Sealed Track with little internal wear. Occurs at top of sprocket in forward (exit) and reverse (entry) motion. Usually less severe than but always in presence of "RDS Tip Wear" described above. Accompanied by bushing FDS pocket wear.

ACCELERATORS: Same as "Vertical Position" and "FDS and RDS Bushing Wear" except degree of packing is more severe.

EFFECTS: None on sprocket itself. Does not affect sprocket internal wear life or reusability except in the very severe cases.

REMEDIES: Same as for "RDS Sprocket Tip Wear" described above where cause is packing. Do not change or replace segments based on tip wear. Use sprocket re-use gauge to determine reusability at bushing turn or replacement.



Sprocket Side Wear And Corner Wear or Gouging

(Inner and/or Outer)

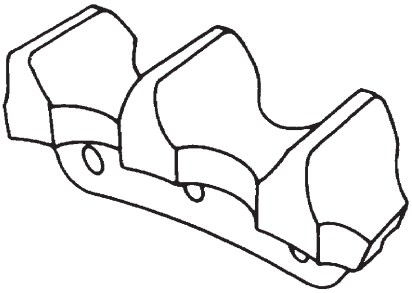
CAUSES: (1) If inner or outer sides are over 360° of sprocket, principal causes are snaky Sealed Track and/or loss of guiding guard capability with Sealed and Lubricated Track or Sealed Track resulting in interference with inner link sides. (2) If limited to inner or outer, or not uniform over 360° of sprocket then principal cause is probably misalignment of sprocket and/or roller frame.

ACCELERATORS: Uneven terrain and side hill; turning, too wide shoes, snakiness.

EFFECTS: Principal adverse effect is on link (see "Link Wear Patterns") severe cases reduce contact areas of sprocket-bushing fit may accelerate bushing wear. Also may cause an off-center bushing wear pattern if the cause is alignment.

REMEDIES: (1) If caused by snaky Sealed Track pins and bushings should be turned or replaced but main consideration is track, not sprocket wear. (2) If caused by worn guiding guards replace wear strips (3) If caused by misalignment correct after careful measurement.

Mud & Snow Segments and Rims



Mud/snow sprockets, rims and segments have the same tooth profile as standard segments. They provide an avenue to relieve the pocket of material through a slot cut into the tooth root. The same segment serves both Sealed and Sealed and Lubricated Track.

They should be recommended only where packing material is extrudable (see discussion on "Packing" in section entitled "Underfoot Conditions") and is always present.

In the absence of constant, extrudable type packing material, the reduced contact area in the root of the tooth will cause an accelerated "hour-glass" shaped wear pattern on the bushing in the vertical position and may result in reduced bushing wear life.

How to Properly Torque Segment Hardware

The principal cause of segment loosening, and subject loss and/or damage to other parts, is improper torque-turn tightening method.

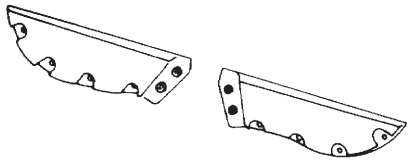
To install segment hardware, first, lubricate the bolt threads and the washer face of the nut with 5P3931 Antiseize Compound or an equivalent lubricant.

Second, tighten all nuts on any one segment to the specified initial torque. This draws the mating parts tightly together.

Third, tighten each nut a 1/3 additional turn. This stretches the bolt properly for good segment retention.

The actual torque specifications can be found in the "Management" section of each type machine.

Guiding Guard Wear



End and center guiding guards have no definite measurement technique, service limits or wear charts.

They should, however, be a part of every undercarriage inspection and their condition should be described in subjective but comparative terms.

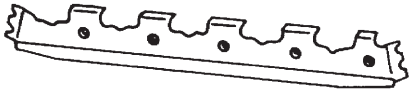
Guiding guard wear on pin ends is a good indicator of guiding guard condition but should not be assumed to be the only indicator since wear strips might have been replaced since the track was first installed.

Guiding guard replaceable wear strips should be replaced before any wear or damage is done to the guard itself. The most convenient time to check and maintain guard wear strips is at pin and bushing maintenance and track replacement time.

Need for Roller Guards



Full Roller Guard



Partial Roller Guard

Although roller guards (full or partial type) do provide some additional guiding effect, their use should be based on the need to keep rocks and/or other foreign debris from entering the roller areas.

Roller guards should not be used therefore in any condition where there is no danger of rocks and debris entering the spaces between the rollers and causing roller, link, bushing or sprocket structural damage.

Roller guards should be considered when working in the following types of materials only, and when structural damage to rollers, links, bushings and sprocket has been or may be a problem.

Conditions for Use of Roller Guards

1. Rocks or gravel of 1" (25 mm) or larger up to 6" (150 mm).
2. Tree limbs, branches or other non-extrudable wood products or waste materials.
3. Sanitary landfill and demolition materials only if large metal, wood or other high strength objects of 1"-6" (25-150 mm) in size are frequently encountered.

Remember, roller guards should only be used to keep foreign objects out, not for their increased track guiding contribution.

The Disadvantages of using Roller Guards in the wrong conditions or for the wrong reasons are these:

1. **Difficulty in measuring, inspecting and maintaining rollers.**
2. **Help keep packing material in — doesn't help keep it out.**
3. **May unnecessarily increase wear on link rail sides, pin bosses and on pin ends.**

Management & Merchandising

Introduction to Track Management

Track management objectives:

1. Match pin and bushing life with link life by turning or replacing bushings if needed.
2. Match track roller life to link life by swapping rollers if needed.
3. Match shoe life to link life by regrousering or replacing if needed.
4. Time these maintenance actions to achieve lowest cost per hour and/or least loss of machine production.

The link is the base or core component to which other components should be matched, either through design or management. Track management is related to ratio of expected life between the pins and bushings, track rollers, and links.

Other considerations such as the management of unbalanced roller, carrier roller and/or idler wear rates as to optimize the basic track management objectives are discussed in the sections dedicated to those components and/or in the appropriate model family sections.

Destruction Wear Limits

The component wear charts always display the wear measurements to 120 percent worn. This wear point, frequently described as the destruction point, can be projected to occur at 120 percent of projected life.

As a general guideline, the undercarriage may begin to fail or 'destruct' near this 120 percent wear point. However, the undercarriage (except for bushings) may operate well beyond 120 percent worn before 'destruction' actually occurs. This depends on several factors including application, underfoot conditions, past experience, and customer resistance to downtime.

When running to destruction, it is important to leave the parts on the machine as long as possible to minimize the cost per hour. Use the following guidelines when performing an undercarriage inspection near 120 percent worn to determine if the parts should continue to operate or be replaced.

Component	Failure Mode
Links	Cracking, pin and bushing loosening, pin boss damage
Bushings	Cracking
Shoes	Cracking, bending, loss of traction
Idlers	Cracking, damage to track bushings
Carrier Rollers	Cracking, damage to track bushings
Track Rollers	Cracking, damage to track bushings, link pin bosses, and/or roller flanges

Track Seal Replacement Recommendations

Good track seal maintenance practices assure maximum life for tracks. Use the following guidelines for determining when to replace track seals.

Rigid Track Seals

All track type machines with Sealed & Lubricated Track currently use Rigid Track Seals. This type of seal has excellent sealability, but its life is limited, eventually allowing oil to leak and joints to become dry. To maximize undercarriage life, replace these seals according to the intervals in the following chart.

Post Turn Seals

This type of seal, introduced first on the D11, was designed for use during a pin & bushing turn or track reseal. Post Turn Seals are smaller in diameter than standard seals so that they seal against an unused bushing surface away from the original seal groove.

Use Post Turn Seals when bushing end grooving does not exceed the limit of the 4C8613 (formerly 8T9291) end grooving gauge. If bushing end grooving exceeds the limit of this gauge, replace the bushing using a new standard seal.

Elevated sprocket machines: D4H - D7R
Low sprocket machines: D3 - D7G, 943 - 973 and 933 - 977

Projected Bushing Life to 100% Worn	Track Seal Recommendation**
0 to 2,000 SMU	**Reuse** seals during bushing turn.
2,000 to 4,000 SMU	**Replace** seals during bushing turn.
4,000 to 6,000 SMU	**Replace** seals at 4,000 SMU intervals. Consider turning bushings before 100% wear.*
6,000 SMU and greater	**Replace** seals at 4,000 SMU intervals.

Elevated sprocket machines: D8L - D11R (Except Sleeve Bearing Track)
Low sprocket machines: D8 - D9H

Projected Bushing Life to 100% Worn	Track Seal Recommendation**
0 to 4,000 SMU	**Replace** seals during bushing turn.
4,000 to 6,000 SMU	**Replace** seals at 4,000 SMU intervals. Consider turning bushings before 100% wear.*
6,000 SMU and greater	**Replace** seals at 4,000 SMU intervals.

D11N, D11R with Sleeve Bearing Track

Projected Bushing Life to 100% Worn	Track Seal Recommendation**
0 to 6,000 SMU	**Replace** seals during bushing turn.
6,000 to 8,000 SMU	**Replace** seals at 6,000 SMU intervals. Consider turning bushings before 100% wear.*
8,000 SMU and greater	**Replace** seals at 6,000 SMU intervals.

* The decision whether or not to turn bushings (versus reseal only) before 100% wear should depend on projected link life. For example, if projected link life for a D8R is less than 8,000 SMU, achieve full link life with a bushing turn at 4,000 SMU even if the bushings are only 50% worn. If projected link life is over 8,000 SMU, a cost per hour analysis should determine whether to turn bushings or to reseal at 4,000 SMU.

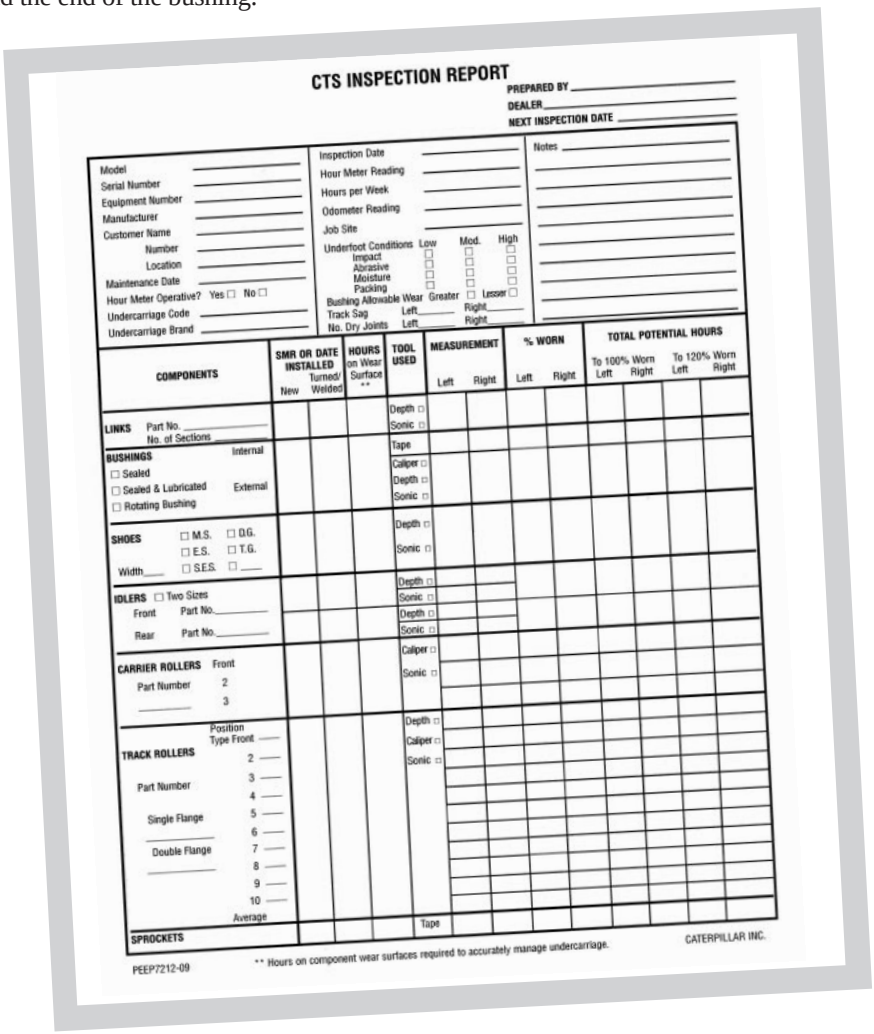
** EXCEPTION: When a bushing is replaced, always replace the seals used with that bushing.

NOTE: Average track seal life is about 4,000 SMU, but life varies considerably depending on application and underfoot conditions. Actual seal life ranges from as low as 2,000 SMU to over 5,000 SMU. Generally, seal life will be shorter on machines working in severe conditions. To maximize pin & bushing life, around 3,500 SMU begin checking on a regular basis for dry joints. Resealing should be considered if joints become dry.

Crescent Track Seals (noncurrent)

This type of seal provides adequate sealability. Reuse crescent seals because of established wear patterns between the seal and the end of the bushing.

Always reuse crescent track seals at bushing turn time.



CTS INSPECTION REPORT

PREPARED BY _____
DEALER _____
NEXT INSPECTION DATE _____

Model _____
Serial Number _____
Equipment Number _____
Manufacturer _____
Customer Name _____
Number _____
Location _____
Maintenance Date _____
Hour Meter Operative? Yes ☐ No ☐
Undercarriage Code _____
Undercarriage Brand _____

Inspection Date _____
Hour Meter Reading _____
Hours per Week _____
Odometer Reading _____
Job Site _____
Underfoot Conditions Low Med. High
Impact ☐ ☐ ☐
Abrasive ☐ ☐ ☐
Moisture ☐ ☐ ☐
Packing ☐ ☐ ☐
Bushing Allowable Wear Greater ☐ Lesser ☐
Track Sag Left _____ Right _____
No. Dry Joints Left _____ Right _____

Notes _____

COMPONENTS	SMR OR DATE INSTALLED New	Turned/ Welded	HOURS on Wear Surface **	TOOL USED	MEASUREMENT Left	Right	% WORN Left	Right	TOTAL POTENTIAL HOURS To 100% Worn Left	Right	To 120% Worn Left	Right
LINKS Part No. _____ No. of Sections _____				Depth ☐ Sonic ☐								
BUSHINGS Internal ☐ Sealed ☐ Sealed & Lubricated External ☐ Rotating Bushing				Tape Caliper ☐ Depth ☐ Sonic ☐								
SHOES ☐ M.S. ☐ D.G. ☐ E.S. ☐ T.G. Width____ ☐ S.E.S. ☐ ____				Depth ☐ Sonic ☐								
IDLERS ☐ Two Sizes Front Part No._____ Rear Part No._____				Depth ☐ Sonic ☐ Depth ☐ Sonic ☐								
CARRIER ROLLERS Front Part Number 2 _____ 3				Caliper ☐ Sonic ☐								
TRACK ROLLERS Position Type Front 2 3 4 5 6 7 8 9 10 Average Part Number Single Flange _____ Double Flange _____				Depth ☐ Caliper ☐ Sonic ☐								
SPROCKETS				Tape								

PEEP7212-09

** Hours on component wear surfaces required to accurately manage undercarriage.

CATERPILLAR INC.

CTS Inspection Report

The Custom Track Service Inspection Report provides a convenient format for recording information and computed values that are important to report undercarriage condition to the user. It also acts as a history record of past conditions and recommendations. The exact format is not as important as accurately calculating and completely recording all data. The Caterpillar form shown here is used for illustrative purposes because it contains most of the important elements required to perform the above functions. A discussion on it and the use of Total Life Scales and Recommendation Checklist, printed on the back of the Caterpillar form follows.

How to Fill-Out CTS Inspection Report Using Caterpillar Form as Example*

1. **Customer and Machine Information**
2. **Component History** — This section should be filled in from history records prior to the inspection. It should reflect date(s) or meter reading(s) which will allow calculations of hours on the parts. Lines are provided next to the track roller positions to enter a flange type for each roller. Use “S” for single flange and “D” for double flange as installed on the machine.
3. **Inspection Information** — Meter reading is used to determine hours on parts. Hours per week is for expected future usage of the machine and is used for projecting and scheduling alternative actions.

   The notes section is for any additional information pertinent to the inspection which is not on this form. Major recommendations to the user may also be included on the reverse side of the CTS Inspection Form.

   Record the measurement of each component to the closest 0.01" (0.1 mm) for the left and right side of the machine.
4. **Calculated Data** — Hours on Wear Surface is very important data and may be calculated by subtracting the hours or date installed from the current hour meter reading. Without knowledge of the component hours, no projection of total potential will be possible even when percent worn is determined.

   Percent Worn is obtained by using the measurement and the appropriate impact or allowable wear ratings from the wear chart portion of this handbook.

   Total Potential Hours to Service Point (100 percent worn) are calculated by dividing the hours on wear surface by the percent worn. This will give the potential to the service limit assuming constant conditions. It may not be reliable using percent worns less than 30 percent.

   Total Potential Hours to 120 percent Worn are calculated by multiplying the total potential hours to 100 percent worn by 1.2.

   A line is provided to show the calculated average of track roller data. This line is used to determine track roller swapping considerations.

* Refer to example on next page.

INSPECTION REPORT

CTS INSPECTION REPORT

PREPARED BY _____

DEALER _____

NEXT INSPECTION DATE _____

Model _____
Serial Number _____
Equipment Number _____
Manufacturer _____
Customer Name (1) _____
Number _____
Location _____
Maintenance Date _____
Hour Meter Operative? Yes ☐ No ☐
Undercarriage Code _____
Undercarriage Brand _____

Inspection Date _____
Hour Meter Reading _____
Hours per Week _____
Odometer Reading _____
Job Site _____

Underfoot Conditions	Low	Mod.	High
Impact	☐	☐	☐
Abrasive	☐	☐	☐
Moisture	☐	☐	☐
Packing	☐	☐	☐

Bushing Allowable Wear Greater ☐ Lesser ☐
Track Sag Left _____ Right _____
No. Dry Joints Left (3) Right _____

Notes _____

COMPONENTS	SMR OR DATE INSTALLED New	SMR OR DATE INSTALLED Turned/ Welded	HOURS on Wear Surface **	TOOL USED	MEASUREMENT Left	MEASUREMENT Right	% WORN Left	% WORN Right	TOTAL POTENTIAL HOURS To 100% Worn Left	To 100% Worn Right	To 120% Worn Left	To 120% Worn Right
LINKS Part No. _____ No. of Sections _____				Depth ☐ Sonic ☐								
BUSHINGS Internal ☐ Sealed (2) ☐ Sealed & Lubricated External ☐ Rotating Bushing			(4)	Tape Caliper ☐ Depth ☐ Sonic ☐								
SHOES ☐ M.S. ☐ D.G. ☐ E.S. ☐ T.G. Width____ ☐ S.E.S. ☐ ____				Depth ☐ Sonic ☐					(4)			
IDLERS ☐ Two Sizes Front Part No._____ Rear Part No._____				Depth ☐ Sonic ☐ Depth ☐ Sonic ☐								
CARRIER ROLLERS Front Part Number 2 _____ 3				Caliper ☐ Sonic ☐								
TRACK ROLLERS Position Type Front 2 3 4 5 6 7 8 9 10 Average Part Number Single Flange _____ Double Flange _____				Depth ☐ Caliper ☐ Sonic ☐								
SPROCKETS				Tape								

PEEP7212-09

** Hours on component wear surfaces required to accurately manage undercarriage.

CATERPILLAR INC.

Calculations

The object of CTS calculations is to project time remaining on components to their 100 percent worn (service point) and/or 120 percent worn. Simply determining percent worn is only the first step. Projecting service points allows you to schedule downtimes, increase machine availability and reduce the customer's cost per hour.

The sequence of steps to project service points is as follows:

1. Determine percent worn (to service point) from charts in CTS Handbook.
2. Determine hours now on parts — will need hour meter reading during CTS inspection and hour meter reading when undercarriage components were installed.
3. Determine total "potential" hours for part to its service point by dividing hours now (on part) by percent worn now:

   Example:
   500 SMU now ÷ .25 (25% worn)
   = 2000 SMU
   (total potential to 100% worn)
4. Determine the potential hours for the part if it were run to 120 percent worn by multiplying the SMU to 100 percent worn times 1.2:

   Example:
   2000 SMU x 1.2 = 2400 SMU
   (total potential to 120% worn)
5. Find the hours left on the part until it would reach its total potential by subtracting hours now (on part):

   Example:
   2000 - 500 = 1500 SMU
   (remaining until 100% worn)

   Example:
   2400 - 500 = 1900 SMU
   (remaining until 120% worn)
6. Note the part, component or system with the lowest total potential or fewest hours left. Calculate the time in weeks or months until reinspection, replacement or service are needed.

INSPECTION REPORT

RECOMMENDATION CHECKLIST AND TOTAL LIFE SCALES

ITEM	AT SMU or DATE
LINK ASSEMBLY:	
REPAIR DRY JOINTS	
TURN PINS & BUSHINGS	
REPLACE PINS & BUSHINGS	
TURN BUSHINGS WET	
REPLACE BUSHING/SEALS	
TURN BUSHINGS DRY	
SWAP SIDES	
REPLACE WITH NEW	
ADJUST TENSION ☐	
SHOES:	
REGROUSER	
REPLACE WITH NEW	
TYPE:_____ LENGTH:_____	
IDLERS:	
WELD TREADS	
SWAP SIDES	
SWAP FRONT/REAR	
REPLACE WITH NEW	
WELDED EXCHANGE AVAILABLE ☐	
CARRIER ROLLERS:	
RESHELL	
SWAP SIDES	
SWAP FRONT/REAR	
REPLACE WITH NEW	
EXCHANGE AVAILABLE ☐	

ITEM	POSITION	AT SMU or DATE
TRACK ROLLERS:	F 2 3 4 5 6 7 8	
WELD TREAD (✔)	☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	
RESHELL (✔)	☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	
SWAP-L. HAND*	— — — — — — — —	
SWAP-R. HAND*	— — — — — — — —	
SWAP-L. TO R*	— — — — — — — —	
*WRITE-IN NEW POSITIONS		
SPIN IN PLACE (✔)	☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	
TRIM FLANGES (✔)	☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	
REPLACE WITH NEW (✔)	☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	
EXCHANGE AVAILABLE:	WELDED ☐ RESHELLED ☐	
SPROCKETS/SEGMENTS:		
REPLACE AT TURN ☐ REUSE AT TURN ☐ TIME		
REPLACE AT PIN/BUSHING REPLACEMENT TIME		
REPLACE AT NEW LINK ASSEMBLY TIME		
GUARDS:		
GUIDING - END ☐ CENTER ☐		
REPLACE WEAR STRIPS		
REPLACE ASSEMBLIES		
ROLLER/ROCK		
REMOVE		
REPLACE		
FINAL DRIVE/SPROCKET		
REPLACE WEAR SHOE/STRI P		
OTHER:		
ROLLER FRAME - ALIGN/STRAIGHTEN		
BOGIE PADS - REPLACE		
HYDRAULIC ADJUSTER - REPAIR		

OPTION 1						OPTION 2					
LINKS						LINKS					
BUSHINGS						BUSHINGS					
SHOES						SHOES					
IDLERS						IDLERS					
FRONT						FRONT					
REAR						REAR					
CARRIER ROLLERS						CARRIER ROLLERS					
TRACK ROLLERS						TRACK ROLLERS					
WORST						WORST					
SWAPPED						SWAPPED					

CUSTOM TRACK SERVICE

The Total Life Scale

A Total Life Scale provides a simple, convenient, way of expressing the measured and calculated values from the CTS inspection report and subsequent recommendations in pictorial form. More than one Total Life Scale may be used to compose two or more of the following for as many undercarriage components as desired:

1. Sealed Track inspection, wear life and maintenance rebuild history(s).
2. Sealed Track inspection, wear life and maintenance rebuild projection(s).
3. Sealed and Lubricated Track inspection, wear life and maintenance/rebuild history(s).
4. Sealed and Lubricated Track inspection, wear life and maintenance/rebuild projection(s).
5. Competitive undercarriage inspection, wear life and maintenance/rebuild history(s) from records.

A combination of history plus projection is the most common expected use of the Total Life Scale.

In order to provide as much information possible in a limited space, a set of symbols has been developed. They are listed here for reference as used in the following examples:

Measurement — Inspection Symbols

I — percent Sealed Track Internal pin and bushing percent worn to Service Limit (Use symbol above Total Life Scale line)

E — percent Sealed Track External bushing percent worn to Service Limit

L — percent Track Links percent worn to Service Limit

R — percent Track Roller percent worn to Service Limit

CR — percent Carrier Roller percent worn to Service Limit

SH — percent Track Shoe percent worn to Service Limit

I — percent Idler(s) percent worn to Service Limit (Use symbol below Total Life Scale line)

B — percent Sealed and Lubricated Track Bushing percent worn to Service Limit

Wear Life Potential Symbols

Is & Id — Sealed Track Internal wear life potential to Service and Destruction Limits (Use symbol above Total Life Scale line)

Es & Ed — Sealed Track External wear life potential to Service and Destruction Limits

Bs & Bd — Sealed and Lubricated Track Bushing wear life potential to Service and Destruction Limits

P & Bd — Sealed Track — Pins and Bushings to Destruction Point

Ls & Ld — Track Link wear life potential to Service and Destruction Limits

Rs & Rd — Track Roller wear life potential to Service and Destruction Limits

CRs & CRd — Carrier Roller wear life potential to Service and Destruction Limits

SHs & SHd — Track Shoe Grouser wear life potential to Service and Destruction Limits

SG — Single Grouser

DG — Double Grouser

ES — Extreme Service

Is & Id — Idler tread wear life potential to Service and Destruction Limits (when used on bottom)

TOTAL LIFE SCALE

Maintenance/Rebuild/Replace Action Symbols

(M) — Measurement or Inspection Point

(T) — Sealed Track Pin and Bushing Turn

(Td) — Sealed and Lubricated Track Dry Bushing Turn

(Tw) — Sealed and Lubricated Track Wet Bushing Turn

(R-Sw) — Track Roller Swap

(CR-Sw) — Carrier Roller Swap

(I-Sw) — Idler Swap

(REB) — Link, roller, etc. (welding rebuild)

(REP) — Pin and Bushing or Bushing and Seal Replacement

(SEG) — Segment Replacement

(REG) — Regrouser Shoe

////// — Unutilized Link or other major component life remaining

(X) — Destruction of limiting track component — indicated end of effective track or other component life

(O) — Denoted action taken on component

Reconditioning and Destruction Life, as a Percentage of Original Life to Service Point

	Original Life to Service Point (Actual or Projected)	Additional Life if Reconditioned Life to Service Point (As % of Original)	Life run to destruction (As % of life to service Point)
Link	To Rebuild	80%	+20%
P&B (Sealed)* External & Internal	To Turn	80	+20-50
P&B (Sealed & Lubricated)			
External (Wet Turn)	To Turn	100 minimum	+20 minimum
Internal/External (Dry Turn)	To Turn	Cannot be expressed as a % of before turn life.	
Rollers	To Rebuild	80-100	+20
Carrier Rollers	To Rebuild	80	+20
Idler	To Rebuild	80	+20
Sprocket	To Replace	N/A	+0
Shoe	To Regrouser	80-100	+0-20

* If pins & bushings are run to destruction, then the life of any replacement pins and bushings will be only 80% of what they would have been if the replacement had been done at the service point.

Other Rules

Projecting Sealed & Lubricated Track Life From Sealed Track History — First, project Sealed Track external bushing to service point. Second, multiply external bushing life to service point by 150%. This gives external bushing life to service point for Sealed and Lubricated Track. Link life will remain constant between Sealed and Sealed & Lubricated Track.

Projecting Potential Life for a Component That Was Reconditioned Early — First, take the percent of life expected after reconditioning times component life to service point. Second, add these hours to the point where the reconditioning was actually done.

These guidelines should be considered only within the context of all user needs, objectives and your dealership's service capabilities. They are guidelines to be used only in the absence of actual experience in like conditions. They represent averages, or in some cases, ranges or minimums as indicated.

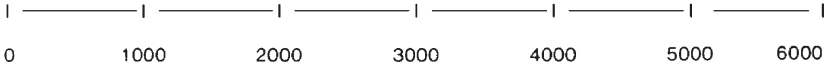
Summary of Pin/Bushing to Link Ratios

Pin/Bushing Critical Item to Link % Worn Ratios	Actions to be Taken	
	Sealed Link Assembly	Sealed & Lubricated Link Assembly
Less than 1:1 ratio	Treat like 1:1 (Sealed & Lubricated Track may not improve performance).	Treat like 1:1 ratio - will provide bushing safety factor.
Approx. 1:1	Turn P + B only if link rebuilt — expect greater ratio after turn.	Turn only if link welded. Perform when bushing or link/ roller combined reaches 100. Expect same life after turn to link destruction point.
Approx. 1.5:1	Treat like 2:1 since shorter P + B life after turn.	a) Treat like 2:1 and wet turn at bushing service point. This will give bushing life safety factor. b) Dry turn at bushing service point if no link weld to be done and if records show sufficient life of dry turn.
Approx. 2:1	Turn at service point.	Wet turn only — at bushing service point.
Between 2:1 & 3:1	Turn at C.I. service point and replace P & B at second side service point.	1. Check track tension. 2. Check rear roller condition. 3. Check shoe width. 4. Check your measurements. 5. Turn at bushing service point.
Approx. 4:1	1. Turn, replace & turn at service points of critical item. 2. Replace with Sealed and Lubricated Track.	See Above.
Above 4:1	1. Keep turning & replacing P & B until link rail/roller combination utilized as long as P & B retention justifies. 2. Replace with Sealed & Lubricated Track.	See Above.

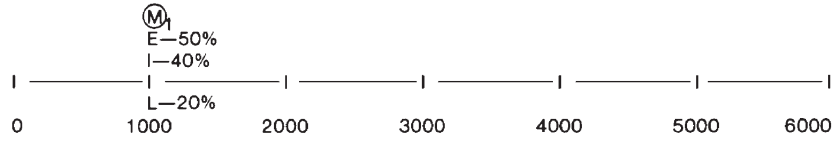
Diagraming a Total Life Scale

The normal sequence of steps to diagram a Total Life Scale is shown below:

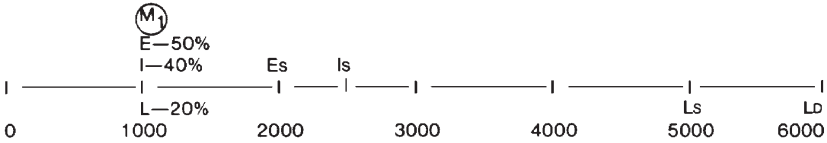
1. Choose an hour or life interval which will allow the entire potential undercarriage life to be shown. To determine the length, project the life of the least worn (longest life potential) component to destruction (double life to service point if rebuilding is an alternative) and divide this life by the number of divisions on your scale.



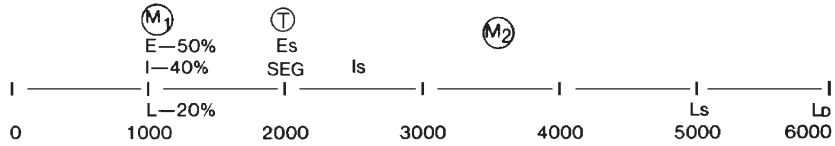
2. Determine and diagram the "percent worn" of the components at the point where the measurement was made.



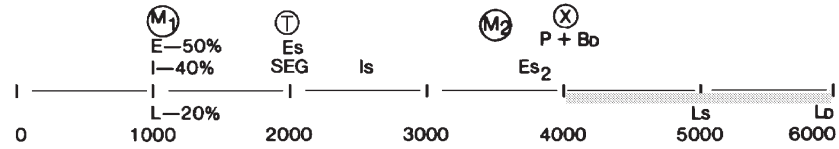
3. Determine and diagram the "potential hours" of life of each component to its service point (and to its destruction point where applicable).



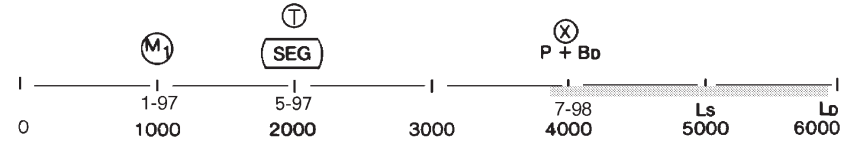
4. Determine and diagram the various alternative maintenance/rebuild/replace recommendations based on the information at this point. You may also indicate intention of M2 remeasurement and inspection at this time.



5. Determine and diagram the projected Total Life of each maintenance, rebuild and/or replacement action plus future projected visits or reinspection points. Also, indicate any unused link or when applicable, any other major component life.



6. Determine and diagram appropriate dates and calculated cost per hour to each alternative at expected rates of usage and known costs:



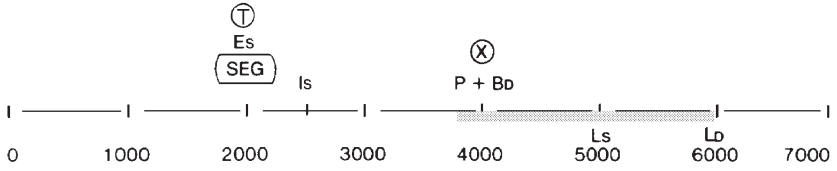
(Note: See discussion on calculating cost per hour in the following section)

TOTAL LIFE SCALE

The following example demonstrates the possible use of Total Life Scales when comparing the above Sealed Track and Segment wear life and maintenance *history* with 3 alternative projected Sealed and Lubricated Track wear life and maintenance expectations in identical conditions:

Sealed Track History

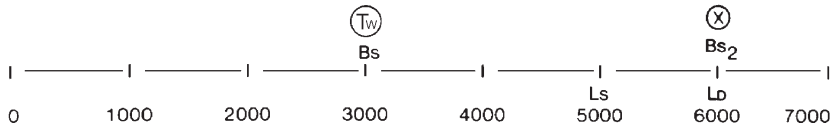
Cost/Hour = $ _____ = _____
3980 smu



(Pin and bushing turn and segment replace at 2000 SMU and run to destruction at 3980 SMU)

Sealed and Lubricated Track Projected Alternative No. 1

Cost/Hour = $ _____ = _____
6000 smu



(Wet bushing turn at 3000 SMU and run to link destruction at 6000 SMU with no additional segments required)

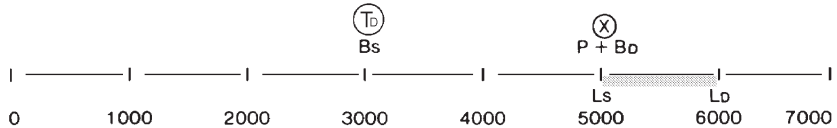
Sealed and Lubricated Track Projected Alternative No. 2

Cost/Hour = $ _____ = _____
3600 smu



(No turn — run to bushing destruction at 3600 SMU with no additional segment required)

Sealed and Lubricated Track Projected Alternative No. 3



(Dry bushing turn at 3000 SMU and run to pin and bushing destruction at 5000 SMU with no additional segments required)

Total Cost Per Hour

The most important information a Product Support Representative has to help the user manage his undercarriage investment is Total Cost Per Hour comparisons between various parts, maintenance and service alternatives.

It isn't important whether these cost per hour comparisons are based on historical or projected wear life and cost data. It is very important, though, that they are well identified and represent total life of the parts, components, groups or complete systems being compared.

A total cost per hour analysis may be as simple as comparing the original wear life alternatives of two different track shoes (regrouser or run to destruction). Or it might be as complex as to include the entire undercarriage system, with a dozen various maintenance, repair and/or replacement alternatives over the expected life of the machine.

In either case, the two important elements that must be known or estimated are:

1. Total wear or service life of the parts being compared.
2. Total investment over the entire life of the parts being compared.

For example, to compare the total cost per hour of two different track shoes, you need the total life of each shoe until it's discarded. You will also need the total user costs. These include:

Direct Costs

(Can usually be identified from documents)

1. Initial purchase price (separately or as part of the track group)
2. Removal and/or installation labor costs (if applicable)
3. Regrouser costs
   a. material
   b. labor
   c. transportation and/or handling
4. Cost of hardware related to installation and removal

Indirect Costs

(Usually hard to document)

1. Downtime resulting from installation and/or removal (if separate from track group)
2. User's labor associated with installation, removal, handling and transportation.

Finally, the total investment and expenses related to the shoes being compared should include the following investment reduction factors. These are deducted from the total of direct and indirect costs to determine the user's total net cost.

Possible Investment Cost Reductions

1. Trade-in value received by the user
2. Exchange value received by the user
3. Scrap value received by the user

The easiest way to visualize and consider all the above costs (and the comparative wear lives) is to diagram them on Total Life Scales. Here the above shoe example using a three-way comparison involving:

a. Single grouser shoe (with no regrouser) run to destruction, and replaced twice to equal the link.
b. Extreme Service shoes (with no regrouser) run to destruction and replaced once to equal the link.
c. Extreme Service shoe with one regrouser and then run to destruction to equal the link.

This example contains all the above listed costs and investment cost reductions where applicable.

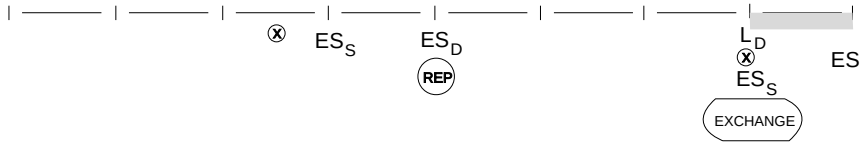
COST PER HOUR

The link life to service point and destruction point is shown for reference purposes only and is not included in the cost per hour comparison.

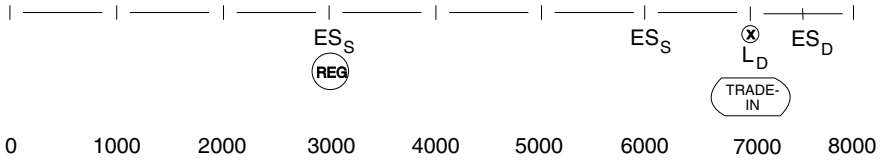
a. Single grouser shoe run to destruction and replaced twice to equal link:



b. Extreme service shoe run to destruction and replaced once to equal link:



c. Extreme service shoe run to service limit, regrouser then run to destruction to equal link:



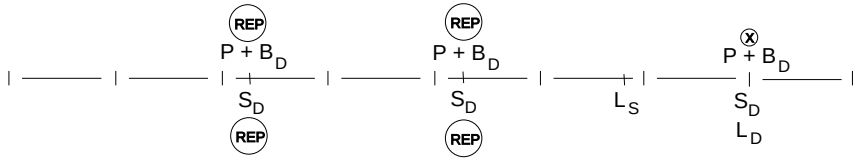
TOTAL COST PER HOUR AT	(a.)	(b.)	(c.)
INITIAL COST OF SHOES (as part of new track group)	4000	6000	6000
Cost to remove and install	(Twice)	(Once)	(None)
Labor	400	200	200
Hardware	200	100	0
Cost of Replacement Shoes	8000	6000	(None)
Cost of Regrouser	(None)	(None)	2000
Cost of Track Group Handling & Transportation	400 (Twice)	200 (Once)	0
Cost of Downtime	500 (Twice)	300 (Once)	400 (Once)
Trade-in Value	N/A	N/A	-300
Exchange Value	N/A	-800	N/A
Scrap Value	-200	N/A	N/A
Total	13,300	12,000	8,300
Total Cost/Hr. of Effective Life	$\frac{13,300}{7,000} = 1.90$	$\frac{12,000}{7,000} = 1.71$	$\frac{8,300}{7,000} = 1.19$

Total Cost Per Hour

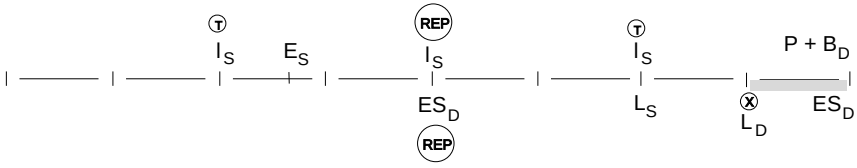
In the previous example we compared only the shoe portion of the cost per hour of the track group. Since the link life was a factor in the total effective life of the shoes it may be desirable to compare entire track group total cost per hour.

In the next example, we have added information about the required pin and bushing maintenance to obtain total cost investment for each track group alternative. Note which additional direct, indirect cost and reduction elements are added as a result.

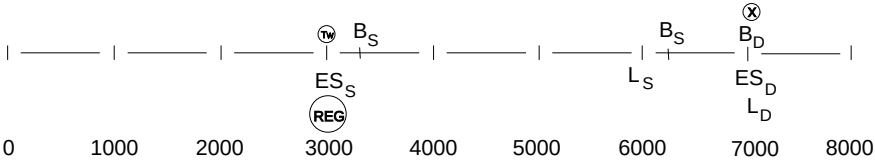
a. Sealed Track single grouser shoe with 2 pin and bushing replacements to equal link:



b. Sealed Track extreme service shoe with turn replace and turn to equal link.



c. Extreme service shoe Sealed and Lubricated Track with bushing turn only required to equal link:



COST PER HOUR

Total Cost Per Hour of New Track Groups

	(a.) 10,000	(b.) 12,000	(c.) 13,500
Cost to Replace P & B	(Twice)	(Once)	(None)
Parts	3,000	1,500	0
Labor	1,000	500	0
Cost to Turn P & B	(None)	(Twice)	(Once)
Parts		300	0
Labor		1,000	750
Cost to Replace Shoes	(Twice) 8,000	(Once) 6,000	(None)
Cost to Remove & Install Shoes	(Twice)	(Once)	(Once)
Labor	(Inc. W/P&B Rep)	(Inc. W/P&B Rep)	(Inc. W/Bush Turn)
Hardware	200	100	100
Cost to Regrouser	(None)	(None)	(In Shop) 1500
Cost of Handling & Transportation	400 (Twice)	200 (Once)	200 (Once)
Cost of Downtime	1,000 (Twice)	500 (Once)	500 (Once)
Trade in Value	N/A	N/A	-600
Exchange Value	N/A	-1600	N/A
Scrap Value	-400	N/A	N/A
Total	23,200	20,500	15,950
TOTAL Track Group Cost per hour of effective life	$\frac{23,200}{7,000\ SMU} = 3.31$	$\frac{20,500}{7,000\ SMU} = 2.93$	$\frac{15,950}{7,000\ SMU} = 2.28$

This comparison could be expanded to include respective segment, roller, carrier roller, idler and other wear part costs over the same link life or compared individually over their own respective and effective total wear lives.

You're a Product Support Representative visiting a customer about undercarriage management. The customer understands the high quality of Cat undercarriage, but needs to be convinced that it represents a greater value than competitive undercarriage. The computerized version of Custom Track Service can help. This software program helps you and the customer make informed decisions by calculating percent worn, projecting life, and estimating the cost per hour of various options.

How It Works

You can measure and store up to 64 machines at a time with the Ultrasonic Wear Indicator, then plug a cable into your laptop computer and download all the measurements into the computer program. It takes about 1 second per machine. Calculations that previously required hours now take just a few minutes.

The program is designed for field or office use, at a customer location or in a dealer office. It was built to provide integration with your dealer server and the Dealer Business System (DBS).

Numerous reports, including Custom Track Service forms and graphs can be printed for or e-mailed to customers to help them understand the value and professionalism of your services. The program will calculate the expected life of the undercarriage, using wear charts from the CTS Handbook. A variety of cost per hour analysis can easily be calculated to explore different maintenance and repair options with the customer.

Features

- Provides over 20 different report options.
- Stores virtually unlimited number of machines, inspections and service histories.
- Maintains a callback schedule for future undercarriage inspections.
- Eliminates manual entry of data by importing directly from the Ultrasonic Wear Indicator.
- Improves quality and reduces time by exporting previous inspections to the Ultrasonic Wear Indicator.
- Allows you to compare various maintenance alternatives so you can identify the lowest cost per hour.
- Integrates with DBS to import parts and service prices and customer information.
- Screens are available in English, French, German, Portuguese, Spanish, and Japanese.

To Order

Dealer License: JERC7100
Copies of the CD: JERC7102

COMPETITIVE MACHINE UNDERCARRIAGE CONVERSION

Conversion to Caterpillar undercarriage is a commonly accepted practice among many owners of competitive track-type tractors, loaders and excavators.

Why Consider Undercarriage Conversion?

Customers convert to Cat undercarriage for many reasons including:

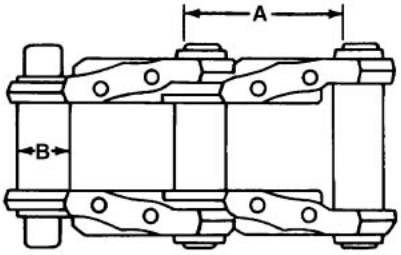
- Lower cost per hour
- Dealer Undercarriage Management Program (CTS)
- Caterpillar product innovations
- Consistent parts quality
- Expertise of Caterpillar dealer
- Full quality repair, service
- Unmatched parts availability
- Caterpillar dealer is their One Safe Source for undercarriages
- Better parts price than many OEMs

Converting a machine to Cat undercarriage can be as simple as wrapping a track group on the competitive machine, or as extensive as changing the track, sprocket and rolling components. Some competitive machines require no modification at all while a few require extensive modification. (Reference IRM UC96-12)

Determining Basic Convertibility In The Field

Basic convertibility is defined as installing a Cat track group with minimum, if any, modification to the machine. This may or may not require a change to Cat sprockets. Basic convertibility can be quickly and easily determined in the field using only four measurements.

Track Group Convertibility

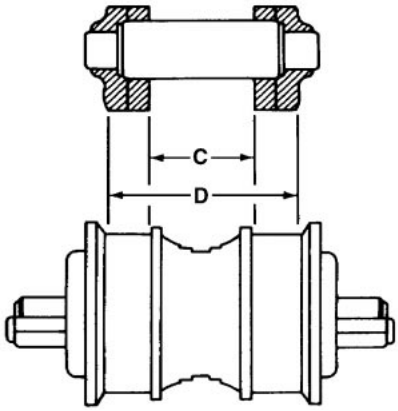


Measure

A. — Pitch
B. — Bushing O.D.

Result

These two dimensions determine if change to Cat sprocket is required.



Measure

C. — Inside Rail Spread
D. — Outside Rail Spread

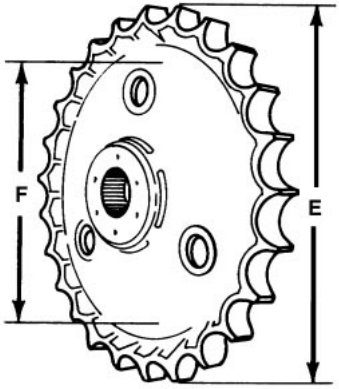
Result

These two dimensions determine if change to Cat rolling components is required.

Pitch may vary by + or - .03" (.8 mm) and the Cat bushing O.D. may be smaller by .12" (3 mm). Rail spreads must fit within outside roller flanges and clear inside flange if double flange rollers are used.

Sprocket Convertibility

If change to Cat sprocket is necessary or desirable, a weld-on rim or adapter is required. Overall tip diameter and weld surface diameter available should be measured.



Measure	Result
E. — Tip Diameter	This dimension determines appropriate Cat adapter or rim.
F. — Weld Surface	This dimension helps determine if adequate material is available to weld on Cat rim or adapter.

Overall diameter of Cat sprocket (E) must clear competitive machine roller frame, guards, etc. Weld surface diameter (F) must allow for cutting competitive machine hub to appropriate Cat rim or adapter weld dimension. Care should be taken to assure sprocket remains in line with rollers when converting to Cat segments or rims.

Track Roller, Carrier Roller and Idler Convertibility

If change to Cat track roller and/or other rolling components is either necessary or desirable, some component removal may be required to obtain accurate measurements for comparison to Cat dimensions. Refer to "Undercarriage Conversion Reference Guide" form number PEGP2806 for additional assistance. Modification to the mounting bolt holes or the track roller end collars may be required.

For further details on conversion procedure and modification, refer to the following conversion information source:

Undercarriage Report
Form/Worksheet PEEP0210
IRM UC96-12

Elevated Sprocket Machines

Introduction

The D8R through D11R use an exclusive undercarriage design to increase machine productivity and improve serviceability. The bogie mounted rollers and idlers allow for better traction, reduced impact loading and a better ride. The result is greatly increased productivity.

Elevated sprockets on D4H through D11R remove the final drives from abrasives and damaging implement loads. Final drive life has doubled and steering clutch/brake life has nearly tripled. Final drive repair times are shorter because roller frames do not have to be removed. For example, D9L final drive modules can be removed and installed in only five hours versus 45 hours on a D9H or Komatsu D355.

This innovative design results in undercarriage wear patterns different from those found on low sprocket track-type tractors. Different wear patterns require different management guidelines. These guidelines are reviewed on the following pages.

Link Assembly Identification Code Markings

A uniform identification marking system has been adopted to improve follow-up reporting and warranty tracking of link assembly performance. For all models, locate the second full link from the bushing end (prior to 1991, the pin end) of the master link. The identification code is stamped on the shoe pad surface on the right hand link (as viewed during track press work).

The code is alpha-numeric (eg. AC210Y04). For details of code interpretation see IRM UC87-30.

Undercarriage Identification

The easiest way to identify track is to read the part number forged into the link. The following list cross references link part numbers to the wear chart pages.

Model	Pitch	Link Part Number	Wear Chart Pages
D4H D5M, D5N 561M, 561N	6.75" (171.5 mm)	108-0947 & 48 6Y9261 & 62	110-129
D5H D6M, D6N 517	7.50" (190.5 mm)	106-1625 & 26 6Y9267 & 68	130-147
D6H, D6R 527	8.00" (203.2 mm)	8E7405 & 06 8E2355 & 56 195-6515 & 16	148-166
D7H, D7R 572R	8.50" (215.9 mm)	6I9239 & 40 9G2417 & 18	168-187
D8L, D8N, D8R 578 583R	8.50" (215.9 mm)	8E4505 & 06 8E4513 & 14	188-201
D9L 589	9.00" (228.6 mm)	7T7629 & 30 7T4137 & 38	212-219
D9N, D9R	9.45" (240 mm)	7T2275 & 26 9W2743 & 44	202-211
D10	10.25" (260.4 mm)	9W5723 & 24 9W5933 & 34	228-235
D10N, D10R	10.25" (260.4 mm)	7T0715 & 16 9W5265 & 66	220-227
D11N, D11R	12.50" (317.5 mm)	200-6325 & 26 6T8049 & 50	236-244

Computer CTS Codes

Use the following undercarriage codes for computerized CTS:

Track-Type Tractors

Model	Undercarriage Code	Description
D4H	C120	SALT - 9G & 6Y Links - Small Stepped Bushings (56.6 mm) - Rollers with Retainers
D4H	C12002	SALT - 6Y Links - Large Stepped Bushings (60.7 mm) - Rollers with Retainers
D4H	C1201	SALT - 9G & 6Y Links - Small Stepped Bushings (56.6 mm) - Rollers with End Collars
D4H	C12012	SALT - 6Y Links - Large Stepped Bushings (60.7 mm) - Rollers with End Collars
D4H	C1208	H.D. Track - 1080947-8 Links - Rollers with Retainers
D4H	C121	H.D. Track - 1080947-8 Links - Rollers with End Collars
D4H	C124	H.D. Track - 1080947-8 Links - Tall Flange Double Flange Rollers
D5M	C1248	SALT - 6Y9261-2 Links - Small Stepped Bushings (56.6 mm) - Rollers with End Collars
D5M	C12482	SALT - 6Y9261-2 Links - Large Stepped Bushings (60.7 mm) - Rollers with End Collars
D5M	C125	H.D. Track - 1080947-8 Links - Rollers with End Collars
D5M	C1251	H.D. Track - 1080947-8 Links - Rollers with End Collars - Extended Life Idlers
D5M	C128	H.D. Track - 1080947-8 Links - Tall Flange Double Flange Rollers
D5N	C129	H.D. Track - 1080947-8 Links
D5N	C1291	H.D. Track - 1080947-8 Links - Tall Flange Double Flange Rollers
D5H	C132	SALT - Rollers with Retainers
D5H	C133	SALT - Rollers with End Collars
D5H	C1338	H.D. Track - 1061625-6 Links - Rollers with Retainers
D5H	C137	H.D. Track - 1061625-6 Links - Rollers with End Collars
D5H	C140	H.D. Track - 1061625-6 Links - Tall Flange Double Flange Rollers
D6M	C1408	SALT - Rollers with End Collars
D6M	C141	H.D. Track - 1061625-6 Links - Rollers with End Collars
D6M	C1411	H.D. Track - 1061625-6 Links - Rollers with End Collars - Extended Life Idlers
D6M	C144	H.D. Track - 1061625-6 Links - Tall Flange Double Flange Rollers
D6N	C146	H.D. Track - 1061625-6 Links
D6N	C1461	H.D. Track - 1061625-6 Links - Tall Flange Double Flange Rollers
D6H	C150	SALT - 8E2355-6 Links
D6H	C153	H.D. Track - 8E7405-06 Links
D6H	C156	Project 1 Undercarriage - 2183294 Link
D6H	C157	H.D. Track - 8E7405-6 Links - Tall Flange Double Flange Rollers
D6R	C1578	SALT - 8E2355-6 Links
D6R	C158	H.D. Track - 8E7405-06 Links
D6R	C1581	H.D. Track - 8E7405-06 Links - Extended Life Idlers
D6R	C163	H.D. Track - 8E7405-6 Links - Tall Flange Double Flange Rollers
D6R	C1634	Project 1 Undercarriage - 2183294 Link
D6R	C1635	Project 1 Undercarriage - 2183294 Link - Extended Life Idlers
D7H	C164	SALT - 9G2417-18 Links - Rollers with Retainers
D7H	C1641	SALT - 9G2417-18 Links - Rollers with End Collars
D7H	C1642	H.D. Track - 6I9239-40 Links - Rollers with Retainers
D7H	C166	H.D. Track - 6I9239-40 Links - Rollers with End Collars
D7H	C169	H.D. Track - 6I9239-40 Links - Tall Flange Double Flange Rollers

continues on next page

Computer CTS Codes (cont'd)

	Model	Undercarriage Code	Description
Track-Type Tractors	D7R	C1698	SALT - 9G2417-18 Links - Rollers with End Collars
	D7R	C170	H.D. Track - 6I9239-40 Links - Rollers with End Collars
	D7R	C1701	H.D. Track - 6I9239-40 Links - Rollers with End Collars - Extended Life Idlers
	D7R	C173	H.D. Track - 6I9239-40 Links - Tall Flange Double Flange Rollers
	D8L	C178	D8N Undercarriage on D8L machines
	D8L	C182	D8N Undercarriage on D8L machines
	D8N	C180	Former Shoes
	D8N	C183	Current High Wear Life Shoes
	D8R	C184	All
	D9L	C194	All
	D9N	C195	All
	D9R	C196	All
	D10	C207	All
	D10N	C208	All
	D10R	C209	All
	D11N	C220	6T8049-50 Links
	D11N	C2203	Optional 2006325-26 Links & Large Single Flange Rollers
	D11R	C221	6T8049-50 Links
	D11R	C2213	Optional 2006325-26 Links & Large Single Flange Rollers
Pipelayers	561	C104	1P & 3P Links - Conventional Undercarriage
	561	C105	7T Links - Extended Life Undercarriage
	561H	C110	SALT - 9G & 6Y Links - Small Stepped Bushings (56.6 mm) - Rollers with Retainers
	561H	C11002	SALT - 6Y Links - Large Stepped Bushings (60.7 mm) - Rollers with Retainers
	561H	C1101	SALT - 9G & 6Y Links - Small Stepped Bushings (56.6 mm) - Rollers with End Collars
	561H	C11012	SALT - 6Y Links - Large Stepped Bushings (60.7 mm) - Rollers with End Collars
	561H	C1108	H.D. Track - 1080947-8 Links - Rollers with Retainers
	561H	C111	H.D. Track - 1080947-8 Links - Rollers with End Collars
	561M	C1121	H.D. Track - 1080947-8 Links - Rollers with End Collars
	561M	C1122	H.D. Track - 1080947-8 Links - Rollers with End Collars - Extended Life Idlers
	572R	C174	H.D. Track - 6I9239-40 Links - Rollers with End Collars
	572R	C1741	H.D. Track - 6I9239-40 Links - Rollers with End Collars - Extended Life Idlers
	578	C1785	All
	583R	C179	All
	589	C193	All
Track Skidders	517	C280	Standard Rollers
	517	C281	Tall Flange Double Flange Rollers
	527	C290	Standard Bushings (72.75 mm)
	527	C2901	Optional Bushings (80 mm)
	527	C291	Standard Bushings & Tall Flange Double Flange Rollers

Variables That Affect Wear Life

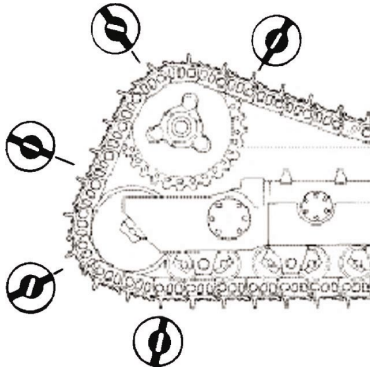
See pages 11 through 25 for details on the effects of:

	Page
Controllable Variables	11
Track Adjustment	11
Shoe Width	12
Alignment	14
Non-Controllable Variables	21
Soil & Underfoot Conditions	21
Underfoot Conditions	22
Partially Controllable Variables	25

Components

Sealed and Lubricated Track

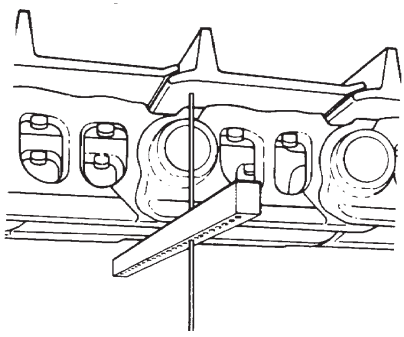
Sealed and Lubricated Track is used exclusively on the elevated sprocket tractors because internal pin and bushing wear, found in Sealed Track, would be accelerated on these models.



On low sprocket track-type tractors with Sealed Track, internal pin and bushing wear occurs in one position. The elevated sprocket design has three positions where internal pin and bushing wear would occur if it used Sealed Track. Sealed and Lubricated Track reduces internal pin and bushing wear as a maintenance consideration. The only time internal pin and bushing wear can occur is when a track joint loses its lubricant. If a track joint goes dry on a machine with elevated sprockets, internal pin and bushing wear may soon become critical. Therefore, on the elevated sprocket tractors, we recommend that operators inspect the track weekly for dry joints. Use the procedure on page 101 of this section.

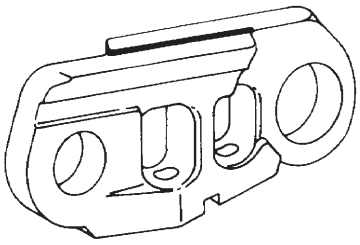
Links

See pages 28 through 35 for detailed link information.

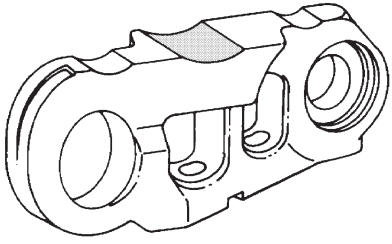


Measurement — Measure the track link over the centerline of the pin and bushing bores. See page 28 for details.

Link Allowable Wear — Two-level allowable wear percent worn charts are provided for the D8 through D11. The **high impact** column should be used for machines which could experience link structural failure due to extremely high link rail projected wear life. The **low-moderate impact** column should be used for all other conditions. As an example, you may learn that for some applications/underfoot conditions in your territory, the D10N link will have structural problems at 8-9,000 hours. For these machines, if the projected link life using the low impact chart exceeds 8-9,000 hours, the high impact percent worn column should be used.



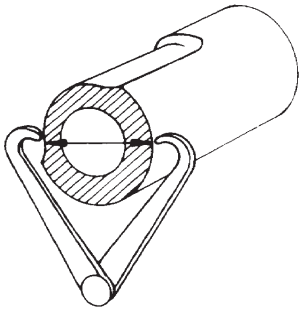
Wear Patterns — The undercarriage design of elevated sprocket machines and the absence of "snakiness" in Sealed and Lubricated Track allow it to "track" very straight. This straight tracking causes the roller to wear with a slight ridge running down the center of the tread. This ridge results from less wear occurring on the center of the roller tread as it passes over the links in their overlap area. The ridge on the roller may in turn wear a groove down the center of the link rail. This wear pattern is normal for these machines. It may occur less often on machines with non-suspended undercarriage. D9R, D10R, and D11R machines with improved alignment undercarriage also minimize or eliminate this wear pattern.



As elevated sprocket undercarriage wears, a larger scallop develops over the link strut than on oval undercarriage machines. This is because the track link goes around two idlers instead of one. This wear is not considered critical. Evaluate link wear based on wear directly over the pin area.

Split Master Links — Use the assembly procedures on page 33 for split master links. Refer to "Shoes" on the following page for bolt torque specifications.

Pins and Bushings



Elevated Sprocket Machines use Sealed and Lubricated Track. See pages 36 through 43 for details. The following points are specifically for elevated sprocket machines:

Measurement — Use the caliper or the Ultrasonic Wear Indicator to measure all three bushing contact sides: forward, reverse, and vertical. Use the most worn position to make projections. This practice is necessary because wear can occur in all three positions, depending on the degree of packing. The depth gauge should not be used before a bushing turn because it only measures vertical bushing wear. After a bushing turn, the depth gauge can be used to approximate wear based on the vertical dimension.

Bushing Allowable Wear — Bushing allowable wear is based on the remaining strength to resist cracks. For low sprocket machines, the choice between two allowable wears is based on high or low impact conditions because the sprocket is close to the ground and subject to impact.

The choice between the two allowable wears for elevated sprocket machines is different because the sprocket is not subject to impact. For machines in underfoot conditions which have only fine granular materials, use the chart showing the greater allowable wear. For all other conditions use the chart with lesser allowable wear.

Dry Joints — Link assemblies should be checked weekly for dry joints. This should be done by lightly touching the pin end or bushing after a machine has been working. A dry pin or bushing will be relatively warmer from metal-to-metal friction.

CAUTION — the pin and bushing of a dry joint may be hot enough to burn fingers.

Warm, squeaking and kinking joints are only indicators of potential dry joints. The only positive means of determining whether a dry track joint has developed is when pitch extension occurs. The decision to remove the track from the machine should be based on pitch extension only. Measure the next pin away from the dry joint in both directions to be sure you have recorded the pitch extension correctly. The single joint pitch extension should not exceed the wear limits shown in the following chart.

Dry Joint Wear Limit

Model	New Track Pitch	Single Joint Wear Limit
D4H D5M, D5N 561M, 561N	6.75" (171 mm)	7.00" (177 mm)
D5H D6M, D6N 517	7.50" (190 mm)	7.75" (196 mm)
D6H, D6R 527	8.00" (203 mm)	8.25" (209 mm)
D7H, D7R D8L, D8N, D8R 572R 578 583R	8.50" (216 mm)	8.75" (222 mm)
D9L, 589	9.00" (229 mm)	9.25" (235 mm)
D9N, D9R	9.45" (240 mm)	9.70" (246 mm)
D10 D10N, D10R	10.25" (260 mm)	10.50" (266 mm)
D11N, D11R	12.50" (318 mm)	12.75" (324 mm)

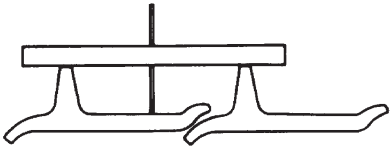
Shoe & Master Link Bolt Torque Specifications

Model	Bolt Size	Torque*	Additional Turn	
			Regular Shoe	Master Link Master Shoe
D4H D5H, D5M, D5N 561M, 561N	5/8"	130 ± 30 ft. lb. 175 ± 40 Nm	+1/3 turn	+1/2 turn
D5H D6M, D6N D6H, D6R D7H 572R 517 527	3/4"	300 ± 50 ft. lb. 400 ± 70 Nm	+1/3 turn	+1/3 turn
D7H, D7R	7/8"	250 ± 50 ft. lb. 340 ± 70 Nm	+1/3 turn	+1/3 turn
D8L, D8N, D8R 578 583R	7/8"	480 ± 50 ft. lb. 650 ± 70 Nm	+1/3 turn	+1/3 turn
D9L, D9N, D9R 589	1"	650 ± 50 ft. lb. 870 ± 70 Nm	+1/3 turn	+1/3 turn
D10 D10N, D10R	1-1/8"	650 ± 50 ft. lb. 870 ± 70 Nm	+1/3 turn	+1/2 turn
D11N, D11R	1-3/8"	1100 ± 100 ft. lb. 1500 ± 150 Nm	+1/3 turn	+1/2 turn

*Use the assembling and torque turn tightening procedures on pages 33 and 55.

Shoes

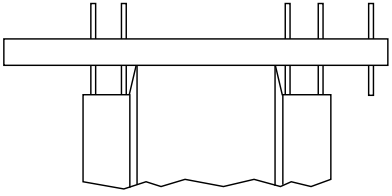
See pages 51 through 55 for detailed shoe information.



Measurement — Use the depth gauge or the Ultrasonic Wear Indicator to measure shoes.

Shoe Width — Wide track shoes are a major cause of undercarriage component failures and dry joints. See page 12 for a detailed discussion of the effects of wide track shoes.

Idlers



See pages 56 through 58 for detailed idler information.

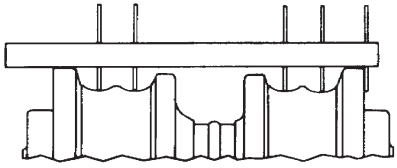
Measurement — Use the depth gauge to measure both treads of the idler. Use the same depth gauge probe positions as you use for rollers, but do not use the reference hooks. For D8 through D11 tractors, position the bar so two posts are over each tread and press the bar down. Measure the length of all four posts and use the largest measurement to determine percent worn. For D4 through D7 tractors, position the bar so that one probe is over the center of each tread. Use the average measurement to determine percent worn.

Idler Swapping — In some situations, wear between front to rear or left to right idlers may be uneven. If this occurs, follow the guidelines on page 56 to determine if a swap is necessary.

Due to differences in front and rear idler diameters, swapping is not possible on the D4H, D4H XL, D5M XL, D5N XL, D6H (serial number ranges 1KD402-661, 2TG1-543, 3YG1-556, 4GG1-465, 5HG1-441, 8FC1-717, 8FC461-964, 8YC473-UP), D8N, and D8R.

Idler Guard Wear Packages for D8R, D9R, D10R, D11R — Increase link, roller and idler wear life by up to 40% by installing flexible rubber idler guards. These guards are for use in moderate to high abrasive and low impact underfoot conditions. They work by preventing abrasive material from entering the undercarriage system. For details, reference IRM UC01-06 (PELM1002).

Track Rollers



See pages 61 through 65 for detailed track roller information. The following points are specifically for elevated sprocket tractors.

Measurement — For D8 through 11 tractors, measurement of track rollers must be done using the depth gauge or the Ultrasonic Wear Indicator. Calipers are not feasible due to close roller spacing. The depth gauge, calipers or the Ultrasonic Wear Indicator may be used on D4 through D7 tractors.

For D8 through D11 track rollers, set the farthest probe on the measurement tool as a reference hook. Set the probes in the appropriate holes for the model being measured. Position the bar across the roller so the reference hook is against the outside of the outer flange and the probes are resting on the grooves of the roller. These rollers develop wear grooves as explained on page 62. Push the bar down flush with the flanges. Then measure the exposed length of all four probes and use the average measurement

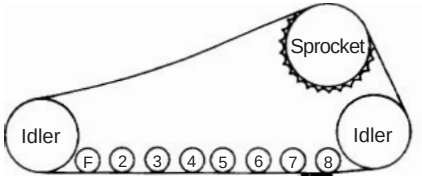
to determine percent worn. For D4 through D7 tractors, position the bar so that one probe is over the center of each tread. Use the largest measurement to determine percent worn.

Wear Charts — For undercarriage systems where links and track rollers are wearing at the same rate, you should continue to use the 100% to 120% destruction guidelines. This is due to link pin boss contact with external roller flanges or, for large machines, bushing contact with internal roller flanges.

On elevated sprocket machines, track roller wear charts extend past 120% worn to allow you to better estimate 'destruction' point. For these machines, roller wear charts extend to the point where tread wear meets the retainer bolts. For track rollers with end collars, and therefore no retainer bolts, wear charts extend to the same diameter as rollers with retainers. This is useful for machines where links are less worn than track rollers. Keep in mind that rollers, depending on application, may fail due to structure before they reach this point.

Roller Swapping — Depending on the situation, the front and/or rear rollers wear faster than the middle rollers. A swap may be necessary to extend roller life to the link service or destruction point. To determine whether a swap is necessary, follow the guidelines on page 64. The larger machines, D8 and above, have large diameter (extended wear life) single flange rollers. For these machines, keep in mind these single flange rollers can only be swapped into positions where other single flange rollers are located.

Roller Flange Sequence



From the chart which follows, you will note that the rear roller (the roller nearest the rear idler) is a single flange roller. If a double flange roller were used as the rear roller, interference could occur between the inner flange and the rear idler. Therefore, a double flange roller should **NOT** usually be placed in the rear position.

Wear Chart Design — On elevated sprocket machines, track roller wear charts extend past 120% worn to allow you to better estimate 'destruction' point. For these machines, the wear charts extend to the point where tread wear meets the retainer bolts. This is to help you better estimate when the rollers might destruct if link wear is very low or if the roller flanges have been trimmed.

For machines like the D6N, where some rollers have retainers and some have end collars, the wear charts for both types of rollers continue to the same point, even though there are no retainer bolts on the end collar rollers.

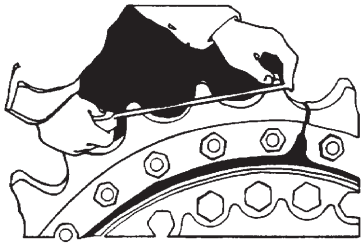
For undercarriage systems where links and track rollers are wearing at the same rate, you should continue to use the 100% to 120% destruction guidelines. This is due to link pin boss contact with external roller flanges or, for large machines, bushing contact with internal roller flanges.

COMPONENTS

	Model	Rollers Per Side	Roller Position F 2 3 4 5 6 7 8 9 10
Track-Type Tractors	D4H, D4H XL, D4H LGP D5M, D5M XL, D5M XR, D5M LGP, D5N, D5N XL	7	S D S D S D S
	D4H LGP D5M LGP, D5N LGP	8	S D S D D S D S
	D5H	6	S D S S D S
	D5H XL, D5H TSK D6M, D6N	7	S D S D S D S
	D5H LGP D6M LGP, D6N LGP	8	S D S D D S D S
	D6H, D6R	6	S D S D S S
	D6H XL, D6H XR D6R XL, D6R XR, D6R XW	7	S D S D S D S
	D6H LGP, D6R LGP	8	S D S D D S D S
	D7H, D7H LGP D7R, D7R LGP	7	S D S D S D S
	D7H XR, D7R XR	8	S D S D D S D S
	D8L*, D8N*, D8R*	8	S S D D D D S S
	D9L*, D9N*, D9R*	8	S S D D D D S S
	D10*, D10N*, D10R*	8	S S D D D D S S
	D11N*, D11R*	8	S S D D D D S S
Pipelayers	561H, 561M, 561N	7	S D S D S D S
	572R	7	S D S D S D S
	578*	10	S S D D D D D D S S
	583R*	7	D D S S D D S
	589*	10	S S D D D D D D S S
Track Skidders	517, 527	7	S D S D S D S
	517, 527	8	S D S D D S D S

*Machines where single flange rollers are larger than double flange rollers.

Sprockets



Measurement — To determine the sprocket segment percent worn, measure the minimum distance between a drive side on the original tooth and the opposite drive side of a sprocket tooth located three teeth away. It is important to note that the distance measured should be between teeth on the same segment. Avoid measuring between teeth on different segments as this may yield an incorrect measurement.

Wear Patterns — The sprockets on these machines are elevated, reducing the effects of abrasives, packing and virtually eliminates impact. Wear patterns exhibited on these sprockets are similar, but not identical, to those seen on low sprocket machines. Segment replacement is recommended at bushing turn time to reduce back-side bushing wear rate.

During early hour operation of elevated sprocket tractors, contact (scrubbing) between the track link and the side of the sprocket segment can occur. Experience has shown that this scrubbing is common and usually subsides after about 200 hours of operation. Extensive investigation indicates that the stack up of tolerances in the components of the roller frame and the final drive result in the tendency for the track to favor one side or the other of the sprocket.

Sprocket scrubbing has been observed on many machines operating in a variety of applications. Custom Track Services (CTS) data showed no detrimental effect on the wear life of the undercarriage caused by sprocket scrubbing. A similar type of contact (scrubbing) may also be observed on the track guides.

Sprocket Bolt Torques — Use the torque-turn tightening method on page 70.

Sprocket Bolt Torque Specifications

Model	Bolt Size	Torque	Additional Turn
D4H D5M, D5N D5H D6M, D6N D6R 561M, 561N 527	5/8"	130 ± 30 ft. lb. 175 ± 40 Nm	+1/3 turn
D7H, D7R D8L, D8N, D8R 572R 578 583R	3/4"	220 ± 40 ft. lb. 300 ± 50 Nm	+1/3 turn
D9 589	7/8"	650 ± 50 ft. lb. 870 ± 70 Nm	+1/3 turn
D9N, D9R	7/8"	480 ± 50 ft. lb. 650 ± 70 Nm	+1/3 turn
D10, D10N, D10R D11N, D11R	1"	650 ± 50 ft. lb. 870 ± 70 Nm	+1/3 turn
D11N, D11R	1 1/8"	650 ± 50 ft. lb. 870 ± 70 Nm	+1/3 turn

Guides

Inspection — D8 through D11 machines do not use front and rear guiding or roller (rock) guards because of the oscillating suspension system. Instead, “L”-shaped “guides” are used to aid track guiding. These guides attach in pairs to major bogies with two bolts. No measurable service limits have been developed for guides. They should be inspected for wear and hardware retention. D4 through D7 machines use conventional front and rear guiding guards. Wear strips should be inspected regularly and replaced as required.

Track Adjustment

Incorrectly adjusted track can cost you money both in accelerated undercarriage wear and downtime. If the track is too tight, damaging non-productive loads are placed on the undercarriage and its manual components.

Tight track accelerates track wear and reduces tractor drawbar horsepower. Adjustment procedures take only a few minutes and require only one person.

When adjusting your track on any Caterpillar machine:

1. Always adjust the track in the working area.
2. Do not try to squeeze any packing material from in between the track.
3. Never loosen the relief valve more than one turn. Grease and oil are under extreme pressure and can penetrate the body, causing serious injury.

Elevated Sprocket Tractors

⚠ WARNING

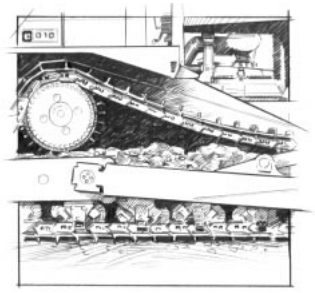
Grease is under high pressure.

Grease coming out of the relief valve under pressure can penetrate the body causing injury or death.

Do not watch the relief valve to see if grease is escaping. Watch the track or track adjustment cylinder to see if the track is being loosened.

1 Move the tractor forward and let it coast to a stop without applying the brakes. Make sure slack is between the sprocket and front idler. Then park the machine and turn off the engine.

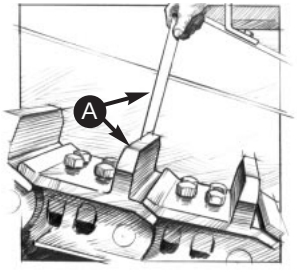
Place a tight line over the grouser tips from the sprocket to the front idler.



2 For machines without carrier rollers, measure the distance “A” from the line to the grouser tip at the lowest point of sag. Refer to Chart 1 to determine the correct sag for each model.

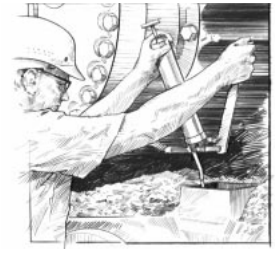
For machines with carrier rollers, measure the distance from the line to the grouser tips in two places: at the lowest point of sag “A” between the front idler and carrier roller and between the carrier roller and sprocket. Then average the two measurements.

Refer to Chart 2 to determine the correct sag for each model.



3 If your track requires adjustment, locate the hydraulic fill and relief valve in the rear roller frame, and remove the inspection cover.

Using a manual grease gun, add grease at the adjustment mechanism to tighten the track. To loosen the track, open the relief valve and allow grease to escape. Then close the relief valve.



4 Operate the machine in forward and reverse, then re-measure track tension.

To avoid damage to internal roller frame components, do not allow the length of the exposed tube “B” to exceed the dimensions listed in Chart 3.

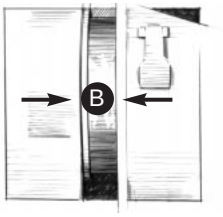


Chart 1

Proper Track Sag

Machines Without Carrier Rollers

MODEL	Minimum	Target	Maximum
D4H, D5H, 517, 561H, 561M	3.5" (90 mm)	3.9" (100 mm)	4.3" (110 mm)
D6H, D6R, 527	4.1" (105 mm)	4.5" (115 mm)	4.9" (125 mm)
D7H, D7R, 572R	4.1" (105 mm)	4.5" (115 mm)	4.9" (125 mm)
D8L	5.1" (130 mm)	5.5" (140 mm)	5.9" (150 mm)
D8N, D8R, 578, 583R	4.1" (105 mm)	4.5" (115 mm)	4.9" (125 mm)
D9N, D9R	4.7" (120 mm)	5.1" (130 mm)	5.5" (140 mm)
D9L, D10N, D10R, 589	5.7" (145 mm)	6.1" (155 mm)	6.5" (165 mm)
D10, D11N, D11R	6.1" (155 mm)	6.5" (165 mm)	6.9" (175 mm)

Chart 2

Proper Track Sag

Machines With Carrier Rollers

MODEL	Minimum	Target	Maximum
D4H, D5M, D5N, 561H, 561M, 561N	1.0" (25 mm)	1.4" (35 mm)	1.8" (45 mm)
D5H, D6M, D6N	1.8" (45 mm)	2.2" (55 mm)	2.6" (65 mm)
D6H, D6R	1.8" (45 mm)	2.2" (55 mm)	2.6" (65 mm)
D7H, D7R, 572R	2.2" (55 mm)	2.6" (65 mm)	3.0" (75 mm)
D8L, D8N, D8R, 578, 583R	2.2" (55 mm)	2.6" (65 mm)	3.0" (75 mm)
D9N, D9R	2.2" (55 mm)	2.6" (65 mm)	3.0" (75 mm)
D9L, D10N, D10R, 589	2.4" (60 mm)	2.8" (70 mm)	3.2" (80 mm)
D10, D11N, D11R	2.6" (65 mm)	3.0" (75 mm)	3.4" (85 mm)

Chart 3

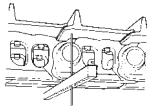
Track Roller Frame Extension Specifications

Model	Serial Numbers	Maximum Length of Exposed Tube Inches	Millimeters
D4H		3.9	(100)
D5H		4.4	(112)
D5M LGP, D5N LGP		3.5	(88.5)
D5M XL, D5N XL		3.6	(91.7)
D6M LGP, D5N LGP		4.3	(108.2)
D6M XL, D5N XL		4.0	(102.4)
D6H XL		6.0	(153.5)
D6H LGP		6.2	(156.8)
D6H, D6H XR		6.4	(161.8)
D6R XW	(AEP)	5.7	(144.2)
D6R XL	(4MN00504 & UP) (5LN02766 & UP)	5.7	(144.2)
D6R XL	(4MN00001-4MN00503) (5LN00001-5LN02765)	6.0	(153.5)
D6R LGP	(8LN0529 & UP) (9PN1579 & UP) (ACJ) (ADE)	5.6	(142.5)
D6R LGP	(8LN0001-8LN0528) (9PN0001-9PN1578)	6.0	(151.8)
D6R XR	(6JN00416 & UP) (7KN00451 & UP)	5.8	(147.5)
D6R XR	(6JN00001-00415) (7KN0000-7KN00450)	6.2	(156.8)
D6R	(2YN00545 & UP) (3ZN00763 & UP) (AFM) (AEM)	5.8	(147.5)
D6R	(2YN00001-2YN00544) (3ZN00001-3ZN00762)	6.2	(156.8)
D7H LGP		5.0	(127)
D7H, D7H XR		5.0	(126)
D7R LGP		5.4	(136.5)
D7R, D7R XR		5.4	(136)
D8L		6.5	(165)
D8N	(9TC) (5TC)	5.6	(142)
D8R	(6YZ) (7XM05094 & UP) (7XM)	6.0	(152)
D8R	(7XM00001 - 7XM05093)	5.6	(142)
D9L		6.3	(160)
D9N		5.9	(150)
D9R	(8BL01422 - UP) (7TL01212 - UP)	7.4	(189)
D9R	(8BL00001 - 8BL01421) (7TL00001 - 7TL01211)	5.9	(150)
D10		7.0	(178)
D10N	(2YD00516-UP)	6.8	(173)
D10N	(2YD00001-2YD00515)	5.8	(148)
D10R		7.6	(194)
D11N		7.0	(178)
D11R		7.8	(198)

D4H, D5M, D5N, 561H, 561M, 561N — 6.75" (171.5 mm)

Track Links

Heavy Duty Track
Rotating Bushing Track
108-0947 & 48



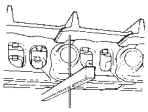


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
4.17	(106.0)	0	1.22	(31.0)
4.15	(105.5)	6	1.20	(30.5)
4.13	(105.0)	12	1.18	(30.0)
4.11	(104.5)	18	1.16	(29.5)
4.09	(104.0)	24	1.14	(29.0)
4.07	(103.5)	30	1.12	(28.4)
4.05	(103.0)	36	1.10	(27.9)
4.03	(102.5)	42	1.08	(27.4)
4.01	(102.0)	48	1.06	(26.9)
3.99	(101.5)	54	1.04	(26.4)
3.97	(101.0)	60	1.02	(25.9)
3.95	(100.5)	65	1.00	(25.4)
3.93	(100.0)	70	0.98	(24.9)
3.91	(99.5)	75	0.96	(24.4)
3.89	(99.0)	80	0.94	(23.9)
3.87	(98.5)	85	0.92	(23.4)
3.85	(98.0)	90	0.90	(22.9)
3.83	(97.5)	95	0.88	(22.4)
3.81	(97.0)	100	0.86	(21.8)
3.79	(96.5)	105	0.84	(21.3)
3.77	(96.0)	110	0.82	(20.8)
3.75	(95.5)	115	0.80	(20.3)
3.73	(94.5)	120	0.78	(19.8)

Undercarriage Code: 1108, 111, 1121, 1122, 1208, 121, 124, 125, 1251, 128, 129, 1291

Track Links

6Y9261 & 62

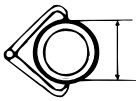




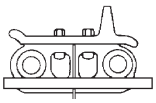
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
3.85	(98.0)	0	1.06	(26.9)
3.83	(97.5)	8	1.04	(26.4)
3.81	(97.0)	16	1.02	(25.9)
3.79	(96.5)	23	1.00	(25.4)
3.77	(96.0)	30	0.98	(24.9)
3.75	(95.5)	37	0.96	(24.4)
3.73	(94.5)	44	0.94	(23.9)
3.71	(94.0)	51	0.92	(23.4)
3.69	(93.5)	58	0.90	(22.9)
3.67	(93.0)	65	0.88	(22.4)
3.65	(92.5)	72	0.86	(21.8)
3.63	(92.0)	79	0.84	(21.3)
3.61	(91.5)	86	0.82	(20.8)
3.59	(91.0)	93	0.80	(20.3)
3.57	(90.5)	100	0.78	(19.8)
3.55	(90.0)	107	0.76	(19.3)
3.53	(89.5)	114	0.74	(18.8)
3.51	(89.0)	121	0.72	(18.3)

D4H, D5M, D5N, 561H, 561M, 561N — 6.75" (171.5 mm)

Bushings for Heavy Duty Track





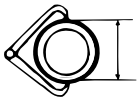


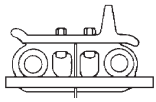
Caliper		Allowable Wear		Ultrasonic		Depth Gauge	
		Lesser	Greater				
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
2.39	(60.7)	0	0	0.46	(11.7)	2.96	(75.2)
2.38	(60.5)	6	5	0.45	(11.4)	2.95	(74.9)
2.37	(60.2)	12	10	0.44	(11.2)	2.94	(74.7)
2.36	(59.9)	18	15	0.43	(10.9)	2.93	(74.4)
2.35	(59.7)	24	20	0.42	(10.7)	2.92	(74.2)
2.34	(59.4)	30	25	0.41	(10.4)	2.91	(73.9)
2.33	(59.2)	36	30	0.40	(10.2)	2.90	(73.7)
2.32	(58.9)	42	35	0.39	(9.9)	2.89	(73.4)
2.31	(58.7)	48	40	0.38	(9.7)	2.88	(73.2)
2.30	(58.4)	52	45	0.37	(9.4)	2.87	(72.9)
2.29	(58.2)	55	50	0.36	(9.1)	2.86	(72.6)
2.28	(57.9)	58	52	0.35	(8.9)	2.85	(72.4)
2.27	(57.7)	61	54	0.34	(8.6)	2.84	(72.1)
2.26	(57.4)	64	56	0.33	(8.4)	2.83	(71.9)
2.25	(57.2)	67	58	0.32	(8.1)	2.82	(71.6)
2.24	(56.9)	70	60	0.31	(7.9)	2.81	(71.4)
2.23	(56.6)	73	62	0.30	(7.6)	2.80	(71.1)
2.22	(56.4)	76	64	0.29	(7.4)	2.79	(70.9)
2.21	(56.1)	79	66	0.28	(7.1)	2.78	(70.6)
2.20	(55.9)	82	68	0.27	(6.9)	2.77	(70.4)
2.19	(55.6)	85	70	0.26	(6.6)	2.76	(70.1)
2.18	(55.4)	88	72	0.25	(6.4)	2.75	(69.9)
2.17	(55.1)	91	74	0.24	(6.1)	2.74	(69.6)
2.16	(54.9)	94	76	0.23	(5.8)	2.73	(69.3)
2.15	(54.6)	97	78	0.22	(5.6)	2.72	(69.1)
2.14	(54.4)	100	80	0.21	(5.3)	2.71	(68.8)
2.13	(54.1)	103	82	0.20	(5.1)	2.70	(68.6)
2.12	(53.8)	106	84	0.19	(4.8)	2.69	(68.3)
2.11	(53.6)	109	86	0.18	(4.6)	2.68	(68.1)
2.10	(53.3)	112	88	0.17	(4.3)	2.67	(67.8)
2.09	(53.1)	115	90	0.16	(4.1)	2.66	(67.6)
2.08	(52.8)	118	92	0.15	(3.8)	2.65	(67.3)
2.07	(52.6)	121	94	0.14	(3.6)	2.64	(67.1)
2.06	(52.3)		96	0.13	(3.3)	2.63	(66.8)
2.05	(52.1)		98	0.12	(3.0)	2.62	(66.5)
2.04	(51.8)		100	0.11	(2.8)	2.61	(66.3)
2.03	(51.6)		102	0.10	(2.5)	2.60	(66.0)
2.02	(51.3)		104	0.09	(2.3)	2.59	(65.8)
2.01	(51.1)		106	0.08	(2.0)	2.58	(65.5)
2.00	(50.8)		108	0.07	(1.8)	2.57	(65.3)
1.99	(50.5)		110	0.06	(1.5)	2.56	(65.0)
1.98	(50.3)		112	0.05	(1.3)	2.55	(64.8)
1.97	(50.0)		114	0.04	(1.0)	2.54	(64.5)
1.96	(49.8)		116	0.03	(0.8)	2.53	(64.3)
1.95	(49.5)		118	0.02	(0.5)	2.52	(64.0)
1.94	(49.3)		120	0.01	(0.3)	2.51	(63.8)

NOTE: DO NOT USE DEPTH GAUGE UNTIL BUSHINGS HAVE BEEN "TURNED."

Undercarriage Code: 1108, 111, 1121, 1122, 1208, 121, 124, 125, 1251, 128, 129, 1291

Bushings for Rotating Bushing Track





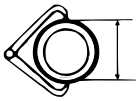
Caliper			Ultrasonic		Depth Gauge	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
2.39	(60.7)	0	0.47	(11.9)	2.96	(75.2)
2.37	(60.2)	4	0.46	(11.7)	2.95	(74.9)
2.35	(59.7)	8	0.45	(11.4)	2.94	(74.7)
2.33	(59.2)	12	0.44	(11.2)	2.93	(74.4)
2.31	(58.7)	16	0.43	(10.9)	2.92	(74.2)
2.29	(58.2)	20	0.42	(10.7)	2.91	(73.9)
2.27	(57.7)	24	0.41	(10.4)	2.90	(73.7)
2.25	(57.2)	28	0.40	(10.2)	2.89	(73.4)
2.23	(56.6)	32	0.39	(9.9)	2.88	(73.2)
2.21	(56.1)	36	0.38	(9.7)	2.87	(72.9)
2.19	(55.6)	40	0.37	(9.4)	2.86	(72.6)
2.17	(55.1)	44	0.36	(9.1)	2.85	(72.4)
2.15	(54.6)	48	0.35	(8.9)	2.84	(72.1)
2.13	(54.1)	52	0.34	(8.6)	2.83	(71.9)
2.11	(53.6)	56	0.33	(8.4)	2.82	(71.6)
2.09	(53.1)	58	0.32	(8.1)	2.81	(71.4)
2.07	(52.6)	60	0.31	(7.9)	2.80	(71.1)
2.05	(52.1)	62	0.30	(7.6)	2.79	(70.9)
2.03	(51.6)	64	0.29	(7.4)	2.78	(70.6)
2.01	(51.1)	66	0.28	(7.1)	2.77	(70.4)
1.99	(50.5)	68	0.27	(6.9)	2.76	(70.1)
1.97	(50.0)	70	0.26	(6.6)	2.75	(69.9)
1.95	(49.5)	72	0.25	(6.3)	2.74	(69.6)
1.93	(49.0)	74	0.24	(6.1)	2.73	(69.3)
1.91	(48.5)	76	0.23	(5.8)	2.72	(69.1)
1.89	(48.0)	78	0.22	(5.6)	2.71	(68.8)
1.87	(47.5)	80	0.21	(5.3)	2.70	(68.6)
1.85	(47.0)	82	0.20	(5.1)	2.69	(68.3)
1.83	(46.5)	84	0.19	(4.8)	2.68	(68.1)
1.81	(46.0)	86	0.18	(4.6)	2.67	(67.8)
1.79	(45.5)	88	0.17	(4.3)	2.66	(67.6)
1.77	(45.0)	90	0.16	(4.1)	2.65	(67.3)
1.75	(44.5)	92	0.15	(3.8)	2.64	(67.1)
1.73	(43.9)	94	0.14	(3.6)	2.63	(66.8)
1.71	(43.4)	96	0.13	(3.3)	2.62	(66.5)
1.69	(42.9)	98	0.12	(3.0)	2.61	(66.3)
1.67	(42.4)	100	0.11	(2.8)	2.60	(66.0)
1.65	(41.9)	102	0.10	(2.5)	2.59	(65.8)
1.63	(41.4)	104	0.09	(2.3)	2.58	(65.5)
1.61	(40.9)	106	0.08	(2.0)	2.57	(65.3)
1.59	(40.4)	108	0.07	(1.8)	2.56	(65.0)
1.57	(39.9)	110	0.06	(1.5)	2.55	(64.8)
1.55	(39.4)	112	0.05	(1.3)	2.54	(64.5)
1.53	(38.9)	114	0.04	(1.0)	2.53	(64.3)
1.51	(38.4)	116	0.03	(0.8)	2.52	(64.0)
1.49	(37.8)	118	0.02	(0.5)	2.51	(63.8)
1.47	(37.3)	120	0.01	(0.3)	2.50	(63.5)

Undercarriage Code: 1108, 111, 1121, 1122, 1208, 121, 124, 125, 1251, 128, 129, 1291

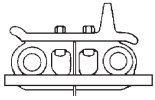
D4H, D5M, D5N, 561H, 561M, 561N — 6.75" (171.5 mm)

Bushings for Sealed & Lubricated Track

Large Stepped Bushing







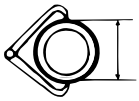
Caliper		Allowable Wear		Ultrasonic		Depth Gauge	
		Lesser	Greater				
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
2.39	(60.7)	0	0	0.51	(13.0)	2.88	(73.2)
2.38	(60.5)	5	4	0.50	(12.7)	2.87	(72.9)
2.37	(60.2)	10	8	0.49	(12.4)	2.86	(72.6)
2.36	(59.9)	15	12	0.48	(12.2)	2.85	(72.4)
2.35	(59.7)	20	16	0.47	(11.9)	2.84	(72.1)
2.34	(59.4)	25	20	0.46	(11.7)	2.83	(71.9)
2.33	(59.2)	30	24	0.45	(11.4)	2.82	(71.6)
2.32	(58.9)	35	28	0.44	(11.2)	2.81	(71.4)
2.31	(58.7)	40	32	0.43	(10.9)	2.80	(71.1)
2.30	(58.4)	45	36	0.42	(10.7)	2.79	(70.9)
2.29	(58.2)	50	40	0.41	(10.4)	2.78	(70.6)
2.28	(57.9)	55	42	0.40	(10.2)	2.77	(70.4)
2.27	(57.7)	60	44	0.39	(9.9)	2.76	(70.1)
2.26	(57.4)	65	46	0.38	(9.7)	2.75	(69.9)
2.25	(57.2)	68	48	0.37	(9.4)	2.74	(69.6)
2.24	(56.9)	70	50	0.36	(9.1)	2.73	(69.3)
2.23	(56.6)	72	52	0.35	(8.9)	2.72	(69.1)
2.22	(56.4)	74	54	0.34	(8.6)	2.71	(68.8)
2.21	(56.1)	76	56	0.33	(8.4)	2.70	(68.6)
2.20	(55.9)	78	58	0.32	(8.1)	2.69	(68.3)
2.19	(55.6)	80	60	0.31	(7.9)	2.68	(68.1)
2.18	(55.4)	82	62	0.30	(7.6)	2.67	(67.8)
2.17	(55.1)	84	64	0.29	(7.4)	2.66	(67.6)
2.16	(54.9)	86	66	0.28	(7.1)	2.65	(67.3)
2.15	(54.6)	88	68	0.27	(6.9)	2.64	(67.1)
2.14	(54.4)	90	70	0.26	(6.6)	2.63	(66.8)
2.13	(54.1)	92	72	0.25	(6.3)	2.62	(66.5)
2.12	(53.8)	94	74	0.24	(6.1)	2.61	(66.3)
2.11	(53.6)	96	76	0.23	(5.8)	2.60	(66.0)
2.10	(53.3)	98	78	0.22	(5.6)	2.59	(65.8)
2.09	(53.1)	100	80	0.21	(5.3)	2.58	(65.5)
2.08	(52.8)	102	82	0.20	(5.1)	2.57	(65.3)
2.07	(52.6)	104	84	0.19	(4.8)	2.56	(65.0)
2.06	(52.3)	106	86	0.18	(4.6)	2.55	(64.8)
2.05	(52.1)	108	88	0.17	(4.3)	2.54	(64.5)
2.04	(51.8)	110	90	0.16	(4.1)	2.53	(64.3)
2.03	(51.6)	112	92	0.15	(3.8)	2.52	(64.0)
2.02	(51.3)	114	94	0.14	(3.6)	2.51	(63.8)
2.01	(51.1)	116	96	0.13	(3.3)	2.50	(63.5)
2.00	(50.8)	118	98	0.12	(3.0)	2.49	(63.2)
1.99	(50.5)	120	100	0.11	(2.8)	2.48	(63.0)
1.98	(50.3)		102	0.10	(2.5)	2.47	(62.7)
1.97	(50.0)		104	0.09	(2.3)	2.46	(62.5)
1.96	(49.8)		106	0.08	(2.0)	2.45	(62.2)
1.95	(49.5)		108	0.07	(1.8)	2.44	(62.0)
1.94	(49.3)		110	0.06	(1.5)	2.43	(61.7)
1.93	(49.0)		112	0.05	(1.3)	2.42	(61.5)
1.92	(48.8)		114	0.04	(1.0)	2.41	(61.2)
1.91	(48.5)		116	0.03	(0.8)	2.40	(61.0)
1.90	(48.3)		118	0.02	(0.5)	2.39	(60.7)
1.89	(48.0)		120	0.01	(0.3)	2.38	(60.5)

NOTE: DO NOT USE DEPTH GAUGE UNTIL BUSHINGS HAVE BEEN "TURNED."

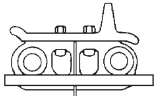
Undercarriage Code: 11002, 11012, 12002, 12012, 12482

Bushings for Sealed & Lubricated Track

Small Stepped Bushing







Caliper		Allowable Wear		Ultrasonic		Depth Gauge	
		Lesser	Greater				
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
2.23	(56.6)	0	0	0.43	(10.9)	2.80	(71.1)
2.22	(56.4)	6	5	0.42	(10.7)	2.79	(70.9)
2.21	(56.1)	12	10	0.41	(10.4)	2.78	(70.6)
2.20	(55.9)	18	15	0.40	(10.2)	2.77	(70.4)
2.19	(55.6)	24	20	0.39	(9.9)	2.76	(70.1)
2.18	(55.4)	30	25	0.38	(9.7)	2.75	(69.9)
2.17	(55.1)	36	30	0.37	(9.4)	2.74	(69.6)
2.16	(54.9)	42	35	0.36	(9.1)	2.73	(69.3)
2.15	(54.6)	48	40	0.35	(8.9)	2.72	(69.1)
2.14	(54.4)	54	45	0.34	(8.6)	2.71	(68.8)
2.13	(54.1)	60	50	0.33	(8.4)	2.70	(68.6)
2.12	(53.8)	66	55	0.32	(8.1)	2.69	(68.3)
2.11	(53.6)	70	60	0.31	(7.9)	2.68	(68.1)
2.10	(53.3)	73	62	0.30	(7.6)	2.67	(67.8)
2.09	(53.1)	76	64	0.29	(7.4)	2.66	(67.6)
2.08	(52.8)	79	66	0.28	(7.1)	2.65	(67.3)
2.07	(52.6)	82	68	0.27	(6.9)	2.64	(67.1)
2.06	(52.3)	85	70	0.26	(6.6)	2.63	(66.8)
2.05	(52.1)	88	72	0.25	(6.4)	2.62	(66.5)
2.04	(51.8)	91	74	0.24	(6.1)	2.61	(66.3)
2.03	(51.6)	94	76	0.23	(5.8)	2.60	(66.0)
2.02	(51.3)	97	78	0.22	(5.6)	2.59	(65.8)
2.01	(51.1)	100	80	0.21	(5.3)	2.58	(65.5)
2.00	(50.8)	103	82	0.20	(5.1)	2.57	(65.3)
1.99	(50.5)	106	84	0.19	(4.8)	2.56	(65.0)
1.98	(50.3)	109	86	0.18	(4.6)	2.55	(64.8)
1.97	(50.0)	112	88	0.17	(4.3)	2.54	(64.5)
1.96	(49.8)	115	90	0.16	(4.1)	2.53	(64.3)
1.95	(49.5)	118	92	0.15	(3.8)	2.52	(64.0)
1.94	(49.3)	121	94	0.14	(3.6)	2.51	(63.8)
1.93	(49.0)		96	0.13	(3.3)	2.50	(63.5)
1.92	(48.8)		98	0.12	(3.0)	2.49	(63.2)
1.91	(48.5)		100	0.11	(2.8)	2.48	(63.0)
1.90	(48.3)		102	0.10	(2.5)	2.47	(62.7)
1.89	(48.0)		104	0.09	(2.3)	2.46	(62.5)
1.88	(47.8)		106	0.08	(2.0)	2.45	(62.2)
1.87	(47.5)		108	0.07	(1.8)	2.44	(62.0)
1.86	(47.2)		110	0.06	(1.5)	2.43	(61.7)
1.85	(47.0)		112	0.05	(1.3)	2.42	(61.5)
1.84	(46.7)		114	0.04	(1.0)	2.41	(61.2)
1.83	(46.5)		116	0.03	(0.8)	2.40	(61.0)
1.82	(46.2)		118	0.02	(0.5)	2.39	(60.7)
1.81	(46.0)		120	0.01	(0.3)	2.38	(60.5)

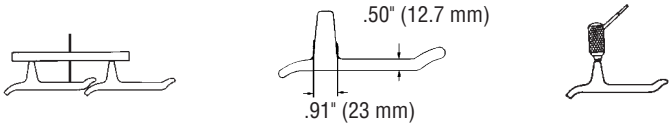
NOTE: DO NOT USE DEPTH GAUGE UNTIL BUSHINGS HAVE BEEN "TURNED."

Undercarriage Code: 110, 1101, 120, 1201, 1248

D4H, D5M, D5N, 561H, 561M, 561N — 6.75" (171.5 mm)

Track Shoes

Extreme Service



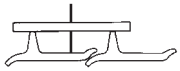
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
2.25	(57.0)	0	2.75	(69.9)
2.20	(56.0)	4	2.70	(68.6)
2.15	(54.5)	8	2.65	(67.4)
2.10	(53.5)	12	2.60	(66.1)
2.05	(52.0)	16	2.55	(64.8)
2.00	(51.0)	20	2.50	(63.6)
1.95	(49.5)	24	2.45	(62.3)
1.90	(48.5)	28	2.40	(61.0)
1.85	(47.0)	32	2.35	(59.7)
1.80	(45.5)	36	2.30	(58.5)
1.75	(44.5)	40	2.25	(57.2)
1.70	(43.0)	44	2.20	(55.9)
1.65	(42.0)	48	2.15	(54.7)
1.60	(40.5)	52	2.10	(53.4)
1.55	(39.5)	56	2.05	(52.1)
1.50	(38.0)	60	2.00	(50.9)
1.45	(37.0)	64	1.95	(49.6)
1.40	(35.5)	67	1.90	(48.3)
1.35	(34.5)	70	1.85	(47.0)
1.30	(33.0)	73	1.80	(45.8)
1.25	(32.0)	76	1.75	(44.5)
1.20	(30.5)	79	1.70	(43.2)
1.15	(29.0)	82	1.65	(42.0)
1.10	(28.0)	85	1.60	(40.7)
1.05	(26.5)	88	1.55	(39.4)
1.00	(25.5)	91	1.50	(38.2)
0.95	(24.0)	94	1.45	(36.9)
0.90	(23.0)	97	1.40	(35.6)
0.85	(21.5)	100	1.35	(34.3)
0.80	(20.5)	103	1.30	(33.1)
0.75	(19.0)	106	1.25	(31.8)
0.70	(18.0)	109	1.20	(30.5)
0.65	(16.5)	112	1.15	(29.3)
0.60	(15.0)	115	1.10	(28.0)
0.55	(14.0)	118	1.05	(26.7)
0.50	(12.5)	121	1.00	(25.5)

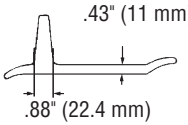
Undercarriage Code: 110, 11002, 1101, 11012, 1108, 111, 1121, 1122, 120, 12002, 1201, 12012, 1208, 121, 124, 1248, 12482, 125, 1251, 128, 129, 1291

D4H, D5M, D5N, 561H, 561M, 561N — 6.75" (171.5 mm)

Track Shoes

Moderate Service







Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.85	(47.0)	0	2.30	(58.4)
1.80	(45.5)	5	2.25	(57.2)
1.75	(44.5)	10	2.20	(55.9)
1.70	(43.0)	15	2.15	(54.6)
1.65	(42.0)	20	2.10	(53.3)
1.60	(40.5)	25	2.05	(52.1)
1.55	(39.5)	30	2.00	(50.8)
1.50	(38.0)	35	1.95	(49.5)
1.45	(37.0)	40	1.90	(48.3)
1.40	(35.5)	45	1.85	(47.0)
1.35	(34.5)	50	1.80	(45.7)
1.30	(33.0)	55	1.75	(44.5)
1.25	(32.0)	60	1.70	(43.2)
1.20	(30.5)	64	1.65	(41.9)
1.15	(29.0)	68	1.60	(40.6)
1.10	(28.0)	72	1.55	(39.4)
1.05	(26.5)	76	1.50	(38.1)
1.00	(25.5)	80	1.45	(36.8)
0.95	(24.0)	84	1.40	(35.6)
0.90	(23.0)	88	1.35	(34.3)
0.85	(21.5)	92	1.30	(33.0)
0.80	(20.5)	96	1.25	(31.8)
0.75	(19.0)	100	1.20	(30.5)
0.70	(18.0)	104	1.15	(29.2)
0.65	(16.5)	108	1.10	(27.9)
0.60	(15.0)	112	1.05	(26.7)
0.55	(14.0)	116	1.00	(25.4)
0.50	(12.5)	120	0.95	(24.1)

Undercarriage Code: 110, 11002, 1101, 11012, 1108, 111, 1121, 1122, 120, 12002, 1201, 12012, 1208, 121, 124, 1248, 12482, 125, 1251, 128, 129, 1291

D4H, D5M, D5N, 561H, 561M, 561N — 6.75" (171.5 mm)

Track Shoes

Self Cleaning

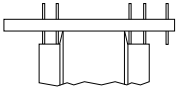


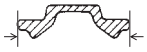
Depth Gauge Inches	(mm)	% Worn
3.18	(81.0)	0
3.16	(80.5)	6
3.14	(80.0)	12
3.12	(79.0)	18
3.10	(78.5)	24
3.08	(78.0)	30
3.06	(77.5)	36
3.04	(77.0)	42
3.02	(76.5)	48
3.00	(76.0)	54
2.98	(75.5)	60
2.96	(75.0)	66
2.94	(74.5)	72
2.92	(74.0)	76
2.90	(73.5)	80
2.88	(73.0)	84
2.86	(72.5)	88
2.84	(72.0)	92
2.82	(71.5)	96
2.80	(71.0)	100
2.78	(70.5)	104
2.76	(70.0)	108
2.74	(69.5)	112
2.72	(69.0)	116
2.70	(68.5)	120

Undercarriage Code: 110, 11002, 1101, 11012, 1108, 111, 1121, 1122, 120, 12002, 1201, 12012, 1208, 121, 124, 1248, 12482, 125, 1251, 128, 129, 1291

Idlers

Extended Life Idler





5.76" (146.4 mm)

Depth Gauge Inches	(mm)	% Worn
0.78	(20.0)	0
0.80	(20.5)	5
0.82	(21.0)	10
0.84	(21.5)	15
0.86	(22.0)	20
0.88	(22.5)	25
0.90	(23.0)	30
0.92	(23.5)	35
0.94	(24.0)	40
0.96	(24.5)	45
0.98	(25.0)	50
1.00	(25.5)	55
1.02	(26.0)	60
1.04	(26.5)	65
1.06	(27.0)	70
1.08	(27.5)	72
1.10	(28.0)	74
1.12	(28.5)	76
1.14	(29.0)	78
1.16	(29.5)	80
1.18	(30.0)	82
1.20	(30.5)	84
1.22	(31.0)	86
1.24	(31.5)	88
1.26	(32.0)	90
1.28	(32.5)	92
1.30	(33.0)	94
1.32	(33.5)	96
1.34	(34.0)	98
1.36	(34.5)	100
1.38	(35.0)	102
1.40	(35.5)	104
1.42	(36.0)	106
1.44	(36.5)	108
1.46	(37.0)	110
1.48	(37.5)	112
1.50	(38.0)	114
1.52	(38.5)	116
1.54	(39.0)	118
1.56	(39.5)	120

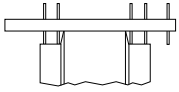
Flange width: 2.68" (68 mm)

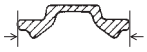
Undercarriage Code: 1122, 1251, 129

D4H, D5M, D5N, 561H, 561M, 561N — 6.75" (171.5 mm)

Idlers

Original Idler





5.31" (135 mm)

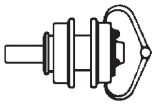
Depth Gauge Inches	(mm)	% Worn
0.66	(17.0)	0
0.68	(17.5)	8
0.70	(18.0)	16
0.72	(18.5)	24
0.74	(19.0)	32
0.76	(19.5)	40
0.78	(20.0)	48
0.80	(20.5)	56
0.82	(21.0)	64
0.84	(21.5)	72
0.86	(22.0)	76
0.88	(22.5)	79
0.90	(23.0)	82
0.92	(23.5)	85
0.94	(24.0)	88
0.96	(24.5)	91
0.98	(25.0)	94
1.00	(25.5)	97
1.02	(26.0)	100
1.04	(26.5)	103
1.06	(27.0)	106
1.08	(27.5)	109
1.10	(28.0)	112
1.12	(28.5)	115
1.14	(29.0)	118
1.16	(29.5)	121

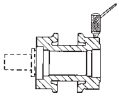
Flange width: 2.68" (68 mm)

Undercarriage Code: 110, 11002, 1101, 11012, 1108, 111, 1121, 120, 12002, 1201, 12012, 1208, 121, 124, 1248, 12482, 125, 128, 1291

Carrier Rollers

Use with 108-0947 & 48 Heavy Duty and Rotating Bushing Track





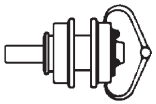
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
6.26	(159.0)	0	1.63	(41.4)
6.20	(157.5)	5	1.60	(40.6)
6.14	(156.0)	10	1.57	(39.9)
6.08	(154.5)	15	1.54	(39.1)
6.02	(153.0)	20	1.51	(38.4)
5.96	(151.5)	25	1.48	(37.6)
5.90	(150.0)	30	1.45	(36.8)
5.84	(148.5)	35	1.42	(36.1)
5.78	(147.0)	40	1.39	(35.3)
5.72	(145.5)	45	1.36	(34.5)
5.66	(144.0)	50	1.33	(33.8)
5.60	(142.0)	55	1.30	(33.0)
5.54	(140.5)	60	1.27	(32.3)
5.48	(139.0)	65	1.24	(31.5)
5.42	(137.5)	70	1.21	(30.7)
5.36	(136.0)	75	1.18	(30.0)
5.30	(134.5)	79	1.15	(29.2)
5.24	(133.0)	82	1.12	(28.4)
5.18	(131.5)	85	1.09	(27.7)
5.12	(130.0)	88	1.06	(26.9)
5.06	(128.5)	91	1.03	(26.2)
5.00	(127.0)	94	1.00	(25.4)
4.94	(125.5)	97	0.97	(24.6)
4.88	(124.0)	100	0.94	(23.9)
4.82	(122.5)	103	0.91	(23.1)
4.76	(121.0)	106	0.88	(22.4)
4.70	(119.5)	109	0.85	(21.6)
4.64	(118.0)	112	0.82	(20.8)
4.58	(116.5)	115	0.79	(20.1)
4.52	(115.0)	118	0.76	(19.3)
4.46	(113.5)	121	0.73	(18.5)

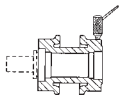
Undercarriage Code: 1108, 111, 1121, 1122, 1208, 121, 124, 125, 1251, 128, 129, 1291

D4H, D5M, D5N, 561H, 561M, 561N — 6.75" (171.5 mm)

Carrier Rollers

Use with 6Y Sealed and Lubricated Track



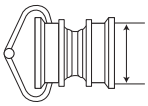


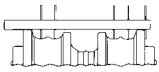
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
6.26	(159.0)	0	1.63	(41.4)
6.20	(157.5)	7	1.60	(40.6)
6.14	(156.0)	14	1.57	(39.9)
6.08	(154.5)	21	1.54	(39.1)
6.02	(153.0)	28	1.51	(38.4)
5.96	(151.5)	35	1.48	(37.6)
5.90	(150.0)	42	1.45	(36.8)
5.84	(148.5)	49	1.42	(36.1)
5.78	(147.0)	56	1.39	(35.3)
5.72	(145.5)	63	1.36	(34.5)
5.66	(144.0)	70	1.33	(33.8)
5.60	(142.0)	77	1.30	(33.0)
5.54	(140.5)	84	1.27	(32.3)
5.48	(139.0)	88	1.24	(31.5)
5.42	(137.5)	92	1.21	(30.7)
5.36	(136.0)	96	1.18	(30.0)
5.30	(134.5)	100	1.15	(29.2)
5.24	(133.0)	104	1.12	(28.4)
5.18	(131.5)	108	1.09	(27.7)
5.12	(130.0)	112	1.06	(26.9)
5.06	(128.5)	116	1.03	(26.2)
5.00	(127.0)	120	1.00	(25.4)

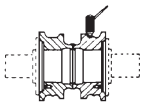
Undercarriage Code: 110, 11002, 1101, 11012, 120, 12002, 1201, 12012, 1248, 12482

Track Rollers with End Collars

Use with Heavy Duty or Rotating Bushing Track
108-0947 & 48 Links







Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
6.89	(175.0)	0	0.47	(12.0)	1.44	(36.6)
6.85	(174.0)	4	0.49	(12.5)	1.42	(36.1)
6.81	(173.0)	8	0.51	(13.0)	1.40	(35.6)
6.77	(172.0)	12	0.53	(13.5)	1.38	(35.1)
6.73	(171.0)	16	0.55	(14.0)	1.36	(34.5)
6.69	(170.0)	20	0.57	(14.5)	1.34	(34.0)
6.65	(169.0)	24	0.59	(15.0)	1.32	(33.5)
6.61	(168.0)	28	0.61	(15.5)	1.30	(33.0)
6.57	(167.0)	32	0.63	(16.0)	1.28	(32.5)
6.53	(166.0)	36	0.65	(16.5)	1.26	(32.0)
6.49	(165.0)	40	0.67	(17.0)	1.24	(31.5)
6.45	(164.0)	43	0.69	(17.5)	1.22	(31.0)
6.41	(163.0)	46	0.71	(18.0)	1.20	(30.5)
6.37	(162.0)	49	0.73	(18.5)	1.18	(30.0)
6.33	(161.0)	52	0.75	(19.0)	1.16	(29.5)
6.29	(160.0)	55	0.77	(19.5)	1.14	(29.0)
6.25	(159.0)	58	0.79	(20.0)	1.12	(28.4)
6.21	(157.5)	61	0.81	(20.5)	1.10	(27.9)
6.17	(156.5)	64	0.83	(21.0)	1.08	(27.4)
6.13	(155.5)	67	0.85	(21.5)	1.06	(26.9)
6.09	(154.5)	70	0.87	(22.0)	1.04	(26.4)
6.05	(153.5)	73	0.89	(22.5)	1.02	(25.9)
6.01	(152.5)	76	0.91	(23.0)	1.00	(25.4)
5.97	(151.5)	79	0.93	(23.5)	0.98	(24.9)
5.93	(150.5)	82	0.95	(24.0)	0.96	(24.4)
5.89	(149.5)	85	0.97	(24.5)	0.94	(23.9)
5.85	(148.5)	88	0.99	(25.0)	0.92	(23.4)
5.81	(147.5)	91	1.01	(25.5)	0.90	(22.9)
5.77	(146.5)	94	1.03	(26.0)	0.88	(22.4)
5.73	(145.5)	97	1.05	(26.5)	0.86	(21.8)
5.69	(144.5)	100	1.07	(27.0)	0.84	(21.3)
5.65	(143.5)	103	1.09	(27.5)	0.82	(20.8)
5.61	(142.5)	106	1.11	(28.0)	0.80	(20.3)
5.57	(141.5)	109	1.13	(28.5)	0.78	(19.8)
5.53	(140.5)	112	1.15	(29.0)	0.76	(19.3)
5.49	(139.5)	115	1.17	(29.5)	0.74	(18.8)
5.45	(138.5)	118	1.19	(30.0)	0.72	(18.3)
5.41	(137.5)	121	1.21	(30.5)	0.70	(17.8)
5.37	(136.5)	124	1.23	(31.0)	0.68	(17.3)
5.33	(135.5)	127	1.25	(32.0)	0.66	(16.8)
5.29	(134.5)	130	1.27	(32.5)	0.64	(16.3)

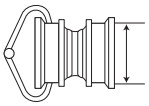
Flange diameter is 7.83" (199 mm)

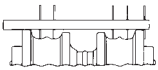
Undercarriage Code: 111, 1121, 1122, 121, 124, 125, 1251, 128, 129, 1291

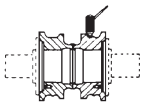
D4H, D5M, D5N, 561H, 561M, 561N — 6.75" (171.5 mm)

Track Rollers with End Collars

Use with Sealed & Lubricated Track
6Y9261 & 62 Links







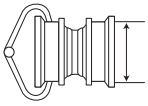
Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
6.89	(175.0)	0	0.47	(12.0)	1.44	(36.6)
6.85	(174.0)	5	0.49	(12.5)	1.42	(36.1)
6.81	(173.0)	10	0.51	(13.0)	1.40	(35.6)
6.77	(172.0)	15	0.53	(13.5)	1.38	(35.1)
6.73	(171.0)	20	0.55	(14.0)	1.36	(34.5)
6.69	(170.0)	25	0.57	(14.5)	1.34	(34.0)
6.65	(169.0)	30	0.59	(15.0)	1.32	(33.5)
6.61	(168.0)	35	0.61	(15.5)	1.30	(33.0)
6.57	(167.0)	40	0.63	(16.0)	1.28	(32.5)
6.53	(166.0)	45	0.65	(16.5)	1.26	(32.0)
6.49	(165.0)	50	0.67	(17.0)	1.24	(31.5)
6.45	(164.0)	55	0.69	(17.5)	1.22	(31.0)
6.41	(163.0)	60	0.71	(18.0)	1.20	(30.5)
6.37	(162.0)	64	0.73	(18.5)	1.18	(30.0)
6.33	(161.0)	67	0.75	(19.0)	1.16	(29.5)
6.29	(160.0)	70	0.77	(19.5)	1.14	(29.0)
6.25	(159.0)	73	0.79	(20.0)	1.12	(28.4)
6.21	(157.5)	76	0.81	(20.5)	1.10	(27.9)
6.17	(156.5)	79	0.83	(21.0)	1.08	(27.4)
6.13	(155.5)	82	0.85	(21.5)	1.06	(26.9)
6.09	(154.5)	85	0.87	(22.0)	1.04	(26.4)
6.05	(153.5)	88	0.89	(22.5)	1.02	(25.9)
6.01	(152.5)	91	0.91	(23.0)	1.00	(25.4)
5.97	(151.5)	94	0.93	(23.5)	0.98	(24.9)
5.93	(150.5)	97	0.95	(24.0)	0.96	(24.4)
5.89	(149.5)	100	0.97	(24.5)	0.94	(23.9)
5.85	(148.5)	103	0.99	(25.0)	0.92	(23.4)
5.81	(147.5)	106	1.01	(25.5)	0.90	(22.9)
5.77	(146.5)	109	1.03	(26.0)	0.88	(22.4)
5.73	(145.5)	112	1.05	(26.5)	0.86	(21.8)
5.69	(144.5)	115	1.07	(27.0)	0.84	(21.3)
5.65	(143.5)	118	1.09	(27.5)	0.82	(20.8)
5.61	(142.5)	121	1.11	(28.0)	0.80	(20.3)
5.57	(141.5)	124	1.13	(28.5)	0.78	(19.8)
5.53	(140.5)	127	1.15	(29.0)	0.76	(19.3)
5.49	(139.5)	130	1.17	(29.5)	0.74	(18.8)
5.45	(138.5)	133	1.19	(30.0)	0.72	(18.3)
5.41	(137.5)	136	1.21	(30.5)	0.70	(17.8)
5.37	(136.5)	139	1.23	(31.0)	0.68	(17.3)
5.33	(135.5)	142	1.25	(32.0)	0.66	(16.8)
5.29	(134.5)	145	1.27	(32.5)	0.64	(16.3)

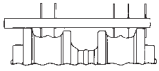
Flange diameter is 7.83" (199 mm)

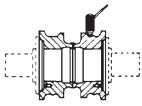
Undercarriage Code: 1101, 11012, 1201, 12012, 1248, 12482

Tall Flange Track Rollers with End Collars

Tall Flange Double Flange Rollers
Use with Heavy Duty or Rotating Bushing Track
108-0947 & 48 Links







Caliper Inches	Caliper (mm)	% Worn	Depth Gauge Inches	Depth Gauge (mm)	Ultrasonic Inches	Ultrasonic (mm)
6.89	(175.0)	0	0.67	(17.0)	1.44	(36.6)
6.85	(174.0)	6	0.69	(17.5)	1.42	(36.1)
6.81	(173.0)	12	0.71	(18.0)	1.40	(35.6)
6.77	(172.0)	18	0.73	(18.5)	1.38	(35.1)
6.73	(171.0)	24	0.75	(19.0)	1.36	(34.5)
6.69	(170.0)	30	0.77	(19.5)	1.34	(34.0)
6.65	(169.0)	36	0.79	(20.0)	1.32	(33.5)
6.61	(168.0)	42	0.81	(20.5)	1.30	(33.0)
6.57	(167.0)	48	0.83	(21.0)	1.28	(32.5)
6.53	(166.0)	54	0.85	(21.5)	1.26	(32.0)
6.49	(165.0)	60	0.87	(22.0)	1.24	(31.5)
6.45	(164.0)	64	0.89	(22.5)	1.22	(31.0)
6.41	(163.0)	68	0.91	(23.0)	1.20	(30.5)
6.37	(162.0)	72	0.93	(23.5)	1.18	(30.0)
6.33	(161.0)	76	0.95	(24.0)	1.16	(29.5)
6.29	(160.0)	80	0.97	(24.5)	1.14	(29.0)
6.25	(159.0)	84	0.99	(25.0)	1.12	(28.4)
6.21	(157.5)	88	1.01	(25.5)	1.10	(27.9)
6.17	(156.5)	92	1.03	(26.0)	1.08	(27.4)
6.13	(155.5)	96	1.05	(26.5)	1.06	(26.9)
6.09	(154.5)	100	1.07	(27.0)	1.04	(26.4)
6.05	(153.5)	104	1.09	(27.5)	1.02	(25.9)
6.01	(152.5)	108	1.11	(28.0)	1.00	(25.4)
5.97	(151.5)	112	1.13	(28.5)	0.98	(24.9)
5.93	(150.5)	116	1.15	(29.0)	0.96	(24.4)
5.89	(149.5)	120	1.17	(29.5)	0.94	(23.9)
5.85	(148.5)	124	1.19	(30.0)	0.92	(23.4)
5.81	(147.5)	128	1.21	(30.5)	0.90	(22.9)
5.77	(146.5)	132	1.23	(31.0)	0.88	(22.4)
5.73	(145.5)	136	1.25	(32.0)	0.86	(21.8)
5.69	(144.5)	140	1.27	(32.5)	0.84	(21.3)
5.65	(143.5)	144	1.29	(33.0)	0.82	(20.8)
5.61	(142.5)	148	1.31	(33.5)	0.80	(20.3)
5.57	(141.5)	152	1.33	(34.0)	0.78	(19.8)
5.53	(140.5)	156	1.35	(34.5)	0.76	(19.3)
5.49	(139.5)	160	1.37	(35.0)	0.74	(18.8)
5.45	(138.5)	164	1.39	(35.5)	0.72	(18.3)
5.41	(137.5)	168	1.41	(36.0)	0.70	(17.8)
5.37	(136.5)	172	1.43	(36.5)	0.68	(17.3)
5.33	(135.5)	176	1.45	(37.0)	0.66	(16.8)
5.29	(134.5)	180	1.47	(37.5)	0.64	(16.3)

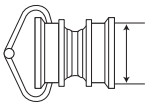
Flange diameter is 8.23" (209 mm)

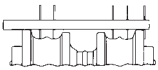
Undercarriage Code: 124, 128, 1291

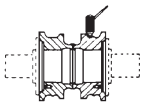
D4H, D5M, D5N, 561H, 561M, 561N — 6.75" (171.5 mm)

Track Rollers with Retainers

Use with Heavy Duty or Rotating Bushing Track
108-0947 & 48 Links







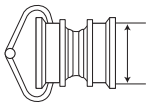
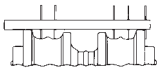
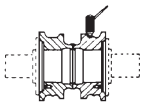
Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
6.89	(175.0)	0	0.47	(12.0)	1.55	(39.4)
6.85	(174.0)	4	0.49	(12.5)	1.53	(38.9)
6.81	(173.0)	8	0.51	(13.0)	1.51	(38.4)
6.77	(172.0)	12	0.53	(13.5)	1.49	(37.8)
6.73	(171.0)	16	0.55	(14.0)	1.47	(37.3)
6.69	(170.0)	20	0.57	(14.5)	1.45	(36.8)
6.65	(169.0)	24	0.59	(15.0)	1.43	(36.3)
6.61	(168.0)	28	0.61	(15.5)	1.41	(35.8)
6.57	(167.0)	32	0.63	(16.0)	1.39	(35.3)
6.53	(166.0)	36	0.65	(16.5)	1.37	(34.8)
6.49	(165.0)	40	0.67	(17.0)	1.35	(34.3)
6.45	(164.0)	43	0.69	(17.5)	1.33	(33.8)
6.41	(163.0)	46	0.71	(18.0)	1.31	(33.3)
6.37	(162.0)	49	0.73	(18.5)	1.29	(32.8)
6.33	(161.0)	52	0.75	(19.0)	1.27	(32.3)
6.29	(160.0)	55	0.77	(19.5)	1.25	(31.8)
6.25	(159.0)	58	0.79	(20.0)	1.23	(31.2)
6.21	(157.5)	61	0.81	(20.5)	1.21	(30.7)
6.17	(156.5)	64	0.83	(21.0)	1.19	(30.2)
6.13	(155.5)	67	0.85	(21.5)	1.17	(29.7)
6.09	(154.5)	70	0.87	(22.0)	1.15	(29.2)
6.05	(153.5)	73	0.89	(22.5)	1.13	(28.7)
6.01	(152.5)	76	0.91	(23.0)	1.11	(28.2)
5.97	(151.5)	79	0.93	(23.5)	1.09	(27.7)
5.93	(150.5)	82	0.95	(24.0)	1.07	(27.2)
5.89	(149.5)	85	0.97	(24.5)	1.05	(26.7)
5.85	(148.5)	88	0.99	(25.0)	1.03	(26.2)
5.81	(147.5)	91	1.01	(25.5)	1.01	(25.7)
5.77	(146.5)	94	1.03	(26.0)	0.99	(25.1)
5.73	(145.5)	97	1.05	(26.5)	0.97	(24.6)
5.69	(144.5)	100	1.07	(27.0)	0.95	(24.1)
5.65	(143.5)	103	1.09	(27.5)	0.93	(23.6)
5.61	(142.5)	106	1.11	(28.0)	0.91	(23.1)
5.57	(141.5)	109	1.13	(28.5)	0.89	(22.6)
5.53	(140.5)	112	1.15	(29.0)	0.87	(22.1)
5.49	(139.5)	115	1.17	(29.5)	0.85	(21.6)
5.45	(138.5)	118	1.19	(30.0)	0.83	(21.1)
5.41	(137.5)	121	1.21	(30.5)	0.81	(20.6)
5.37	(136.5)	124	1.23	(31.0)	0.79	(20.1)
5.33	(135.5)	127	1.25	(32.0)	0.77	(19.6)
5.29	(134.5)	130	1.27	(32.5)	0.75	(19.1)

Flange diameter is 7.83" (199 mm)

Undercarriage Code: 1108, 1208

Track Rollers with Retainers

Use with Sealed & Lubricated Track
6Y9261 & 62 Links

Caliper Inches	Caliper (mm)	% Worn	Depth Gauge Inches	Depth Gauge (mm)	Ultrasonic Inches	Ultrasonic (mm)
6.89	(175.0)	0	0.47	(12.0)	1.55	(39.4)
6.85	(174.0)	4	0.49	(12.5)	1.53	(38.9)
6.81	(173.0)	8	0.51	(13.0)	1.51	(38.4)
6.77	(172.0)	12	0.53	(13.5)	1.49	(37.8)
6.73	(171.0)	16	0.55	(14.0)	1.47	(37.3)
6.69	(170.0)	20	0.57	(14.5)	1.45	(36.8)
6.65	(169.0)	24	0.59	(15.0)	1.43	(36.3)
6.61	(168.0)	28	0.61	(15.5)	1.41	(35.8)
6.57	(167.0)	32	0.63	(16.0)	1.39	(35.3)
6.53	(166.0)	36	0.65	(16.5)	1.37	(34.8)
6.49	(165.0)	40	0.67	(17.0)	1.35	(34.3)
6.45	(164.0)	44	0.69	(17.5)	1.33	(33.8)
6.41	(163.0)	48	0.71	(18.0)	1.31	(33.3)
6.37	(162.0)	52	0.73	(18.5)	1.29	(32.8)
6.33	(161.0)	56	0.75	(19.0)	1.27	(32.3)
6.29	(160.0)	60	0.77	(19.5)	1.25	(31.8)
6.25	(159.0)	64	0.79	(20.0)	1.23	(31.2)
6.21	(157.5)	68	0.81	(20.5)	1.21	(30.7)
6.17	(156.5)	72	0.83	(21.0)	1.19	(30.2)
6.13	(155.5)	76	0.85	(21.5)	1.17	(29.7)
6.09	(154.5)	80	0.87	(22.0)	1.15	(29.2)
6.05	(153.5)	84	0.89	(22.5)	1.13	(28.7)
6.01	(152.5)	88	0.91	(23.0)	1.11	(28.2)
5.97	(151.5)	92	0.93	(23.5)	1.09	(27.7)
5.93	(150.5)	96	0.95	(24.0)	1.07	(27.2)
5.89	(149.5)	100	0.97	(24.5)	1.05	(26.7)
5.85	(148.5)	103	0.99	(25.0)	1.03	(26.2)
5.81	(147.5)	106	1.01	(25.5)	1.01	(25.7)
5.77	(146.5)	109	1.03	(26.0)	0.99	(25.1)
5.73	(145.5)	112	1.05	(26.5)	0.97	(24.6)
5.69	(144.5)	115	1.07	(27.0)	0.95	(24.1)
5.65	(143.5)	118	1.09	(27.5)	0.93	(23.6)
5.61	(142.5)	121	1.11	(28.0)	0.91	(23.1)
5.57	(141.5)	124	1.13	(28.5)	0.89	(22.6)
5.53	(140.5)	127	1.15	(29.0)	0.87	(22.1)
5.49	(139.5)	130	1.17	(29.5)	0.85	(21.6)
5.45	(138.5)	133	1.19	(30.0)	0.83	(21.1)
5.41	(137.5)	136	1.21	(30.5)	0.81	(20.6)
5.37	(136.5)	139	1.23	(31.0)	0.79	(20.1)
5.33	(135.5)	142	1.25	(32.0)	0.77	(19.6)
5.29	(134.5)	145	1.27	(32.5)	0.75	(19.1)

New flange diameter is 7.80" (198 mm)

Undercarriage Code: 110, 11002, 120, 12002

D4H, D5M, D5N, 561H, 561M, 561N — 6.75" (171.5 mm)

Sprockets

Use with:
Heavy Duty Track
Rotating Bushing Track
Sealed and Lubricated Track with Large Bushings

Tape Measure Inches	Tape Measure (mm)	% Worn
7.50	(190.5)	0
7.45	(189.0)	7
7.40	(188.0)	14
7.35	(186.5)	21
7.30	(185.5)	28
7.25	(184.0)	35
7.20	(183.0)	42
7.15	(181.5)	49
7.10	(180.5)	56
7.05	(179.0)	63
7.00	(178.0)	70
6.95	(176.5)	76
6.90	(175.5)	82
6.85	(174.0)	88
6.80	(172.5)	94
6.75	(171.5)	100
6.70	(171.5)	106
6.65	(169.0)	112
6.60	(167.5)	118
6.55	(166.5)	124

NOTE: Measure across 3 teeth

Undercarriage Code: 11002, 11012, 1108, 111, 1121, 1122, 12002, 12012, 1208, 121, 124, 12482, 125, 1251, 128, 129, 1291

Sprockets

Use with Sealed and Lubricated Track with Small Bushings



Tape Measure Inches	(mm)	% Worn
7.60	(193.0)	0
7.55	(192.0)	6
7.50	(190.5)	12
7.45	(189.0)	18
7.40	(188.0)	24
7.35	(186.5)	30
7.30	(185.5)	36
7.25	(184.0)	42
7.20	(183.0)	48
7.15	(181.5)	54
7.10	(180.5)	60
7.05	(179.0)	66
7.00	(178.0)	72
6.95	(176.5)	78
6.90	(175.5)	84
6.85	(174.0)	90
6.80	(172.5)	95
6.75	(171.5)	100
6.70	(170.0)	105
6.65	(169.0)	110
6.60	(167.5)	115
6.55	(166.5)	120

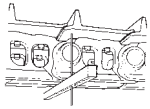
NOTE: Measure across 3 teeth

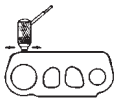
Undercarriage Code: 110, 1101, 120, 1201, 1248

D5H, D6M, D6N, 517 — 7.50" (190 mm)

Track Links

Heavy Duty Track
Rotating Bushing Track
106-1625 & 26



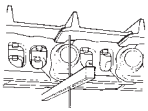


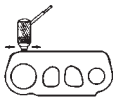
Depth Gauge			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
4.68	(119.0)	0	1.53	(38.9)
4.66	(118.5)	5	1.51	(38.4)
4.64	(118.0)	10	1.49	(37.8)
4.62	(117.5)	15	1.47	(37.3)
4.60	(117.0)	20	1.45	(36.8)
4.58	(116.5)	25	1.43	(36.3)
4.56	(116.0)	30	1.41	(35.8)
4.54	(115.5)	35	1.39	(35.3)
4.52	(115.0)	40	1.37	(34.8)
4.50	(114.5)	45	1.35	(34.3)
4.48	(114.0)	50	1.33	(33.8)
4.46	(113.5)	55	1.31	(33.3)
4.44	(113.0)	60	1.29	(32.8)
4.42	(112.5)	65	1.27	(32.3)
4.40	(112.0)	70	1.25	(31.8)
4.38	(111.5)	75	1.23	(31.2)
4.36	(110.5)	80	1.21	(30.7)
4.34	(110.0)	84	1.19	(30.2)
4.32	(109.5)	88	1.17	(29.7)
4.30	(109.0)	92	1.15	(29.2)
4.28	(108.5)	96	1.13	(28.7)
4.26	(108.0)	100	1.11	(28.2)
4.24	(107.5)	104	1.09	(27.7)
4.22	(107.0)	108	1.07	(27.2)
4.20	(106.5)	112	1.05	(26.7)
4.18	(106.0)	116	1.03	(26.2)
4.16	(105.5)	120	1.01	(25.7)

Undercarriage Code: 1338, 137, 140, 141, 1411, 144, 146, 1461, 280, 281

Track Links

3T8405 & 06
6Y9267 & 68





Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
4.33	(110.0)	0	1.27	(32.3)
4.31	(109.5)	6	1.25	(31.8)
4.29	(109.0)	12	1.23	(31.2)
4.27	(108.5)	18	1.21	(30.7)
4.25	(108.0)	24	1.19	(30.2)
4.23	(107.5)	30	1.17	(29.7)
4.21	(107.0)	36	1.15	(29.2)
4.19	(106.5)	42	1.13	(28.7)
4.17	(106.0)	48	1.11	(28.2)
4.15	(105.5)	54	1.09	(27.7)
4.13	(105.0)	60	1.07	(27.2)
4.11	(104.5)	65	1.05	(26.7)
4.09	(104.0)	70	1.03	(26.2)
4.07	(103.5)	75	1.01	(25.7)
4.05	(103.0)	80	0.99	(25.1)
4.03	(102.5)	85	0.97	(24.6)
4.01	(102.0)	90	0.95	(24.1)
3.99	(101.5)	95	0.93	(23.6)
3.97	(101.0)	100	0.91	(23.1)
3.95	(100.5)	105	0.89	(22.6)
3.93	(100.0)	110	0.87	(22.1)
3.91	(99.5)	115	0.85	(21.6)
3.89	(99.0)	120	0.83	(21.1)

Undercarriage Code: 132, 133, 1408

D5H, D6M, D6N, 517 — 7.50" (190 mm)

Bushings for Heavy Duty Track

Caliper		Allowable Wear		Ultrasonic		Depth Gauge	
		Lesser	Greater				
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
2.56	(65.0)	0	0	0.51	(13.0)	3.19	(81.0)
2.55	(64.8)	5	4	0.50	(12.7)	3.18	(80.8)
2.54	(64.5)	10	8	0.49	(12.4)	3.17	(80.5)
2.53	(64.3)	15	12	0.48	(12.2)	3.16	(80.3)
2.52	(64.0)	20	16	0.47	(11.9)	3.15	(80.0)
2.51	(63.8)	25	20	0.46	(11.7)	3.14	(79.8)
2.50	(63.5)	30	24	0.45	(11.4)	3.13	(79.5)
2.49	(63.2)	35	28	0.44	(11.2)	3.12	(79.2)
2.48	(63.0)	40	32	0.43	(10.9)	3.11	(79.0)
2.47	(62.7)	45	36	0.42	(10.7)	3.10	(78.7)
2.46	(62.5)	50	40	0.41	(10.4)	3.09	(78.5)
2.45	(62.2)	55	44	0.40	(10.2)	3.08	(78.2)
2.44	(62.0)	60	46	0.39	(9.9)	3.07	(78.0)
2.43	(61.7)	65	48	0.38	(9.7)	3.06	(77.7)
2.42	(61.5)	70	50	0.37	(9.4)	3.05	(77.5)
2.41	(61.2)	72	52	0.36	(9.1)	3.04	(77.2)
2.40	(61.0)	74	54	0.35	(8.9)	3.03	(77.0)
2.39	(60.7)	76	56	0.34	(8.6)	3.02	(76.7)
2.38	(60.5)	78	58	0.33	(8.4)	3.01	(76.5)
2.37	(60.2)	80	60	0.32	(8.1)	3.00	(76.2)
2.36	(59.9)	82	62	0.31	(7.9)	2.99	(75.9)
2.35	(59.7)	84	64	0.30	(7.6)	2.98	(75.7)
2.34	(59.4)	86	66	0.29	(7.4)	2.97	(75.4)
2.33	(59.2)	88	68	0.28	(7.1)	2.96	(75.2)
2.32	(58.9)	90	70	0.27	(6.9)	2.95	(74.9)
2.31	(58.7)	92	72	0.26	(6.6)	2.94	(74.7)
2.30	(58.4)	94	74	0.25	(6.3)	2.93	(74.4)
2.29	(58.2)	96	76	0.24	(6.1)	2.92	(74.2)
2.28	(57.9)	98	78	0.23	(5.8)	2.91	(73.9)
2.27	(57.7)	100	80	0.22	(5.6)	2.90	(73.7)
2.26	(57.4)	102	82	0.21	(5.3)	2.89	(73.4)
2.25	(57.2)	104	84	0.20	(5.1)	2.88	(73.2)
2.24	(56.9)	106	86	0.19	(4.8)	2.87	(72.9)
2.23	(56.6)	108	88	0.18	(4.6)	2.86	(72.6)
2.22	(56.4)	110	90	0.17	(4.3)	2.85	(72.4)
2.21	(56.1)	112	92	0.16	(4.1)	2.84	(72.1)
2.20	(55.9)	114	94	0.15	(3.8)	2.83	(71.9)
2.19	(55.6)	116	96	0.14	(3.6)	2.82	(71.6)
2.18	(55.4)	118	98	0.13	(3.3)	2.81	(71.4)
2.17	(55.1)	120	100	0.12	(3.0)	2.80	(71.1)
2.16	(54.9)		102	0.11	(2.8)	2.79	(70.9)
2.15	(54.6)		104	0.10	(2.5)	2.78	(70.6)
2.14	(54.4)		106	0.09	(2.3)	2.77	(70.4)
2.13	(54.1)		108	0.08	(2.0)	2.76	(70.1)
2.12	(53.8)		110	0.07	(1.8)	2.75	(69.9)
2.11	(53.6)		112	0.06	(1.5)	2.74	(69.6)
2.10	(53.3)		114	0.05	(1.3)	2.73	(69.3)
2.09	(53.1)		116	0.04	(1.0)	2.72	(69.1)
2.08	(52.8)		118	0.03	(0.8)	2.71	(68.8)
2.07	(52.6)		120	0.02	(0.5)	2.70	(68.6)

NOTE: DO NOT USE DEPTH GAUGE UNTIL BUSHINGS HAVE BEEN "TURNED."

Undercarriage Code: 1338, 137, 140, 141, 1411, 144, 146, 1461, 280, 281

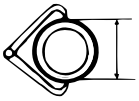
Bushings for Rotating Bushing Track

Caliper			Ultrasonic		Depth Gauge	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
2.56	(65.0)	0	0.52	(13.2)	3.19	(81.0)
2.54	(64.5)	4	0.51	(13.0)	3.18	(80.8)
2.52	(64.0)	8	0.50	(12.7)	3.17	(80.5)
2.50	(63.5)	12	0.49	(12.4)	3.16	(80.3)
2.48	(63.0)	16	0.48	(12.2)	3.15	(80.0)
2.46	(62.5)	20	0.47	(11.9)	3.14	(79.8)
2.44	(62.0)	24	0.46	(11.7)	3.13	(79.5)
2.42	(61.5)	28	0.45	(11.4)	3.12	(79.2)
2.40	(61.0)	32	0.44	(11.2)	3.11	(79.0)
2.38	(60.5)	36	0.43	(10.9)	3.10	(78.7)
2.36	(59.9)	40	0.42	(10.7)	3.09	(78.5)
2.34	(59.4)	42	0.41	(10.4)	3.08	(78.2)
2.32	(58.9)	44	0.40	(10.2)	3.07	(78.0)
2.30	(58.4)	46	0.39	(9.9)	3.06	(77.7)
2.28	(57.9)	48	0.38	(9.7)	3.05	(77.5)
2.26	(57.4)	50	0.37	(9.4)	3.04	(77.2)
2.24	(56.9)	52	0.36	(9.1)	3.03	(77.0)
2.22	(56.4)	54	0.35	(8.9)	3.02	(76.7)
2.20	(55.9)	56	0.34	(8.6)	3.01	(76.5)
2.18	(55.4)	58	0.33	(8.4)	3.00	(76.2)
2.16	(54.9)	60	0.32	(8.1)	2.99	(75.9)
2.14	(54.4)	62	0.31	(7.9)	2.98	(75.7)
2.12	(53.8)	64	0.30	(7.6)	2.97	(75.4)
2.10	(53.3)	66	0.29	(7.4)	2.96	(75.2)
2.08	(52.8)	68	0.28	(7.1)	2.95	(74.9)
2.06	(52.3)	70	0.27	(6.9)	2.94	(74.7)
2.04	(51.8)	72	0.26	(6.6)	2.93	(74.4)
2.02	(51.3)	74	0.25	(6.3)	2.92	(74.2)
2.00	(50.8)	76	0.24	(6.1)	2.91	(73.9)
1.98	(50.3)	78	0.23	(5.8)	2.90	(73.7)
1.96	(49.8)	80	0.22	(5.6)	2.89	(73.4)
1.94	(49.3)	82	0.21	(5.3)	2.88	(73.2)
1.92	(48.8)	84	0.20	(5.1)	2.87	(72.9)
1.90	(48.3)	86	0.19	(4.8)	2.86	(72.6)
1.88	(47.8)	88	0.18	(4.6)	2.85	(72.4)
1.86	(47.2)	90	0.17	(4.3)	2.84	(72.1)
1.84	(46.7)	92	0.16	(4.1)	2.83	(71.9)
1.82	(46.2)	94	0.15	(3.8)	2.82	(71.6)
1.80	(45.7)	96	0.14	(3.6)	2.81	(71.4)
1.78	(45.2)	98	0.13	(3.3)	2.80	(71.1)
1.76	(44.7)	100	0.12	(3.0)	2.79	(70.9)
1.74	(44.2)	102	0.11	(2.8)	2.78	(70.6)
1.72	(43.7)	104	0.10	(2.5)	2.77	(70.4)
1.70	(43.2)	106	0.09	(2.3)	2.76	(70.1)
1.68	(42.7)	108	0.08	(2.0)	2.75	(69.9)
1.66	(42.2)	110	0.07	(1.8)	2.74	(69.6)
1.64	(41.7)	112	0.06	(1.5)	2.73	(69.3)
1.62	(41.1)	114	0.05	(1.3)	2.72	(69.1)
1.60	(40.6)	116	0.04	(1.0)	2.71	(68.8)
1.58	(40.1)	118	0.03	(0.8)	2.70	(68.6)
1.56	(39.6)	120	0.02	(0.5)	2.69	(68.3)

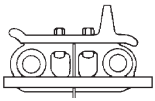
Undercarriage Code: 1338, 137, 140, 141, 1411, 144, 146, 1461, 280, 281

D5H, D6M, D6N, 517 — 7.50" (190 mm)

Bushings for Sealed & Lubricated Track







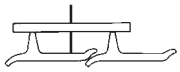
Caliper		Allowable Wear Lesser	Greater	Ultrasonic		Depth Gauge	
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
2.53	(64.3)	0	0	0.52	(13.2)	3.11	(79.0)
2.52	(64.0)	5	4	0.51	(13.0)	3.10	(78.7)
2.51	(63.8)	10	8	0.50	(12.7)	3.09	(78.5)
2.50	(63.5)	15	12	0.49	(12.4)	3.08	(78.2)
2.49	(63.2)	20	16	0.48	(12.2)	3.07	(78.0)
2.48	(63.0)	25	20	0.47	(11.9)	3.06	(77.7)
2.47	(62.7)	30	24	0.46	(11.7)	3.05	(77.5)
2.46	(62.5)	35	28	0.45	(11.4)	3.04	(77.2)
2.45	(62.2)	40	32	0.44	(11.2)	3.03	(77.0)
2.44	(62.0)	45	36	0.43	(10.9)	3.02	(76.7)
2.43	(61.7)	50	40	0.42	(10.7)	3.01	(76.5)
2.42	(61.5)	55	42	0.41	(10.4)	3.00	(76.2)
2.41	(61.2)	60	44	0.40	(10.2)	2.99	(75.9)
2.40	(61.0)	65	46	0.39	(9.9)	2.98	(75.7)
2.39	(60.7)	68	48	0.38	(9.7)	2.97	(75.4)
2.38	(60.5)	70	50	0.37	(9.4)	2.96	(75.2)
2.37	(60.2)	72	52	0.36	(9.1)	2.95	(74.9)
2.36	(59.9)	74	54	0.35	(8.9)	2.94	(74.7)
2.35	(59.7)	76	56	0.34	(8.6)	2.93	(74.4)
2.34	(59.4)	78	58	0.33	(8.4)	2.92	(74.2)
2.33	(59.2)	80	60	0.32	(8.1)	2.91	(73.9)
2.32	(58.9)	82	62	0.31	(7.9)	2.90	(73.7)
2.31	(58.7)	84	64	0.30	(7.6)	2.89	(73.4)
2.30	(58.4)	86	66	0.29	(7.4)	2.88	(73.2)
2.29	(58.2)	88	68	0.28	(7.1)	2.87	(72.9)
2.28	(57.9)	90	70	0.27	(6.9)	2.86	(72.6)
2.27	(57.7)	92	72	0.26	(6.6)	2.85	(72.4)
2.26	(57.4)	94	74	0.25	(6.3)	2.84	(72.1)
2.25	(57.2)	96	76	0.24	(6.1)	2.83	(71.9)
2.24	(56.9)	98	78	0.23	(5.8)	2.82	(71.6)
2.23	(56.6)	100	80	0.22	(5.6)	2.81	(71.4)
2.22	(56.4)	102	82	0.21	(5.3)	2.80	(71.1)
2.21	(56.1)	104	84	0.20	(5.1)	2.79	(70.9)
2.20	(55.9)	106	86	0.19	(4.8)	2.78	(70.6)
2.19	(55.6)	108	88	0.18	(4.6)	2.77	(70.4)
2.18	(55.4)	110	90	0.17	(4.3)	2.76	(70.1)
2.17	(55.1)	112	92	0.16	(4.1)	2.75	(69.9)
2.16	(54.9)	114	94	0.15	(3.8)	2.74	(69.6)
2.15	(54.6)	116	96	0.14	(3.6)	2.73	(69.3)
2.14	(54.4)	118	98	0.13	(3.3)	2.72	(69.1)
2.13	(54.1)	120	100	0.12	(3.0)	2.71	(68.8)
2.12	(53.8)		102	0.11	(2.8)	2.70	(68.6)
2.11	(53.6)		104	0.10	(2.5)	2.69	(68.3)
2.10	(53.3)		106	0.09	(2.3)	2.68	(68.1)
2.09	(53.1)		108	0.08	(2.0)	2.67	(67.8)
2.08	(52.8)		110	0.07	(1.8)	2.66	(67.6)
2.07	(52.6)		112	0.06	(1.5)	2.65	(67.3)
2.06	(52.3)		114	0.05	(1.3)	2.64	(67.1)
2.05	(52.1)		116	0.04	(1.0)	2.63	(66.8)
2.04	(51.8)		118	0.03	(0.8)	2.62	(66.5)
2.03	(51.6)		120	0.02	(0.5)	2.61	(66.3)

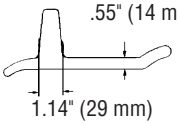
NOTE: DO NOT USE DEPTH GAUGE UNTIL BUSHINGS HAVE BEEN "TURNED."

Undercarriage Code: 132, 133, 1408

Track Shoes

Extreme Service





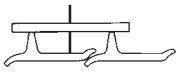


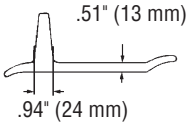
Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
2.60	(66.0)	0	3.15	(80.0)
2.55	(65.0)	3	3.10	(78.7)
2.50	(63.5)	6	3.05	(77.5)
2.45	(62.0)	9	3.00	(76.2)
2.40	(61.0)	12	2.95	(74.9)
2.35	(59.5)	15	2.90	(73.7)
2.30	(58.5)	18	2.85	(72.4)
2.25	(57.0)	21	2.80	(71.1)
2.20	(56.0)	24	2.75	(69.9)
2.15	(54.5)	27	2.70	(68.6)
2.10	(53.5)	30	2.65	(67.3)
2.05	(52.0)	33	2.60	(66.0)
2.00	(51.0)	36	2.55	(64.8)
1.95	(49.5)	39	2.50	(63.5)
1.90	(48.5)	42	2.45	(62.2)
1.85	(47.0)	45	2.40	(61.0)
1.80	(45.5)	48	2.35	(59.7)
1.75	(44.5)	51	2.30	(58.4)
1.70	(43.0)	54	2.25	(57.2)
1.65	(42.0)	57	2.20	(55.9)
1.60	(40.5)	60	2.15	(54.6)
1.55	(39.5)	63	2.10	(53.3)
1.50	(38.0)	66	2.05	(52.1)
1.45	(37.0)	69	2.00	(50.8)
1.40	(35.5)	72	1.95	(49.5)
1.35	(34.5)	75	1.90	(48.3)
1.30	(33.0)	78	1.85	(47.0)
1.25	(32.0)	81	1.80	(45.7)
1.20	(30.5)	84	1.75	(44.5)
1.15	(29.0)	87	1.70	(43.2)
1.10	(28.0)	90	1.65	(41.9)
1.05	(26.5)	92	1.60	(40.6)
1.00	(25.5)	94	1.55	(39.4)
0.95	(24.0)	96	1.50	(38.1)
0.90	(23.0)	98	1.45	(36.8)
0.85	(21.5)	100	1.40	(35.6)
0.80	(20.5)	102	1.35	(34.3)
0.75	(19.0)	104	1.30	(33.0)
0.70	(18.0)	106	1.25	(31.8)
0.65	(16.5)	108	1.20	(30.5)
0.60	(15.0)	110	1.15	(29.2)
0.55	(14.0)	112	1.10	(27.9)
0.50	(12.5)	114	1.05	(26.7)
0.45	(11.5)	116	1.00	(25.4)
0.40	(10.0)	118	0.95	(24.1)
0.35	(9.0)	120	0.90	(22.9)

Undercarriage Code: 132, 133, 1338, 137, 140, 1408, 141, 1411, 144, 146, 1461, 280, 281

Track Shoes

Moderate Service





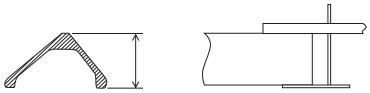


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
2.25	(57.0)	0	2.75	(69.9)
2.20	(56.0)	4	2.70	(68.6)
2.15	(54.5)	8	2.65	(67.3)
2.10	(53.5)	12	2.60	(66.0)
2.05	(52.0)	16	2.55	(64.8)
2.00	(51.0)	20	2.50	(63.5)
1.95	(49.5)	24	2.45	(62.2)
1.90	(48.5)	28	2.40	(61.0)
1.85	(47.0)	31	2.35	(59.7)
1.80	(45.5)	34	2.30	(58.4)
1.75	(44.5)	37	2.25	(57.2)
1.70	(43.0)	40	2.20	(55.9)
1.65	(42.0)	43	2.15	(54.6)
1.60	(40.5)	46	2.10	(53.3)
1.55	(39.5)	49	2.05	(52.1)
1.50	(38.0)	52	2.00	(50.8)
1.45	(37.0)	55	1.95	(49.5)
1.40	(35.5)	58	1.90	(48.3)
1.35	(34.5)	61	1.85	(47.0)
1.30	(33.0)	64	1.80	(45.7)
1.25	(32.0)	67	1.75	(44.5)
1.20	(30.5)	70	1.70	(43.2)
1.15	(29.0)	73	1.65	(41.9)
1.10	(28.0)	76	1.60	(40.6)
1.05	(26.5)	79	1.55	(39.4)
1.00	(25.5)	82	1.50	(38.1)
0.95	(24.0)	85	1.45	(36.8)
0.90	(23.0)	88	1.40	(35.6)
0.85	(21.5)	91	1.35	(34.3)
0.80	(20.5)	94	1.30	(33.0)
0.75	(19.0)	97	1.25	(31.8)
0.70	(18.0)	100	1.20	(30.5)
0.65	(16.5)	103	1.15	(29.2)
0.60	(15.0)	106	1.10	(27.9)
0.55	(14.0)	109	1.05	(26.7)
0.50	(12.5)	112	1.00	(25.4)
0.45	(11.5)	115	0.95	(24.1)
0.40	(10.0)	118	0.90	(22.9)
0.35	(9.0)	121	0.85	(21.6)

Undercarriage Code: 132, 133, 1338, 137, 140, 1408, 141, 1411, 144, 146, 1461, 280, 281

Track Shoes

Self Cleaning



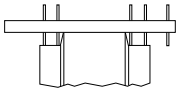
Depth Gauge Inches	(mm)	% Worn
3.14	(80.0)	0
3.12	(79.0)	4
3.10	(78.5)	8
3.08	(78.0)	12
3.06	(77.5)	16
3.04	(77.0)	20
3.02	(76.5)	24
3.00	(76.0)	28
2.98	(75.5)	32
2.96	(75.0)	36
2.94	(74.5)	40
2.92	(74.0)	44
2.90	(73.5)	48
2.88	(73.0)	52
2.86	(72.5)	55
2.84	(72.0)	58
2.82	(71.5)	61
2.80	(71.0)	64
2.78	(70.5)	67
2.76	(70.0)	70
2.74	(69.5)	73
2.72	(69.0)	76
2.70	(68.5)	79
2.68	(68.0)	82
2.66	(67.5)	85
2.64	(67.0)	88
2.62	(66.5)	91
2.60	(66.0)	94
2.58	(65.5)	97
2.56	(65.0)	100
2.54	(64.5)	103
2.52	(64.0)	106
2.50	(63.5)	109
2.48	(63.0)	112
2.46	(62.5)	115
2.44	(62.0)	118
2.42	(61.5)	121

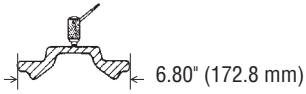
Undercarriage Code: 132, 133, 1338, 137, 140, 1408, 141, 1411, 144, 146, 1461

D5H, D6M, D6N, 517 — 7.50" (190 mm)

Idlers

Extended Life Idler





Depth Gauge Inches	(mm)	% Worn
0.94	(24.0)	0
0.96	(24.5)	4
0.98	(25.0)	8
1.00	(25.5)	12
1.02	(26.0)	16
1.04	(26.5)	20
1.06	(27.0)	24
1.08	(27.5)	28
1.10	(28.0)	32
1.12	(28.5)	36
1.14	(29.0)	40
1.16	(29.5)	44
1.18	(30.0)	48
1.20	(30.5)	52
1.22	(31.0)	56
1.24	(31.5)	60
1.26	(32.0)	64
1.28	(32.5)	68
1.30	(33.0)	72
1.32	(33.5)	76
1.34	(34.0)	78
1.36	(34.5)	80
1.38	(35.0)	82
1.40	(35.5)	84
1.42	(36.0)	86
1.44	(36.5)	88
1.46	(37.0)	90
1.48	(37.5)	92
1.50	(38.0)	94
1.52	(38.5)	96
1.54	(39.0)	98
1.56	(39.5)	100
1.58	(40.0)	102
1.60	(40.5)	104
1.62	(41.0)	106
1.64	(41.5)	108
1.66	(42.0)	110
1.68	(42.5)	112
1.70	(43.0)	114
1.72	(43.5)	116
1.74	(44.0)	118
1.76	(44.5)	120

Flange width: 3.31" (84 mm)

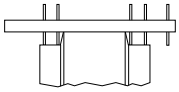
Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.40	(10.2)	0.00	(0.0)
0.38	(9.7)	0.02	(0.5)
0.36	(9.1)	0.04	(1.0)
0.34	(8.6)	0.06	(1.5)
0.32	(8.1)	0.08	(2.0)
0.30	(7.6)	0.10	(2.5)
0.28	(7.1)	0.12	(3.0)
0.26	(6.6)	0.14	(3.5)
0.24	(6.1)	0.16	(4.0)
0.22	(5.6)	0.18	(4.5)
0.20	(5.1)	0.20	(5.0)
0.18	(4.6)	0.22	(5.5)
0.16	(4.1)	0.24	(6.0)
0.14	(3.6)	0.26	(6.5)
0.12	(3.0)	0.28	(7.0)
0.10	(2.5)	0.30	(7.5)
0.08	(2.0)	0.32	(8.0)
0.06	(1.5)	0.34	(8.5)
0.04	(1.0)	0.36	(9.0)
0.02	(0.5)	0.38	(9.5)

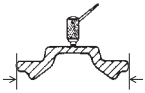
NOTE: Ultrasonic measurement is to determine flange wear only.

Undercarriage Code: 1411, 146, 1461

Idlers

Original Idler





Depth Gauge Inches	(mm)	% Worn
0.74	(19.0)	0
0.76	(19.5)	7
0.78	(20.0)	14
0.80	(20.5)	21
0.82	(21.0)	28
0.84	(21.5)	35
0.86	(22.0)	42
0.88	(22.5)	49
0.90	(23.0)	56
0.92	(23.5)	63
0.94	(24.0)	67
0.96	(24.5)	70
0.98	(25.0)	73
1.00	(25.5)	76
1.02	(26.0)	79
1.04	(26.5)	82
1.06	(27.0)	85
1.08	(27.5)	88
1.10	(28.0)	91
1.12	(28.5)	94
1.14	(29.0)	97
1.16	(29.5)	100
1.18	(30.0)	103
1.20	(30.5)	106
1.22	(31.0)	109
1.24	(31.5)	112
1.26	(32.0)	115
1.28	(32.5)	118
1.30	(33.0)	121

Flange width: 3.31" (84 mm)

Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.40	(10.2)	0.00	(0.0)
0.38	(9.7)	0.02	(0.5)
0.36	(9.1)	0.04	(1.0)
0.34	(8.6)	0.06	(1.5)
0.32	(8.1)	0.08	(2.0)
0.30	(7.6)	0.10	(2.5)
0.28	(7.1)	0.12	(3.0)
0.26	(6.6)	0.14	(3.5)
0.24	(6.1)	0.16	(4.0)
0.22	(5.6)	0.18	(4.5)
0.20	(5.1)	0.20	(5.0)
0.18	(4.6)	0.22	(5.5)
0.16	(4.1)	0.24	(6.0)
0.14	(3.6)	0.26	(6.5)
0.12	(3.0)	0.28	(7.0)
0.10	(2.5)	0.30	(7.5)
0.08	(2.0)	0.32	(8.0)
0.06	(1.5)	0.34	(8.5)
0.04	(1.0)	0.36	(9.0)
0.02	(0.5)	0.38	(9.5)

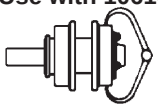
NOTE: Ultrasonic measurement is to determine flange wear only.

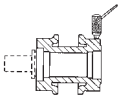
Undercarriage Code: 132, 133, 1338, 137, 140, 1408, 141, 144, 280, 281

D5H, D6M, D6N, 517 — 7.50" (190 mm)

Carrier Rollers

Use with 1061625 & 26 Heavy Duty and Rotating Bushing Track



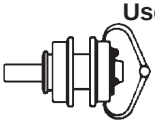


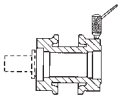
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
6.75	(171.5)	0	1.55	(39.4)
6.71	(170.5)	3	1.53	(38.9)
6.67	(169.5)	6	1.51	(38.4)
6.63	(168.5)	9	1.49	(37.8)
6.59	(167.5)	12	1.47	(37.3)
6.55	(166.5)	15	1.45	(36.8)
6.51	(165.5)	18	1.43	(36.3)
6.47	(164.5)	21	1.41	(35.8)
6.43	(163.5)	24	1.39	(35.3)
6.39	(162.5)	27	1.37	(34.8)
6.35	(161.5)	30	1.35	(34.3)
6.31	(160.5)	33	1.33	(33.8)
6.27	(159.5)	36	1.31	(33.3)
6.23	(158.0)	39	1.29	(32.8)
6.19	(157.0)	42	1.27	(32.3)
6.15	(156.0)	45	1.25	(31.8)
6.11	(155.0)	48	1.23	(31.2)
6.07	(154.0)	51	1.21	(30.7)
6.03	(153.0)	54	1.19	(30.2)
5.99	(152.0)	57	1.17	(29.7)
5.95	(151.0)	60	1.15	(29.2)
5.91	(150.0)	63	1.13	(28.7)
5.87	(149.0)	66	1.11	(28.2)
5.83	(148.0)	69	1.09	(27.7)
5.79	(147.0)	72	1.07	(27.2)
5.75	(146.0)	74	1.05	(26.7)
5.71	(145.0)	76	1.03	(26.2)
5.67	(144.0)	78	1.01	(25.7)
5.63	(143.0)	80	0.99	(25.1)
5.59	(142.0)	82	0.97	(24.6)
5.55	(141.0)	84	0.95	(24.1)
5.51	(140.0)	86	0.93	(23.6)
5.47	(139.0)	88	0.91	(23.1)
5.43	(138.0)	90	0.89	(22.6)
5.39	(137.0)	92	0.87	(22.1)
5.35	(136.0)	94	0.85	(21.6)
5.31	(135.0)	96	0.83	(21.1)
5.27	(134.0)	98	0.81	(20.6)
5.23	(133.0)	100	0.79	(20.1)
5.19	(132.0)	102	0.77	(19.6)
5.15	(131.0)	104	0.75	(19.1)
5.11	(130.0)	106	0.73	(18.5)
5.07	(129.0)	108	0.71	(18.0)
5.03	(128.0)	110	0.69	(17.5)
4.99	(126.5)	112	0.67	(17.0)
4.95	(125.5)	114	0.65	(16.5)
4.91	(124.5)	116	0.63	(16.0)
4.87	(123.5)	118	0.61	(15.5)
4.83	(122.5)	120	0.59	(15.0)

Undercarriage Code: 1338, 137, 140, 141, 1411, 144, 146, 1461, 280, 281

Carrier Rollers

Use with 3T Sealed and Lubricated Track





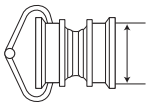
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
6.75	(171.5)	0	1.55	(39.4)
6.71	(170.5)	4	1.53	(38.9)
6.67	(169.5)	8	1.51	(38.4)
6.63	(168.5)	12	1.49	(37.8)
6.59	(167.5)	16	1.47	(37.3)
6.55	(166.5)	20	1.45	(36.8)
6.51	(165.5)	24	1.43	(36.3)
6.47	(164.5)	28	1.41	(35.8)
6.43	(163.5)	32	1.39	(35.3)
6.39	(162.5)	36	1.37	(34.8)
6.35	(161.5)	40	1.35	(34.3)
6.31	(160.5)	44	1.33	(33.8)
6.27	(159.5)	48	1.31	(33.3)
6.23	(158.0)	52	1.29	(32.8)
6.19	(157.0)	56	1.27	(32.3)
6.15	(156.0)	60	1.25	(31.8)
6.11	(155.0)	64	1.23	(31.2)
6.07	(154.0)	68	1.21	(30.7)
6.03	(153.0)	72	1.19	(30.2)
5.99	(152.0)	76	1.17	(29.7)
5.95	(151.0)	79	1.15	(29.2)
5.91	(150.0)	82	1.13	(28.7)
5.87	(149.0)	85	1.11	(28.2)
5.83	(148.0)	88	1.09	(27.7)
5.79	(147.0)	91	1.07	(27.2)
5.75	(146.0)	94	1.05	(26.7)
5.71	(145.0)	97	1.03	(26.2)
5.67	(144.0)	100	1.01	(25.7)
5.63	(143.0)	103	0.99	(25.1)
5.59	(142.0)	106	0.97	(24.6)
5.55	(141.0)	109	0.95	(24.1)
5.51	(140.0)	112	0.93	(23.6)
5.47	(139.0)	115	0.91	(23.1)
5.43	(138.0)	118	0.89	(22.6)
5.39	(137.0)	121	0.87	(22.1)

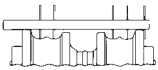
Undercarriage Code: 132, 133, 1408

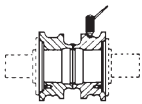
D5H, D6M, D6N, 517 — 7.50" (190 mm)

Track Rollers with End Collars

Use with Heavy Duty or Rotating Bushing Track
106-1625 & 26 Links







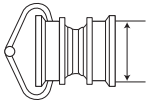
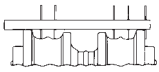
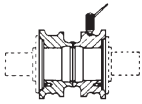
Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
7.75	(197.0)	0	0.59	(15.0)	1.75	(44.5)
7.71	(196.0)	3	0.61	(15.5)	1.73	(43.9)
7.67	(195.0)	6	0.63	(16.0)	1.71	(43.4)
7.63	(194.0)	9	0.65	(16.5)	1.69	(42.9)
7.59	(193.0)	12	0.67	(17.0)	1.67	(42.4)
7.55	(192.0)	15	0.69	(17.5)	1.65	(41.9)
7.51	(191.0)	18	0.71	(18.0)	1.63	(41.4)
7.47	(189.5)	21	0.73	(18.5)	1.61	(40.9)
7.43	(188.5)	24	0.75	(19.0)	1.59	(40.4)
7.39	(187.5)	27	0.77	(19.5)	1.57	(39.9)
7.35	(186.5)	30	0.79	(20.0)	1.55	(39.4)
7.31	(185.5)	33	0.81	(20.5)	1.53	(38.9)
7.27	(184.5)	36	0.83	(21.0)	1.51	(38.4)
7.23	(183.5)	39	0.85	(21.5)	1.49	(37.8)
7.19	(182.5)	42	0.87	(22.0)	1.47	(37.3)
7.15	(181.5)	45	0.89	(22.5)	1.45	(36.8)
7.11	(180.5)	48	0.91	(23.0)	1.43	(36.3)
7.07	(179.5)	51	0.93	(23.5)	1.41	(35.8)
7.03	(178.5)	54	0.95	(24.0)	1.39	(35.3)
6.99	(177.5)	57	0.97	(24.5)	1.37	(34.8)
6.95	(176.5)	60	0.99	(25.0)	1.35	(34.3)
6.91	(175.5)	63	1.01	(25.5)	1.33	(33.8)
6.87	(174.5)	66	1.03	(26.0)	1.31	(33.3)
6.83	(173.5)	69	1.05	(26.5)	1.29	(32.8)
6.79	(172.5)	72	1.07	(27.0)	1.27	(32.3)
6.75	(171.5)	75	1.09	(27.5)	1.25	(31.8)
6.71	(170.5)	78	1.11	(28.0)	1.23	(31.2)
6.67	(169.5)	81	1.13	(28.5)	1.21	(30.7)
6.63	(168.5)	84	1.15	(29.0)	1.19	(30.2)
6.59	(167.5)	87	1.17	(29.5)	1.17	(29.7)
6.55	(166.5)	90	1.19	(30.0)	1.15	(29.2)
6.51	(165.5)	92	1.21	(30.5)	1.13	(28.7)
6.47	(164.5)	94	1.23	(31.0)	1.11	(28.2)
6.43	(163.5)	96	1.25	(32.0)	1.09	(27.7)
6.39	(162.5)	98	1.27	(32.5)	1.07	(27.2)
6.35	(161.5)	100	1.29	(33.0)	1.05	(26.7)
6.31	(160.5)	102	1.31	(33.5)	1.03	(26.2)
6.27	(159.5)	104	1.33	(34.0)	1.01	(25.7)
6.23	(158.0)	106	1.35	(34.5)	0.99	(25.1)
6.19	(157.0)	108	1.37	(35.0)	0.97	(24.6)
6.15	(156.0)	110	1.39	(35.5)	0.95	(24.1)
6.11	(155.0)	112	1.41	(36.0)	0.93	(23.6)
6.07	(154.0)	114	1.43	(36.5)	0.91	(23.1)
6.03	(153.0)	116	1.45	(37.0)	0.89	(22.6)
5.99	(152.0)	118	1.47	(37.5)	0.87	(22.1)
5.95	(151.0)	120	1.49	(38.0)	0.85	(21.6)
5.91	(150.0)	122	1.51	(38.5)	0.83	(21.1)
5.87	(149.0)	124	1.53	(39.0)	0.81	(20.6)
5.83	(148.0)	126	1.55	(39.5)	0.79	(20.1)
5.79	(147.0)	128	1.57	(40.0)	0.77	(19.6)

Flange diameter is 8.94" (227 mm)

Undercarriage Code: 137, 140, 141, 1411, 144, 146, 1461, 280, 281

Track Rollers with End Collars

Use with Sealed and Lubricated Track
6Y9267 & 68 Links

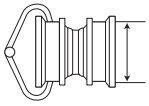
Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
7.75	(197.0)	0	0.59	(15.0)	1.75	(44.5)
7.71	(196.0)	4	0.61	(15.5)	1.73	(43.9)
7.67	(195.0)	8	0.63	(16.0)	1.71	(43.4)
7.63	(194.0)	12	0.65	(16.5)	1.69	(42.9)
7.59	(193.0)	16	0.67	(17.0)	1.67	(42.4)
7.55	(192.0)	20	0.69	(17.5)	1.65	(41.9)
7.51	(191.0)	24	0.71	(18.0)	1.63	(41.4)
7.47	(189.5)	28	0.73	(18.5)	1.61	(40.9)
7.43	(188.5)	32	0.75	(19.0)	1.59	(40.4)
7.39	(187.5)	36	0.77	(19.5)	1.57	(39.9)
7.35	(186.5)	40	0.79	(20.0)	1.55	(39.4)
7.31	(185.5)	43	0.81	(20.5)	1.53	(38.9)
7.27	(184.5)	46	0.83	(21.0)	1.51	(38.4)
7.23	(183.5)	49	0.85	(21.5)	1.49	(37.8)
7.19	(182.5)	52	0.87	(22.0)	1.47	(37.3)
7.15	(181.5)	55	0.89	(22.5)	1.45	(36.8)
7.11	(180.5)	58	0.91	(23.0)	1.43	(36.3)
7.07	(179.5)	61	0.93	(23.5)	1.41	(35.8)
7.03	(178.5)	64	0.95	(24.0)	1.39	(35.3)
6.99	(177.5)	67	0.97	(24.5)	1.37	(34.8)
6.95	(176.5)	70	0.99	(25.0)	1.35	(34.3)
6.91	(175.5)	73	1.01	(25.5)	1.33	(33.8)
6.87	(174.5)	76	1.03	(26.0)	1.31	(33.3)
6.83	(173.5)	79	1.05	(26.5)	1.29	(32.8)
6.79	(172.5)	82	1.07	(27.0)	1.27	(32.3)
6.75	(171.5)	85	1.09	(27.5)	1.25	(31.8)
6.71	(170.5)	88	1.11	(28.0)	1.23	(31.2)
6.67	(169.5)	91	1.13	(28.5)	1.21	(30.7)
6.63	(168.5)	94	1.15	(29.0)	1.19	(30.2)
6.59	(167.5)	97	1.17	(29.5)	1.17	(29.7)
6.55	(166.5)	100	1.19	(30.0)	1.15	(29.2)
6.51	(165.5)	103	1.21	(30.5)	1.13	(28.7)
6.47	(164.5)	106	1.23	(31.0)	1.11	(28.2)
6.43	(163.5)	109	1.25	(32.0)	1.09	(27.7)
6.39	(162.5)	112	1.27	(32.5)	1.07	(27.2)
6.35	(161.5)	115	1.29	(33.0)	1.05	(26.7)
6.31	(160.5)	118	1.31	(33.5)	1.03	(26.2)
6.27	(159.5)	121	1.33	(34.0)	1.01	(25.7)
6.23	(158.0)	124	1.35	(34.5)	0.99	(25.1)
6.19	(157.0)	127	1.37	(35.0)	0.97	(24.6)
6.15	(156.0)	130	1.39	(35.5)	0.95	(24.1)
6.11	(155.0)	133	1.41	(36.0)	0.93	(23.6)
6.07	(154.0)	136	1.43	(36.5)	0.91	(23.1)
6.03	(153.0)	139	1.45	(37.0)	0.89	(22.6)
5.99	(152.0)	142	1.47	(37.5)	0.87	(22.1)
5.95	(151.0)	145	1.49	(38.0)	0.85	(21.6)
5.91	(150.0)	148	1.51	(38.5)	0.83	(21.1)
5.87	(149.0)	151	1.53	(39.0)	0.81	(20.6)
5.83	(148.0)	154	1.55	(39.5)	0.79	(20.1)
5.79	(147.0)	157	1.57	(40.0)	0.77	(19.6)

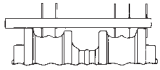
Flange diameter is 8.94" (227 mm)

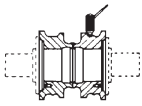
Undercarriage Code: 133, 1408

Tall Flange Track Rollers with End Collars

Tall Flange Double Flange Rollers
Use with Heavy Duty or Rotating Bushing Track
106-1625 & 26 Links







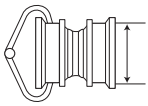
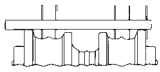
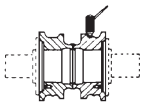
Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
7.75	(197.0)	0	0.78	(20.0)	1.75	(44.5)
7.71	(196.0)	4	0.80	(20.5)	1.73	(43.9)
7.67	(195.0)	8	0.82	(21.0)	1.71	(43.4)
7.63	(194.0)	12	0.84	(21.5)	1.69	(42.9)
7.59	(193.0)	16	0.86	(22.0)	1.67	(42.4)
7.55	(192.0)	20	0.88	(22.5)	1.65	(41.9)
7.51	(191.0)	24	0.90	(23.0)	1.63	(41.4)
7.47	(189.5)	28	0.92	(23.5)	1.61	(40.9)
7.43	(188.5)	32	0.94	(24.0)	1.59	(40.4)
7.39	(187.5)	36	0.96	(24.5)	1.57	(39.9)
7.35	(186.5)	40	0.98	(25.0)	1.55	(39.4)
7.31	(185.5)	44	1.00	(25.5)	1.53	(38.9)
7.27	(184.5)	48	1.02	(26.0)	1.51	(38.4)
7.23	(183.5)	52	1.04	(26.5)	1.49	(37.8)
7.19	(182.5)	56	1.06	(27.0)	1.47	(37.3)
7.15	(181.5)	60	1.08	(27.5)	1.45	(36.8)
7.11	(180.5)	64	1.10	(28.0)	1.43	(36.3)
7.07	(179.5)	68	1.12	(28.5)	1.41	(35.8)
7.03	(178.5)	72	1.14	(29.0)	1.39	(35.3)
6.99	(177.5)	76	1.16	(29.5)	1.37	(34.8)
6.95	(176.5)	80	1.18	(30.0)	1.35	(34.3)
6.91	(175.5)	84	1.20	(30.5)	1.33	(33.8)
6.87	(174.5)	88	1.22	(31.0)	1.31	(33.3)
6.83	(173.5)	92	1.24	(31.5)	1.29	(32.8)
6.79	(172.5)	96	1.26	(32.0)	1.27	(32.3)
6.75	(171.5)	100	1.28	(32.5)	1.25	(31.8)
6.71	(170.5)	103	1.30	(33.0)	1.23	(31.2)
6.67	(169.5)	106	1.32	(33.5)	1.21	(30.7)
6.63	(168.5)	109	1.34	(34.0)	1.19	(30.2)
6.59	(167.5)	112	1.36	(34.5)	1.17	(29.7)
6.55	(166.5)	115	1.38	(35.0)	1.15	(29.2)
6.51	(165.5)	118	1.40	(35.5)	1.13	(28.7)
6.47	(164.5)	121	1.42	(36.0)	1.11	(28.2)
6.43	(163.5)	124	1.44	(36.5)	1.09	(27.7)
6.39	(162.5)	127	1.46	(37.0)	1.07	(27.2)
6.35	(161.5)	130	1.48	(37.5)	1.05	(26.7)
6.31	(160.5)	133	1.50	(38.0)	1.03	(26.2)
6.27	(159.5)	136	1.52	(38.5)	1.01	(25.7)
6.23	(158.0)	139	1.54	(39.0)	0.99	(25.1)
6.19	(157.0)	142	1.56	(39.5)	0.97	(24.6)
6.15	(156.0)	145	1.58	(40.0)	0.95	(24.1)
6.11	(155.0)	148	1.60	(40.5)	0.93	(23.6)
6.07	(154.0)	151	1.62	(41.0)	0.91	(23.1)
6.03	(153.0)	154	1.64	(41.5)	0.89	(22.6)
5.99	(152.0)	157	1.66	(42.0)	0.87	(22.1)
5.95	(151.0)	160	1.68	(42.5)	0.85	(21.6)
5.91	(150.0)	163	1.70	(43.0)	0.83	(21.1)
5.87	(149.0)	166	1.72	(43.5)	0.81	(20.6)
5.83	(148.0)	169	1.74	(44.0)	0.79	(20.1)
5.79	(147.0)	172	1.76	(44.5)	0.77	(19.6)

Flange diameter is 9.33" (237 mm)

Undercarriage Code: 140, 144, 1461, 281

Track Rollers with Retainers

Use with Heavy Duty or Rotating Bushing Track
106-1625 & 26 Links

Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
7.75	(197.0)	0	0.59	(15.0)	1.87	(47.5)
7.71	(196.0)	3	0.61	(15.5)	1.85	(47.0)
7.67	(195.0)	6	0.63	(16.0)	1.83	(46.5)
7.63	(194.0)	9	0.65	(16.5)	1.81	(46.0)
7.59	(193.0)	12	0.67	(17.0)	1.79	(45.5)
7.55	(192.0)	15	0.69	(17.5)	1.77	(45.0)
7.51	(191.0)	18	0.71	(18.0)	1.75	(44.5)
7.47	(189.5)	21	0.73	(18.5)	1.73	(43.9)
7.43	(188.5)	24	0.75	(19.0)	1.71	(43.4)
7.39	(187.5)	27	0.77	(19.5)	1.69	(42.9)
7.35	(186.5)	30	0.79	(20.0)	1.67	(42.4)
7.31	(185.5)	33	0.81	(20.5)	1.65	(41.9)
7.27	(184.5)	36	0.83	(21.0)	1.63	(41.4)
7.23	(183.5)	39	0.85	(21.5)	1.61	(40.9)
7.19	(182.5)	42	0.87	(22.0)	1.59	(40.4)
7.15	(181.5)	45	0.89	(22.5)	1.57	(39.9)
7.11	(180.5)	48	0.91	(23.0)	1.55	(39.4)
7.07	(179.5)	51	0.93	(23.5)	1.53	(38.9)
7.03	(178.5)	54	0.95	(24.0)	1.51	(38.4)
6.99	(177.5)	57	0.97	(24.5)	1.49	(37.8)
6.95	(176.5)	60	0.99	(25.0)	1.47	(37.3)
6.91	(175.5)	63	1.01	(25.5)	1.45	(36.8)
6.87	(174.5)	66	1.03	(26.0)	1.43	(36.3)
6.83	(173.5)	69	1.05	(26.5)	1.41	(35.8)
6.79	(172.5)	72	1.07	(27.0)	1.39	(35.3)
6.75	(171.5)	75	1.09	(27.5)	1.37	(34.8)
6.71	(170.5)	78	1.11	(28.0)	1.35	(34.3)
6.67	(169.5)	81	1.13	(28.5)	1.33	(33.8)
6.63	(168.5)	84	1.15	(29.0)	1.31	(33.3)
6.59	(167.5)	87	1.17	(29.5)	1.29	(32.8)
6.55	(166.5)	90	1.19	(30.0)	1.27	(32.3)
6.51	(165.5)	92	1.21	(30.5)	1.25	(31.8)
6.47	(164.5)	94	1.23	(31.0)	1.23	(31.2)
6.43	(163.5)	96	1.25	(32.0)	1.21	(30.7)
6.39	(162.5)	98	1.27	(32.5)	1.19	(30.2)
6.35	(161.5)	100	1.29	(33.0)	1.17	(29.7)
6.31	(160.5)	102	1.31	(33.5)	1.15	(29.2)
6.27	(159.5)	104	1.33	(34.0)	1.13	(28.7)
6.23	(158.0)	106	1.35	(34.5)	1.11	(28.2)
6.19	(157.0)	108	1.37	(35.0)	1.09	(27.7)
6.15	(156.0)	110	1.39	(35.5)	1.07	(27.2)
6.11	(155.0)	112	1.41	(36.0)	1.05	(26.7)
6.07	(154.0)	114	1.43	(36.5)	1.03	(26.2)
6.03	(153.0)	116	1.45	(37.0)	1.01	(25.7)
5.99	(152.0)	118	1.47	(37.5)	0.99	(25.1)
5.95	(151.0)	120	1.49	(38.0)	0.97	(24.6)
5.91	(150.0)	122	1.51	(38.5)	0.95	(24.1)
5.87	(149.0)	124	1.53	(39.0)	0.93	(23.6)
5.83	(148.0)	126	1.55	(39.5)	0.91	(23.1)
5.79	(147.0)	128	1.57	(40.0)	0.89	(22.6)

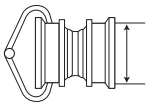
NOTE: New flange diameter is 8.94" (227 mm)

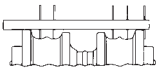
Undercarriage Code: 1338

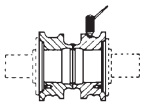
D5H, D6M, D6N, 517 — 7.50" (190 mm)

Track Rollers with Retainers

Use with Sealed & Lubricated Track
6Y9267 & 68 Links







Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
7.75	(197.0)	0	0.59	(15.0)	1.87	(47.5)
7.71	(196.0)	4	0.61	(15.5)	1.85	(47.0)
7.67	(195.0)	8	0.63	(16.0)	1.83	(46.5)
7.63	(194.0)	12	0.65	(16.5)	1.81	(46.0)
7.59	(193.0)	16	0.67	(17.0)	1.79	(45.5)
7.55	(192.0)	20	0.69	(17.5)	1.77	(45.0)
7.51	(191.0)	24	0.71	(18.0)	1.75	(44.5)
7.47	(189.5)	28	0.73	(18.5)	1.73	(43.9)
7.43	(188.5)	32	0.75	(19.0)	1.71	(43.4)
7.39	(187.5)	36	0.77	(19.5)	1.69	(42.9)
7.35	(186.5)	40	0.79	(20.0)	1.67	(42.4)
7.31	(185.5)	44	0.81	(20.5)	1.65	(41.9)
7.27	(184.5)	48	0.83	(21.0)	1.63	(41.4)
7.23	(183.5)	52	0.85	(21.5)	1.61	(40.9)
7.19	(182.5)	56	0.87	(22.0)	1.59	(40.4)
7.15	(181.5)	60	0.89	(22.5)	1.57	(39.9)
7.11	(180.5)	64	0.91	(23.0)	1.55	(39.4)
7.07	(179.5)	68	0.93	(23.5)	1.53	(38.9)
7.03	(178.5)	72	0.95	(24.0)	1.51	(38.4)
6.99	(177.5)	76	0.97	(24.5)	1.49	(37.8)
6.95	(176.5)	80	0.99	(25.0)	1.47	(37.3)
6.91	(175.5)	82	1.01	(25.5)	1.45	(36.8)
6.87	(174.5)	84	1.03	(26.0)	1.43	(36.3)
6.83	(173.5)	86	1.05	(26.5)	1.41	(35.8)
6.79	(172.5)	88	1.07	(27.0)	1.39	(35.3)
6.75	(171.5)	90	1.09	(27.5)	1.37	(34.8)
6.71	(170.5)	92	1.11	(28.0)	1.35	(34.3)
6.67	(169.5)	94	1.13	(28.5)	1.33	(33.8)
6.63	(168.5)	96	1.15	(29.0)	1.31	(33.3)
6.59	(167.5)	98	1.17	(29.5)	1.29	(32.8)
6.55	(166.5)	100	1.19	(30.0)	1.27	(32.3)
6.51	(165.5)	102	1.21	(30.5)	1.25	(31.8)
6.47	(164.5)	104	1.23	(31.0)	1.23	(31.2)
6.43	(163.5)	106	1.25	(32.0)	1.21	(30.7)
6.39	(162.5)	108	1.27	(32.5)	1.19	(30.2)
6.35	(161.5)	110	1.29	(33.0)	1.17	(29.7)
6.31	(160.5)	112	1.31	(33.5)	1.15	(29.2)
6.27	(159.5)	114	1.33	(34.0)	1.13	(28.7)
6.23	(158.0)	116	1.35	(34.5)	1.11	(28.2)
6.19	(157.0)	118	1.37	(35.0)	1.09	(27.7)
6.15	(156.0)	120	1.39	(35.5)	1.07	(27.2)
6.11	(155.0)	122	1.41	(36.0)	1.05	(26.7)
6.07	(154.0)	124	1.43	(36.5)	1.03	(26.2)
6.03	(153.0)	126	1.45	(37.0)	1.01	(25.7)
5.99	(152.0)	128	1.47	(37.5)	0.99	(25.1)
5.95	(151.0)	130	1.49	(38.0)	0.97	(24.6)
5.91	(150.0)	132	1.51	(38.5)	0.95	(24.1)
5.87	(149.0)	134	1.53	(39.0)	0.93	(23.6)
5.83	(148.0)	136	1.55	(39.5)	0.91	(23.1)
5.79	(147.0)	138	1.57	(40.0)	0.89	(22.6)

Flange diameter is 8.94" (227 mm)

Undercarriage Code: 132

Sprockets



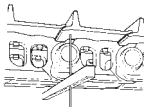
Tape Measure Inches	Tape Measure (mm)	% Worn
8.45	(214.5)	0
8.40	(213.5)	6
8.35	(212.0)	12
8.30	(211.0)	18
8.25	(209.5)	24
8.20	(208.5)	30
8.15	(207.0)	35
8.10	(205.5)	40
8.05	(204.5)	45
8.00	(203.0)	50
7.95	(202.0)	55
7.90	(200.5)	60
7.85	(199.5)	65
7.80	(198.0)	70
7.75	(197.0)	75
7.70	(195.5)	80
7.65	(194.5)	85
7.60	(193.0)	90
7.55	(192.0)	95
7.50	(190.5)	100
7.45	(189.0)	105
7.40	(188.0)	110
7.35	(186.5)	115
7.30	(185.5)	120

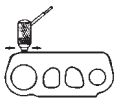
NOTE: Measure across 3 teeth

D6H, D6R, 527 — 8.00" (203.2 mm)

Track Links

Heavy Duty Track
Rotating Bushing Track
8E7405 & 06
195-6515 & 16



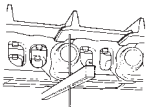


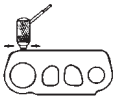
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
5.19	(132.0)	0	1.69	(42.9)
5.17	(131.5)	4	1.67	(42.4)
5.15	(131.0)	8	1.65	(41.9)
5.13	(130.5)	12	1.63	(41.4)
5.11	(130.0)	16	1.61	(40.9)
5.09	(129.5)	20	1.59	(40.4)
5.07	(129.0)	24	1.57	(39.9)
5.05	(128.5)	28	1.55	(39.4)
5.03	(128.0)	32	1.53	(38.9)
5.01	(127.5)	36	1.51	(38.4)
4.99	(126.5)	40	1.49	(37.8)
4.97	(126.0)	44	1.47	(37.3)
4.95	(125.5)	48	1.45	(36.8)
4.93	(125.0)	52	1.43	(36.3)
4.91	(124.5)	56	1.41	(35.8)
4.89	(124.0)	60	1.39	(35.3)
4.87	(123.5)	64	1.37	(34.8)
4.85	(123.0)	68	1.35	(34.3)
4.83	(122.5)	72	1.33	(33.8)
4.81	(122.0)	76	1.31	(33.3)
4.79	(121.5)	80	1.29	(32.8)
4.77	(121.0)	84	1.27	(32.3)
4.75	(120.5)	88	1.25	(31.8)
4.73	(120.0)	91	1.23	(31.2)
4.71	(119.5)	94	1.21	(30.7)
4.69	(119.0)	97	1.19	(30.2)
4.67	(118.5)	100	1.17	(29.7)
4.65	(118.0)	103	1.15	(29.2)
4.63	(117.5)	106	1.13	(28.7)
4.61	(117.0)	109	1.11	(28.2)
4.59	(116.5)	112	1.09	(27.7)
4.57	(116.0)	115	1.07	(27.2)
4.55	(115.5)	118	1.05	(26.7)
4.53	(115.0)	121	1.03	(26.2)

Undercarriage Code: 153, 157, 158, 1581, 163, 290, 2901, 291

Track Links

8E2355-56





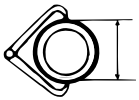
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
4.92	(125.0)	0	1.46	(37.1)
4.90	(124.5)	5	1.44	(36.6)
4.88	(124.0)	10	1.42	(36.1)
4.86	(123.5)	15	1.40	(35.6)
4.84	(123.0)	20	1.38	(35.1)
4.82	(122.5)	25	1.36	(34.5)
4.80	(122.0)	30	1.34	(34.0)
4.78	(121.5)	35	1.32	(33.5)
4.76	(121.0)	40	1.30	(33.0)
4.74	(120.5)	45	1.28	(32.5)
4.72	(120.0)	50	1.26	(32.0)
4.70	(119.5)	55	1.24	(31.5)
4.68	(119.0)	60	1.22	(31.0)
4.66	(118.5)	65	1.20	(30.5)
4.64	(118.0)	70	1.18	(30.0)
4.62	(117.5)	75	1.16	(29.5)
4.60	(117.0)	80	1.14	(29.0)
4.58	(116.5)	85	1.12	(28.4)
4.56	(116.0)	90	1.10	(27.9)
4.54	(115.5)	95	1.08	(27.4)
4.52	(115.0)	100	1.06	(26.9)
4.50	(114.5)	104	1.04	(26.4)
4.48	(114.0)	108	1.02	(25.9)
4.46	(113.5)	112	1.00	(25.4)
4.44	(113.0)	116	0.98	(24.9)
4.42	(112.5)	120	0.96	(24.4)

Undercarriage Code: 150, 1578

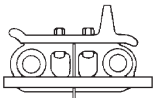
D6H, D6R, 527 — 8.00" (203.2 mm)

Bushings for Heavy Duty Track

Use with 8E7405 & 06 Links







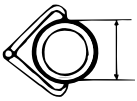
Caliper		Allowable Wear Lesser	Allowable Wear Greater	Ultrasonic		Depth Gauge	
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
2.86	(72.6)	0	0	0.53	(13.5)	3.52	(89.4)
2.85	(72.4)	5	4	0.52	(13.2)	3.51	(89.2)
2.84	(72.1)	10	8	0.51	(13.0)	3.50	(88.9)
2.83	(71.9)	15	12	0.50	(12.7)	3.49	(88.6)
2.82	(71.6)	20	16	0.49	(12.4)	3.48	(88.4)
2.81	(71.4)	25	20	0.48	(12.2)	3.47	(88.1)
2.80	(71.1)	30	24	0.47	(11.9)	3.46	(87.9)
2.79	(70.9)	35	28	0.46	(11.7)	3.45	(87.6)
2.78	(70.6)	40	32	0.45	(11.4)	3.44	(87.4)
2.77	(70.4)	45	36	0.44	(11.2)	3.43	(87.1)
2.76	(70.1)	50	40	0.43	(10.9)	3.42	(86.9)
2.75	(69.9)	55	44	0.42	(10.7)	3.41	(86.6)
2.74	(69.6)	60	46	0.41	(10.4)	3.40	(86.4)
2.73	(69.3)	65	48	0.40	(10.2)	3.39	(86.1)
2.72	(69.1)	70	50	0.39	(9.9)	3.38	(85.9)
2.71	(68.8)	72	52	0.38	(9.7)	3.37	(85.6)
2.70	(68.6)	74	54	0.37	(9.4)	3.36	(85.3)
2.69	(68.3)	76	56	0.36	(9.1)	3.35	(85.1)
2.68	(68.1)	78	58	0.35	(8.9)	3.34	(84.8)
2.67	(67.8)	80	60	0.34	(8.6)	3.33	(84.6)
2.66	(67.6)	82	62	0.33	(8.4)	3.32	(84.3)
2.65	(67.3)	84	64	0.32	(8.1)	3.31	(84.1)
2.64	(67.1)	86	66	0.31	(7.9)	3.30	(83.8)
2.63	(66.8)	88	68	0.30	(7.6)	3.29	(83.6)
2.62	(66.5)	90	70	0.29	(7.4)	3.28	(83.3)
2.61	(66.3)	92	72	0.28	(7.1)	3.27	(83.1)
2.60	(66.0)	94	74	0.27	(6.9)	3.26	(82.8)
2.59	(65.8)	96	76	0.26	(6.6)	3.25	(82.6)
2.58	(65.5)	98	78	0.25	(6.3)	3.24	(82.3)
2.57	(65.3)	100	80	0.24	(6.1)	3.23	(82.0)
2.56	(65.0)	102	82	0.23	(5.8)	3.22	(81.8)
2.55	(64.8)	104	84	0.22	(5.6)	3.21	(81.5)
2.54	(64.5)	106	86	0.21	(5.3)	3.20	(81.3)
2.53	(64.3)	108	88	0.20	(5.1)	3.19	(81.0)
2.52	(64.0)	110	90	0.19	(4.8)	3.18	(80.8)
2.51	(63.8)	112	92	0.18	(4.6)	3.17	(80.5)
2.50	(63.5)	114	94	0.17	(4.3)	3.16	(80.3)
2.49	(63.2)	116	96	0.16	(4.1)	3.15	(80.0)
2.48	(63.0)	118	98	0.15	(3.8)	3.14	(79.8)
2.47	(62.7)	120	100	0.14	(3.6)	3.13	(79.5)
2.46	(62.5)		102	0.13	(3.3)	3.12	(79.2)
2.45	(62.2)		104	0.12	(3.0)	3.11	(79.0)
2.44	(62.0)		106	0.11	(2.8)	3.10	(78.7)
2.43	(61.7)		108	0.10	(2.5)	3.09	(78.5)
2.42	(61.5)		110	0.09	(2.3)	3.08	(78.2)
2.41	(61.2)		112	0.08	(2.0)	3.07	(78.0)
2.40	(61.0)		114	0.07	(1.8)	3.06	(77.7)
2.39	(60.7)		116	0.06	(1.5)	3.05	(77.5)
2.38	(60.5)		118	0.05	(1.3)	3.04	(77.2)
2.37	(60.2)		120	0.04	(1.0)	3.03	(77.0)

NOTE: DO NOT USE DEPTH GAUGE UNTIL BUSHINGS HAVE BEEN "TURNED."

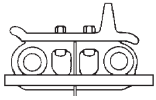
Undercarriage Code: 153, 157, 158, 1581, 163, 290, 291

Bushings for Heavy Duty Track

Use on 527 with Optional Large Diameter Bushing





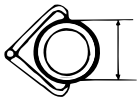


Caliper		Allowable Wear		Ultrasonic		Depth Gauge	
		Lesser	Greater				
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
3.15	(80.0)	0	0	0.68	(17.3)	3.70	(94.0)
3.13	(79.5)	6	5	0.66	(16.8)	3.68	(93.5)
3.11	(79.0)	12	10	0.64	(16.3)	3.66	(93.0)
3.09	(78.5)	18	15	0.62	(15.7)	3.64	(92.5)
3.07	(78.0)	24	20	0.60	(15.2)	3.62	(91.9)
3.05	(77.5)	30	25	0.58	(14.7)	3.60	(91.4)
3.03	(77.0)	36	30	0.56	(14.2)	3.58	(90.9)
3.01	(76.5)	40	35	0.54	(13.7)	3.56	(90.4)
2.99	(75.9)	44	40	0.52	(13.2)	3.54	(89.9)
2.97	(75.4)	48	45	0.50	(12.7)	3.52	(89.4)
2.95	(74.9)	52	49	0.48	(12.2)	3.50	(88.9)
2.93	(74.4)	56	52	0.46	(11.7)	3.48	(88.4)
2.91	(73.9)	60	55	0.44	(11.2)	3.46	(87.9)
2.89	(73.4)	64	58	0.42	(10.7)	3.44	(87.4)
2.87	(72.9)	68	61	0.40	(10.2)	3.42	(86.9)
2.85	(72.4)	72	64	0.38	(9.7)	3.40	(86.4)
2.83	(71.9)	76	67	0.36	(9.1)	3.38	(85.9)
2.81	(71.4)	80	70	0.34	(8.6)	3.36	(85.3)
2.79	(70.9)	84	73	0.32	(8.1)	3.34	(84.8)
2.77	(70.4)	88	76	0.30	(7.6)	3.32	(84.3)
2.75	(69.9)	92	79	0.28	(7.1)	3.30	(83.8)
2.73	(69.3)	96	82	0.26	(6.6)	3.28	(83.3)
2.71	(68.8)	100	85	0.24	(6.1)	3.26	(82.8)
2.69	(68.3)	104	88	0.22	(5.6)	3.24	(82.3)
2.67	(67.8)	108	91	0.20	(5.1)	3.22	(81.8)
2.65	(67.3)	112	94	0.18	(4.6)	3.20	(81.3)
2.63	(66.8)	116	97	0.16	(4.1)	3.18	(80.8)
2.61	(66.3)	120	100	0.14	(3.6)	3.16	(80.3)
2.59	(65.8)		103	0.12	(3.0)	3.14	(79.8)
2.57	(65.3)		106	0.10	(2.5)	3.12	(79.2)
2.55	(64.8)		109	0.08	(2.0)	3.10	(78.7)
2.53	(64.3)		112	0.06	(1.5)	3.08	(78.2)
2.51	(63.8)		115	0.04	(1.0)	3.06	(77.7)
2.49	(63.2)		118	0.02	(0.5)	3.04	(77.2)
2.47	(62.7)		121	0.00	(0.0)	3.02	(76.7)

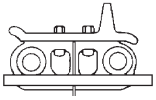
NOTE: DO NOT USE DEPTH GAUGE UNTIL BUSHINGS HAVE BEEN "TURNED."

Bushings for Rotating Bushing Track

Use with 195-6515 & 16 or 8E Links





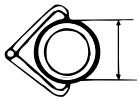


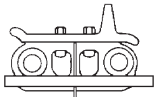
Caliper			Ultrasonic		Depth Gauge	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
2.86	(72.6)	0	0.55	(14.0)	3.56	(90.4)
2.84	(72.1)	4	0.54	(13.7)	3.55	(90.2)
2.82	(71.6)	8	0.53	(13.5)	3.54	(89.9)
2.80	(71.1)	12	0.52	(13.2)	3.53	(89.7)
2.78	(70.6)	16	0.51	(13.0)	3.52	(89.4)
2.76	(70.1)	20	0.50	(12.7)	3.51	(89.2)
2.74	(69.6)	24	0.49	(12.4)	3.50	(88.9)
2.72	(69.1)	28	0.48	(12.2)	3.49	(88.6)
2.70	(68.6)	32	0.47	(11.9)	3.48	(88.4)
2.68	(68.1)	36	0.46	(11.7)	3.47	(88.1)
2.66	(67.6)	38	0.45	(11.4)	3.46	(87.9)
2.64	(67.1)	40	0.44	(11.2)	3.45	(87.6)
2.62	(66.5)	42	0.43	(10.9)	3.44	(87.4)
2.60	(66.0)	44	0.42	(10.7)	3.43	(87.1)
2.58	(65.5)	46	0.41	(10.4)	3.42	(86.9)
2.56	(65.0)	48	0.40	(10.2)	3.41	(86.6)
2.54	(64.5)	50	0.39	(9.9)	3.40	(86.4)
2.52	(64.0)	52	0.38	(9.7)	3.39	(86.1)
2.50	(63.5)	54	0.37	(9.4)	3.38	(85.9)
2.48	(63.0)	56	0.36	(9.1)	3.37	(85.6)
2.46	(62.5)	58	0.35	(8.9)	3.36	(85.3)
2.44	(62.0)	60	0.34	(8.6)	3.35	(85.1)
2.42	(61.5)	62	0.33	(8.4)	3.34	(84.8)
2.40	(61.0)	64	0.32	(8.1)	3.33	(84.6)
2.38	(60.5)	66	0.31	(7.9)	3.32	(84.3)
2.36	(59.9)	68	0.30	(7.6)	3.31	(84.1)
2.34	(59.4)	70	0.29	(7.4)	3.30	(83.8)
2.32	(58.9)	72	0.28	(7.1)	3.29	(83.6)
2.30	(58.4)	74	0.27	(6.9)	3.28	(83.3)
2.28	(57.9)	76	0.26	(6.6)	3.27	(83.1)
2.26	(57.4)	78	0.25	(6.3)	3.26	(82.8)
2.24	(56.9)	80	0.24	(6.1)	3.25	(82.6)
2.22	(56.4)	82	0.23	(5.8)	3.24	(82.3)
2.20	(55.9)	84	0.22	(5.6)	3.23	(82.0)
2.18	(55.4)	86	0.21	(5.3)	3.22	(81.8)
2.16	(54.9)	88	0.20	(5.1)	3.21	(81.5)
2.14	(54.4)	90	0.19	(4.8)	3.20	(81.3)
2.12	(53.8)	92	0.18	(4.6)	3.19	(81.0)
2.10	(53.3)	94	0.17	(4.3)	3.18	(80.8)
2.08	(52.8)	96	0.16	(4.1)	3.17	(80.5)
2.06	(52.3)	98	0.15	(3.8)	3.16	(80.3)
2.04	(51.8)	100	0.14	(3.6)	3.15	(80.0)
2.02	(51.3)	102	0.13	(3.3)	3.14	(79.8)
2.00	(50.8)	104	0.12	(3.0)	3.13	(79.5)
1.98	(50.3)	106	0.11	(2.8)	3.12	(79.2)
1.96	(49.8)	108	0.10	(2.5)	3.11	(79.0)
1.94	(49.3)	110	0.09	(2.3)	3.10	(78.7)
1.92	(48.8)	112	0.08	(2.0)	3.09	(78.5)
1.90	(48.3)	114	0.07	(1.8)	3.08	(78.2)
1.88	(47.8)	116	0.06	(1.5)	3.07	(78.0)
1.86	(47.2)	118	0.05	(1.3)	3.06	(77.7)
1.84	(46.7)	120	0.04	(1.0)	3.05	(77.5)

Undercarriage Code: 153, 157, 158, 1581, 163, 290, 291

Bushings for Sealed & Lubricated Track

Use with 8E2355 & 56





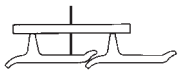
Caliper		Allowable Wear Lesser	Allowable Wear Greater	Ultrasonic		Depth Gauge	
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
2.86	(72.6)	0	0	0.53	(13.5)	3.52	(89.4)
2.85	(72.4)	5	4	0.52	(13.2)	3.51	(89.2)
2.84	(72.1)	10	8	0.51	(13.0)	3.50	(88.9)
2.83	(71.9)	15	12	0.50	(12.7)	3.49	(88.6)
2.82	(71.6)	20	16	0.49	(12.4)	3.48	(88.4)
2.81	(71.4)	25	20	0.48	(12.2)	3.47	(88.1)
2.80	(71.1)	30	24	0.47	(11.9)	3.46	(87.9)
2.79	(70.9)	35	28	0.46	(11.7)	3.45	(87.6)
2.78	(70.6)	40	32	0.45	(11.4)	3.44	(87.4)
2.77	(70.4)	45	36	0.44	(11.2)	3.43	(87.1)
2.76	(70.1)	50	40	0.43	(10.9)	3.42	(86.9)
2.75	(69.9)	55	44	0.42	(10.7)	3.41	(86.6)
2.74	(69.6)	60	46	0.41	(10.4)	3.40	(86.4)
2.73	(69.3)	65	48	0.40	(10.2)	3.39	(86.1)
2.72	(69.1)	70	50	0.39	(9.9)	3.38	(85.9)
2.71	(68.8)	72	52	0.38	(9.7)	3.37	(85.6)
2.70	(68.6)	74	54	0.37	(9.4)	3.36	(85.3)
2.69	(68.3)	76	56	0.36	(9.1)	3.35	(85.1)
2.68	(68.1)	78	58	0.35	(8.9)	3.34	(84.8)
2.67	(67.8)	80	60	0.34	(8.6)	3.33	(84.6)
2.66	(67.6)	82	62	0.33	(8.4)	3.32	(84.3)
2.65	(67.3)	84	64	0.32	(8.1)	3.31	(84.1)
2.64	(67.1)	86	66	0.31	(7.9)	3.30	(83.8)
2.63	(66.8)	88	68	0.30	(7.6)	3.29	(83.6)
2.62	(66.5)	90	70	0.29	(7.4)	3.28	(83.3)
2.61	(66.3)	92	72	0.28	(7.1)	3.27	(83.1)
2.60	(66.0)	94	74	0.27	(6.9)	3.26	(82.8)
2.59	(65.8)	96	76	0.26	(6.6)	3.25	(82.6)
2.58	(65.5)	98	78	0.25	(6.3)	3.24	(82.3)
2.57	(65.3)	100	80	0.24	(6.1)	3.23	(82.0)
2.56	(65.0)	102	82	0.23	(5.8)	3.22	(81.8)
2.55	(64.8)	104	84	0.22	(5.6)	3.21	(81.5)
2.54	(64.5)	106	86	0.21	(5.3)	3.20	(81.3)
2.53	(64.3)	108	88	0.20	(5.1)	3.19	(81.0)
2.52	(64.0)	110	90	0.19	(4.8)	3.18	(80.8)
2.51	(63.8)	112	92	0.18	(4.6)	3.17	(80.5)
2.50	(63.5)	114	94	0.17	(4.3)	3.16	(80.3)
2.49	(63.2)	116	96	0.16	(4.1)	3.15	(80.0)
2.48	(63.0)	118	98	0.15	(3.8)	3.14	(79.8)
2.47	(62.7)	120	100	0.14	(3.6)	3.13	(79.5)
2.46	(62.5)		102	0.13	(3.3)	3.12	(79.2)
2.45	(62.2)		104	0.12	(3.0)	3.11	(79.0)
2.44	(62.0)		106	0.11	(2.8)	3.10	(78.7)
2.43	(61.7)		108	0.10	(2.5)	3.09	(78.5)
2.42	(61.5)		110	0.09	(2.3)	3.08	(78.2)
2.41	(61.2)		112	0.08	(2.0)	3.07	(78.0)
2.40	(61.0)		114	0.07	(1.8)	3.06	(77.7)
2.39	(60.7)		116	0.06	(1.5)	3.05	(77.5)
2.38	(60.5)		118	0.05	(1.3)	3.04	(77.2)
2.37	(60.2)		120	0.04	(1.0)	3.03	(77.0)

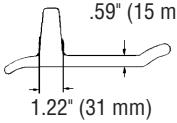
NOTE: DO NOT USE DEPTH GAUGE UNTIL BUSHINGS HAVE BEEN "TURNED."

Undercarriage Code: 150, 1578

Track Shoes

Extreme Service





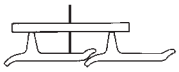


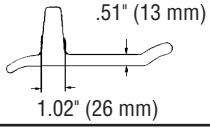
Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
2.95	(75.0)	0	0	3.55	(90.2)
2.90	(73.5)	4	3	3.50	(88.9)
2.85	(72.5)	8	6	3.45	(87.6)
2.80	(71.0)	12	9	3.40	(86.4)
2.75	(70.0)	16	12	3.35	(85.1)
2.70	(68.5)	20	15	3.30	(83.8)
2.65	(67.5)	24	18	3.25	(82.6)
2.60	(66.0)	28	21	3.20	(81.3)
2.55	(65.0)	32	24	3.15	(80.0)
2.50	(63.5)	36	27	3.10	(78.7)
2.45	(62.0)	40	30	3.05	(77.5)
2.40	(61.0)	44	33	3.00	(76.2)
2.35	(59.5)	48	36	2.95	(74.9)
2.30	(58.5)	52	39	2.90	(73.7)
2.25	(57.0)	55	42	2.85	(72.4)
2.20	(56.0)	58	45	2.80	(71.1)
2.15	(54.5)	61	48	2.75	(69.9)
2.10	(53.5)	64	51	2.70	(68.6)
2.05	(52.0)	67	54	2.65	(67.3)
2.00	(51.0)	70	57	2.60	(66.0)
1.95	(49.5)	73	60	2.55	(64.8)
1.90	(48.5)	76	63	2.50	(63.5)
1.85	(47.0)	79	66	2.45	(62.2)
1.80	(45.5)	82	68	2.40	(61.0)
1.75	(44.5)	85	70	2.35	(59.7)
1.70	(43.0)	88	72	2.30	(58.4)
1.65	(42.0)	91	74	2.25	(57.2)
1.60	(40.5)	94	76	2.20	(55.9)
1.55	(39.5)	97	78	2.15	(54.6)
1.50	(38.0)	100	80	2.10	(53.3)
1.45	(37.0)	103	82	2.05	(52.1)
1.40	(35.5)	106	84	2.00	(50.8)
1.35	(34.5)	109	86	1.95	(49.5)
1.30	(33.0)	112	88	1.90	(48.3)
1.25	(32.0)	115	90	1.85	(47.0)
1.20	(30.5)	118	92	1.80	(45.7)
1.15	(29.0)	121	94	1.75	(44.5)
1.10	(28.0)		96	1.70	(43.2)
1.05	(26.5)		98	1.65	(41.9)
1.00	(25.5)		100	1.60	(40.6)
0.95	(24.0)		102	1.55	(39.4)
0.90	(23.0)		104	1.50	(38.1)
0.85	(21.5)		106	1.45	(36.8)
0.80	(20.5)		108	1.40	(35.6)
0.75	(19.0)		110	1.35	(34.3)
0.70	(18.0)		112	1.30	(33.0)
0.65	(16.5)		114	1.25	(31.8)
0.60	(15.0)		116	1.20	(30.5)
0.55	(14.0)		118	1.15	(29.2)
0.50	(12.5)		120	1.10	(27.9)

Undercarriage Code: 150, 153, 157, 1578, 158, 1581, 163, 290, 2901, 291

Track Shoes

Moderate Service







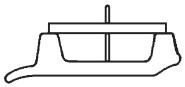
Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
2.55	(65.0)	0	0	3.05	(77.5)
2.50	(63.5)	5	4	3.00	(76.2)
2.45	(62.0)	10	8	2.95	(74.9)
2.40	(61.0)	15	12	2.90	(73.7)
2.35	(59.5)	20	16	2.85	(72.4)
2.30	(58.5)	25	20	2.80	(71.1)
2.25	(57.0)	30	24	2.75	(69.9)
2.20	(56.0)	35	28	2.70	(68.6)
2.15	(54.5)	40	31	2.65	(67.3)
2.10	(53.5)	45	34	2.60	(66.0)
2.05	(52.0)	50	37	2.55	(64.8)
2.00	(51.0)	55	40	2.50	(63.5)
1.95	(49.5)	60	43	2.45	(62.2)
1.90	(48.5)	65	46	2.40	(61.0)
1.85	(47.0)	70	49	2.35	(59.7)
1.80	(45.5)	75	52	2.30	(58.4)
1.75	(44.5)	80	55	2.25	(57.2)
1.70	(43.0)	84	58	2.20	(55.9)
1.65	(42.0)	88	61	2.15	(54.6)
1.60	(40.5)	92	64	2.10	(53.3)
1.55	(39.5)	96	67	2.05	(52.1)
1.50	(38.0)	100	70	2.00	(50.8)
1.45	(37.0)	104	73	1.95	(49.5)
1.40	(35.5)	108	76	1.90	(48.3)
1.35	(34.5)	112	79	1.85	(47.0)
1.30	(33.0)	116	82	1.80	(45.7)
1.25	(32.0)	120	85	1.75	(44.5)
1.20	(30.5)		88	1.70	(43.2)
1.15	(29.0)		91	1.65	(41.9)
1.10	(28.0)		94	1.60	(40.6)
1.05	(26.5)		97	1.55	(39.4)
1.00	(25.5)		100	1.50	(38.1)
0.95	(24.0)		103	1.45	(36.8)
0.90	(23.0)		106	1.40	(35.6)
0.85	(21.5)		109	1.35	(34.3)
0.80	(20.5)		112	1.30	(33.0)
0.75	(19.0)		115	1.25	(31.8)
0.70	(18.0)		118	1.20	(30.5)
0.65	(16.5)		121	1.15	(29.2)

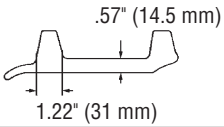
Undercarriage Code: 150, 153, 157, 1578, 158, 1581, 163, 290, 2901, 291

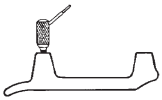
D6H, D6R, 527 — 8.00" (203.2 mm)

Track Shoes

Double Grouser





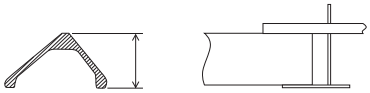


Depth Gauge Inches	(mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	(mm)
1.65	(42.0)	0	0	2.20	(55.9)
1.60	(40.5)	6	5	2.15	(54.6)
1.55	(39.5)	12	10	2.10	(53.3)
1.50	(38.0)	18	15	2.05	(52.1)
1.45	(37.0)	24	20	2.00	(50.8)
1.40	(35.5)	30	25	1.95	(49.5)
1.35	(34.5)	36	30	1.90	(48.3)
1.30	(33.0)	42	35	1.85	(47.0)
1.25	(32.0)	48	40	1.80	(45.7)
1.20	(30.5)	54	44	1.75	(44.5)
1.15	(29.0)	60	48	1.70	(43.2)
1.10	(28.0)	65	52	1.65	(41.9)
1.05	(26.5)	70	56	1.60	(40.6)
1.00	(25.5)	75	60	1.55	(39.4)
0.95	(24.0)	80	64	1.50	(38.1)
0.90	(23.0)	85	68	1.45	(36.8)
0.85	(21.5)	90	72	1.40	(35.6)
0.80	(20.5)	95	76	1.35	(34.3)
0.75	(19.0)	100	80	1.30	(33.0)
0.70	(18.0)	105	84	1.25	(31.8)
0.65	(16.5)	110	88	1.20	(30.5)
0.60	(15.0)	115	92	1.15	(29.2)
0.55	(14.0)	120	96	1.10	(27.9)
0.50	(12.5)		100	1.05	(26.7)
0.45	(11.5)		104	1.00	(25.4)
0.40	(10.0)		108	0.95	(24.1)
0.35	(9.0)		112	0.90	(22.9)
0.30	(7.5)		116	0.85	(21.6)
0.25	(6.5)		120	0.80	(20.3)

Undercarriage Code: 150, 153, 157, 1578, 158, 1581, 163, 290, 2901, 291

Track Shoes

Self Cleaning



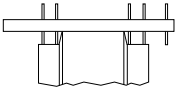
Depth Gauge Inches	(mm)	% Worn
3.61	(91.5)	0
3.59	(91.0)	4
3.57	(90.5)	8
3.55	(90.0)	12
3.53	(89.5)	16
3.51	(89.0)	20
3.49	(88.5)	24
3.47	(88.0)	28
3.45	(87.5)	32
3.43	(87.0)	36
3.41	(86.5)	40
3.39	(86.0)	44
3.37	(85.5)	48
3.35	(85.0)	52
3.33	(84.5)	55
3.31	(84.0)	58
3.29	(83.5)	61
3.27	(83.0)	64
3.25	(82.5)	67
3.23	(82.0)	70
3.21	(81.5)	73
3.19	(81.0)	76
3.17	(80.5)	79
3.15	(80.0)	82
3.13	(79.5)	85
3.11	(79.0)	88
3.09	(78.5)	91
3.07	(78.0)	94
3.05	(77.5)	97
3.03	(77.0)	100
3.01	(76.5)	103
2.99	(76.0)	106
2.97	(75.5)	109
2.95	(75.0)	112
2.93	(74.5)	115
2.91	(74.0)	118
2.89	(73.5)	121

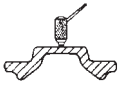
Undercarriage Code: 150, 153, 157, 1578, 158, 1581, 163

D6H, D6R, 527 — 8.00" (203.2 mm)

Idlers

Extended Life Idler
Has circulator side plate indentations





Depth Gauge Inches	(mm)	% Worn
0.94	(24.0)	0
0.96	(24.5)	4
0.98	(25.0)	8
1.00	(25.5)	12
1.02	(26.0)	16
1.04	(26.5)	20
1.06	(27.0)	24
1.08	(27.5)	28
1.10	(28.0)	32
1.12	(28.5)	36
1.14	(29.0)	40
1.16	(29.5)	44
1.18	(30.0)	48
1.20	(30.5)	50
1.22	(31.0)	52
1.24	(31.5)	54
1.26	(32.0)	56
1.28	(32.5)	58
1.30	(33.0)	60
1.32	(33.5)	62
1.34	(34.0)	64
1.36	(34.5)	66
1.38	(35.0)	68
1.40	(35.5)	70
1.42	(36.0)	72
1.44	(36.5)	74
1.46	(37.0)	76
1.48	(37.5)	78
1.50	(38.0)	80
1.52	(38.5)	82
1.54	(39.0)	84
1.56	(39.5)	86
1.58	(40.0)	88
1.60	(40.5)	90
1.62	(41.0)	92
1.64	(41.5)	94
1.66	(42.0)	96
1.68	(42.5)	98
1.70	(43.0)	100
1.72	(43.5)	102
1.74	(44.0)	104
1.76	(44.5)	106
1.78	(45.0)	108
1.80	(45.5)	110
1.82	(46.0)	112
1.84	(46.5)	114
1.86	(47.0)	116
1.88	(48.0)	118
1.90	(48.5)	120

Flange width: 3.74" (95 mm)

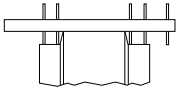
Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.49	(12.4)	0.00	(0.0)
0.47	(11.9)	0.02	(0.5)
0.45	(11.4)	0.04	(1.0)
0.43	(10.9)	0.06	(1.5)
0.41	(10.4)	0.08	(2.0)
0.39	(9.9)	0.10	(2.5)
0.37	(9.4)	0.12	(3.0)
0.35	(8.9)	0.14	(3.5)
0.33	(8.4)	0.16	(4.0)
0.31	(7.9)	0.18	(4.5)
0.29	(7.4)	0.20	(5.0)
0.27	(6.9)	0.22	(5.5)
0.25	(6.3)	0.24	(6.0)
0.23	(5.8)	0.26	(6.5)
0.21	(5.3)	0.28	(7.0)
0.19	(4.8)	0.30	(7.5)
0.17	(4.3)	0.32	(8.0)
0.15	(3.8)	0.34	(8.5)
0.13	(3.3)	0.36	(9.0)
0.11	(2.8)	0.38	(9.5)
0.09	(2.3)	0.40	(10.0)
0.07	(1.8)	0.42	(10.5)
0.05	(1.3)	0.44	(11.0)
0.03	(0.8)	0.46	(11.5)
0.01	(0.3)	0.48	(12.0)

NOTE: Ultrasonic measurement is to determine flange wear only.

Undercarriage Code: 1581

Idlers

Original Idler
Has no side plate indentations





Depth Gauge Inches	(mm)	% Worn
0.78	(20.0)	0
0.80	(20.5)	6
0.82	(21.0)	12
0.84	(21.5)	18
0.86	(22.0)	24
0.88	(22.5)	30
0.90	(23.0)	36
0.92	(23.5)	42
0.94	(24.0)	48
0.96	(24.5)	54
0.98	(25.0)	60
1.00	(25.5)	66
1.02	(26.0)	72
1.04	(26.5)	76
1.06	(27.0)	78
1.08	(27.5)	80
1.10	(28.0)	82
1.12	(28.5)	84
1.14	(29.0)	86
1.16	(29.5)	88
1.18	(30.0)	90
1.20	(30.5)	92
1.22	(31.0)	94
1.24	(31.5)	96
1.26	(32.0)	98
1.28	(32.5)	100
1.30	(33.0)	102
1.32	(33.5)	104
1.34	(34.0)	106
1.36	(34.5)	108
1.38	(35.0)	110
1.40	(35.5)	112
1.42	(36.0)	114
1.44	(36.5)	116
1.46	(37.0)	118
1.48	(37.5)	120

Flange width: 3.74" (95 mm)

Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.49	(12.4)	0.00	(0.0)
0.47	(11.9)	0.02	(0.5)
0.45	(11.4)	0.04	(1.0)
0.43	(10.9)	0.06	(1.5)
0.41	(10.4)	0.08	(2.0)
0.39	(9.9)	0.10	(2.5)
0.37	(9.4)	0.12	(3.0)
0.35	(8.9)	0.14	(3.5)
0.33	(8.4)	0.16	(4.0)
0.31	(7.9)	0.18	(4.5)
0.29	(7.4)	0.20	(5.0)
0.27	(6.9)	0.22	(5.5)
0.25	(6.3)	0.24	(6.0)
0.23	(5.8)	0.26	(6.5)
0.21	(5.3)	0.28	(7.0)
0.19	(4.8)	0.30	(7.5)
0.17	(4.3)	0.32	(8.0)
0.15	(3.8)	0.34	(8.5)
0.13	(3.3)	0.36	(9.0)
0.11	(2.8)	0.38	(9.5)
0.09	(2.3)	0.40	(10.0)
0.07	(1.8)	0.42	(10.5)
0.05	(1.3)	0.44	(11.0)
0.03	(0.8)	0.46	(11.5)
0.01	(0.3)	0.48	(12.0)

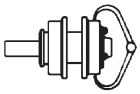
NOTE: Ultrasonic measurement is to determine flange wear only.

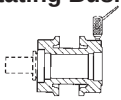
Undercarriage Code: 150, 153, 157, 1578, 158, 163, 290, 2901, 291

D6H, D6R, 527 — 8.00" (203.2 mm)

Carrier Rollers

Use with 8E7405 & 06 or 195-6515 & 16 Heavy Duty and Rotating Bushing Track



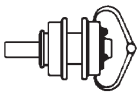


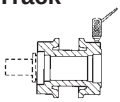
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
7.38	(187.5)	0	1.86	(47.2)
7.34	(186.5)	4	1.84	(46.7)
7.30	(185.5)	8	1.82	(46.2)
7.26	(184.5)	12	1.80	(45.7)
7.22	(183.5)	16	1.78	(45.2)
7.18	(182.5)	20	1.76	(44.7)
7.14	(181.5)	24	1.74	(44.2)
7.10	(180.5)	28	1.72	(43.7)
7.06	(179.5)	32	1.70	(43.2)
7.02	(178.5)	36	1.68	(42.7)
6.98	(177.5)	40	1.66	(42.2)
6.94	(176.5)	44	1.64	(41.7)
6.90	(175.5)	48	1.62	(41.1)
6.86	(174.0)	52	1.60	(40.6)
6.82	(173.0)	56	1.58	(40.1)
6.78	(172.0)	60	1.56	(39.6)
6.74	(171.0)	64	1.54	(39.1)
6.70	(170.0)	68	1.52	(38.6)
6.66	(169.0)	70	1.50	(38.1)
6.62	(168.0)	72	1.48	(37.6)
6.58	(167.0)	74	1.46	(37.1)
6.54	(166.0)	76	1.44	(36.6)
6.50	(165.0)	78	1.42	(36.1)
6.46	(164.0)	80	1.40	(35.6)
6.42	(163.0)	82	1.38	(35.1)
6.38	(162.0)	84	1.36	(34.5)
6.34	(161.0)	86	1.34	(34.0)
6.30	(160.0)	88	1.32	(33.5)
6.26	(159.0)	90	1.30	(33.0)
6.22	(158.0)	92	1.28	(32.5)
6.18	(157.0)	94	1.26	(32.0)
6.14	(156.0)	96	1.24	(31.5)
6.10	(155.0)	98	1.22	(31.0)
6.06	(154.0)	100	1.20	(30.5)
6.02	(153.0)	102	1.18	(30.0)
5.98	(152.0)	104	1.16	(29.5)
5.94	(151.0)	106	1.14	(29.0)
5.90	(150.0)	108	1.12	(28.4)
5.86	(149.0)	110	1.10	(27.9)
5.82	(148.0)	112	1.08	(27.4)
5.78	(147.0)	114	1.06	(26.9)
5.74	(146.0)	116	1.04	(26.4)
5.70	(145.0)	118	1.02	(25.9)
5.66	(144.0)	120	1.00	(25.4)

Undercarriage Code: 153, 157, 158, 1581, 163, 290, 2901, 291

Carrier Rollers

Use with 8E2355 & 56 Sealed & Lubricated Track





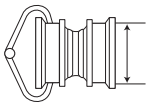
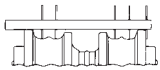
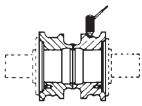
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
7.38	(187.5)	0	1.86	(47.2)
7.34	(186.5)	5	1.84	(46.7)
7.30	(185.5)	10	1.82	(46.2)
7.26	(184.5)	15	1.80	(45.7)
7.22	(183.5)	20	1.78	(45.2)
7.18	(182.5)	25	1.76	(44.7)
7.14	(181.5)	30	1.74	(44.2)
7.10	(180.5)	35	1.72	(43.7)
7.06	(179.5)	40	1.70	(43.2)
7.02	(178.5)	45	1.68	(42.7)
6.98	(177.5)	50	1.66	(42.2)
6.94	(176.5)	55	1.64	(41.7)
6.90	(175.5)	60	1.62	(41.1)
6.86	(174.0)	65	1.60	(40.6)
6.82	(173.0)	70	1.58	(40.1)
6.78	(172.0)	75	1.56	(39.6)
6.74	(171.0)	79	1.54	(39.1)
6.70	(170.0)	82	1.52	(38.6)
6.66	(169.0)	85	1.50	(38.1)
6.62	(168.0)	88	1.48	(37.6)
6.58	(167.0)	91	1.46	(37.1)
6.54	(166.0)	94	1.44	(36.6)
6.50	(165.0)	97	1.42	(36.1)
6.46	(164.0)	100	1.40	(35.6)
6.42	(163.0)	103	1.38	(35.1)
6.38	(162.0)	106	1.36	(34.5)
6.34	(161.0)	109	1.34	(34.0)
6.30	(160.0)	112	1.32	(33.5)
6.26	(159.0)	115	1.30	(33.0)
6.22	(158.0)	118	1.28	(32.5)
6.18	(157.0)	121	1.26	(32.0)

Undercarriage Code: 150, 1578

D6H, D6R, 527 — 8.00" (203.2 mm)

Track Rollers

Use with Heavy Duty or Rotating Bushing Track
195-6515 & 16 or 8E7405 & 06 Links

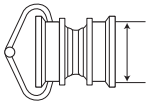
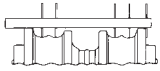
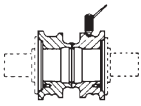
Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
8.25	(209.5)	0	0.59	(15.0)	1.87	(47.5)
8.21	(208.5)	3	0.61	(15.5)	1.85	(47.0)
8.17	(207.5)	6	0.63	(16.0)	1.83	(46.5)
8.13	(206.5)	9	0.65	(16.5)	1.81	(46.0)
8.09	(205.5)	12	0.67	(17.0)	1.79	(45.5)
8.05	(204.5)	15	0.69	(17.5)	1.77	(45.0)
8.01	(203.5)	18	0.71	(18.0)	1.75	(44.5)
7.97	(202.5)	21	0.73	(18.5)	1.73	(43.9)
7.93	(201.5)	24	0.75	(19.0)	1.71	(43.4)
7.89	(200.5)	27	0.77	(19.5)	1.69	(42.9)
7.85	(199.5)	30	0.79	(20.0)	1.67	(42.4)
7.81	(198.5)	33	0.81	(20.5)	1.65	(41.9)
7.77	(197.5)	36	0.83	(21.0)	1.63	(41.4)
7.73	(196.5)	39	0.85	(21.5)	1.61	(40.9)
7.69	(195.5)	42	0.87	(22.0)	1.59	(40.4)
7.65	(194.5)	45	0.89	(22.5)	1.57	(39.9)
7.61	(193.5)	48	0.91	(23.0)	1.55	(39.4)
7.57	(192.5)	51	0.93	(23.5)	1.53	(38.9)
7.53	(191.5)	54	0.95	(24.0)	1.51	(38.4)
7.49	(190.0)	57	0.97	(24.5)	1.49	(37.8)
7.45	(189.0)	60	0.99	(25.0)	1.47	(37.3)
7.41	(188.0)	62	1.01	(25.5)	1.45	(36.8)
7.37	(187.0)	64	1.03	(26.0)	1.43	(36.3)
7.33	(186.0)	66	1.05	(26.5)	1.41	(35.8)
7.29	(185.0)	68	1.07	(27.0)	1.39	(35.3)
7.25	(184.0)	70	1.09	(27.5)	1.37	(34.8)
7.21	(183.0)	72	1.11	(28.0)	1.35	(34.3)
7.17	(182.0)	74	1.13	(28.5)	1.33	(33.8)
7.13	(181.0)	76	1.15	(29.0)	1.31	(33.3)
7.09	(180.0)	78	1.17	(29.5)	1.29	(32.8)
7.05	(179.0)	80	1.19	(30.0)	1.27	(32.3)
7.01	(178.0)	82	1.21	(30.5)	1.25	(31.8)
6.97	(177.0)	84	1.23	(31.0)	1.23	(31.2)
6.93	(176.0)	86	1.25	(32.0)	1.21	(30.7)
6.89	(175.0)	88	1.27	(32.5)	1.19	(30.2)
6.85	(174.0)	90	1.29	(33.0)	1.17	(29.7)
6.81	(173.0)	92	1.31	(33.5)	1.15	(29.2)
6.77	(172.0)	94	1.33	(34.0)	1.13	(28.7)
6.73	(171.0)	96	1.35	(34.5)	1.11	(28.2)
6.69	(170.0)	98	1.37	(35.0)	1.09	(27.7)
6.65	(169.0)	100	1.39	(35.5)	1.07	(27.2)
6.61	(168.0)	102	1.41	(36.0)	1.05	(26.7)
6.57	(167.0)	104	1.43	(36.5)	1.03	(26.2)
6.53	(166.0)	106	1.45	(37.0)	1.01	(25.7)
6.49	(165.0)	108	1.47	(37.5)	0.99	(25.1)
6.45	(164.0)	110	1.49	(38.0)	0.97	(24.6)
6.41	(163.0)	112	1.51	(38.5)	0.95	(24.1)
6.37	(162.0)	114	1.53	(39.0)	0.93	(23.6)
6.33	(161.0)	116	1.55	(39.5)	0.91	(23.1)
6.29	(160.0)	118	1.57	(40.0)	0.89	(22.6)
6.25	(159.0)	120	1.59	(40.5)	0.87	(22.1)
6.21	(157.5)	122	1.61	(41.0)	0.85	(21.6)
6.17	(156.5)	124	1.63	(41.5)	0.83	(21.1)
6.13	(155.5)	126	1.65	(42.0)	0.81	(20.6)
6.09	(154.5)	128	1.67	(42.5)	0.79	(20.1)
6.05	(153.5)	130	1.69	(43.0)	0.77	(19.6)
6.01	(152.5)	132	1.71	(43.5)	0.75	(19.1)
5.97	(151.5)	134	1.73	(44.0)	0.73	(18.5)

Flange diameter is 9.43" (240 mm)

Undercarriage Code: 153, 157, 158, 1581, 163, 290, 2901, 291

Tall Flange Track Rollers

Tall Flange Double Flange Rollers
Use with Heavy Duty and Rotating Bushing Track
195-6515 & 16 or 8E7405 & 06 Links

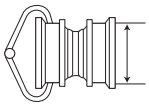
Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
8.25	(209.5)	0	0.78	(20.0)	1.87	(47.5)
8.21	(208.5)	4	0.80	(20.5)	1.85	(47.0)
8.17	(207.5)	8	0.82	(21.0)	1.83	(46.5)
8.13	(206.5)	12	0.84	(21.5)	1.81	(46.0)
8.09	(205.5)	16	0.86	(22.0)	1.79	(45.5)
8.05	(204.5)	20	0.88	(22.5)	1.77	(45.0)
8.01	(203.5)	24	0.90	(23.0)	1.75	(44.5)
7.97	(202.5)	28	0.92	(23.5)	1.73	(43.9)
7.93	(201.5)	32	0.94	(24.0)	1.71	(43.4)
7.89	(200.5)	36	0.96	(24.5)	1.69	(42.9)
7.85	(199.5)	40	0.98	(25.0)	1.67	(42.4)
7.81	(198.5)	43	1.00	(25.5)	1.65	(41.9)
7.77	(197.5)	46	1.02	(26.0)	1.63	(41.4)
7.73	(196.5)	49	1.04	(26.5)	1.61	(40.9)
7.69	(195.5)	52	1.06	(27.0)	1.59	(40.4)
7.65	(194.5)	55	1.08	(27.5)	1.57	(39.9)
7.61	(193.5)	58	1.10	(28.0)	1.55	(39.4)
7.57	(192.5)	61	1.12	(28.5)	1.53	(38.9)
7.53	(191.5)	64	1.14	(29.0)	1.51	(38.4)
7.49	(190.0)	67	1.16	(29.5)	1.49	(37.8)
7.45	(189.0)	70	1.18	(30.0)	1.47	(37.3)
7.41	(188.0)	73	1.20	(30.5)	1.45	(36.8)
7.37	(187.0)	76	1.22	(31.0)	1.43	(36.3)
7.33	(186.0)	79	1.24	(31.5)	1.41	(35.8)
7.29	(185.0)	82	1.26	(32.0)	1.39	(35.3)
7.25	(184.0)	85	1.28	(32.5)	1.37	(34.8)
7.21	(183.0)	88	1.30	(33.0)	1.35	(34.3)
7.17	(182.0)	91	1.32	(33.5)	1.33	(33.8)
7.13	(181.0)	94	1.34	(34.0)	1.31	(33.3)
7.09	(180.0)	97	1.36	(34.5)	1.29	(32.8)
7.05	(179.0)	100	1.38	(35.0)	1.27	(32.3)
7.01	(178.0)	103	1.40	(35.5)	1.25	(31.8)
6.97	(177.0)	106	1.42	(36.0)	1.23	(31.2)
6.93	(176.0)	109	1.44	(36.5)	1.21	(30.7)
6.89	(175.0)	112	1.46	(37.0)	1.19	(30.2)
6.85	(174.0)	115	1.48	(37.5)	1.17	(29.7)
6.81	(173.0)	118	1.50	(38.0)	1.15	(29.2)
6.77	(172.0)	121	1.52	(38.5)	1.13	(28.7)
6.73	(171.0)	124	1.54	(39.0)	1.11	(28.2)
6.69	(170.0)	127	1.56	(39.5)	1.09	(27.7)
6.65	(169.0)	130	1.58	(40.0)	1.07	(27.2)
6.61	(168.0)	133	1.60	(40.5)	1.05	(26.7)
6.57	(167.0)	136	1.62	(41.0)	1.03	(26.2)
6.53	(166.0)	139	1.64	(41.5)	1.01	(25.7)
6.49	(165.0)	142	1.66	(42.0)	0.99	(25.1)
6.45	(164.0)	145	1.68	(42.5)	0.97	(24.6)
6.41	(163.0)	148	1.70	(43.0)	0.95	(24.1)
6.37	(162.0)	151	1.72	(43.5)	0.93	(23.6)
6.33	(161.0)	154	1.74	(44.0)	0.91	(23.1)
6.29	(160.0)	157	1.76	(44.5)	0.89	(22.6)
6.25	(159.0)	160	1.78	(45.0)	0.87	(22.1)
6.21	(157.5)	163	1.80	(45.5)	0.85	(21.6)
6.17	(156.5)	166	1.82	(46.0)	0.83	(21.1)
6.13	(155.5)	169	1.84	(46.5)	0.81	(20.6)
6.09	(154.5)	172	1.86	(47.0)	0.79	(20.1)
6.05	(153.5)	175	1.88	(48.0)	0.77	(19.6)
6.01	(152.5)	178	1.90	(48.5)	0.75	(19.1)
5.97	(151.5)	181	1.92	(49.0)	0.73	(18.5)

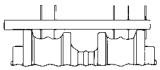
Flange diameter is 9.82" (249.5 mm)

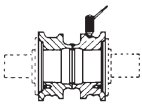
Undercarriage Code: 157, 163, 291

Track Rollers

Use with Sealed & Lubricated Track
8E2355 & 56 Links







Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
8.25	(209.5)	0	0.59	(15.0)	1.87	(47.5)
8.21	(208.5)	3	0.61	(15.5)	1.85	(47.0)
8.17	(207.5)	6	0.63	(16.0)	1.83	(46.5)
8.13	(206.5)	9	0.65	(16.5)	1.81	(46.0)
8.09	(205.5)	12	0.67	(17.0)	1.79	(45.5)
8.05	(204.5)	15	0.69	(17.5)	1.77	(45.0)
8.01	(203.5)	18	0.71	(18.0)	1.75	(44.5)
7.97	(202.5)	21	0.73	(18.5)	1.73	(43.9)
7.93	(201.5)	24	0.75	(19.0)	1.71	(43.4)
7.89	(200.5)	27	0.77	(19.5)	1.69	(42.9)
7.85	(199.5)	30	0.79	(20.0)	1.67	(42.4)
7.81	(198.5)	33	0.81	(20.5)	1.65	(41.9)
7.77	(197.5)	36	0.83	(21.0)	1.63	(41.4)
7.73	(196.5)	39	0.85	(21.5)	1.61	(40.9)
7.69	(195.5)	42	0.87	(22.0)	1.59	(40.4)
7.65	(194.5)	45	0.89	(22.5)	1.57	(39.9)
7.61	(193.5)	48	0.91	(23.0)	1.55	(39.4)
7.57	(192.5)	51	0.93	(23.5)	1.53	(38.9)
7.53	(191.5)	54	0.95	(24.0)	1.51	(38.4)
7.49	(190.0)	57	0.97	(24.5)	1.49	(37.8)
7.45	(189.0)	60	0.99	(25.0)	1.47	(37.3)
7.41	(188.0)	63	1.01	(25.5)	1.45	(36.8)
7.37	(187.0)	66	1.03	(26.0)	1.43	(36.3)
7.33	(186.0)	69	1.05	(26.5)	1.41	(35.8)
7.29	(185.0)	72	1.07	(27.0)	1.39	(35.3)
7.25	(184.0)	75	1.09	(27.5)	1.37	(34.8)
7.21	(183.0)	78	1.11	(28.0)	1.35	(34.3)
7.17	(182.0)	81	1.13	(28.5)	1.33	(33.8)
7.13	(181.0)	84	1.15	(29.0)	1.31	(33.3)
7.09	(180.0)	86	1.17	(29.5)	1.29	(32.8)
7.05	(179.0)	88	1.19	(30.0)	1.27	(32.3)
7.01	(178.0)	90	1.21	(30.5)	1.25	(31.8)
6.97	(177.0)	92	1.23	(31.0)	1.23	(31.2)
6.93	(176.0)	94	1.25	(32.0)	1.21	(30.7)
6.89	(175.0)	96	1.27	(32.5)	1.19	(30.2)
6.85	(174.0)	98	1.29	(33.0)	1.17	(29.7)
6.81	(173.0)	100	1.31	(33.5)	1.15	(29.2)
6.77	(172.0)	102	1.33	(34.0)	1.13	(28.7)
6.73	(171.0)	104	1.35	(34.5)	1.11	(28.2)
6.69	(170.0)	106	1.37	(35.0)	1.09	(27.7)
6.65	(169.0)	108	1.39	(35.5)	1.07	(27.2)
6.61	(168.0)	110	1.41	(36.0)	1.05	(26.7)
6.57	(167.0)	112	1.43	(36.5)	1.03	(26.2)
6.53	(166.0)	114	1.45	(37.0)	1.01	(25.7)
6.49	(165.0)	116	1.47	(37.5)	0.99	(25.1)
6.45	(164.0)	118	1.49	(38.0)	0.97	(24.6)
6.41	(163.0)	120	1.51	(38.5)	0.95	(24.1)
6.37	(162.0)	122	1.53	(39.0)	0.93	(23.6)
6.33	(161.0)	124	1.55	(39.5)	0.91	(23.1)
6.29	(160.0)	126	1.57	(40.0)	0.89	(22.6)
6.25	(159.0)	128	1.59	(40.5)	0.87	(22.1)
6.21	(157.5)	130	1.61	(41.0)	0.85	(21.6)
6.17	(156.5)	132	1.63	(41.5)	0.83	(21.1)
6.13	(155.5)	134	1.65	(42.0)	0.81	(20.6)
6.09	(154.5)	136	1.67	(42.5)	0.79	(20.1)
6.05	(153.5)	138	1.69	(43.0)	0.77	(19.6)
6.01	(152.5)	140	1.71	(43.5)	0.75	(19.1)
5.97	(151.5)	142	1.73	(44.0)	0.73	(18.5)

Flange diameter is 9.43" (240 mm)

Undercarriage Code: 150, 1578

Sprockets

Not for use on 527 with Optional Large Diameter Bushing



Tape Measure Inches	(mm)	% Worn
8.85	(225.0)	0
8.80	(223.5)	7
8.75	(222.5)	14
8.70	(221.0)	21
8.65	(219.5)	28
8.60	(218.5)	35
8.55	(217.0)	42
8.50	(216.0)	49
8.45	(214.5)	55
8.40	(213.5)	60
8.35	(212.0)	65
8.30	(211.0)	70
8.25	(209.5)	75
8.20	(208.5)	80
8.15	(207.0)	85
8.10	(205.5)	90
8.05	(204.5)	95
8.00	(203.0)	100
7.95	(202.0)	105
7.90	(200.5)	110
7.85	(199.5)	115
7.80	(198.0)	120

NOTE: Measure across 3 teeth

Undercarriage Code: 150, 153, 157, 1578, 158, 1581, 163, 290, 291

D6H, D6R, 527 — 8.00" (203.2 mm)

Sprockets

Use only with 527 Optional Large Diameter Bushing



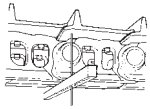
Tape Measure Inches	Tape Measure (mm)	% Worn
8.55	(217.0)	0
8.50	(216.0)	10
8.45	(214.5)	20
8.40	(213.5)	30
8.35	(212.0)	40
8.30	(211.0)	50
8.25	(209.5)	60
8.20	(208.5)	68
8.15	(207.0)	76
8.10	(205.5)	84
8.05	(204.5)	92
8.00	(203.0)	100
7.95	(202.0)	108
7.90	(200.5)	116
7.85	(199.5)	124

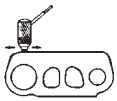
NOTE: Measure across 3 teeth

D7H, D7R, 572R — 8.50" (215.9 mm)

Track Links

Heavy Duty Track
Rotating Bushing Track
6I9239 & 40



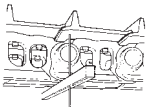


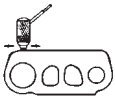
Depth Gauge			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
5.50	(139.5)	0	1.66	(42.2)
5.48	(139.0)	4	1.64	(41.7)
5.46	(138.5)	8	1.62	(41.1)
5.44	(138.0)	12	1.60	(40.6)
5.42	(137.5)	16	1.58	(40.1)
5.40	(137.0)	20	1.56	(39.6)
5.38	(136.5)	24	1.54	(39.1)
5.36	(136.0)	28	1.52	(38.6)
5.34	(135.5)	32	1.50	(38.1)
5.32	(135.0)	36	1.48	(37.6)
5.30	(134.5)	40	1.46	(37.1)
5.28	(134.0)	44	1.44	(36.6)
5.26	(133.5)	48	1.42	(36.1)
5.24	(133.0)	52	1.40	(35.6)
5.22	(132.5)	56	1.38	(35.1)
5.20	(132.0)	60	1.36	(34.5)
5.18	(131.5)	64	1.34	(34.0)
5.16	(131.0)	68	1.32	(33.5)
5.14	(130.5)	72	1.30	(33.0)
5.12	(130.0)	76	1.28	(32.5)
5.10	(129.5)	80	1.26	(32.0)
5.08	(129.0)	84	1.24	(31.5)
5.06	(128.5)	88	1.22	(31.0)
5.04	(128.0)	92	1.20	(30.5)
5.02	(127.5)	96	1.18	(30.0)
5.00	(127.0)	100	1.16	(29.5)
4.98	(126.5)	104	1.14	(29.0)
4.96	(126.0)	108	1.12	(28.4)
4.94	(125.5)	112	1.10	(27.9)
4.92	(125.0)	116	1.08	(27.4)
4.90	(124.5)	120	1.06	(26.9)

Undercarriage Code: 1642, 166, 169, 170, 1701, 173, 174, 1741

Track Links

9G2417 & 18



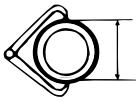


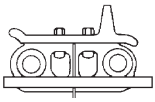
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
5.17	(131.5)	0	1.46	(37.1)
5.15	(131.0)	5	1.44	(36.6)
5.13	(130.5)	10	1.42	(36.1)
5.11	(130.0)	15	1.40	(35.6)
5.09	(129.5)	20	1.38	(35.1)
5.07	(129.0)	25	1.36	(34.5)
5.05	(128.5)	30	1.34	(34.0)
5.03	(128.0)	35	1.32	(33.5)
5.01	(127.5)	40	1.30	(33.0)
4.99	(126.5)	45	1.28	(32.5)
4.97	(126.0)	50	1.26	(32.0)
4.95	(125.5)	55	1.24	(31.5)
4.93	(125.0)	60	1.22	(31.0)
4.91	(124.5)	65	1.20	(30.5)
4.89	(124.0)	70	1.18	(30.0)
4.87	(123.5)	75	1.16	(29.5)
4.85	(123.0)	80	1.14	(29.0)
4.83	(122.5)	85	1.12	(28.4)
4.81	(122.0)	90	1.10	(27.9)
4.79	(121.5)	95	1.08	(27.4)
4.77	(121.0)	100	1.06	(26.9)
4.75	(120.5)	104	1.04	(26.4)
4.73	(120.0)	108	1.02	(25.9)
4.71	(119.5)	112	1.00	(25.4)
4.69	(119.0)	116	0.98	(24.9)
4.67	(118.5)	120	0.96	(24.4)

Undercarriage Code: 164, 1641, 1698

D7H, D7R, 572R — 8.50" (215.9 mm)

Bushings for Heavy Duty Track





Caliper Inches	(mm)	Allowable Wear Lesser % Worn	Greater % Worn	Ultrasonic Inches	(mm)	Depth Gauge Inches	(mm)
3.11	(79.0)	0	0	0.60	(15.2)	3.86	(98.0)
3.10	(78.7)	5	4	0.59	(15.0)	3.85	(97.8)
3.09	(78.5)	10	8	0.58	(14.7)	3.84	(97.5)
3.08	(78.2)	15	12	0.57	(14.5)	3.83	(97.3)
3.07	(78.0)	20	16	0.56	(14.2)	3.82	(97.0)
3.06	(77.7)	25	20	0.55	(14.0)	3.81	(96.8)
3.05	(77.5)	30	24	0.54	(13.7)	3.80	(96.5)
3.04	(77.2)	35	28	0.53	(13.5)	3.79	(96.3)
3.03	(77.0)	40	32	0.52	(13.2)	3.78	(96.0)
3.02	(76.7)	45	36	0.51	(13.0)	3.77	(95.8)
3.01	(76.5)	50	40	0.50	(12.7)	3.76	(95.5)
3.00	(76.2)	55	42	0.49	(12.4)	3.75	(95.3)
2.99	(75.9)	60	44	0.48	(12.2)	3.74	(95.0)
2.98	(75.7)	65	46	0.47	(11.9)	3.73	(94.7)
2.97	(75.4)	68	48	0.46	(11.7)	3.72	(94.5)
2.96	(75.2)	70	50	0.45	(11.4)	3.71	(94.2)
2.95	(74.9)	72	52	0.44	(11.2)	3.70	(94.0)
2.94	(74.7)	74	54	0.43	(10.9)	3.69	(93.7)
2.93	(74.4)	76	56	0.42	(10.7)	3.68	(93.5)
2.92	(74.2)	78	58	0.41	(10.4)	3.67	(93.2)
2.91	(73.9)	80	60	0.40	(10.2)	3.66	(93.0)
2.90	(73.7)	82	62	0.39	(9.9)	3.65	(92.7)
2.89	(73.4)	84	64	0.38	(9.7)	3.64	(92.5)
2.88	(73.2)	86	66	0.37	(9.4)	3.63	(92.2)
2.87	(72.9)	88	68	0.36	(9.1)	3.62	(91.9)
2.86	(72.6)	90	70	0.35	(8.9)	3.61	(91.7)
2.85	(72.4)	92	72	0.34	(8.6)	3.60	(91.4)
2.84	(72.1)	94	74	0.33	(8.4)	3.59	(91.2)
2.83	(71.9)	96	76	0.32	(8.1)	3.58	(90.9)
2.82	(71.6)	98	78	0.31	(7.9)	3.57	(90.7)
2.81	(71.4)	100	80	0.30	(7.6)	3.56	(90.4)
2.80	(71.1)	102	82	0.29	(7.4)	3.55	(90.2)
2.79	(70.9)	104	84	0.28	(7.1)	3.54	(89.9)
2.78	(70.6)	106	86	0.27	(6.9)	3.53	(89.7)
2.77	(70.4)	108	88	0.26	(6.6)	3.52	(89.4)
2.76	(70.1)	110	90	0.25	(6.3)	3.51	(89.2)
2.75	(69.9)	112	92	0.24	(6.1)	3.50	(88.9)
2.74	(69.6)	114	94	0.23	(5.8)	3.49	(88.6)
2.73	(69.3)	116	96	0.22	(5.6)	3.48	(88.4)
2.72	(69.1)	118	98	0.21	(5.3)	3.47	(88.1)
2.71	(68.8)	120	100	0.20	(5.1)	3.46	(87.9)
2.70	(68.6)		102	0.19	(4.8)	3.45	(87.6)
2.69	(68.3)		104	0.18	(4.6)	3.44	(87.4)
2.68	(68.1)		106	0.17	(4.3)	3.43	(87.1)
2.67	(67.8)		108	0.16	(4.1)	3.42	(86.9)
2.66	(67.6)		110	0.15	(3.8)	3.41	(86.6)
2.65	(67.3)		112	0.14	(3.6)	3.40	(86.4)
2.64	(67.1)		114	0.13	(3.3)	3.39	(86.1)
2.63	(66.8)		116	0.12	(3.0)	3.38	(85.9)
2.62	(66.5)		118	0.11	(2.8)	3.37	(85.6)
2.61	(66.3)		120	0.10	(2.5)	3.36	(85.3)

NOTE: DO NOT USE DEPTH GAUGE UNTIL BUSHINGS HAVE BEEN "TURNED."

Undercarriage Code: 1642, 166, 169, 170, 1701, 173, 174, 1741

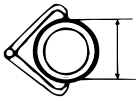
Bushings for Rotating Bushing Track

Caliper			Ultrasonic		Depth Gauge	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
3.11	(79.0)	0	0.61	(15.5)	3.86	(98.0)
3.09	(78.5)	4	0.60	(15.2)	3.85	(97.8)
3.07	(78.0)	8	0.59	(15.0)	3.84	(97.5)
3.05	(77.5)	12	0.58	(14.7)	3.83	(97.3)
3.03	(77.0)	16	0.57	(14.5)	3.82	(97.0)
3.01	(76.5)	20	0.56	(14.2)	3.81	(96.8)
2.99	(75.9)	24	0.55	(14.0)	3.80	(96.5)
2.97	(75.4)	28	0.54	(13.7)	3.79	(96.3)
2.95	(74.9)	32	0.53	(13.5)	3.78	(96.0)
2.93	(74.4)	36	0.52	(13.2)	3.77	(95.8)
2.91	(73.9)	38	0.51	(13.0)	3.76	(95.5)
2.89	(73.4)	40	0.50	(12.7)	3.75	(95.3)
2.87	(72.9)	42	0.49	(12.4)	3.74	(95.0)
2.85	(72.4)	44	0.48	(12.2)	3.73	(94.7)
2.83	(71.9)	46	0.47	(11.9)	3.72	(94.5)
2.81	(71.4)	48	0.46	(11.7)	3.71	(94.2)
2.79	(70.9)	50	0.45	(11.4)	3.70	(94.0)
2.77	(70.4)	52	0.44	(11.2)	3.69	(93.7)
2.75	(69.9)	54	0.43	(10.9)	3.68	(93.5)
2.73	(69.3)	56	0.42	(10.7)	3.67	(93.2)
2.71	(68.8)	58	0.41	(10.4)	3.66	(93.0)
2.69	(68.3)	60	0.40	(10.2)	3.65	(92.7)
2.67	(67.8)	62	0.39	(9.9)	3.64	(92.5)
2.65	(67.3)	64	0.38	(9.7)	3.63	(92.2)
2.63	(66.8)	66	0.37	(9.4)	3.62	(91.9)
2.61	(66.3)	68	0.36	(9.1)	3.61	(91.7)
2.59	(65.8)	70	0.35	(8.9)	3.60	(91.4)
2.57	(65.3)	72	0.34	(8.6)	3.59	(91.2)
2.55	(64.8)	74	0.33	(8.4)	3.58	(90.9)
2.53	(64.3)	76	0.32	(8.1)	3.57	(90.7)
2.51	(63.8)	78	0.31	(7.9)	3.56	(90.4)
2.49	(63.2)	80	0.30	(7.6)	3.55	(90.2)
2.47	(62.7)	82	0.29	(7.4)	3.54	(89.9)
2.45	(62.2)	84	0.28	(7.1)	3.53	(89.7)
2.43	(61.7)	86	0.27	(6.9)	3.52	(89.4)
2.41	(61.2)	88	0.26	(6.6)	3.51	(89.2)
2.39	(60.7)	90	0.25	(6.3)	3.50	(88.9)
2.37	(60.2)	92	0.24	(6.1)	3.49	(88.6)
2.35	(59.7)	94	0.23	(5.8)	3.48	(88.4)
2.33	(59.2)	96	0.22	(5.6)	3.47	(88.1)
2.31	(58.7)	98	0.21	(5.3)	3.46	(87.9)
2.29	(58.2)	100	0.20	(5.1)	3.45	(87.6)
2.27	(57.7)	102	0.19	(4.8)	3.44	(87.4)
2.25	(57.2)	104	0.18	(4.6)	3.43	(87.1)
2.23	(56.6)	106	0.17	(4.3)	3.42	(86.9)
2.21	(56.1)	108	0.16	(4.1)	3.41	(86.6)
2.19	(55.6)	110	0.15	(3.8)	3.40	(86.4)
2.17	(55.1)	112	0.14	(3.6)	3.39	(86.1)
2.15	(54.6)	114	0.13	(3.3)	3.38	(85.9)
2.13	(54.1)	116	0.12	(3.0)	3.37	(85.6)
2.11	(53.6)	118	0.11	(2.8)	3.36	(85.3)
2.09	(53.1)	120	0.10	(2.5)	3.35	(85.1)

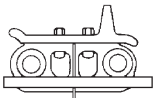
Undercarriage Code: 1642, 166, 169, 170, 1701, 173, 174, 1741

D7H, D7R, 572R — 8.50" (215.9 mm)

Bushings for Sealed & Lubricated Track







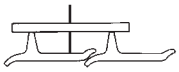
Caliper		Allowable Wear		Ultrasonic		Depth Gauge	
		Lesser	Greater				
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
3.11	(79.0)	0	0	0.60	(15.2)	3.80	(96.5)
3.10	(78.7)	5	4	0.59	(15.0)	3.79	(96.3)
3.09	(78.5)	10	8	0.58	(14.7)	3.78	(96.0)
3.08	(78.2)	15	12	0.57	(14.5)	3.77	(95.8)
3.07	(78.0)	20	16	0.56	(14.2)	3.76	(95.5)
3.06	(77.7)	25	20	0.55	(14.0)	3.75	(95.3)
3.05	(77.5)	30	24	0.54	(13.7)	3.74	(95.0)
3.04	(77.2)	35	28	0.53	(13.5)	3.73	(94.7)
3.03	(77.0)	40	32	0.52	(13.2)	3.72	(94.5)
3.02	(76.7)	45	36	0.51	(13.0)	3.71	(94.2)
3.01	(76.5)	50	40	0.50	(12.7)	3.70	(94.0)
3.00	(76.2)	55	42	0.49	(12.4)	3.69	(93.7)
2.99	(75.9)	60	44	0.48	(12.2)	3.68	(93.5)
2.98	(75.7)	65	46	0.47	(11.9)	3.67	(93.2)
2.97	(75.4)	68	48	0.46	(11.7)	3.66	(93.0)
2.96	(75.2)	70	50	0.45	(11.4)	3.65	(92.7)
2.95	(74.9)	72	52	0.44	(11.2)	3.64	(92.5)
2.94	(74.7)	74	54	0.43	(10.9)	3.63	(92.2)
2.93	(74.4)	76	56	0.42	(10.7)	3.62	(91.9)
2.92	(74.2)	78	58	0.41	(10.4)	3.61	(91.7)
2.91	(73.9)	80	60	0.40	(10.2)	3.60	(91.4)
2.90	(73.7)	82	62	0.39	(9.9)	3.59	(91.2)
2.89	(73.4)	84	64	0.38	(9.7)	3.58	(90.9)
2.88	(73.2)	86	66	0.37	(9.4)	3.57	(90.7)
2.87	(72.9)	88	68	0.36	(9.1)	3.56	(90.4)
2.86	(72.6)	90	70	0.35	(8.9)	3.55	(90.2)
2.85	(72.4)	92	72	0.34	(8.6)	3.54	(89.9)
2.84	(72.1)	94	74	0.33	(8.4)	3.53	(89.7)
2.83	(71.9)	96	76	0.32	(8.1)	3.52	(89.4)
2.82	(71.6)	98	78	0.31	(7.9)	3.51	(89.2)
2.81	(71.4)	100	80	0.30	(7.6)	3.50	(88.9)
2.80	(71.1)	102	82	0.29	(7.4)	3.49	(88.6)
2.79	(70.9)	104	84	0.28	(7.1)	3.48	(88.4)
2.78	(70.6)	106	86	0.27	(6.9)	3.47	(88.1)
2.77	(70.4)	108	88	0.26	(6.6)	3.46	(87.9)
2.76	(70.1)	110	90	0.25	(6.3)	3.45	(87.6)
2.75	(69.9)	112	92	0.24	(6.1)	3.44	(87.4)
2.74	(69.6)	114	94	0.23	(5.8)	3.43	(87.1)
2.73	(69.3)	116	96	0.22	(5.6)	3.42	(86.9)
2.72	(69.1)	118	98	0.21	(5.3)	3.41	(86.6)
2.71	(68.8)	120	100	0.20	(5.1)	3.40	(86.4)
2.70	(68.6)		102	0.19	(4.8)	3.39	(86.1)
2.69	(68.3)		104	0.18	(4.6)	3.38	(85.9)
2.68	(68.1)		106	0.17	(4.3)	3.37	(85.6)
2.67	(67.8)		108	0.16	(4.1)	3.36	(85.3)
2.66	(67.6)		110	0.15	(3.8)	3.35	(85.1)
2.65	(67.3)		112	0.14	(3.6)	3.34	(84.8)
2.64	(67.1)		114	0.13	(3.3)	3.33	(84.6)
2.63	(66.8)		116	0.12	(3.0)	3.32	(84.3)
2.62	(66.5)		118	0.11	(2.8)	3.31	(84.1)
2.61	(66.3)		120	0.10	(2.5)	3.30	(83.8)

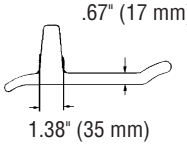
NOTE: DO NOT USE DEPTH GAUGE UNTIL BUSHINGS HAVE BEEN "TURNED."

Undercarriage Code: 164, 1641, 1698

Track Shoes

Extreme Service





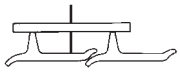


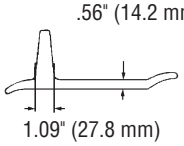
Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
2.80	(71.0)	0	0	3.45	(87.6)
2.75	(70.0)	4	3	3.40	(86.4)
2.70	(68.5)	8	6	3.35	(85.1)
2.65	(67.5)	12	9	3.30	(83.8)
2.60	(66.0)	16	12	3.25	(82.6)
2.55	(65.0)	20	15	3.20	(81.3)
2.50	(63.5)	24	18	3.15	(80.0)
2.45	(62.0)	28	21	3.10	(78.7)
2.40	(61.0)	32	24	3.05	(77.5)
2.35	(59.5)	36	27	3.00	(76.2)
2.30	(58.5)	40	30	2.95	(74.9)
2.25	(57.0)	44	33	2.90	(73.7)
2.20	(56.0)	48	36	2.85	(72.4)
2.15	(54.5)	52	39	2.80	(71.1)
2.10	(53.5)	56	42	2.75	(69.9)
2.05	(52.0)	60	45	2.70	(68.6)
2.00	(51.0)	64	48	2.65	(67.3)
1.95	(49.5)	68	51	2.60	(66.0)
1.90	(48.5)	72	54	2.55	(64.8)
1.85	(47.0)	76	57	2.50	(63.5)
1.80	(45.5)	80	60	2.45	(62.2)
1.75	(44.5)	84	63	2.40	(61.0)
1.70	(43.0)	88	66	2.35	(59.7)
1.65	(42.0)	91	69	2.30	(58.4)
1.60	(40.5)	94	72	2.25	(57.2)
1.55	(39.5)	97	75	2.20	(55.9)
1.50	(38.0)	100	78	2.15	(54.6)
1.45	(37.0)	103	81	2.10	(53.3)
1.40	(35.5)	106	84	2.05	(52.1)
1.35	(34.5)	109	86	2.00	(50.8)
1.30	(33.0)	112	88	1.95	(49.5)
1.25	(32.0)	115	90	1.90	(48.3)
1.20	(30.5)	118	92	1.85	(47.0)
1.15	(29.0)	121	94	1.80	(45.7)
1.10	(28.0)		96	1.75	(44.5)
1.05	(26.5)		98	1.70	(43.2)
1.00	(25.5)		100	1.65	(41.9)
0.95	(24.0)		102	1.60	(40.6)
0.90	(23.0)		104	1.55	(39.4)
0.85	(21.5)		106	1.50	(38.1)
0.80	(20.5)		108	1.45	(36.8)
0.75	(19.0)		110	1.40	(35.6)
0.70	(18.0)		112	1.35	(34.3)
0.65	(16.5)		114	1.30	(33.0)
0.60	(15.0)		116	1.25	(31.8)
0.55	(14.0)		118	1.20	(30.5)
0.50	(12.5)		120	1.15	(29.2)

Undercarriage Code: 164, 1641, 1642, 166, 169, 1698, 170, 1701, 173, 174, 1741

Track Shoes

Moderate Service





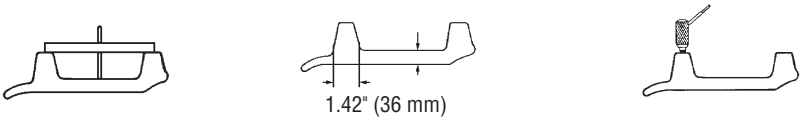


Depth Gauge Inches	(mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	(mm)
2.75	(70.0)	0	0	3.30	(83.8)
2.70	(68.5)	4	3	3.25	(82.6)
2.65	(67.5)	8	6	3.20	(81.3)
2.60	(66.0)	12	9	3.15	(80.0)
2.55	(65.0)	16	12	3.10	(78.7)
2.50	(63.5)	20	15	3.05	(77.5)
2.45	(62.0)	24	18	3.00	(76.2)
2.40	(61.0)	28	21	2.95	(74.9)
2.35	(59.5)	32	24	2.90	(73.7)
2.30	(58.5)	36	27	2.85	(72.4)
2.25	(57.0)	40	30	2.80	(71.1)
2.20	(56.0)	44	33	2.75	(69.9)
2.15	(54.5)	48	36	2.70	(68.6)
2.10	(53.5)	52	39	2.65	(67.3)
2.05	(52.0)	56	42	2.60	(66.0)
2.00	(51.0)	60	45	2.55	(64.8)
1.95	(49.5)	64	48	2.50	(63.5)
1.90	(48.5)	68	51	2.45	(62.2)
1.85	(47.0)	72	54	2.40	(61.0)
1.80	(45.5)	76	57	2.35	(59.7)
1.75	(44.5)	80	60	2.30	(58.4)
1.70	(43.0)	84	63	2.25	(57.2)
1.65	(42.0)	88	66	2.20	(55.9)
1.60	(40.5)	92	69	2.15	(54.6)
1.55	(39.5)	96	72	2.10	(53.3)
1.50	(38.0)	100	75	2.05	(52.1)
1.45	(37.0)	104	78	2.00	(50.8)
1.40	(35.5)	108	81	1.95	(49.5)
1.35	(34.5)	112	84	1.90	(48.3)
1.30	(33.0)	116	87	1.85	(47.0)
1.25	(32.0)	120	90	1.80	(45.7)
1.20	(30.5)		92	1.75	(44.5)
1.15	(29.0)		94	1.70	(43.2)
1.10	(28.0)		96	1.65	(41.9)
1.05	(26.5)		98	1.60	(40.6)
1.00	(25.5)		100	1.55	(39.4)
0.95	(24.0)		102	1.50	(38.1)
0.90	(23.0)		104	1.45	(36.8)
0.85	(21.5)		106	1.40	(35.6)
0.80	(20.5)		108	1.35	(34.3)
0.75	(19.0)		110	1.30	(33.0)
0.70	(18.0)		112	1.25	(31.8)
0.65	(16.5)		114	1.20	(30.5)
0.60	(15.0)		116	1.15	(29.2)
0.55	(14.0)		118	1.10	(27.9)
0.50	(12.5)		120	1.05	(26.7)

Undercarriage Code: 164, 1641, 1642, 166, 169, 1698, 170, 1701, 173, 174, 1741

Track Shoes

Double Grouser



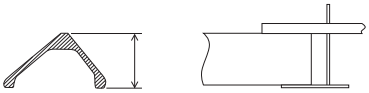
Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
1.95	(49.5)	0	0	2.55	(64.8)
1.90	(48.5)	5	4	2.50	(63.5)
1.85	(47.0)	10	8	2.45	(62.2)
1.80	(45.5)	15	12	2.40	(61.0)
1.75	(44.5)	20	16	2.35	(59.7)
1.70	(43.0)	24	20	2.30	(58.4)
1.65	(42.0)	28	24	2.25	(57.2)
1.60	(40.5)	32	28	2.20	(55.9)
1.55	(39.5)	36	32	2.15	(54.6)
1.50	(38.0)	40	36	2.10	(53.3)
1.45	(37.0)	44	40	2.05	(52.1)
1.40	(35.5)	48	44	2.00	(50.8)
1.35	(34.5)	52	48	1.95	(49.5)
1.30	(33.0)	56	52	1.90	(48.3)
1.25	(32.0)	60	55	1.85	(47.0)
1.20	(30.5)	64	58	1.80	(45.7)
1.15	(29.0)	68	61	1.75	(44.5)
1.10	(28.0)	72	64	1.70	(43.2)
1.05	(26.5)	76	67	1.65	(41.9)
1.00	(25.5)	80	70	1.60	(40.6)
0.95	(24.0)	84	73	1.55	(39.4)
0.90	(23.0)	88	76	1.50	(38.1)
0.85	(21.5)	92	79	1.45	(36.8)
0.80	(20.5)	96	82	1.40	(35.6)
0.75	(19.0)	100	85	1.35	(34.3)
0.70	(18.0)	104	88	1.30	(33.0)
0.65	(16.5)	108	91	1.25	(31.8)
0.60	(15.0)	112	94	1.20	(30.5)
0.55	(14.0)	116	97	1.15	(29.2)
0.50	(12.5)	120	100	1.10	(27.9)
0.45	(11.5)		103	1.05	(26.7)
0.40	(10.0)		106	1.00	(25.4)
0.35	(9.0)		109	0.95	(24.1)
0.30	(7.5)		112	0.90	(22.9)
0.25	(6.5)		115	0.85	(21.6)
0.20	(5.0)		118	0.80	(20.3)
0.15	(4.0)		121	0.75	(19.1)

Undercarriage Code: 164, 1641, 1642, 166, 169, 1698, 170, 1701, 173, 174, 1741

D7H, D7R, 572R — 8.50" (215.9 mm)

Track Shoes

Self Cleaning

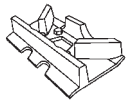


Depth Gauge Inches	(mm)	% Worn
4.36	(110.5)	0
4.34	(110.0)	4
4.32	(109.5)	8
4.30	(109.0)	12
4.28	(108.5)	16
4.26	(108.0)	20
4.24	(107.5)	24
4.22	(107.0)	28
4.20	(106.5)	32
4.18	(106.0)	36
4.16	(105.5)	40
4.14	(105.0)	44
4.12	(104.5)	48
4.10	(104.0)	52
4.08	(103.5)	55
4.06	(103.0)	58
4.04	(102.5)	61
4.02	(102.0)	64
4.00	(101.5)	67
3.98	(101.0)	70
3.96	(100.5)	73
3.94	(100.0)	76
3.92	(99.5)	79
3.90	(99.0)	82
3.88	(98.5)	85
3.86	(98.0)	88
3.84	(97.5)	91
3.82	(97.0)	94
3.80	(96.5)	97
3.78	(96.0)	100
3.76	(95.5)	103
3.74	(95.0)	106
3.72	(94.5)	109
3.70	(94.0)	112
3.68	(93.5)	115
3.66	(93.0)	118
3.64	(92.5)	121

Undercarriage Code: 164, 1641, 1642, 166, 169, 1698, 170, 1701, 173

Track Shoes

Chopper



Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
3.15	(80.0)	0	3.75	(95.3)
3.05	(77.5)	5	3.65	(92.7)
2.95	(75.0)	10	3.55	(90.2)
2.85	(72.5)	15	3.45	(87.6)
2.75	(70.0)	20	3.35	(85.1)
2.65	(67.5)	24	3.25	(82.6)
2.55	(65.0)	28	3.15	(80.0)
2.45	(62.0)	32	3.05	(77.5)
2.35	(59.5)	36	2.95	(74.9)
2.25	(57.0)	40	2.85	(72.4)
2.15	(54.5)	44	2.75	(69.9)
2.05	(52.0)	48	2.65	(67.3)
1.95	(49.5)	52	2.55	(64.8)
1.85	(47.0)	56	2.45	(62.2)
1.75	(44.5)	60	2.35	(59.7)
1.65	(42.0)	64	2.25	(57.2)
1.55	(39.5)	68	2.15	(54.6)
1.45	(37.0)	72	2.05	(52.1)
1.35	(34.5)	76	1.95	(49.5)
1.25	(31.5)	80	1.85	(47.0)
1.15	(29.0)	84	1.75	(44.5)
1.05	(26.5)	88	1.65	(41.9)
0.95	(24.0)	92	1.55	(39.4)
0.85	(21.5)	96	1.45	(36.8)
0.75	(19.0)	100	1.35	(34.3)
0.65	(16.5)	104	1.25	(31.7)
0.55	(14.0)	108	1.15	(29.2)
0.45	(11.5)	112	1.05	(26.7)
0.35	(9.0)	116	0.95	(24.1)
0.25	(6.5)	120	0.85	(21.6)

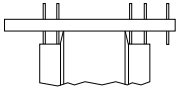
NOTE: When measuring with the Ultrasonic Wear Indicator, measure in the center of the full length grouser.

Undercarriage Code: 164, 1641, 1642, 166, 169, 1698, 170, 1701, 173, 174, 1741

D7H, D7R, 572R — 8.50" (215.9 mm)

Idlers

Extended Life Idler
Cast



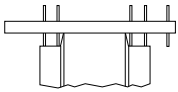
Depth Gauge Inches	(mm)	% Worn
0.78	(20.0)	0
0.80	(20.5)	4
0.82	(21.0)	8
0.84	(21.5)	12
0.86	(22.0)	16
0.88	(22.5)	20
0.90	(23.0)	24
0.92	(23.5)	28
0.94	(24.0)	32
0.96	(24.5)	36
0.98	(25.0)	40
1.00	(25.5)	44
1.02	(26.0)	48
1.04	(26.5)	52
1.06	(27.0)	56
1.08	(27.5)	60
1.10	(28.0)	64
1.12	(28.5)	68
1.14	(29.0)	72
1.16	(29.5)	76
1.18	(30.0)	78
1.20	(30.5)	80
1.22	(31.0)	82
1.24	(31.5)	84
1.26	(32.0)	86
1.28	(32.5)	88
1.30	(33.0)	90
1.32	(33.5)	92
1.34	(34.0)	94
1.36	(34.5)	96
1.38	(35.0)	98
1.40	(35.5)	100
1.42	(36.0)	102
1.44	(36.5)	104
1.46	(37.0)	106
1.48	(37.5)	108
1.50	(38.0)	110
1.52	(38.5)	112
1.54	(39.0)	114
1.56	(39.5)	116
1.58	(40.0)	118
1.60	(40.5)	120

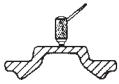
Flange width: 3.94" (100 mm)

Undercarriage Code: 1701, 1741

Idlers

Original Idler
Fabricated





Depth Gauge Inches	(mm)	% Worn
0.78	(20.0)	0
0.80	(20.5)	6
0.82	(21.0)	12
0.84	(21.5)	18
0.86	(22.0)	24
0.88	(22.5)	30
0.90	(23.0)	36
0.92	(23.5)	42
0.94	(24.0)	48
0.96	(24.5)	54
0.98	(25.0)	60
1.00	(25.5)	66
1.02	(26.0)	72
1.04	(26.5)	76
1.06	(27.0)	78
1.08	(27.5)	80
1.10	(28.0)	82
1.12	(28.5)	84
1.14	(29.0)	86
1.16	(29.5)	88
1.18	(30.0)	90
1.20	(30.5)	92
1.22	(31.0)	94
1.24	(31.5)	96
1.26	(32.0)	98
1.28	(32.5)	100
1.30	(33.0)	102
1.32	(33.5)	104
1.34	(34.0)	106
1.36	(34.5)	108
1.38	(35.0)	110
1.40	(35.5)	112
1.42	(36.0)	114
1.44	(36.5)	116
1.46	(37.0)	118
1.48	(37.5)	120

Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.48	(12.2)	0.00	(0.0)
0.46	(11.7)	0.02	(0.5)
0.44	(11.2)	0.04	(1.0)
0.42	(10.7)	0.06	(1.5)
0.40	(10.2)	0.08	(2.0)
0.38	(9.7)	0.10	(2.5)
0.36	(9.1)	0.12	(3.0)
0.34	(8.6)	0.14	(3.5)
0.32	(8.1)	0.16	(4.0)
0.30	(7.6)	0.18	(4.5)
0.28	(7.1)	0.20	(5.0)
0.26	(6.6)	0.22	(5.5)
0.24	(6.1)	0.24	(6.0)
0.22	(5.6)	0.26	(6.5)
0.20	(5.1)	0.28	(7.0)
0.18	(4.6)	0.30	(7.5)
0.16	(4.1)	0.32	(8.0)
0.14	(3.6)	0.34	(8.5)
0.12	(3.0)	0.36	(9.0)
0.10	(2.5)	0.38	(9.5)
0.08	(2.0)	0.40	(10.0)
0.06	(1.5)	0.42	(10.5)
0.04	(1.0)	0.44	(11.0)
0.02	(0.5)	0.46	(11.5)

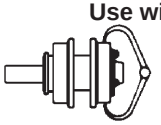
NOTE: Ultrasonic measurement is to determine flange wear only. Use ultrasonic only on fabricated idlers.

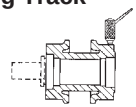
Undercarriage Code: 164, 1641, 1642, 166, 169, 1698, 170, 173, 174

D7H, D7R, 572R — 8.50" (215.9 mm)

Carrier Rollers

Use with Heavy Duty or Rotating Bushing Track



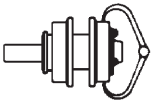


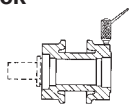
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
7.50	(190.5)	0	1.92	(48.8)
7.46	(189.5)	4	1.90	(48.3)
7.42	(188.5)	8	1.88	(47.8)
7.38	(187.5)	12	1.86	(47.2)
7.34	(186.5)	16	1.84	(46.7)
7.30	(185.5)	20	1.82	(46.2)
7.26	(184.5)	24	1.80	(45.7)
7.22	(183.5)	28	1.78	(45.2)
7.18	(182.5)	32	1.76	(44.7)
7.14	(181.5)	36	1.74	(44.2)
7.10	(180.5)	40	1.72	(43.7)
7.06	(179.5)	44	1.70	(43.2)
7.02	(178.5)	48	1.68	(42.7)
6.98	(177.5)	50	1.66	(42.2)
6.94	(176.5)	52	1.64	(41.7)
6.90	(175.5)	54	1.62	(41.1)
6.86	(174.0)	56	1.60	(40.6)
6.82	(173.0)	58	1.58	(40.1)
6.78	(172.0)	60	1.56	(39.6)
6.74	(171.0)	62	1.54	(39.1)
6.70	(170.0)	64	1.52	(38.6)
6.66	(169.0)	66	1.50	(38.1)
6.62	(168.0)	68	1.48	(37.6)
6.58	(167.0)	70	1.46	(37.1)
6.54	(166.0)	72	1.44	(36.6)
6.50	(165.0)	74	1.42	(36.1)
6.46	(164.0)	76	1.40	(35.6)
6.42	(163.0)	78	1.38	(35.1)
6.38	(162.0)	80	1.36	(34.5)
6.34	(161.0)	82	1.34	(34.0)
6.30	(160.0)	84	1.32	(33.5)
6.26	(159.0)	86	1.30	(33.0)
6.22	(158.0)	88	1.28	(32.5)
6.18	(157.0)	90	1.26	(32.0)
6.14	(156.0)	92	1.24	(31.5)
6.10	(155.0)	94	1.22	(31.0)
6.06	(154.0)	96	1.20	(30.5)
6.02	(153.0)	98	1.18	(30.0)
5.98	(152.0)	100	1.16	(29.5)
5.94	(151.0)	102	1.14	(29.0)
5.90	(150.0)	104	1.12	(28.4)
5.86	(149.0)	106	1.10	(27.9)
5.82	(148.0)	108	1.08	(27.4)
5.78	(147.0)	110	1.06	(26.9)
5.74	(146.0)	112	1.04	(26.4)
5.70	(145.0)	114	1.02	(25.9)
5.66	(144.0)	116	1.00	(25.4)
5.62	(142.5)	118	0.98	(24.9)
5.58	(141.5)	120	0.96	(24.4)

Undercarriage Code: 1642, 166, 169, 170, 1701, 173, 174, 1741

Carrier Rollers

Use with Sealed and Lubricated Track



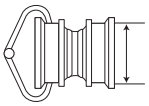


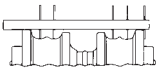
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
7.50	(190.5)	0	1.92	(48.8)
7.46	(189.5)	6	1.90	(48.3)
7.42	(188.5)	12	1.88	(47.8)
7.38	(187.5)	18	1.86	(47.2)
7.34	(186.5)	24	1.84	(46.7)
7.30	(185.5)	30	1.82	(46.2)
7.26	(184.5)	36	1.80	(45.7)
7.22	(183.5)	42	1.78	(45.2)
7.18	(182.5)	48	1.76	(44.7)
7.14	(181.5)	54	1.74	(44.2)
7.10	(180.5)	60	1.72	(43.7)
7.06	(179.5)	66	1.70	(43.2)
7.02	(178.5)	72	1.68	(42.7)
6.98	(177.5)	76	1.66	(42.2)
6.94	(176.5)	80	1.64	(41.7)
6.90	(175.5)	84	1.62	(41.1)
6.86	(174.0)	88	1.60	(40.6)
6.82	(173.0)	92	1.58	(40.1)
6.78	(172.0)	96	1.56	(39.6)
6.74	(171.0)	100	1.54	(39.1)
6.70	(170.0)	104	1.52	(38.6)
6.66	(169.0)	108	1.50	(38.1)
6.62	(168.0)	112	1.48	(37.6)
6.58	(167.0)	116	1.46	(37.1)
6.54	(166.0)	120	1.44	(36.6)

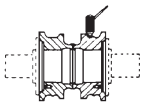
Undercarriage Code: 164, 1641, 1698

Track Rollers with End Collars

Use with Heavy Duty or Rotating Bushing Track
6I9239 & 40 Links







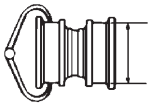
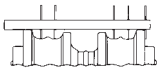
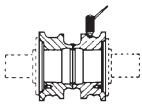
Caliper Inches	Caliper (mm)	% Worn	Depth Gauge Inches	Depth Gauge (mm)	Ultrasonic Inches	Ultrasonic (mm)
8.74	(222.0)	0	0.65	(16.5)	2.06	(52.3)
8.70	(221.0)	3	0.67	(17.0)	2.04	(51.8)
8.66	(220.0)	6	0.69	(17.5)	2.02	(51.3)
8.62	(219.0)	9	0.71	(18.0)	2.00	(50.8)
8.58	(218.0)	12	0.73	(18.5)	1.98	(50.3)
8.54	(217.0)	15	0.75	(19.0)	1.96	(49.8)
8.50	(216.0)	18	0.77	(19.5)	1.94	(49.3)
8.46	(215.0)	21	0.79	(20.0)	1.92	(48.8)
8.42	(214.0)	24	0.81	(20.5)	1.90	(48.3)
8.38	(213.0)	27	0.83	(21.0)	1.88	(47.8)
8.34	(212.0)	30	0.85	(21.5)	1.86	(47.2)
8.30	(211.0)	33	0.87	(22.0)	1.84	(46.7)
8.26	(210.0)	36	0.89	(22.5)	1.82	(46.2)
8.22	(209.0)	39	0.91	(23.0)	1.80	(45.7)
8.18	(208.0)	42	0.93	(23.5)	1.78	(45.2)
8.14	(207.0)	45	0.95	(24.0)	1.76	(44.7)
8.10	(205.5)	48	0.97	(24.5)	1.74	(44.2)
8.06	(204.5)	51	0.99	(25.0)	1.72	(43.7)
8.02	(203.5)	54	1.01	(25.5)	1.70	(43.2)
7.98	(202.5)	57	1.03	(26.0)	1.68	(42.7)
7.94	(201.5)	60	1.05	(26.5)	1.66	(42.2)
7.90	(200.5)	62	1.07	(27.0)	1.64	(41.7)
7.86	(199.5)	64	1.09	(27.5)	1.62	(41.1)
7.82	(198.5)	66	1.11	(28.0)	1.60	(40.6)
7.78	(197.5)	68	1.13	(28.5)	1.58	(40.1)
7.74	(196.5)	70	1.15	(29.0)	1.56	(39.6)
7.70	(195.5)	72	1.17	(29.5)	1.54	(39.1)
7.66	(194.5)	74	1.19	(30.0)	1.52	(38.6)
7.62	(193.5)	76	1.21	(30.5)	1.50	(38.1)
7.58	(192.5)	78	1.23	(31.0)	1.48	(37.6)
7.54	(191.5)	80	1.25	(32.0)	1.46	(37.1)
7.50	(190.5)	82	1.27	(32.5)	1.44	(36.6)
7.46	(189.5)	84	1.29	(33.0)	1.42	(36.1)
7.42	(188.5)	86	1.31	(33.5)	1.40	(35.6)
7.38	(187.5)	88	1.33	(34.0)	1.38	(35.1)
7.34	(186.5)	90	1.35	(34.5)	1.36	(34.5)
7.30	(185.5)	92	1.37	(35.0)	1.34	(34.0)
7.26	(184.5)	94	1.39	(35.5)	1.32	(33.5)
7.22	(183.5)	96	1.41	(36.0)	1.30	(33.0)
7.18	(182.5)	98	1.43	(36.5)	1.28	(32.5)
7.14	(181.5)	100	1.45	(37.0)	1.26	(32.0)
7.10	(180.5)	102	1.47	(37.5)	1.24	(31.5)
7.06	(179.5)	104	1.49	(38.0)	1.22	(31.0)
7.02	(178.5)	106	1.51	(38.5)	1.20	(30.5)
6.98	(177.5)	108	1.53	(39.0)	1.18	(30.0)
6.94	(176.5)	110	1.55	(39.5)	1.16	(29.5)
6.90	(175.5)	112	1.57	(40.0)	1.14	(29.0)
6.86	(174.0)	114	1.59	(40.5)	1.12	(28.4)
6.82	(173.0)	116	1.61	(41.0)	1.10	(27.9)
6.78	(172.0)	118	1.63	(41.5)	1.08	(27.4)
6.74	(171.0)	120	1.65	(42.0)	1.06	(26.9)
6.70	(170.0)	122	1.67	(42.5)	1.04	(26.4)
6.66	(169.0)	124	1.69	(43.0)	1.02	(25.9)
6.62	(168.0)	126	1.71	(43.5)	1.00	(25.4)
6.58	(167.0)	128	1.73	(44.0)	0.98	(24.9)
6.54	(166.0)	130	1.75	(44.5)	0.96	(24.4)
6.50	(165.0)	132	1.77	(45.0)	0.94	(23.9)
6.46	(164.0)	134	1.79	(45.5)	0.92	(23.4)
6.42	(163.0)	136	1.81	(46.0)	0.90	(22.9)

Flange diameter is 10.04" (225 mm)

Undercarriage Code: 166, 169, 170, 1701, 173, 174, 1741

Track Rollers with End Collars

Use with Sealed & Lubricated Track
9G2417 & 18 Links

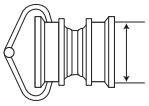
Caliper Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)	Inches	(mm)
8.74	(222.0)	0	0.65	(16.5)	2.06	(52.3)
8.70	(221.0)	3	0.67	(17.0)	2.04	(51.8)
8.66	(220.0)	6	0.69	(17.5)	2.02	(51.3)
8.62	(219.0)	9	0.71	(18.0)	2.00	(50.8)
8.58	(218.0)	12	0.73	(18.5)	1.98	(50.3)
8.54	(217.0)	15	0.75	(19.0)	1.96	(49.8)
8.50	(216.0)	18	0.77	(19.5)	1.94	(49.3)
8.46	(215.0)	21	0.79	(20.0)	1.92	(48.8)
8.42	(214.0)	24	0.81	(20.5)	1.90	(48.3)
8.38	(213.0)	27	0.83	(21.0)	1.88	(47.8)
8.34	(212.0)	30	0.85	(21.5)	1.86	(47.2)
8.30	(211.0)	33	0.87	(22.0)	1.84	(46.7)
8.26	(210.0)	36	0.89	(22.5)	1.82	(46.2)
8.22	(209.0)	39	0.91	(23.0)	1.80	(45.7)
8.18	(208.0)	42	0.93	(23.5)	1.78	(45.2)
8.14	(207.0)	45	0.95	(24.0)	1.76	(44.7)
8.10	(205.5)	48	0.97	(24.5)	1.74	(44.2)
8.06	(204.5)	51	0.99	(25.0)	1.72	(43.7)
8.02	(203.5)	54	1.01	(25.5)	1.70	(43.2)
7.98	(202.5)	57	1.03	(26.0)	1.68	(42.7)
7.94	(201.5)	60	1.05	(26.5)	1.66	(42.2)
7.90	(200.5)	63	1.07	(27.0)	1.64	(41.7)
7.86	(199.5)	66	1.09	(27.5)	1.62	(41.1)
7.82	(198.5)	69	1.11	(28.0)	1.60	(40.6)
7.78	(197.5)	72	1.13	(28.5)	1.58	(40.1)
7.74	(196.5)	75	1.15	(29.0)	1.56	(39.6)
7.70	(195.5)	78	1.17	(29.5)	1.54	(39.1)
7.66	(194.5)	81	1.19	(30.0)	1.52	(38.6)
7.62	(193.5)	84	1.21	(30.5)	1.50	(38.1)
7.58	(192.5)	87	1.23	(31.0)	1.48	(37.6)
7.54	(191.5)	90	1.25	(32.0)	1.46	(37.1)
7.50	(190.5)	93	1.27	(32.5)	1.44	(36.6)
7.46	(189.5)	96	1.29	(33.0)	1.42	(36.1)
7.42	(188.5)	98	1.31	(33.5)	1.40	(35.6)
7.38	(187.5)	100	1.33	(34.0)	1.38	(35.1)
7.34	(186.5)	102	1.35	(34.5)	1.36	(34.5)
7.30	(185.5)	104	1.37	(35.0)	1.34	(34.0)
7.26	(184.5)	106	1.39	(35.5)	1.32	(33.5)
7.22	(183.5)	108	1.41	(36.0)	1.30	(33.0)
7.18	(182.5)	110	1.43	(36.5)	1.28	(32.5)
7.14	(181.5)	112	1.45	(37.0)	1.26	(32.0)
7.10	(180.5)	114	1.47	(37.5)	1.24	(31.5)
7.06	(179.5)	116	1.49	(38.0)	1.22	(31.0)
7.02	(178.5)	118	1.51	(38.5)	1.20	(30.5)
6.98	(177.5)	120	1.53	(39.0)	1.18	(30.0)
6.94	(176.5)	122	1.55	(39.5)	1.16	(29.5)
6.90	(175.5)	124	1.57	(40.0)	1.14	(29.0)
6.86	(174.0)	126	1.59	(40.5)	1.12	(28.4)
6.82	(173.0)	128	1.61	(41.0)	1.10	(27.9)
6.78	(172.0)	130	1.63	(41.5)	1.08	(27.4)
6.74	(171.0)	132	1.65	(42.0)	1.06	(26.9)
6.70	(170.0)	134	1.67	(42.5)	1.04	(26.4)
6.66	(169.0)	136	1.69	(43.0)	1.02	(25.9)
6.62	(168.0)	138	1.71	(43.5)	1.00	(25.4)
6.58	(167.0)	140	1.73	(44.0)	0.98	(24.9)
6.54	(166.0)	142	1.75	(44.5)	0.96	(24.4)
6.50	(165.0)	144	1.77	(45.0)	0.94	(23.9)
6.46	(164.0)	146	1.79	(45.5)	0.92	(23.4)
6.42	(163.0)	148	1.81	(46.0)	0.90	(22.9)

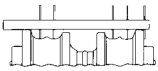
Flange diameter is 10.04" (225 mm)

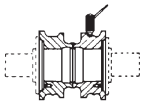
Undercarriage Code: 1641, 1698

Tall Flange Track Rollers with End Collars

Tall Flange Double Flange Rollers
Use with Heavy Duty and Rotating Bushing Track
6I9239 & 40 Links







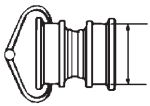
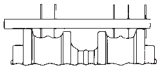
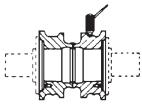
Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
8.74	(222.0)	0	0.84	(21.5)	2.06	(52.3)
8.70	(221.0)	4	0.86	(22.0)	2.04	(51.8)
8.66	(220.0)	8	0.88	(22.5)	2.02	(51.3)
8.62	(219.0)	12	0.90	(23.0)	2.00	(50.8)
8.58	(218.0)	16	0.92	(23.5)	1.98	(50.3)
8.54	(217.0)	20	0.94	(24.0)	1.96	(49.8)
8.50	(216.0)	24	0.96	(24.5)	1.94	(49.3)
8.46	(215.0)	28	0.98	(25.0)	1.92	(48.8)
8.42	(214.0)	32	1.00	(25.5)	1.90	(48.3)
8.38	(213.0)	36	1.02	(26.0)	1.88	(47.8)
8.34	(212.0)	40	1.04	(26.5)	1.86	(47.2)
8.30	(211.0)	43	1.06	(27.0)	1.84	(46.7)
8.26	(210.0)	46	1.08	(27.5)	1.82	(46.2)
8.22	(209.0)	49	1.10	(28.0)	1.80	(45.7)
8.18	(208.0)	52	1.12	(28.5)	1.78	(45.2)
8.14	(207.0)	55	1.14	(29.0)	1.76	(44.7)
8.10	(205.5)	58	1.16	(29.5)	1.74	(44.2)
8.06	(204.5)	61	1.18	(30.0)	1.72	(43.7)
8.02	(203.5)	64	1.20	(30.5)	1.70	(43.2)
7.98	(202.5)	67	1.22	(31.0)	1.68	(42.7)
7.94	(201.5)	70	1.24	(31.5)	1.66	(42.2)
7.90	(200.5)	73	1.26	(32.0)	1.64	(41.7)
7.86	(199.5)	76	1.28	(32.5)	1.62	(41.1)
7.82	(198.5)	79	1.30	(33.0)	1.60	(40.6)
7.78	(197.5)	82	1.32	(33.5)	1.58	(40.1)
7.74	(196.5)	85	1.34	(34.0)	1.56	(39.6)
7.70	(195.5)	88	1.36	(34.5)	1.54	(39.1)
7.66	(194.5)	91	1.38	(35.0)	1.52	(38.6)
7.62	(193.5)	94	1.40	(35.5)	1.50	(38.1)
7.58	(192.5)	97	1.42	(36.0)	1.48	(37.6)
7.54	(191.5)	100	1.44	(36.5)	1.46	(37.1)
7.50	(190.5)	103	1.46	(37.0)	1.44	(36.6)
7.46	(189.5)	106	1.48	(37.5)	1.42	(36.1)
7.42	(188.5)	109	1.50	(38.0)	1.40	(35.6)
7.38	(187.5)	112	1.52	(38.5)	1.38	(35.1)
7.34	(186.5)	115	1.54	(39.0)	1.36	(34.5)
7.30	(185.5)	118	1.56	(39.5)	1.34	(34.0)
7.26	(184.5)	121	1.58	(40.0)	1.32	(33.5)
7.22	(183.5)	124	1.60	(40.5)	1.30	(33.0)
7.18	(182.5)	127	1.62	(41.0)	1.28	(32.5)
7.14	(181.5)	130	1.64	(41.5)	1.26	(32.0)
7.10	(180.5)	133	1.66	(42.0)	1.24	(31.5)
7.06	(179.5)	136	1.68	(42.5)	1.22	(31.0)
7.02	(178.5)	139	1.70	(43.0)	1.20	(30.5)
6.98	(177.5)	142	1.72	(43.5)	1.18	(30.0)
6.94	(176.5)	145	1.74	(44.0)	1.16	(29.5)
6.90	(175.5)	148	1.76	(44.5)	1.14	(29.0)
6.86	(174.0)	151	1.78	(45.0)	1.12	(28.4)
6.82	(173.0)	154	1.80	(45.5)	1.10	(27.9)
6.78	(172.0)	157	1.82	(46.0)	1.08	(27.4)
6.74	(171.0)	160	1.84	(46.5)	1.06	(26.9)
6.70	(170.0)	163	1.86	(47.0)	1.04	(26.4)
6.66	(169.0)	166	1.88	(48.0)	1.02	(25.9)
6.62	(168.0)	169	1.90	(48.5)	1.00	(25.4)
6.58	(167.0)	172	1.92	(49.0)	0.98	(24.9)
6.54	(166.0)	175	1.94	(49.5)	0.96	(24.4)
6.50	(165.0)	178	1.96	(50.0)	0.94	(23.9)
6.46	(164.0)	181	1.98	(50.5)	0.92	(23.4)
6.42	(163.0)	184	2.00	(51.0)	0.90	(22.9)

Flange diameter is 10.43" (265 mm)

Undercarriage Code: 169, 173

Track Rollers with Retainers

Use with Heavy Duty or Rotating Bushing Track
6I9239 & 40 Links

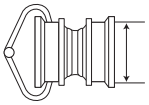
Caliper Inches	Caliper (mm)	% Worn	Depth Gauge Inches	Depth Gauge (mm)	Ultrasonic Inches	Ultrasonic (mm)
8.74	(222.0)	0	0.65	(16.5)	1.99	(50.5)
8.70	(221.0)	3	0.67	(17.0)	1.97	(50.0)
8.66	(220.0)	6	0.69	(17.5)	1.95	(49.5)
8.62	(219.0)	9	0.71	(18.0)	1.93	(49.0)
8.58	(218.0)	12	0.73	(18.5)	1.91	(48.5)
8.54	(217.0)	15	0.75	(19.0)	1.89	(48.0)
8.50	(216.0)	18	0.77	(19.5)	1.87	(47.5)
8.46	(215.0)	21	0.79	(20.0)	1.85	(47.0)
8.42	(214.0)	24	0.81	(20.5)	1.83	(46.5)
8.38	(213.0)	27	0.83	(21.0)	1.81	(46.0)
8.34	(212.0)	30	0.85	(21.5)	1.79	(45.5)
8.30	(211.0)	33	0.87	(22.0)	1.77	(45.0)
8.26	(210.0)	36	0.89	(22.5)	1.75	(44.5)
8.22	(209.0)	39	0.91	(23.0)	1.73	(43.9)
8.18	(208.0)	42	0.93	(23.5)	1.71	(43.4)
8.14	(207.0)	45	0.95	(24.0)	1.69	(42.9)
8.10	(205.5)	48	0.97	(24.5)	1.67	(42.4)
8.06	(204.5)	51	0.99	(25.0)	1.65	(41.9)
8.02	(203.5)	54	1.01	(25.5)	1.63	(41.4)
7.98	(202.5)	57	1.03	(26.0)	1.61	(40.9)
7.94	(201.5)	60	1.05	(26.5)	1.59	(40.4)
7.90	(200.5)	62	1.07	(27.0)	1.57	(39.9)
7.86	(199.5)	64	1.09	(27.5)	1.55	(39.4)
7.82	(198.5)	66	1.11	(28.0)	1.53	(38.9)
7.78	(197.5)	68	1.13	(28.5)	1.51	(38.4)
7.74	(196.5)	70	1.15	(29.0)	1.49	(37.8)
7.70	(195.5)	72	1.17	(29.5)	1.47	(37.3)
7.66	(194.5)	74	1.19	(30.0)	1.45	(36.8)
7.62	(193.5)	76	1.21	(30.5)	1.43	(36.3)
7.58	(192.5)	78	1.23	(31.0)	1.41	(35.8)
7.54	(191.5)	80	1.25	(32.0)	1.39	(35.3)
7.50	(190.5)	82	1.27	(32.5)	1.37	(34.8)
7.46	(189.5)	84	1.29	(33.0)	1.35	(34.3)
7.42	(188.5)	86	1.31	(33.5)	1.33	(33.8)
7.38	(187.5)	88	1.33	(34.0)	1.31	(33.3)
7.34	(186.5)	90	1.35	(34.5)	1.29	(32.8)
7.30	(185.5)	92	1.37	(35.0)	1.27	(32.3)
7.26	(184.5)	94	1.39	(35.5)	1.25	(31.8)
7.22	(183.5)	96	1.41	(36.0)	1.23	(31.2)
7.18	(182.5)	98	1.43	(36.5)	1.21	(30.7)
7.14	(181.5)	100	1.45	(37.0)	1.19	(30.2)
7.10	(180.5)	102	1.47	(37.5)	1.17	(29.7)
7.06	(179.5)	104	1.49	(38.0)	1.15	(29.2)
7.02	(178.5)	106	1.51	(38.5)	1.13	(28.7)
6.98	(177.5)	108	1.53	(39.0)	1.11	(28.2)
6.94	(176.5)	110	1.55	(39.5)	1.09	(27.7)
6.90	(175.5)	112	1.57	(40.0)	1.07	(27.2)
6.86	(174.0)	114	1.59	(40.5)	1.05	(26.7)
6.82	(173.0)	116	1.61	(41.0)	1.03	(26.2)
6.78	(172.0)	118	1.63	(41.5)	1.01	(25.7)
6.74	(171.0)	120	1.65	(42.0)	0.99	(25.1)
6.70	(170.0)	122	1.67	(42.5)	0.97	(24.6)
6.66	(169.0)	124	1.69	(43.0)	0.95	(24.1)
6.62	(168.0)	126	1.71	(43.5)	0.93	(23.6)
6.58	(167.0)	128	1.73	(44.0)	0.91	(23.1)
6.54	(166.0)	130	1.75	(44.5)	0.89	(22.6)
6.50	(165.0)	132	1.77	(45.0)	0.87	(22.1)
6.46	(164.0)	134	1.79	(45.5)	0.85	(21.6)
6.42	(163.0)	136	1.81	(46.0)	0.83	(21.1)

Flange diameter is 10.04" (225 mm)

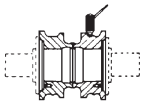
Undercarriage Code: 1642

Track Rollers with Retainers

Use with Sealed & Lubricated Track
9G2417 & 18 Links







Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
8.74	(222.0)	0	0.65	(16.5)	1.99	(50.5)
8.70	(221.0)	4	0.67	(17.0)	1.97	(50.0)
8.66	(220.0)	8	0.69	(17.5)	1.95	(49.5)
8.62	(219.0)	12	0.71	(18.0)	1.93	(49.0)
8.58	(218.0)	16	0.73	(18.5)	1.91	(48.5)
8.54	(217.0)	20	0.75	(19.0)	1.89	(48.0)
8.50	(216.0)	24	0.77	(19.5)	1.87	(47.5)
8.46	(215.0)	28	0.79	(20.0)	1.85	(47.0)
8.42	(214.0)	32	0.81	(20.5)	1.83	(46.5)
8.38	(213.0)	36	0.83	(21.0)	1.81	(46.0)
8.34	(212.0)	40	0.85	(21.5)	1.79	(45.5)
8.30	(211.0)	44	0.87	(22.0)	1.77	(45.0)
8.26	(210.0)	48	0.89	(22.5)	1.75	(44.5)
8.22	(209.0)	52	0.91	(23.0)	1.73	(43.9)
8.18	(208.0)	56	0.93	(23.5)	1.71	(43.4)
8.14	(207.0)	60	0.95	(24.0)	1.69	(42.9)
8.10	(205.5)	64	0.97	(24.5)	1.67	(42.4)
8.06	(204.5)	66	0.99	(25.0)	1.65	(41.9)
8.02	(203.5)	68	1.01	(25.5)	1.63	(41.4)
7.98	(202.5)	70	1.03	(26.0)	1.61	(40.9)
7.94	(201.5)	72	1.05	(26.5)	1.59	(40.4)
7.90	(200.5)	74	1.07	(27.0)	1.57	(39.9)
7.86	(199.5)	76	1.09	(27.5)	1.55	(39.4)
7.82	(198.5)	78	1.11	(28.0)	1.53	(38.9)
7.78	(197.5)	80	1.13	(28.5)	1.51	(38.4)
7.74	(196.5)	82	1.15	(29.0)	1.49	(37.8)
7.70	(195.5)	84	1.17	(29.5)	1.47	(37.3)
7.66	(194.5)	86	1.19	(30.0)	1.45	(36.8)
7.62	(193.5)	88	1.21	(30.5)	1.43	(36.3)
7.58	(192.5)	90	1.23	(31.0)	1.41	(35.8)
7.54	(191.5)	92	1.25	(32.0)	1.39	(35.3)
7.50	(190.5)	94	1.27	(32.5)	1.37	(34.8)
7.46	(189.5)	96	1.29	(33.0)	1.35	(34.3)
7.42	(188.5)	98	1.31	(33.5)	1.33	(33.8)
7.38	(187.5)	100	1.33	(34.0)	1.31	(33.3)
7.34	(186.5)	102	1.35	(34.5)	1.29	(32.8)
7.30	(185.5)	104	1.37	(35.0)	1.27	(32.3)
7.26	(184.5)	106	1.39	(35.5)	1.25	(31.8)
7.22	(183.5)	108	1.41	(36.0)	1.23	(31.2)
7.18	(182.5)	110	1.43	(36.5)	1.21	(30.7)
7.14	(181.5)	112	1.45	(37.0)	1.19	(30.2)
7.10	(180.5)	114	1.47	(37.5)	1.17	(29.7)
7.06	(179.5)	116	1.49	(38.0)	1.15	(29.2)
7.02	(178.5)	118	1.51	(38.5)	1.13	(28.7)
6.98	(177.5)	120	1.53	(39.0)	1.11	(28.2)
6.94	(176.5)	122	1.55	(39.5)	1.09	(27.7)
6.90	(175.5)	124	1.57	(40.0)	1.07	(27.2)
6.86	(174.0)	126	1.59	(40.5)	1.05	(26.7)
6.82	(173.0)	128	1.61	(41.0)	1.03	(26.2)
6.78	(172.0)	130	1.63	(41.5)	1.01	(25.7)
6.74	(171.0)	132	1.65	(42.0)	0.99	(25.1)
6.70	(170.0)	134	1.67	(42.5)	0.97	(24.6)
6.66	(169.0)	136	1.69	(43.0)	0.95	(24.1)
6.62	(168.0)	138	1.71	(43.5)	0.93	(23.6)
6.58	(167.0)	140	1.73	(44.0)	0.91	(23.1)
6.54	(166.0)	142	1.75	(44.5)	0.89	(22.6)
6.50	(165.0)	144	1.77	(45.0)	0.87	(22.1)
6.46	(164.0)	146	1.79	(45.5)	0.85	(21.6)
6.42	(163.0)	148	1.81	(46.0)	0.83	(21.1)

Flange diameter is 10.04" (255 mm)

Undercarriage Code: 164

Sprockets



Tape Measure Inches	(mm)	% Worn
9.35	(237.5)	0
9.30	(236.0)	7
9.25	(235.0)	14
9.20	(233.5)	21
9.15	(232.5)	28
9.10	(231.0)	35
9.05	(230.0)	42
9.00	(228.5)	49
8.95	(227.5)	55
8.90	(226.0)	60
8.85	(225.0)	65
8.80	(223.5)	70
8.75	(222.0)	75
8.70	(221.0)	80
8.65	(219.5)	85
8.60	(218.5)	90
8.55	(217.0)	95
8.50	(216.0)	100
8.45	(214.5)	105
8.40	(213.5)	110
8.35	(212.0)	115
8.30	(211.0)	120

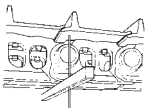
NOTE: Measure across 3 teeth

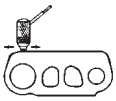
Undercarriage Code: 164, 1641, 1642, 166, 169, 1698, 170, 1701, 173, 174, 1741

D8L, D8N, D8R, 578, 583R — 8.50" (215.9 mm)

Track Links

8E4505 & 06
8E4513 & 14

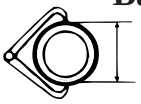


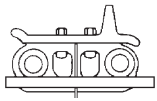


Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
5.90	(150.0)	0	0	1.88	(47.8)
5.88	(149.5)	5	4	1.86	(47.2)
5.86	(149.0)	10	8	1.84	(46.7)
5.84	(148.5)	15	12	1.82	(46.2)
5.82	(148.0)	20	16	1.80	(45.7)
5.80	(147.5)	25	20	1.78	(45.2)
5.78	(147.0)	30	24	1.76	(44.7)
5.76	(146.5)	35	28	1.74	(44.2)
5.74	(146.0)	40	32	1.72	(43.7)
5.72	(145.5)	45	36	1.70	(43.2)
5.70	(145.0)	50	40	1.68	(42.7)
5.68	(144.5)	55	44	1.66	(42.2)
5.66	(144.0)	60	48	1.64	(41.7)
5.64	(143.5)	64	52	1.62	(41.1)
5.62	(142.5)	68	55	1.60	(40.6)
5.60	(142.0)	71	58	1.58	(40.1)
5.58	(141.5)	74	60	1.56	(39.6)
5.56	(141.0)	77	63	1.54	(39.1)
5.54	(140.5)	81	65	1.52	(38.6)
5.52	(140.0)	84	68	1.50	(38.1)
5.50	(139.5)	87	70	1.48	(37.6)
5.48	(139.0)	90	73	1.46	(37.1)
5.46	(138.5)	94	75	1.44	(36.6)
5.44	(138.0)	97	78	1.42	(36.1)
5.42	(137.5)	100	80	1.40	(35.6)
5.40	(137.0)	103	83	1.38	(35.1)
5.38	(136.5)	107	85	1.36	(34.5)
5.36	(136.0)	110	88	1.34	(34.0)
5.34	(135.5)	113	90	1.32	(33.5)
5.32	(135.0)	116	93	1.30	(33.0)
5.30	(134.5)	120	95	1.28	(32.5)
5.28	(134.0)		98	1.26	(32.0)
5.26	(133.5)		100	1.24	(31.5)
5.24	(133.0)		103	1.22	(31.0)
5.22	(132.5)		105	1.20	(30.5)
5.20	(132.0)		108	1.18	(30.0)
5.18	(131.5)		110	1.16	(29.5)
5.16	(131.0)		113	1.14	(29.0)
5.14	(130.5)		115	1.12	(28.4)
5.12	(130.0)		118	1.10	(27.9)
5.10	(129.5)		120	1.08	(27.4)

Undercarriage Code: 178, 1785, 179, 180, 182, 183, 184

Bushings for Sealed & Lubricated Track





Caliper		Allowable Wear		Ultrasonic		Depth Gauge	
		Lesser	Greater				
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
3.11	(79.0)	0	0	0.60	(15.2)	4.11	(104.4)
3.10	(78.7)	5	4	0.59	(15.0)	4.10	(104.1)
3.09	(78.5)	10	8	0.58	(14.7)	4.09	(103.9)
3.08	(78.2)	15	12	0.57	(14.5)	4.08	(103.6)
3.07	(78.0)	20	16	0.56	(14.2)	4.07	(103.4)
3.06	(77.7)	25	20	0.55	(14.0)	4.06	(103.1)
3.05	(77.5)	30	24	0.54	(13.7)	4.05	(102.9)
3.04	(77.2)	35	28	0.53	(13.5)	4.04	(102.6)
3.03	(77.0)	40	32	0.52	(13.2)	4.03	(102.4)
3.02	(76.7)	45	36	0.51	(13.0)	4.02	(102.1)
3.01	(76.5)	50	40	0.50	(12.7)	4.01	(101.9)
3.00	(76.2)	55	42	0.49	(12.4)	4.00	(101.6)
2.99	(75.9)	60	44	0.48	(12.2)	3.99	(101.3)
2.98	(75.7)	65	46	0.47	(11.9)	3.98	(101.1)
2.97	(75.4)	68	48	0.46	(11.7)	3.97	(100.8)
2.96	(75.2)	70	50	0.45	(11.4)	3.96	(100.6)
2.95	(74.9)	72	52	0.44	(11.2)	3.95	(100.3)
2.94	(74.7)	74	54	0.43	(10.9)	3.94	(100.1)
2.93	(74.4)	76	56	0.42	(10.7)	3.93	(99.8)
2.92	(74.2)	78	58	0.41	(10.4)	3.92	(99.6)
2.91	(73.9)	80	60	0.40	(10.2)	3.91	(99.3)
2.90	(73.7)	82	62	0.39	(9.9)	3.90	(99.1)
2.89	(73.4)	84	64	0.38	(9.7)	3.89	(98.8)
2.88	(73.2)	86	66	0.37	(9.4)	3.88	(98.6)
2.87	(72.9)	88	68	0.36	(9.1)	3.87	(98.3)
2.86	(72.6)	90	70	0.35	(8.9)	3.86	(98.0)
2.85	(72.4)	92	72	0.34	(8.6)	3.85	(97.8)
2.84	(72.1)	94	74	0.33	(8.4)	3.84	(97.5)
2.83	(71.9)	96	76	0.32	(8.1)	3.83	(97.3)
2.82	(71.6)	98	78	0.31	(7.9)	3.82	(97.0)
2.81	(71.4)	100	80	0.30	(7.6)	3.81	(96.8)
2.80	(71.1)	102	82	0.29	(7.4)	3.80	(96.5)
2.79	(70.9)	104	84	0.28	(7.1)	3.79	(96.3)
2.78	(70.6)	106	86	0.27	(6.9)	3.78	(96.0)
2.77	(70.4)	108	88	0.26	(6.6)	3.77	(95.8)
2.76	(70.1)	110	90	0.25	(6.3)	3.76	(95.5)
2.75	(69.9)	112	92	0.24	(6.1)	3.75	(95.3)
2.74	(69.6)	114	94	0.23	(5.8)	3.74	(95.0)
2.73	(69.3)	116	96	0.22	(5.6)	3.73	(94.7)
2.72	(69.1)	118	98	0.21	(5.3)	3.72	(94.5)
2.71	(68.8)	120	100	0.20	(5.1)	3.71	(94.2)
2.70	(68.6)		102	0.19	(4.8)	3.70	(94.0)
2.69	(68.3)		104	0.18	(4.6)	3.69	(93.7)
2.68	(68.1)		106	0.17	(4.3)	3.68	(93.5)
2.67	(67.8)		108	0.16	(4.1)	3.67	(93.2)
2.66	(67.6)		110	0.15	(3.8)	3.66	(93.0)
2.65	(67.3)		112	0.14	(3.6)	3.65	(92.7)
2.64	(67.1)		114	0.13	(3.3)	3.64	(92.5)
2.63	(66.8)		116	0.12	(3.0)	3.63	(92.2)
2.62	(66.5)		118	0.11	(2.8)	3.62	(91.9)
2.61	(66.3)		120	0.10	(2.5)	3.61	(91.7)

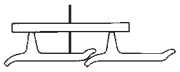
NOTE: DO NOT USE DEPTH GAUGE UNTIL BUSHINGS HAVE BEEN "TURNED."

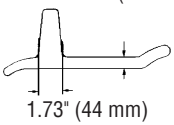
Undercarriage Code: 178, 1785, 179, 180, 182, 183, 184

D8L, D8N, D8R, 578, 583R — 8.50" (215.9 mm)

Track Shoes

Super Extreme Service





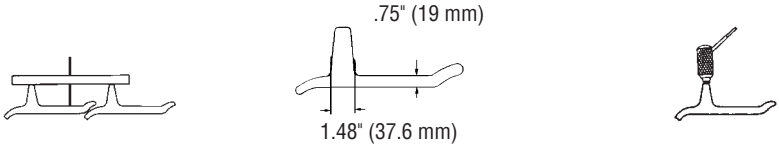


Depth Gauge Inches	(mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	(mm)
3.70	(94.0)	0	0	4.50	(114.3)
3.60	(91.5)	5	4	4.40	(111.8)
3.50	(89.0)	10	8	4.30	(109.2)
3.40	(86.5)	15	12	4.20	(106.7)
3.30	(84.0)	20	16	4.10	(104.1)
3.20	(81.5)	25	20	4.00	(101.6)
3.10	(78.5)	30	24	3.90	(99.1)
3.00	(76.0)	35	28	3.80	(96.5)
2.90	(73.5)	40	32	3.70	(94.0)
2.80	(71.0)	45	36	3.60	(91.4)
2.70	(68.5)	50	40	3.50	(88.9)
2.60	(66.0)	55	44	3.40	(86.4)
2.50	(63.5)	60	48	3.30	(83.8)
2.40	(61.0)	64	52	3.20	(81.3)
2.30	(58.5)	68	56	3.10	(78.7)
2.20	(56.0)	72	60	3.00	(76.2)
2.10	(53.5)	76	64	2.90	(73.7)
2.00	(51.0)	80	68	2.80	(71.1)
1.90	(48.5)	84	72	2.70	(68.6)
1.80	(45.5)	88	76	2.60	(66.0)
1.70	(43.0)	92	79	2.50	(63.5)
1.60	(40.5)	96	82	2.40	(61.0)
1.50	(38.0)	100	85	2.30	(58.4)
1.40	(35.5)	104	88	2.20	(55.9)
1.30	(33.0)	108	91	2.10	(53.3)
1.20	(30.5)	112	94	2.00	(50.8)
1.10	(28.0)	116	97	1.90	(48.3)
1.00	(25.5)	120	100	1.80	(45.7)
0.90	(23.0)		103	1.70	(43.2)
0.80	(20.5)		106	1.60	(40.6)
0.70	(18.0)		109	1.50	(38.1)
0.60	(15.0)		112	1.40	(35.6)
0.50	(12.5)		115	1.30	(33.0)
0.40	(10.0)		118	1.20	(30.5)
0.30	(7.5)		121	1.10	(27.9)

Undercarriage Code: 178, 180, 182, 183, 184

Track Shoes

Extreme Service
Current



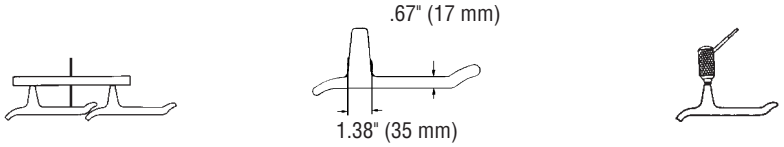
Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
3.30	(84.0)	0	0	4.05	(102.9)
3.20	(81.5)	6	5	3.95	(100.3)
3.10	(78.5)	12	10	3.85	(97.8)
3.00	(76.0)	18	15	3.75	(95.3)
2.90	(73.5)	24	20	3.65	(92.7)
2.80	(71.0)	30	25	3.55	(90.2)
2.70	(68.5)	36	30	3.45	(87.6)
2.60	(66.0)	42	35	3.35	(85.1)
2.50	(63.5)	48	40	3.25	(82.6)
2.40	(61.0)	54	44	3.15	(80.0)
2.30	(58.5)	60	48	3.05	(77.5)
2.20	(56.0)	65	52	2.95	(74.9)
2.10	(53.5)	70	56	2.85	(72.4)
2.00	(51.0)	75	60	2.75	(69.9)
1.90	(48.5)	80	64	2.65	(67.3)
1.80	(45.5)	85	68	2.55	(64.8)
1.70	(43.0)	90	72	2.45	(62.2)
1.60	(40.5)	95	76	2.35	(59.7)
1.50	(38.0)	100	80	2.25	(57.1)
1.40	(35.5)	105	84	2.15	(54.6)
1.30	(33.0)	110	88	2.05	(52.1)
1.20	(30.5)	115	92	1.95	(49.5)
1.10	(28.0)	120	96	1.85	(47.0)
1.00	(25.5)		100	1.75	(44.4)
0.90	(23.0)		104	1.65	(41.9)
0.80	(20.5)		108	1.55	(39.4)
0.70	(18.0)		112	1.45	(36.8)
0.60	(15.0)		116	1.35	(34.3)
0.50	(12.5)		120	1.25	(31.7)

Undercarriage Code: 178, 182, 183, 184

D8L, D8N, D8R, 578, 583R — 8.50" (215.9 mm)

Track Shoes

Extreme Service
Former

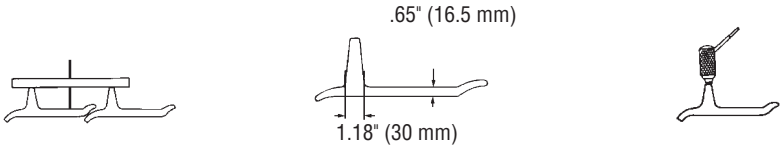


Depth Gauge Inches	(mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	(mm)
2.80	(71.0)	0	0	3.45	(87.6)
2.75	(70.0)	4	3	3.40	(86.4)
2.70	(68.5)	8	6	3.35	(85.1)
2.65	(67.5)	12	9	3.30	(83.8)
2.60	(66.0)	16	12	3.25	(82.6)
2.55	(65.0)	20	15	3.20	(81.3)
2.50	(63.5)	24	18	3.15	(80.0)
2.45	(62.0)	28	21	3.10	(78.7)
2.40	(61.0)	32	24	3.05	(77.5)
2.35	(59.5)	36	27	3.00	(76.2)
2.30	(58.5)	40	30	2.95	(74.9)
2.25	(57.0)	44	33	2.90	(73.7)
2.20	(56.0)	48	36	2.85	(72.4)
2.15	(54.5)	52	39	2.80	(71.1)
2.10	(53.5)	56	42	2.75	(69.9)
2.05	(52.0)	60	45	2.70	(68.6)
2.00	(51.0)	64	48	2.65	(67.3)
1.95	(49.5)	68	51	2.60	(66.0)
1.90	(48.5)	72	54	2.55	(64.8)
1.85	(47.0)	76	57	2.50	(63.5)
1.80	(45.5)	80	60	2.45	(62.2)
1.75	(44.5)	84	63	2.40	(61.0)
1.70	(43.0)	88	66	2.35	(59.7)
1.65	(42.0)	91	69	2.30	(58.4)
1.60	(40.5)	94	72	2.25	(57.2)
1.55	(39.5)	97	75	2.20	(55.9)
1.50	(38.0)	100	78	2.15	(54.6)
1.45	(37.0)	103	81	2.10	(53.3)
1.40	(35.5)	106	84	2.05	(52.1)
1.35	(34.5)	109	86	2.00	(50.8)
1.30	(33.0)	112	88	1.95	(49.5)
1.25	(32.0)	115	90	1.90	(48.3)
1.20	(30.5)	118	92	1.85	(47.0)
1.15	(29.0)	121	94	1.80	(45.7)
1.10	(28.0)		96	1.75	(44.5)
1.05	(26.5)		98	1.70	(43.2)
1.00	(25.5)		100	1.65	(41.9)
0.95	(24.0)		102	1.60	(40.6)
0.90	(23.0)		104	1.55	(39.4)
0.85	(21.5)		106	1.50	(38.1)
0.80	(20.5)		108	1.45	(36.8)
0.75	(19.0)		110	1.40	(35.6)
0.70	(18.0)		112	1.35	(34.3)
0.65	(16.5)		114	1.30	(33.0)
0.60	(15.0)		116	1.25	(31.8)
0.55	(14.0)		118	1.20	(30.5)
0.50	(12.5)		120	1.15	(29.2)

Undercarriage Code: 180

Track Shoes

Moderate Service
Current

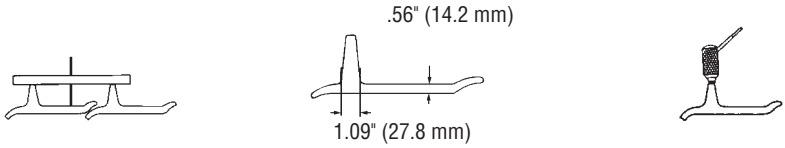


Depth Gauge Inches	(mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	(mm)
3.10	(78.5)	0	0	3.75	(95.3)
3.00	(76.0)	7	5	3.65	(92.7)
2.90	(73.5)	14	10	3.55	(90.2)
2.80	(71.0)	21	15	3.45	(87.6)
2.70	(68.5)	28	20	3.35	(85.1)
2.60	(66.0)	34	25	3.25	(82.6)
2.50	(63.5)	40	30	3.15	(80.0)
2.40	(61.0)	46	35	3.05	(77.5)
2.30	(58.5)	52	40	2.95	(74.9)
2.20	(56.0)	58	45	2.85	(72.4)
2.10	(53.5)	64	50	2.75	(69.9)
2.00	(51.0)	70	55	2.65	(67.3)
1.90	(48.5)	76	60	2.55	(64.8)
1.80	(45.5)	82	65	2.45	(62.2)
1.70	(43.0)	88	70	2.35	(59.7)
1.60	(40.5)	94	75	2.25	(57.2)
1.50	(38.0)	100	80	2.15	(54.6)
1.40	(35.5)	106	84	2.05	(52.1)
1.30	(33.0)	112	88	1.95	(49.5)
1.20	(30.5)	118	92	1.85	(47.0)
1.10	(28.0)	124	96	1.75	(44.5)
1.00	(25.5)		100	1.65	(41.9)
0.90	(23.0)		104	1.55	(39.4)
0.80	(20.5)		108	1.45	(36.8)
0.70	(18.0)		112	1.35	(34.3)
0.60	(15.0)		116	1.25	(31.7)
0.50	(12.5)		120	1.15	(29.2)

Undercarriage Code: 178, 1785, 179, 182, 183, 184

Track Shoes

Moderate Service
Former

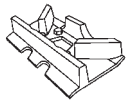


Depth Gauge Inches	(mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	(mm)
2.75	(70.0)	0	0	3.30	(83.8)
2.70	(68.5)	4	3	3.25	(82.6)
2.65	(67.5)	8	6	3.20	(81.3)
2.60	(66.0)	12	9	3.15	(80.0)
2.55	(65.0)	16	12	3.10	(78.7)
2.50	(63.5)	20	15	3.05	(77.5)
2.45	(62.0)	24	18	3.00	(76.2)
2.40	(61.0)	28	21	2.95	(74.9)
2.35	(59.5)	32	24	2.90	(73.7)
2.30	(58.5)	36	27	2.85	(72.4)
2.25	(57.0)	40	30	2.80	(71.1)
2.20	(56.0)	44	33	2.75	(69.9)
2.15	(54.5)	48	36	2.70	(68.6)
2.10	(53.5)	52	39	2.65	(67.3)
2.05	(52.0)	56	42	2.60	(66.0)
2.00	(51.0)	60	45	2.55	(64.8)
1.95	(49.5)	64	48	2.50	(63.5)
1.90	(48.5)	68	51	2.45	(62.2)
1.85	(47.0)	72	54	2.40	(61.0)
1.80	(45.5)	76	57	2.35	(59.7)
1.75	(44.5)	80	60	2.30	(58.4)
1.70	(43.0)	84	63	2.25	(57.2)
1.65	(42.0)	88	66	2.20	(55.9)
1.60	(40.5)	92	69	2.15	(54.6)
1.55	(39.5)	96	72	2.10	(53.3)
1.50	(38.0)	100	75	2.05	(52.1)
1.45	(37.0)	104	78	2.00	(50.8)
1.40	(35.5)	108	81	1.95	(49.5)
1.35	(34.5)	112	84	1.90	(48.3)
1.30	(33.0)	116	87	1.85	(47.0)
1.25	(32.0)	120	90	1.80	(45.7)
1.20	(30.5)		92	1.75	(44.5)
1.15	(29.0)		94	1.70	(43.2)
1.10	(28.0)		96	1.65	(41.9)
1.05	(26.5)		98	1.60	(40.6)
1.00	(25.5)		100	1.55	(39.4)
0.95	(24.0)		102	1.50	(38.1)
0.90	(23.0)		104	1.45	(36.8)
0.85	(21.5)		106	1.40	(35.6)
0.80	(20.5)		108	1.35	(34.3)
0.75	(19.0)		110	1.30	(33.0)
0.70	(18.0)		112	1.25	(31.8)
0.65	(16.5)		114	1.20	(30.5)
0.60	(15.0)		116	1.15	(29.2)
0.55	(14.0)		118	1.10	(27.9)
0.50	(12.5)		120	1.05	(26.7)

Undercarriage Code: 180

Track Shoes

Chopper



Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
3.30	(84.0)	0	3.85	(97.8)
3.20	(81.5)	5	3.75	(95.3)
3.10	(78.5)	10	3.65	(92.7)
3.00	(76.0)	15	3.55	(90.2)
2.90	(73.5)	20	3.45	(87.6)
2.80	(71.0)	25	3.35	(85.1)
2.70	(68.5)	30	3.25	(82.6)
2.60	(66.0)	35	3.15	(80.0)
2.50	(63.5)	40	3.05	(77.5)
2.40	(61.0)	44	2.95	(74.9)
2.30	(58.5)	48	2.85	(72.4)
2.20	(56.0)	52	2.75	(69.9)
2.10	(53.5)	56	2.65	(67.3)
2.00	(51.0)	60	2.55	(64.8)
1.90	(48.5)	64	2.45	(62.2)
1.80	(45.5)	68	2.35	(59.7)
1.70	(43.0)	72	2.25	(57.2)
1.60	(40.5)	76	2.15	(54.6)
1.50	(38.0)	80	2.05	(52.1)
1.40	(35.5)	84	1.95	(49.5)
1.30	(33.0)	88	1.85	(47.0)
1.20	(30.5)	92	1.75	(44.5)
1.10	(28.0)	96	1.65	(41.9)
1.00	(25.5)	100	1.55	(39.4)
0.90	(23.0)	104	1.45	(36.8)
0.80	(20.5)	108	1.35	(34.3)
0.70	(18.0)	112	1.25	(31.7)
0.60	(15.0)	116	1.15	(29.2)
0.50	(12.5)	120	1.05	(26.7)

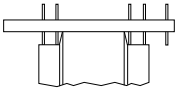
NOTE: When measuring with the Ultrasonic Wear Indicator, measure in the center of the full length grouser.

Undercarriage Code: 178, 180, 182, 183, 184

Elevated Sprocket Machines

D8L, D8N, D8R, 578, 583R — 8.50" (215.9 mm)

Idlers

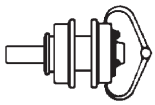


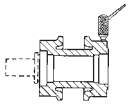
Depth Gauge Inches	(mm)	% Worn
0.78	(20.0)	0
0.80	(20.5)	4
0.82	(21.0)	8
0.84	(21.5)	12
0.86	(22.0)	16
0.88	(22.5)	20
0.90	(23.0)	24
0.92	(23.5)	28
0.94	(24.0)	32
0.96	(24.5)	36
0.98	(25.0)	40
1.00	(25.5)	44
1.02	(26.0)	48
1.04	(26.5)	52
1.06	(27.0)	56
1.08	(27.5)	60
1.10	(28.0)	64
1.12	(28.5)	68
1.14	(29.0)	72
1.16	(29.5)	74
1.18	(30.0)	76
1.20	(30.5)	78
1.22	(31.0)	80
1.24	(31.5)	82
1.26	(32.0)	84
1.28	(32.5)	86
1.30	(33.0)	88
1.32	(33.5)	90
1.34	(34.0)	92
1.36	(34.5)	94
1.38	(35.0)	96
1.40	(35.5)	98
1.42	(36.0)	100
1.44	(36.5)	102
1.46	(37.0)	104
1.48	(37.5)	106
1.50	(38.0)	108
1.52	(38.5)	110
1.54	(39.0)	112
1.56	(39.5)	114
1.58	(40.0)	116
1.60	(40.5)	118
1.62	(41.0)	120

Flange width: 3.86" (98 mm)

Undercarriage Code: 178, 1785, 179, 180, 182, 183, 184

Carrier Rollers





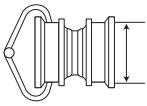
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
7.50	(190.5)	0	1.92	(48.8)
7.46	(189.5)	4	1.90	(48.3)
7.42	(188.5)	8	1.88	(47.8)
7.38	(187.5)	12	1.86	(47.2)
7.34	(186.5)	16	1.84	(46.7)
7.30	(185.5)	20	1.82	(46.2)
7.26	(184.5)	24	1.80	(45.7)
7.22	(183.5)	28	1.78	(45.2)
7.18	(182.5)	32	1.76	(44.7)
7.14	(181.5)	36	1.74	(44.2)
7.10	(180.5)	40	1.72	(43.7)
7.06	(179.5)	44	1.70	(43.2)
7.02	(178.5)	48	1.68	(42.7)
6.98	(177.5)	50	1.66	(42.2)
6.94	(176.5)	52	1.64	(41.7)
6.90	(175.5)	54	1.62	(41.1)
6.86	(174.0)	56	1.60	(40.6)
6.82	(173.0)	58	1.58	(40.1)
6.78	(172.0)	60	1.56	(39.6)
6.74	(171.0)	62	1.54	(39.1)
6.70	(170.0)	64	1.52	(38.6)
6.66	(169.0)	66	1.50	(38.1)
6.62	(168.0)	68	1.48	(37.6)
6.58	(167.0)	70	1.46	(37.1)
6.54	(166.0)	72	1.44	(36.6)
6.50	(165.0)	74	1.42	(36.1)
6.46	(164.0)	76	1.40	(35.6)
6.42	(163.0)	78	1.38	(35.1)
6.38	(162.0)	80	1.36	(34.5)
6.34	(161.0)	82	1.34	(34.0)
6.30	(160.0)	84	1.32	(33.5)
6.26	(159.0)	86	1.30	(33.0)
6.22	(158.0)	88	1.28	(32.5)
6.18	(157.0)	90	1.26	(32.0)
6.14	(156.0)	92	1.24	(31.5)
6.10	(155.0)	94	1.22	(31.0)
6.06	(154.0)	96	1.20	(30.5)
6.02	(153.0)	98	1.18	(30.0)
5.98	(152.0)	100	1.16	(29.5)
5.94	(151.0)	102	1.14	(29.0)
5.90	(150.0)	104	1.12	(28.4)
5.86	(149.0)	106	1.10	(27.9)
5.82	(148.0)	108	1.08	(27.4)
5.78	(147.0)	110	1.06	(26.9)
5.74	(146.0)	112	1.04	(26.4)
5.70	(145.0)	114	1.02	(25.9)
5.66	(144.0)	116	1.00	(25.4)
5.62	(142.5)	118	0.98	(24.9)
5.58	(141.5)	120	0.96	(24.4)

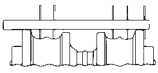
Undercarriage Code: 178, 1785, 179, 180, 182, 183, 184

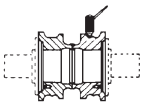
D8L, D8N, D8R, 578, 583R — 8.50" (215.9 mm)

Track Rollers

Single Flange







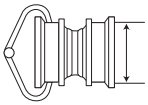
Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
9.72	(247.0)	0	0.55	(14.0)	2.48	(63.0)
9.62	(244.5)	5	0.60	(15.0)	2.43	(61.7)
9.52	(242.0)	10	0.65	(16.5)	2.38	(60.5)
9.42	(239.5)	15	0.70	(18.0)	2.33	(59.2)
9.32	(236.5)	20	0.75	(19.0)	2.28	(57.9)
9.22	(234.0)	25	0.80	(20.5)	2.23	(56.6)
9.12	(231.5)	30	0.85	(21.5)	2.18	(55.4)
9.02	(229.0)	35	0.90	(23.0)	2.13	(54.1)
8.92	(226.5)	40	0.95	(24.0)	2.08	(52.8)
8.82	(224.0)	45	1.00	(25.5)	2.03	(51.6)
8.72	(221.5)	50	1.05	(26.5)	1.98	(50.3)
8.62	(219.0)	55	1.10	(28.0)	1.93	(49.0)
8.52	(216.5)	60	1.15	(29.0)	1.88	(47.8)
8.42	(214.0)	65	1.20	(30.5)	1.83	(46.5)
8.32	(211.5)	70	1.25	(32.0)	1.78	(45.2)
8.22	(209.0)	75	1.30	(33.0)	1.73	(43.9)
8.12	(206.0)	80	1.35	(34.5)	1.68	(42.7)
8.02	(203.5)	85	1.40	(35.5)	1.63	(41.4)
7.92	(201.0)	90	1.45	(37.0)	1.58	(40.1)
7.82	(198.5)	94	1.50	(38.0)	1.53	(38.9)
7.72	(196.0)	96	1.55	(39.5)	1.48	(37.6)
7.62	(193.5)	98	1.60	(40.5)	1.43	(36.3)
7.52	(191.0)	100	1.65	(42.0)	1.38	(35.1)
7.42	(188.5)	102	1.70	(43.0)	1.33	(33.8)
7.32	(186.0)	104	1.75	(44.5)	1.28	(32.5)
7.22	(183.5)	106	1.80	(45.5)	1.23	(31.2)
7.12	(181.0)	108	1.85	(47.0)	1.18	(30.0)
7.02	(178.5)	110	1.90	(48.5)	1.13	(28.7)
6.92	(176.0)	112	1.95	(49.5)	1.08	(27.4)
6.82	(173.0)	114	2.00	(51.0)	1.03	(26.2)
6.72	(170.5)	116	2.05	(52.0)	0.98	(24.9)
6.62	(168.0)	118	2.10	(53.5)	0.93	(23.6)
6.52	(165.5)	120	2.15	(54.5)	0.88	(22.4)
6.42	(163.0)	122	2.20	(56.0)	0.83	(21.1)

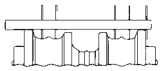
Flange diameter is 10.83" (275 mm)

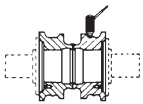
Undercarriage Code: 178, 1785, 179, 180, 182, 183, 184

Track Rollers

Double Flange







Caliper Inches	Caliper (mm)	% Worn	Depth Gauge Inches	Depth Gauge (mm)	Ultrasonic Inches	Ultrasonic (mm)
9.49	(241.0)	0	0.67	(17.0)	2.37	(60.2)
9.39	(238.5)	6	0.72	(18.5)	2.32	(58.9)
9.29	(236.0)	12	0.77	(19.5)	2.27	(57.7)
9.19	(233.5)	18	0.82	(21.0)	2.22	(56.4)
9.09	(231.0)	24	0.87	(22.0)	2.17	(55.1)
8.99	(228.5)	30	0.92	(23.5)	2.12	(53.8)
8.89	(226.0)	36	0.97	(24.5)	2.07	(52.6)
8.79	(223.5)	42	1.02	(26.0)	2.02	(51.3)
8.69	(220.5)	48	1.07	(27.0)	1.97	(50.0)
8.59	(218.0)	54	1.12	(28.5)	1.92	(48.8)
8.49	(215.5)	60	1.17	(29.5)	1.87	(47.5)
8.39	(213.0)	66	1.22	(31.0)	1.82	(46.2)
8.29	(210.5)	72	1.27	(32.5)	1.77	(45.0)
8.19	(208.0)	78	1.32	(33.5)	1.72	(43.7)
8.09	(205.5)	82	1.37	(35.0)	1.67	(42.4)
7.99	(203.0)	85	1.42	(36.0)	1.62	(41.1)
7.89	(200.5)	88	1.47	(37.5)	1.57	(39.9)
7.79	(198.0)	91	1.52	(38.5)	1.52	(38.6)
7.69	(195.5)	94	1.57	(40.0)	1.47	(37.3)
7.59	(193.0)	97	1.62	(41.0)	1.42	(36.1)
7.49	(190.0)	100	1.67	(42.5)	1.37	(34.8)
7.39	(187.5)	103	1.72	(43.5)	1.32	(33.5)
7.29	(185.0)	106	1.77	(45.0)	1.27	(32.3)
7.19	(182.5)	109	1.82	(46.0)	1.22	(31.0)
7.09	(180.0)	112	1.87	(47.5)	1.17	(29.7)
6.99	(177.5)	115	1.92	(49.0)	1.12	(28.4)
6.89	(175.0)	118	1.97	(50.0)	1.07	(27.2)
6.79	(172.5)	121	2.02	(51.5)	1.02	(25.9)
6.69	(170.0)	124	2.07	(52.5)	0.97	(24.6)
6.59	(167.5)	127	2.12	(54.0)	0.92	(23.4)
6.49	(165.0)	130	2.17	(55.0)	0.87	(22.1)

Flange diameter is 10.83" (275 mm)

Undercarriage Code: 178, 1785, 179, 180, 182, 183, 184

D8N, D8R, 578, 583R — 8.50" (215.9 mm)

Sprockets

Do not use with D8L



Tape Measure Inches	(mm)	% Worn
9.40	(239.0)	0
9.35	(237.5)	7
9.30	(236.0)	14
9.25	(235.0)	21
9.20	(233.5)	28
9.15	(232.5)	35
9.10	(231.0)	40
9.05	(230.0)	45
9.00	(228.5)	50
8.95	(227.5)	55
8.90	(226.0)	60
8.85	(225.0)	65
8.80	(223.5)	70
8.75	(222.5)	75
8.70	(221.0)	80
8.65	(219.5)	85
8.60	(218.5)	90
8.55	(217.0)	95
8.50	(216.0)	100
8.45	(214.5)	105
8.40	(213.5)	110
8.35	(212.0)	115
8.30	(211.0)	120

NOTE: Measure across 3 teeth

Undercarriage Code: 1785, 179, 180, 183, 184

Sprockets

Use with D8L only



Tape Measure Inches	(mm)	% Worn
9.25	(235.0)	0
9.20	(233.5)	8
9.15	(232.5)	16
9.10	(231.0)	24
9.05	(230.0)	32
9.00	(228.5)	40
8.95	(227.5)	46
8.90	(226.0)	52
8.85	(225.0)	58
8.80	(223.5)	64
8.75	(222.5)	70
8.70	(221.0)	76
8.65	(219.5)	82
8.60	(218.5)	88
8.55	(217.0)	94
8.50	(216.0)	100
8.45	(214.5)	106
8.40	(213.5)	112
8.35	(212.0)	118
8.30	(211.0)	124

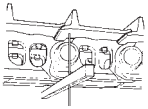
NOTE: Measure across 3 teeth

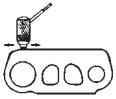
Undercarriage Code: 178, 182

D9N, D9R — 9.45" (240 mm)

Track Links

9W2743 & 44
7T2275 & 76

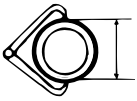


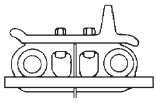


Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
6.53	(166.0)	0	0	2.28	(57.9)
6.51	(165.5)	5	4	2.26	(57.4)
6.49	(165.0)	10	8	2.24	(56.9)
6.47	(164.5)	15	12	2.22	(56.4)
6.45	(164.0)	20	16	2.20	(55.9)
6.43	(163.5)	25	20	2.18	(55.4)
6.41	(163.0)	30	24	2.16	(54.9)
6.39	(162.5)	35	28	2.14	(54.4)
6.37	(162.0)	40	32	2.12	(53.8)
6.35	(161.5)	45	36	2.10	(53.3)
6.33	(161.0)	50	40	2.08	(52.8)
6.31	(160.5)	55	44	2.06	(52.3)
6.29	(160.0)	60	48	2.04	(51.8)
6.27	(159.5)	64	52	2.02	(51.3)
6.25	(159.0)	68	55	2.00	(50.8)
6.23	(158.0)	71	58	1.98	(50.3)
6.21	(157.5)	74	60	1.96	(49.8)
6.19	(157.0)	77	63	1.94	(49.3)
6.17	(156.5)	81	65	1.92	(48.8)
6.15	(156.0)	84	68	1.90	(48.3)
6.13	(155.5)	87	70	1.88	(47.8)
6.11	(155.0)	90	73	1.86	(47.2)
6.09	(154.5)	94	75	1.84	(46.7)
6.07	(154.0)	97	78	1.82	(46.2)
6.05	(153.5)	100	80	1.80	(45.7)
6.03	(153.0)	103	83	1.78	(45.2)
6.01	(152.5)	107	85	1.76	(44.7)
5.99	(152.0)	110	88	1.74	(44.2)
5.97	(151.5)	113	90	1.72	(43.7)
5.95	(151.0)	116	93	1.70	(43.2)
5.93	(150.5)	120	95	1.68	(42.7)
5.91	(150.0)		98	1.66	(42.2)
5.89	(149.5)		100	1.64	(41.7)
5.87	(149.0)		103	1.62	(41.1)
5.85	(148.5)		105	1.60	(40.6)
5.83	(148.0)		108	1.58	(40.1)
5.81	(147.5)		110	1.56	(39.6)
5.79	(147.0)		113	1.54	(39.1)
5.77	(146.5)		115	1.52	(38.6)
5.75	(146.0)		118	1.50	(38.1)
5.73	(145.5)		120	1.48	(37.6)

Undercarriage Code: 195, 196

Bushings for Sealed & Lubricated Track





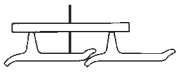
Caliper		Allowable Wear		Ultrasonic		Depth Gauge	
		Lesser	Greater				
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
3.34	(84.8)	0	0	0.65	(16.5)	4.35	(110.5)
3.33	(84.6)	5	4	0.64	(16.3)	4.34	(110.2)
3.32	(84.3)	10	8	0.63	(16.0)	4.33	(110.0)
3.31	(84.1)	15	12	0.62	(15.7)	4.32	(109.7)
3.30	(83.8)	20	16	0.61	(15.5)	4.31	(109.5)
3.29	(83.6)	25	20	0.60	(15.2)	4.30	(109.2)
3.28	(83.3)	30	24	0.59	(15.0)	4.29	(109.0)
3.27	(83.1)	35	28	0.58	(14.7)	4.28	(108.7)
3.26	(82.8)	40	32	0.57	(14.5)	4.27	(108.5)
3.25	(82.6)	45	36	0.56	(14.2)	4.26	(108.2)
3.24	(82.3)	50	40	0.55	(14.0)	4.25	(108.0)
3.23	(82.0)	55	42	0.54	(13.7)	4.24	(107.7)
3.22	(81.8)	60	44	0.53	(13.5)	4.23	(107.4)
3.21	(81.5)	65	46	0.52	(13.2)	4.22	(107.2)
3.20	(81.3)	68	48	0.51	(13.0)	4.21	(106.9)
3.19	(81.0)	70	50	0.50	(12.7)	4.20	(106.7)
3.18	(80.8)	72	52	0.49	(12.4)	4.19	(106.4)
3.17	(80.5)	74	54	0.48	(12.2)	4.18	(106.2)
3.16	(80.3)	76	56	0.47	(11.9)	4.17	(105.9)
3.15	(80.0)	78	58	0.46	(11.7)	4.16	(105.7)
3.14	(79.8)	80	60	0.45	(11.4)	4.15	(105.4)
3.13	(79.5)	82	62	0.44	(11.2)	4.14	(105.2)
3.12	(79.2)	84	64	0.43	(10.9)	4.13	(104.9)
3.11	(79.0)	86	66	0.42	(10.7)	4.12	(104.6)
3.10	(78.7)	88	68	0.41	(10.4)	4.11	(104.4)
3.09	(78.5)	90	70	0.40	(10.2)	4.10	(104.1)
3.08	(78.2)	92	72	0.39	(9.9)	4.09	(103.9)
3.07	(78.0)	94	74	0.38	(9.7)	4.08	(103.6)
3.06	(77.7)	96	76	0.37	(9.4)	4.07	(103.4)
3.05	(77.5)	98	78	0.36	(9.1)	4.06	(103.1)
3.04	(77.2)	100	80	0.35	(8.9)	4.05	(102.9)
3.03	(77.0)	102	82	0.34	(8.6)	4.04	(102.6)
3.02	(76.7)	104	84	0.33	(8.4)	4.03	(102.4)
3.01	(76.5)	106	86	0.32	(8.1)	4.02	(102.1)
3.00	(76.2)	108	88	0.31	(7.9)	4.01	(101.9)
2.99	(75.9)	110	90	0.30	(7.6)	4.00	(101.6)
2.98	(75.7)	112	92	0.29	(7.4)	3.99	(101.3)
2.97	(75.4)	114	94	0.28	(7.1)	3.98	(101.1)
2.96	(75.2)	116	96	0.27	(6.9)	3.97	(100.8)
2.95	(74.9)	118	98	0.26	(6.6)	3.96	(100.6)
2.94	(74.7)	120	100	0.25	(6.3)	3.95	(100.3)
2.93	(74.4)		102	0.24	(6.1)	3.94	(100.1)
2.92	(74.2)		104	0.23	(5.8)	3.93	(99.8)
2.91	(73.9)		106	0.22	(5.6)	3.92	(99.6)
2.90	(73.7)		108	0.21	(5.3)	3.91	(99.3)
2.89	(73.4)		110	0.20	(5.1)	3.90	(99.1)
2.88	(73.2)		112	0.19	(4.8)	3.89	(98.8)
2.87	(72.9)		114	0.18	(4.6)	3.88	(98.6)
2.86	(72.6)		116	0.17	(4.3)	3.87	(98.3)
2.85	(72.4)		118	0.16	(4.1)	3.86	(98.0)
2.84	(72.1)		120	0.15	(3.8)	3.85	(97.8)

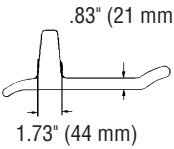
NOTE: DO NOT USE DEPTH GAUGE UNTIL BUSHINGS HAVE BEEN "TURNED."

Undercarriage Code: 195, 196

Track Shoes

Super Extreme Service





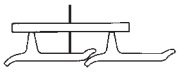


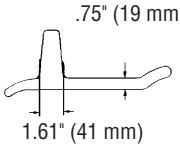
Depth Gauge Inches	(mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	(mm)
3.70	(94.0)	0	0	4.50	(114.3)
3.60	(91.5)	5	4	4.40	(111.8)
3.50	(89.0)	10	8	4.30	(109.2)
3.40	(86.5)	15	12	4.20	(106.7)
3.30	(84.0)	20	16	4.10	(104.1)
3.20	(81.5)	25	20	4.00	(101.6)
3.10	(78.5)	30	24	3.90	(99.1)
3.00	(76.0)	35	28	3.80	(96.5)
2.90	(73.5)	40	32	3.70	(94.0)
2.80	(71.0)	45	36	3.60	(91.4)
2.70	(68.5)	50	40	3.50	(88.9)
2.60	(66.0)	55	44	3.40	(86.4)
2.50	(63.5)	60	48	3.30	(83.8)
2.40	(61.0)	64	52	3.20	(81.3)
2.30	(58.5)	68	56	3.10	(78.7)
2.20	(56.0)	72	60	3.00	(76.2)
2.10	(53.5)	76	64	2.90	(73.7)
2.00	(51.0)	80	68	2.80	(71.1)
1.90	(48.5)	84	72	2.70	(68.6)
1.80	(45.5)	88	76	2.60	(66.0)
1.70	(43.0)	92	79	2.50	(63.5)
1.60	(40.5)	96	82	2.40	(61.0)
1.50	(38.0)	100	85	2.30	(58.4)
1.40	(35.5)	104	88	2.20	(55.9)
1.30	(33.0)	108	91	2.10	(53.3)
1.20	(30.5)	112	94	2.00	(50.8)
1.10	(28.0)	116	97	1.90	(48.3)
1.00	(25.5)	120	100	1.80	(45.7)
0.90	(23.0)		103	1.70	(43.2)
0.80	(20.5)		106	1.60	(40.6)
0.70	(18.0)		109	1.50	(38.1)
0.60	(15.0)		112	1.40	(35.6)
0.50	(12.5)		115	1.30	(33.0)
0.40	(10.0)		118	1.20	(30.5)
0.30	(7.5)		121	1.10	(27.9)

Undercarriage Code: 195, 196

Track Shoes

Extreme Service







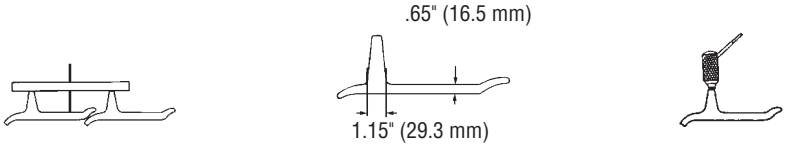
Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
3.30	(84.0)	0	0	4.05	(102.9)
3.20	(81.5)	6	5	3.95	(100.3)
3.10	(78.5)	12	10	3.85	(97.8)
3.00	(76.0)	18	15	3.75	(95.3)
2.90	(73.5)	24	20	3.65	(92.7)
2.80	(71.0)	30	25	3.55	(90.2)
2.70	(68.5)	36	30	3.45	(87.6)
2.60	(66.0)	42	35	3.35	(85.1)
2.50	(63.5)	48	40	3.25	(82.6)
2.40	(61.0)	54	44	3.15	(80.0)
2.30	(58.5)	60	48	3.05	(77.5)
2.20	(56.0)	65	52	2.95	(74.9)
2.10	(53.5)	70	56	2.85	(72.4)
2.00	(51.0)	75	60	2.75	(69.9)
1.90	(48.5)	80	64	2.65	(67.3)
1.80	(45.5)	85	68	2.55	(64.8)
1.70	(43.0)	90	72	2.45	(62.2)
1.60	(40.5)	95	76	2.35	(59.7)
1.50	(38.0)	100	80	2.25	(57.1)
1.40	(35.5)	105	84	2.15	(54.6)
1.30	(33.0)	110	88	2.05	(52.1)
1.20	(30.5)	115	92	1.95	(49.5)
1.10	(28.0)	120	96	1.85	(47.0)
1.00	(25.5)		100	1.75	(44.4)
0.90	(23.0)		104	1.65	(41.9)
0.80	(20.5)		108	1.55	(39.4)
0.70	(18.0)		112	1.45	(36.8)
0.60	(15.0)		116	1.35	(34.3)
0.50	(12.5)		120	1.25	(31.7)

Undercarriage Code: 195, 196

D9N, D9R — 9.45" (240 mm)

Track Shoes

Moderate Service

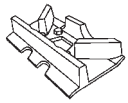


Depth Gauge Inches	(mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	(mm)
3.00	(76.0)	0	0	3.65	(92.7)
2.90	(73.5)	7	5	3.55	(90.2)
2.80	(71.0)	14	10	3.45	(87.6)
2.70	(68.5)	21	15	3.35	(85.1)
2.60	(66.0)	28	20	3.25	(82.6)
2.50	(63.5)	35	25	3.15	(80.0)
2.40	(61.0)	42	30	3.05	(77.5)
2.30	(58.5)	49	35	2.95	(74.9)
2.20	(56.0)	56	40	2.85	(72.4)
2.10	(53.5)	63	45	2.75	(69.9)
2.00	(51.0)	70	50	2.65	(67.3)
1.90	(48.5)	76	55	2.55	(64.8)
1.80	(45.5)	82	60	2.45	(62.2)
1.70	(43.0)	88	65	2.35	(59.7)
1.60	(40.5)	94	70	2.25	(57.2)
1.50	(38.0)	100	75	2.15	(54.6)
1.40	(35.5)	106	80	2.05	(52.1)
1.30	(33.0)	112	85	1.95	(49.5)
1.20	(30.5)	118	90	1.85	(47.0)
1.10	(28.0)	124	95	1.75	(44.5)
1.00	(25.5)		100	1.65	(41.9)
0.90	(23.0)		104	1.55	(39.4)
0.80	(20.5)		108	1.45	(36.8)
0.70	(18.0)		112	1.35	(34.3)
0.60	(15.0)		116	1.25	(31.7)
0.50	(12.5)		120	1.15	(29.2)

Undercarriage Code: 195, 196

Track Shoes

Chopper

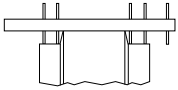


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
3.90	(99.0)	0	4.49	(114.0)
3.80	(96.5)	4	4.39	(111.5)
3.70	(94.0)	8	4.29	(108.9)
3.60	(91.5)	12	4.19	(106.4)
3.50	(89.0)	16	4.09	(103.8)
3.40	(86.5)	20	3.99	(101.3)
3.30	(84.0)	24	3.89	(98.8)
3.20	(81.5)	28	3.79	(96.2)
3.10	(78.5)	32	3.69	(93.7)
3.00	(76.0)	36	3.59	(91.1)
2.90	(73.5)	40	3.49	(88.6)
2.80	(71.0)	44	3.39	(86.1)
2.70	(68.5)	48	3.29	(83.5)
2.60	(66.0)	52	3.19	(81.0)
2.50	(63.5)	55	3.09	(78.4)
2.40	(61.0)	58	2.99	(75.9)
2.30	(58.5)	61	2.89	(73.4)
2.20	(56.0)	64	2.79	(70.8)
2.10	(53.5)	67	2.69	(68.3)
2.00	(51.0)	70	2.59	(65.7)
1.90	(48.5)	73	2.49	(63.2)
1.80	(45.5)	76	2.39	(60.7)
1.70	(43.0)	79	2.29	(58.1)
1.60	(40.5)	82	2.19	(55.6)
1.50	(38.0)	85	2.09	(53.0)
1.40	(35.5)	88	1.99	(50.5)
1.30	(33.0)	91	1.89	(48.0)
1.20	(30.5)	94	1.79	(45.4)
1.10	(28.0)	97	1.69	(42.9)
1.00	(25.5)	100	1.59	(40.3)
0.90	(23.0)	103	1.49	(37.8)
0.80	(20.5)	106	1.39	(35.3)
0.70	(18.0)	109	1.29	(32.7)
0.60	(15.0)	112	1.19	(30.2)
0.50	(12.5)	115	1.09	(27.6)
0.40	(10.0)	118	0.99	(25.1)
0.30	(7.5)	121	0.89	(22.6)

NOTE: When measuring with the Ultrasonic Wear Indicator, measure in the center of the full length grouser.

Undercarriage Code: 195, 196

Idlers



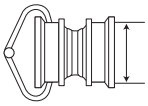
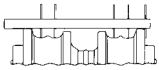
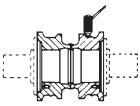
Depth Gauge Inches	Depth Gauge (mm)	% Worn
0.78	(20.0)	0
0.80	(20.5)	4
0.82	(21.0)	8
0.84	(21.5)	12
0.86	(22.0)	16
0.88	(22.5)	20
0.90	(23.0)	24
0.92	(23.5)	28
0.94	(24.0)	32
0.96	(24.5)	36
0.98	(25.0)	40
1.00	(25.5)	44
1.02	(26.0)	48
1.04	(26.5)	52
1.06	(27.0)	56
1.08	(27.5)	60
1.10	(28.0)	64
1.12	(28.5)	68
1.14	(29.0)	72
1.16	(29.5)	74
1.18	(30.0)	76
1.20	(30.5)	78
1.22	(31.0)	80
1.24	(31.5)	82
1.26	(32.0)	84
1.28	(32.5)	86
1.30	(33.0)	88
1.32	(33.5)	90
1.34	(34.0)	92
1.36	(34.5)	94
1.38	(35.0)	96
1.40	(35.5)	98
1.42	(36.0)	100
1.44	(36.5)	102
1.46	(37.0)	104
1.48	(37.5)	106
1.50	(38.0)	108
1.52	(38.5)	110
1.54	(39.0)	112
1.56	(39.5)	114
1.58	(40.0)	116
1.60	(40.5)	118
1.62	(41.0)	120

Flange width: 4.37" (111 mm)

Undercarriage Code: 195, 196

Track Rollers

Single Flange

Caliper Inches	Caliper (mm)	% Worn	Depth Gauge Inches	Depth Gauge (mm)	Ultrasonic Inches	Ultrasonic (mm)
10.23	(260.0)	0	0.59	(15.0)	2.74	(69.6)
10.13	(257.5)	5	0.64	(16.5)	2.69	(68.3)
10.03	(255.0)	10	0.69	(17.5)	2.64	(67.1)
9.93	(252.0)	15	0.74	(19.0)	2.59	(65.8)
9.83	(249.5)	20	0.79	(20.0)	2.54	(64.5)
9.73	(247.0)	25	0.84	(21.5)	2.49	(63.2)
9.63	(244.5)	30	0.89	(22.5)	2.44	(62.0)
9.53	(242.0)	34	0.94	(24.0)	2.39	(60.7)
9.43	(239.5)	37	0.99	(25.0)	2.34	(59.4)
9.33	(237.0)	40	1.04	(26.5)	2.29	(58.2)
9.23	(234.5)	43	1.09	(27.5)	2.24	(56.9)
9.13	(232.0)	46	1.14	(29.0)	2.19	(55.6)
9.03	(229.5)	49	1.19	(30.0)	2.14	(54.4)
8.93	(227.0)	52	1.24	(31.5)	2.09	(53.1)
8.83	(224.5)	55	1.29	(33.0)	2.04	(51.8)
8.73	(221.5)	58	1.34	(34.0)	1.99	(50.5)
8.63	(219.0)	61	1.39	(35.5)	1.94	(49.3)
8.53	(216.5)	64	1.44	(36.5)	1.89	(48.0)
8.43	(214.0)	67	1.49	(38.0)	1.84	(46.7)
8.33	(211.5)	70	1.54	(39.0)	1.79	(45.5)
8.23	(209.0)	73	1.59	(40.5)	1.74	(44.2)
8.13	(206.5)	76	1.64	(41.5)	1.69	(42.9)
8.03	(204.0)	79	1.69	(43.0)	1.64	(41.7)
7.93	(201.5)	82	1.74	(44.0)	1.59	(40.4)
7.83	(199.0)	85	1.79	(45.5)	1.54	(39.1)
7.73	(196.5)	88	1.84	(46.5)	1.49	(37.8)
7.63	(194.0)	91	1.89	(48.0)	1.44	(36.6)
7.53	(191.5)	94	1.94	(49.5)	1.39	(35.3)
7.43	(188.5)	97	1.99	(50.5)	1.34	(34.0)
7.33	(186.0)	100	2.04	(52.0)	1.29	(32.8)
7.23	(183.5)	103	2.09	(53.0)	1.24	(31.5)
7.13	(181.0)	106	2.14	(54.5)	1.19	(30.2)
7.03	(178.5)	109	2.19	(55.5)	1.14	(29.0)
6.93	(176.0)	112	2.24	(57.0)	1.09	(27.7)
6.83	(173.5)	115	2.29	(58.0)	1.04	(26.4)
6.73	(171.0)	118	2.34	(59.5)	0.99	(25.1)
6.63	(168.5)	121	2.39	(60.5)	0.94	(23.9)
6.53	(166.0)	124	2.44	(62.0)	0.89	(22.6)
6.43	(163.5)	127	2.49	(63.0)	0.84	(21.3)

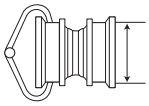
Flange diameter is 11.42" (290 mm)

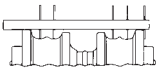
Undercarriage Code: 195, 196

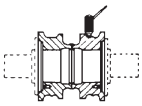
D9N, D9R — 9.45" (240 mm)

Track Rollers

Double Flange







Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
9.84	(250.0)	0	0.78	(20.0)	2.54	(64.5)
9.74	(247.5)	5	0.83	(21.0)	2.49	(63.2)
9.64	(245.0)	10	0.88	(22.5)	2.44	(62.0)
9.54	(242.5)	15	0.93	(23.5)	2.39	(60.7)
9.44	(240.0)	20	0.98	(25.0)	2.34	(59.4)
9.34	(237.0)	25	1.03	(26.0)	2.29	(58.2)
9.24	(234.5)	30	1.08	(27.5)	2.24	(56.9)
9.14	(232.0)	35	1.13	(28.5)	2.19	(55.6)
9.04	(229.5)	40	1.18	(30.0)	2.14	(54.4)
8.94	(227.0)	45	1.23	(31.0)	2.09	(53.1)
8.84	(224.5)	50	1.28	(32.5)	2.04	(51.8)
8.74	(222.0)	55	1.33	(34.0)	1.99	(50.5)
8.64	(219.5)	60	1.38	(35.0)	1.94	(49.3)
8.54	(217.0)	65	1.43	(36.5)	1.89	(48.0)
8.44	(214.5)	70	1.48	(37.5)	1.84	(46.7)
8.34	(212.0)	73	1.53	(39.0)	1.79	(45.5)
8.24	(209.5)	76	1.58	(40.0)	1.74	(44.2)
8.14	(207.0)	79	1.63	(41.5)	1.69	(42.9)
8.04	(204.0)	82	1.68	(42.5)	1.64	(41.7)
7.94	(201.5)	85	1.73	(44.0)	1.59	(40.4)
7.84	(199.0)	88	1.78	(45.0)	1.54	(39.1)
7.74	(196.5)	91	1.83	(46.5)	1.49	(37.8)
7.64	(194.0)	94	1.88	(48.0)	1.44	(36.6)
7.54	(191.5)	97	1.93	(49.0)	1.39	(35.3)
7.44	(189.0)	100	1.98	(50.5)	1.34	(34.0)
7.34	(186.5)	103	2.03	(51.5)	1.29	(32.8)
7.24	(184.0)	106	2.08	(53.0)	1.24	(31.5)
7.14	(181.5)	109	2.13	(54.0)	1.19	(30.2)
7.04	(179.0)	112	2.18	(55.5)	1.14	(29.0)
6.94	(176.5)	115	2.23	(56.5)	1.09	(27.7)
6.84	(173.5)	118	2.28	(58.0)	1.04	(26.4)
6.74	(171.0)	121	2.33	(59.0)	0.99	(25.1)
6.64	(168.5)	124	2.38	(60.5)	0.94	(23.9)
6.54	(166.0)	127	2.43	(61.5)	0.89	(22.6)
6.44	(163.5)	130	2.48	(63.0)	0.84	(21.3)

Flange diameter is 11.42" (290 mm)

Undercarriage Code: 195, 196

Sprockets



Tape Measure Inches	(mm)	% Worn
10.50	(266.5)	0
10.45	(265.5)	5
10.40	(264.0)	10
10.35	(263.0)	15
10.30	(261.5)	20
10.25	(260.5)	25
10.20	(259.0)	30
10.15	(258.0)	35
10.10	(256.5)	40
10.05	(255.5)	45
10.00	(254.0)	50
9.95	(252.5)	55
9.90	(251.5)	60
9.85	(250.0)	65
9.80	(249.0)	70
9.75	(247.5)	75
9.70	(246.5)	80
9.65	(245.0)	84
9.60	(244.0)	88
9.55	(242.5)	92
9.50	(241.5)	96
9.45	(240.0)	100
9.40	(239.0)	104
9.35	(237.5)	108
9.30	(236.0)	112
9.25	(235.0)	116
9.20	(233.5)	120

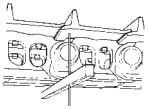
NOTE: Measure across 3 teeth

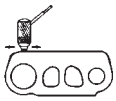
Undercarriage Code: 195, 196

D9L, 589 — 9.00" (228.6 mm)

Track Links

7T7629 & 30
7T4137 & 38

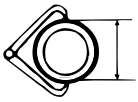


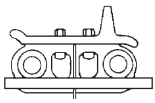


Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
6.34	(161.0)	0	0	1.85	(47.0)
6.32	(160.5)	5	4	1.83	(46.5)
6.30	(160.0)	10	8	1.81	(46.0)
6.28	(159.5)	15	12	1.79	(45.5)
6.26	(159.0)	20	16	1.77	(45.0)
6.24	(158.5)	25	20	1.75	(44.5)
6.22	(158.0)	30	24	1.73	(43.9)
6.20	(157.5)	35	28	1.71	(43.4)
6.18	(157.0)	40	32	1.69	(42.9)
6.16	(156.5)	45	36	1.67	(42.4)
6.14	(156.0)	50	40	1.65	(41.9)
6.12	(155.5)	55	44	1.63	(41.4)
6.10	(155.0)	60	48	1.61	(40.9)
6.08	(154.5)	64	52	1.59	(40.4)
6.06	(154.0)	68	55	1.57	(39.9)
6.04	(153.5)	71	58	1.55	(39.4)
6.02	(153.0)	74	60	1.53	(38.9)
6.00	(152.5)	77	63	1.51	(38.4)
5.98	(152.0)	81	65	1.49	(37.8)
5.96	(151.5)	84	68	1.47	(37.3)
5.94	(151.0)	87	70	1.45	(36.8)
5.92	(150.5)	90	73	1.43	(36.3)
5.90	(150.0)	94	75	1.41	(35.8)
5.88	(149.5)	97	78	1.39	(35.3)
5.86	(149.0)	100	80	1.37	(34.8)
5.84	(148.5)	103	83	1.35	(34.3)
5.82	(148.0)	107	85	1.33	(33.8)
5.80	(147.5)	110	88	1.31	(33.3)
5.78	(147.0)	113	90	1.29	(32.8)
5.76	(146.5)	116	93	1.27	(32.3)
5.74	(146.0)	120	95	1.25	(31.8)
5.72	(145.5)		98	1.23	(31.2)
5.70	(145.0)		100	1.21	(30.7)
5.68	(144.5)		103	1.19	(30.2)
5.66	(144.0)		105	1.17	(29.7)
5.64	(143.5)		108	1.15	(29.2)
5.62	(142.5)		110	1.13	(28.7)
5.60	(142.0)		113	1.11	(28.2)
5.58	(141.5)		115	1.09	(27.7)
5.56	(141.0)		118	1.07	(27.2)
5.54	(140.5)		120	1.05	(26.7)

Undercarriage Code: 193, 194

Bushings for Sealed & Lubricated Track





Caliper		Allowable Wear		Ultrasonic		Depth Gauge	
		Lesser	Greater				
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
3.34	(84.8)	0	0	0.65	(16.5)	4.54	(115.3)
3.33	(84.6)	5	4	0.64	(16.3)	4.53	(115.1)
3.32	(84.3)	10	8	0.63	(16.0)	4.52	(114.8)
3.31	(84.1)	15	12	0.62	(15.7)	4.51	(114.6)
3.30	(83.8)	20	16	0.61	(15.5)	4.50	(114.3)
3.29	(83.6)	25	20	0.60	(15.2)	4.49	(114.0)
3.28	(83.3)	30	24	0.59	(15.0)	4.48	(113.8)
3.27	(83.1)	35	28	0.58	(14.7)	4.47	(113.5)
3.26	(82.8)	40	32	0.57	(14.5)	4.46	(113.3)
3.25	(82.6)	45	36	0.56	(14.2)	4.45	(113.0)
3.24	(82.3)	50	40	0.55	(14.0)	4.44	(112.8)
3.23	(82.0)	55	42	0.54	(13.7)	4.43	(112.5)
3.22	(81.8)	60	44	0.53	(13.5)	4.42	(112.3)
3.21	(81.5)	65	46	0.52	(13.2)	4.41	(112.0)
3.20	(81.3)	68	48	0.51	(13.0)	4.40	(111.8)
3.19	(81.0)	70	50	0.50	(12.7)	4.39	(111.5)
3.18	(80.8)	72	52	0.49	(12.4)	4.38	(111.3)
3.17	(80.5)	74	54	0.48	(12.2)	4.37	(111.0)
3.16	(80.3)	76	56	0.47	(11.9)	4.36	(110.7)
3.15	(80.0)	78	58	0.46	(11.7)	4.35	(110.5)
3.14	(79.8)	80	60	0.45	(11.4)	4.34	(110.2)
3.13	(79.5)	82	62	0.44	(11.2)	4.33	(110.0)
3.12	(79.2)	84	64	0.43	(10.9)	4.32	(109.7)
3.11	(79.0)	86	66	0.42	(10.7)	4.31	(109.5)
3.10	(78.7)	88	68	0.41	(10.4)	4.30	(109.2)
3.09	(78.5)	90	70	0.40	(10.2)	4.29	(109.0)
3.08	(78.2)	92	72	0.39	(9.9)	4.28	(108.7)
3.07	(78.0)	94	74	0.38	(9.7)	4.27	(108.5)
3.06	(77.7)	96	76	0.37	(9.4)	4.26	(108.2)
3.05	(77.5)	98	78	0.36	(9.1)	4.25	(108.0)
3.04	(77.2)	100	80	0.35	(8.9)	4.24	(107.7)
3.03	(77.0)	102	82	0.34	(8.6)	4.23	(107.4)
3.02	(76.7)	104	84	0.33	(8.4)	4.22	(107.2)
3.01	(76.5)	106	86	0.32	(8.1)	4.21	(106.9)
3.00	(76.2)	108	88	0.31	(7.9)	4.20	(106.7)
2.99	(75.9)	110	90	0.30	(7.6)	4.19	(106.4)
2.98	(75.7)	112	92	0.29	(7.4)	4.18	(106.2)
2.97	(75.4)	114	94	0.28	(7.1)	4.17	(105.9)
2.96	(75.2)	116	96	0.27	(6.9)	4.16	(105.7)
2.95	(74.9)	118	98	0.26	(6.6)	4.15	(105.4)
2.94	(74.7)	120	100	0.25	(6.3)	4.14	(105.2)
2.93	(74.4)		102	0.24	(6.1)	4.13	(104.9)
2.92	(74.2)		104	0.23	(5.8)	4.12	(104.6)
2.91	(73.9)		106	0.22	(5.6)	4.11	(104.4)
2.90	(73.7)		108	0.21	(5.3)	4.10	(104.1)
2.89	(73.4)		110	0.20	(5.1)	4.09	(103.9)
2.88	(73.2)		112	0.19	(4.8)	4.08	(103.6)
2.87	(72.9)		114	0.18	(4.6)	4.07	(103.4)
2.86	(72.6)		116	0.17	(4.3)	4.06	(103.1)
2.85	(72.4)		118	0.16	(4.1)	4.05	(102.9)
2.84	(72.1)		120	0.15	(3.8)	4.04	(102.6)

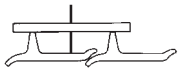
NOTE: DO NOT USE DEPTH GAUGE UNTIL BUSHINGS HAVE BEEN "TURNED."

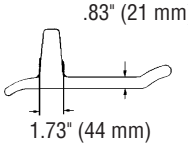
Undercarriage Code: 193, 194

D9L, 589 — 9.00" (228.6 mm)

Track Shoes

Extreme Service





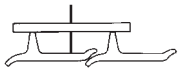


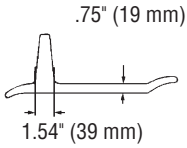
Depth Gauge Inches	(mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	(mm)
3.70	(94.0)	0	0	4.50	(114.3)
3.60	(91.5)	5	4	4.40	(111.8)
3.50	(89.0)	10	8	4.30	(109.2)
3.40	(86.5)	15	12	4.20	(106.7)
3.30	(84.0)	20	16	4.10	(104.1)
3.20	(81.5)	25	20	4.00	(101.6)
3.10	(78.5)	30	24	3.90	(99.1)
3.00	(76.0)	35	28	3.80	(96.5)
2.90	(73.5)	40	32	3.70	(94.0)
2.80	(71.0)	45	36	3.60	(91.4)
2.70	(68.5)	50	40	3.50	(88.9)
2.60	(66.0)	55	44	3.40	(86.4)
2.50	(63.5)	60	48	3.30	(83.8)
2.40	(61.0)	64	52	3.20	(81.3)
2.30	(58.5)	68	56	3.10	(78.7)
2.20	(56.0)	72	60	3.00	(76.2)
2.10	(53.5)	76	64	2.90	(73.7)
2.00	(51.0)	80	68	2.80	(71.1)
1.90	(48.5)	84	72	2.70	(68.6)
1.80	(45.5)	88	76	2.60	(66.0)
1.70	(43.0)	92	79	2.50	(63.5)
1.60	(40.5)	96	82	2.40	(61.0)
1.50	(38.0)	100	85	2.30	(58.4)
1.40	(35.5)	104	88	2.20	(55.9)
1.30	(33.0)	108	91	2.10	(53.3)
1.20	(30.5)	112	94	2.00	(50.8)
1.10	(28.0)	116	97	1.90	(48.3)
1.00	(25.5)	120	100	1.80	(45.7)
0.90	(23.0)		103	1.70	(43.2)
0.80	(20.5)		106	1.60	(40.6)
0.70	(18.0)		109	1.50	(38.1)
0.60	(15.0)		112	1.40	(35.6)
0.50	(12.5)		115	1.30	(33.0)
0.40	(10.0)		118	1.20	(30.5)
0.30	(7.5)		121	1.10	(27.9)

Undercarriage Code: 193, 194

Track Shoes

Moderate Service





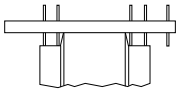


Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
3.10	(78.5)	0	0	3.85	(97.8)
3.00	(76.0)	7	5	3.75	(95.3)
2.90	(73.5)	14	10	3.65	(92.7)
2.80	(71.0)	21	15	3.55	(90.2)
2.70	(68.5)	28	20	3.45	(87.6)
2.60	(66.0)	34	25	3.35	(85.1)
2.50	(63.5)	40	30	3.25	(82.6)
2.40	(61.0)	46	35	3.15	(80.0)
2.30	(58.5)	52	40	3.05	(77.5)
2.20	(56.0)	58	45	2.95	(74.9)
2.10	(53.5)	64	50	2.85	(72.4)
2.00	(51.0)	70	55	2.75	(69.9)
1.90	(48.5)	76	60	2.65	(67.3)
1.80	(45.5)	82	65	2.55	(64.8)
1.70	(43.0)	88	70	2.45	(62.2)
1.60	(40.5)	94	75	2.35	(59.7)
1.50	(38.0)	100	80	2.25	(57.2)
1.40	(35.5)	106	84	2.15	(54.6)
1.30	(33.0)	112	88	2.05	(52.1)
1.20	(30.5)	118	92	1.95	(49.5)
1.10	(28.0)	124	96	1.85	(47.0)
1.00	(25.5)		100	1.75	(44.5)
0.90	(23.0)		104	1.65	(41.9)
0.80	(20.5)		108	1.55	(39.4)
0.70	(18.0)		112	1.45	(36.8)
0.60	(15.0)		116	1.35	(34.3)
0.50	(12.5)		120	1.25	(31.7)

Undercarriage Code: 193, 194

D9L, 589 — 9.00" (228.6 mm)

Idlers



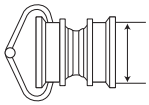
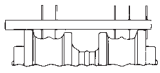
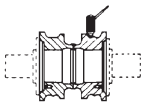
Depth Gauge Inches	(mm)	% Worn
0.78	(20.0)	0
0.80	(20.5)	5
0.82	(21.0)	10
0.84	(21.5)	15
0.86	(22.0)	20
0.88	(22.5)	25
0.90	(23.0)	30
0.92	(23.5)	35
0.94	(24.0)	40
0.96	(24.5)	45
0.98	(25.0)	50
1.00	(25.5)	55
1.02	(26.0)	60
1.04	(26.5)	62
1.06	(27.0)	64
1.08	(27.5)	66
1.10	(28.0)	68
1.12	(28.5)	70
1.14	(29.0)	72
1.16	(29.5)	74
1.18	(30.0)	76
1.20	(30.5)	78
1.22	(31.0)	80
1.24	(31.5)	82
1.26	(32.0)	84
1.28	(32.5)	86
1.30	(33.0)	88
1.32	(33.5)	90
1.34	(34.0)	92
1.36	(34.5)	94
1.38	(35.0)	96
1.40	(35.5)	98
1.42	(36.0)	100
1.44	(36.5)	102
1.46	(37.0)	104
1.48	(37.5)	106
1.50	(38.0)	108
1.52	(38.5)	110
1.54	(39.0)	112
1.56	(39.5)	114
1.58	(40.0)	116
1.60	(40.5)	118
1.62	(41.0)	120

Flange width: 4.63" (117.5 mm)

Undercarriage Code: 193, 194

Track Rollers

Single Flange

Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
10.71	(272.0)	0	0.55	(14.0)	2.73	(69.3)
10.63	(270.0)	5	0.59	(15.0)	2.69	(68.3)
10.55	(268.0)	10	0.63	(16.0)	2.65	(67.3)
10.47	(266.0)	15	0.67	(17.0)	2.61	(66.3)
10.39	(264.0)	20	0.71	(18.0)	2.57	(65.3)
10.31	(262.0)	25	0.75	(19.0)	2.53	(64.3)
10.23	(260.0)	30	0.79	(20.0)	2.49	(63.2)
10.15	(258.0)	35	0.83	(21.0)	2.45	(62.2)
10.07	(256.0)	40	0.87	(22.0)	2.41	(61.2)
9.99	(253.5)	45	0.91	(23.0)	2.37	(60.2)
9.91	(251.5)	50	0.95	(24.0)	2.33	(59.2)
9.83	(249.5)	55	0.99	(25.0)	2.29	(58.2)
9.75	(247.5)	58	1.03	(26.0)	2.25	(57.2)
9.67	(245.5)	61	1.07	(27.0)	2.21	(56.1)
9.59	(243.5)	64	1.11	(28.0)	2.17	(55.1)
9.51	(241.5)	67	1.15	(29.0)	2.13	(54.1)
9.43	(239.5)	70	1.19	(30.0)	2.09	(53.1)
9.35	(237.5)	73	1.23	(31.0)	2.05	(52.1)
9.27	(235.5)	76	1.27	(32.5)	2.01	(51.1)
9.19	(233.5)	79	1.31	(33.5)	1.97	(50.0)
9.11	(231.5)	82	1.35	(34.5)	1.93	(49.0)
9.03	(229.5)	85	1.39	(35.5)	1.89	(48.0)
8.95	(227.5)	88	1.43	(36.5)	1.85	(47.0)
8.87	(225.5)	91	1.47	(37.5)	1.81	(46.0)
8.79	(223.5)	94	1.51	(38.5)	1.77	(45.0)
8.71	(221.0)	97	1.55	(39.5)	1.73	(43.9)
8.63	(219.0)	100	1.59	(40.5)	1.69	(42.9)
8.55	(217.0)	103	1.63	(41.5)	1.65	(41.9)
8.47	(215.0)	106	1.67	(42.5)	1.61	(40.9)
8.39	(213.0)	109	1.71	(43.5)	1.57	(39.9)
8.31	(211.0)	112	1.75	(44.5)	1.53	(38.9)
8.23	(209.0)	115	1.79	(45.5)	1.49	(37.8)
8.15	(207.0)	118	1.83	(46.5)	1.45	(36.8)
8.07	(205.0)	121	1.87	(47.5)	1.41	(35.8)
7.99	(203.0)	124	1.91	(48.5)	1.37	(34.8)
7.91	(201.0)	127	1.95	(49.5)	1.33	(33.8)
7.83	(199.0)	130	1.99	(50.5)	1.29	(32.8)
7.75	(197.0)	133	2.03	(51.5)	1.25	(31.8)
7.67	(195.0)	136	2.07	(52.5)	1.21	(30.7)
7.59	(193.0)	139	2.11	(53.5)	1.17	(29.7)
7.51	(191.0)	142	2.15	(54.5)	1.13	(28.7)
7.43	(188.5)	145	2.19	(55.5)	1.09	(27.7)
7.35	(186.5)	148	2.23	(56.5)	1.05	(26.7)
7.27	(184.5)	151	2.27	(57.5)	1.01	(25.7)
7.19	(182.5)	154	2.31	(58.5)	0.97	(24.6)
7.11	(180.5)	157	2.35	(59.5)	0.93	(23.6)
7.03	(178.5)	160	2.39	(60.5)	0.89	(22.6)
6.95	(176.5)	163	2.43	(61.5)	0.85	(21.6)

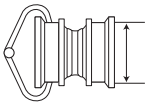
Flange diameter is 11.81" (300 mm)

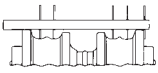
Undercarriage Code: 193, 194

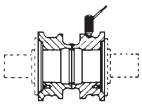
D9L, 589 — 9.00" (228.6 mm)

Track Rollers

Double Flange







Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
10.23	(260.0)	0	0.78	(20.0)	2.49	(63.2)
10.15	(258.0)	6	0.82	(21.0)	2.45	(62.2)
10.07	(256.0)	12	0.86	(22.0)	2.41	(61.2)
9.99	(253.5)	18	0.90	(23.0)	2.37	(60.2)
9.91	(251.5)	24	0.94	(24.0)	2.33	(59.2)
9.83	(249.5)	30	0.98	(25.0)	2.29	(58.2)
9.75	(247.5)	36	1.02	(26.0)	2.25	(57.2)
9.67	(245.5)	42	1.06	(27.0)	2.21	(56.1)
9.59	(243.5)	48	1.10	(28.0)	2.17	(55.1)
9.51	(241.5)	52	1.14	(29.0)	2.13	(54.1)
9.43	(239.5)	56	1.18	(30.0)	2.09	(53.1)
9.35	(237.5)	60	1.22	(31.0)	2.05	(52.1)
9.27	(235.5)	64	1.26	(32.0)	2.01	(51.1)
9.19	(233.5)	68	1.30	(33.0)	1.97	(50.0)
9.11	(231.5)	72	1.34	(34.0)	1.93	(49.0)
9.03	(229.5)	76	1.38	(35.0)	1.89	(48.0)
8.95	(227.5)	80	1.42	(36.0)	1.85	(47.0)
8.87	(225.5)	84	1.46	(37.0)	1.81	(46.0)
8.79	(223.5)	88	1.50	(38.0)	1.77	(45.0)
8.71	(221.0)	92	1.54	(39.0)	1.73	(43.9)
8.63	(219.0)	96	1.58	(40.0)	1.69	(42.9)
8.55	(217.0)	100	1.62	(41.0)	1.65	(41.9)
8.47	(215.0)	104	1.66	(42.0)	1.61	(40.9)
8.39	(213.0)	108	1.70	(43.0)	1.57	(39.9)
8.31	(211.0)	112	1.74	(44.0)	1.53	(38.9)
8.23	(209.0)	116	1.78	(45.0)	1.49	(37.8)
8.15	(207.0)	120	1.82	(46.0)	1.45	(36.8)
8.07	(205.0)	124	1.86	(47.0)	1.41	(35.8)
7.99	(203.0)	128	1.90	(48.5)	1.37	(34.8)
7.91	(201.0)	132	1.94	(49.5)	1.33	(33.8)
7.83	(199.0)	136	1.98	(50.5)	1.29	(32.8)
7.75	(197.0)	140	2.02	(51.5)	1.25	(31.8)
7.67	(195.0)	144	2.06	(52.5)	1.21	(30.7)
7.59	(193.0)	148	2.10	(53.5)	1.17	(29.7)
7.51	(191.0)	152	2.14	(54.5)	1.13	(28.7)
7.43	(188.5)	156	2.18	(55.5)	1.09	(27.7)
7.35	(186.5)	160	2.22	(56.5)	1.05	(26.7)
7.27	(184.5)	164	2.26	(57.5)	1.01	(25.7)
7.19	(182.5)	168	2.30	(58.5)	0.97	(24.6)
7.11	(180.5)	172	2.34	(59.5)	0.93	(23.6)
7.03	(178.5)	176	2.38	(60.5)	0.89	(22.6)
6.95	(176.5)	180	2.42	(61.5)	0.85	(21.6)

Flange diameter is 11.81" (300 mm)

Undercarriage Code: 193, 194

Sprockets



Tape Measure Inches	(mm)	% Worn
9.85	(250.0)	0
9.80	(249.0)	7
9.75	(247.5)	14
9.70	(246.5)	21
9.65	(245.0)	28
9.60	(244.0)	35
9.55	(242.5)	42
9.50	(241.5)	49
9.45	(240.0)	55
9.40	(239.0)	60
9.35	(237.5)	65
9.30	(236.0)	70
9.25	(235.0)	75
9.20	(233.5)	80
9.15	(232.5)	85
9.10	(231.0)	90
9.05	(230.0)	95
9.00	(228.5)	100
8.95	(227.5)	105
8.90	(226.0)	110
8.85	(225.0)	115
8.80	(223.5)	120

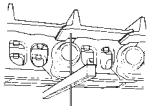
NOTE: Measure across 3 teeth

Undercarriage Code: 193, 194

D10N, D10R — 10.25" (260.4 mm)

Track Links

9W5265 & 66
7T0715 & 16

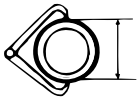


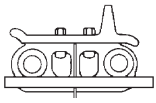


Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
7.12	(181.0)	0	0	2.36	(59.9)
7.10	(180.5)	5	4	2.34	(59.4)
7.08	(180.0)	10	8	2.32	(58.9)
7.06	(179.5)	15	12	2.30	(58.4)
7.04	(179.0)	20	16	2.28	(57.9)
7.02	(178.5)	25	20	2.26	(57.4)
7.00	(178.0)	30	24	2.24	(56.9)
6.98	(177.5)	35	28	2.22	(56.4)
6.96	(177.0)	40	32	2.20	(55.9)
6.94	(176.5)	45	36	2.18	(55.4)
6.92	(176.0)	50	40	2.16	(54.9)
6.90	(175.5)	55	44	2.14	(54.4)
6.88	(175.0)	60	48	2.12	(53.8)
6.86	(174.0)	64	52	2.10	(53.3)
6.84	(173.5)	68	55	2.08	(52.8)
6.82	(173.0)	71	58	2.06	(52.3)
6.80	(172.5)	74	60	2.04	(51.8)
6.78	(172.0)	77	63	2.02	(51.3)
6.76	(171.5)	81	65	2.00	(50.8)
6.74	(171.0)	84	68	1.98	(50.3)
6.72	(170.5)	87	70	1.96	(49.8)
6.70	(170.0)	90	73	1.94	(49.3)
6.68	(169.5)	94	75	1.92	(48.8)
6.66	(169.0)	97	78	1.90	(48.3)
6.64	(168.5)	100	80	1.88	(47.8)
6.62	(168.0)	103	83	1.86	(47.2)
6.60	(167.5)	107	85	1.84	(46.7)
6.58	(167.0)	110	88	1.82	(46.2)
6.56	(166.5)	113	90	1.80	(45.7)
6.54	(166.0)	116	93	1.78	(45.2)
6.52	(165.5)	120	95	1.76	(44.7)
6.50	(165.0)		98	1.74	(44.2)
6.48	(164.5)		100	1.72	(43.7)
6.46	(164.0)		103	1.70	(43.2)
6.44	(163.5)		105	1.68	(42.7)
6.42	(163.0)		108	1.66	(42.2)
6.40	(162.5)		110	1.64	(41.7)
6.38	(162.0)		113	1.62	(41.1)
6.36	(161.5)		115	1.60	(40.6)
6.34	(161.0)		118	1.58	(40.1)
6.32	(160.5)		120	1.56	(39.6)

Undercarriage Code: 208, 209

Bushings for Sealed & Lubricated Track





Caliper		Allowable Wear		Ultrasonic		Depth Gauge	
		Lesser	Greater				
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
3.74	(95.0)	0	0	0.72	(18.3)	4.86	(123.5)
3.73	(94.7)	5	4	0.71	(18.0)	4.85	(123.2)
3.72	(94.5)	10	8	0.70	(17.8)	4.84	(123.0)
3.71	(94.2)	15	12	0.69	(17.5)	4.83	(122.7)
3.70	(94.0)	20	16	0.68	(17.3)	4.82	(122.5)
3.69	(93.7)	25	20	0.67	(17.0)	4.81	(122.2)
3.68	(93.5)	30	24	0.66	(16.8)	4.80	(122.0)
3.67	(93.2)	35	28	0.65	(16.5)	4.79	(121.7)
3.66	(93.0)	40	32	0.64	(16.3)	4.78	(121.5)
3.65	(92.7)	45	36	0.63	(16.0)	4.77	(121.2)
3.64	(92.5)	50	40	0.62	(15.7)	4.76	(121.0)
3.63	(92.2)	55	44	0.61	(15.5)	4.75	(120.7)
3.62	(92.0)	60	46	0.60	(15.2)	4.74	(120.5)
3.61	(91.7)	65	48	0.59	(15.0)	4.73	(120.2)
3.60	(91.4)	70	50	0.58	(14.7)	4.72	(119.9)
3.59	(91.2)	72	52	0.57	(14.5)	4.71	(119.7)
3.58	(90.9)	74	54	0.56	(14.2)	4.70	(119.4)
3.57	(90.7)	76	56	0.55	(14.0)	4.69	(119.2)
3.56	(90.4)	78	58	0.54	(13.7)	4.68	(118.9)
3.55	(90.2)	80	60	0.53	(13.5)	4.67	(118.7)
3.54	(89.9)	82	62	0.52	(13.2)	4.66	(118.4)
3.53	(89.7)	84	64	0.51	(13.0)	4.65	(118.2)
3.52	(89.4)	86	66	0.50	(12.7)	4.64	(117.9)
3.51	(89.2)	88	68	0.49	(12.4)	4.63	(117.7)
3.50	(88.9)	90	70	0.48	(12.2)	4.62	(117.4)
3.49	(88.7)	92	72	0.47	(11.9)	4.61	(117.2)
3.48	(88.4)	94	74	0.46	(11.7)	4.60	(116.9)
3.47	(88.1)	96	76	0.45	(11.4)	4.59	(116.6)
3.46	(87.9)	98	78	0.44	(11.2)	4.58	(116.4)
3.45	(87.6)	100	80	0.43	(10.9)	4.57	(116.1)
3.44	(87.4)	102	82	0.42	(10.7)	4.56	(115.9)
3.43	(87.1)	104	84	0.41	(10.4)	4.55	(115.6)
3.42	(86.9)	106	86	0.40	(10.2)	4.54	(115.4)
3.41	(86.6)	108	88	0.39	(9.9)	4.53	(115.1)
3.40	(86.4)	110	90	0.38	(9.7)	4.52	(114.9)
3.39	(86.1)	112	92	0.37	(9.4)	4.51	(114.6)
3.38	(85.9)	114	94	0.36	(9.1)	4.50	(114.4)
3.37	(85.6)	116	96	0.35	(8.9)	4.49	(114.1)
3.36	(85.3)	118	98	0.34	(8.6)	4.48	(113.8)
3.35	(85.1)	120	100	0.33	(8.4)	4.47	(113.6)
3.34	(84.8)		102	0.32	(8.1)	4.46	(113.3)
3.33	(84.6)		104	0.31	(7.9)	4.45	(113.1)
3.32	(84.3)		106	0.30	(7.6)	4.44	(112.8)
3.31	(84.1)		108	0.29	(7.4)	4.43	(112.6)
3.30	(83.8)		110	0.28	(7.1)	4.42	(112.3)
3.29	(83.6)		112	0.27	(6.9)	4.41	(112.1)
3.28	(83.3)		114	0.26	(6.6)	4.40	(111.8)
3.27	(83.1)		116	0.25	(6.3)	4.39	(111.6)
3.26	(82.8)		118	0.24	(6.1)	4.38	(111.3)
3.25	(82.6)		120	0.23	(5.8)	4.37	(111.1)

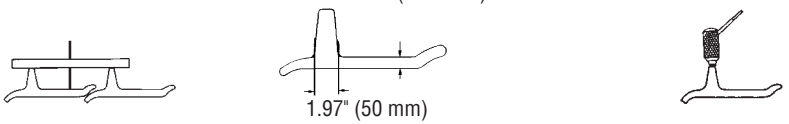
NOTE: DO NOT USE DEPTH GAUGE UNTIL BUSHINGS HAVE BEEN "TURNED."

Undercarriage Code: 208, 209

D10N, D10R — 10.25" (260.4 mm)

Track Shoes

Super Extreme Service

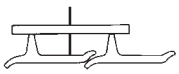


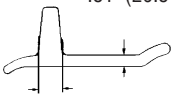
Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
4.00	(101.5)	0	0	4.85	(123.2)
3.90	(99.0)	4	4	4.75	(120.7)
3.80	(96.5)	8	8	4.65	(118.1)
3.70	(94.0)	12	12	4.55	(115.6)
3.60	(91.5)	16	16	4.45	(113.0)
3.50	(89.0)	20	20	4.35	(110.5)
3.40	(86.5)	24	24	4.25	(108.0)
3.30	(84.0)	28	28	4.15	(105.4)
3.20	(81.5)	32	32	4.05	(102.9)
3.10	(78.5)	36	36	3.95	(100.3)
3.00	(76.0)	40	40	3.85	(97.8)
2.90	(73.5)	44	43	3.75	(95.3)
2.80	(71.0)	48	46	3.65	(92.7)
2.70	(68.5)	52	49	3.55	(90.2)
2.60	(66.0)	56	52	3.45	(87.6)
2.50	(63.5)	60	55	3.35	(85.1)
2.40	(61.0)	64	58	3.25	(82.6)
2.30	(58.5)	68	61	3.15	(80.0)
2.20	(56.0)	72	64	3.05	(77.5)
2.10	(53.5)	76	67	2.95	(74.9)
2.00	(51.0)	80	70	2.85	(72.4)
1.90	(48.5)	84	73	2.75	(69.9)
1.80	(45.5)	88	76	2.65	(67.3)
1.70	(43.0)	92	79	2.55	(64.8)
1.60	(40.5)	96	82	2.45	(62.2)
1.50	(38.0)	100	85	2.35	(59.7)
1.40	(35.5)	104	88	2.25	(57.2)
1.30	(33.0)	108	91	2.15	(54.6)
1.20	(30.5)	112	94	2.05	(52.1)
1.10	(28.0)	116	97	1.95	(49.5)
1.00	(25.5)	120	100	1.85	(47.0)
0.90	(23.0)		103	1.75	(44.5)
0.80	(20.5)		106	1.65	(41.9)
0.70	(18.0)		109	1.55	(39.4)
0.60	(15.0)		112	1.45	(36.8)
0.50	(12.5)		115	1.35	(34.3)
0.40	(10.0)		118	1.25	(31.8)
0.30	(7.5)		121	1.15	(29.2)

Undercarriage Code: 208, 209

Track Shoes

Extreme Service





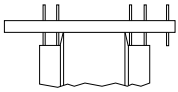


Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
3.70	(94.0)	0	0	4.50	(114.3)
3.60	(91.5)	5	4	4.40	(111.8)
3.50	(89.0)	10	8	4.30	(109.2)
3.40	(86.5)	15	12	4.20	(106.7)
3.30	(84.0)	20	16	4.10	(104.1)
3.20	(81.5)	25	20	4.00	(101.6)
3.10	(78.5)	30	24	3.90	(99.1)
3.00	(76.0)	35	28	3.80	(96.5)
2.90	(73.5)	40	32	3.70	(94.0)
2.80	(71.0)	45	36	3.60	(91.4)
2.70	(68.5)	50	40	3.50	(88.9)
2.60	(66.0)	55	44	3.40	(86.4)
2.50	(63.5)	60	48	3.30	(83.8)
2.40	(61.0)	64	52	3.20	(81.3)
2.30	(58.5)	68	56	3.10	(78.7)
2.20	(56.0)	72	60	3.00	(76.2)
2.10	(53.5)	76	64	2.90	(73.7)
2.00	(51.0)	80	68	2.80	(71.1)
1.90	(48.5)	84	72	2.70	(68.6)
1.80	(45.5)	88	76	2.60	(66.0)
1.70	(43.0)	92	79	2.50	(63.5)
1.60	(40.5)	96	82	2.40	(61.0)
1.50	(38.0)	100	85	2.30	(58.4)
1.40	(35.5)	104	88	2.20	(55.9)
1.30	(33.0)	108	91	2.10	(53.3)
1.20	(30.5)	112	94	2.00	(50.8)
1.10	(28.0)	116	97	1.90	(48.3)
1.00	(25.5)	120	100	1.80	(45.7)
0.90	(23.0)		103	1.70	(43.2)
0.80	(20.5)		106	1.60	(40.6)
0.70	(18.0)		109	1.50	(38.1)
0.60	(15.0)		112	1.40	(35.6)
0.50	(12.5)		115	1.30	(33.0)
0.40	(10.0)		118	1.20	(30.5)
0.30	(7.5)		121	1.10	(27.9)

Undercarriage Code: 208, 209

D10N, D10R — 10.25" (260.4 mm)

Idlers



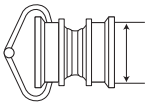
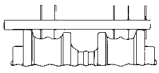
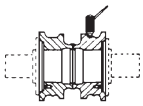
Depth Gauge Inches	(mm)	% Worn
0.78	(20.0)	0
0.80	(20.5)	4
0.82	(21.0)	8
0.84	(21.5)	12
0.86	(22.0)	16
0.88	(22.5)	20
0.90	(23.0)	24
0.92	(23.5)	28
0.94	(24.0)	32
0.96	(24.5)	36
0.98	(25.0)	40
1.00	(25.5)	44
1.02	(26.0)	48
1.04	(26.5)	52
1.06	(27.0)	56
1.08	(27.5)	60
1.10	(28.0)	64
1.12	(28.5)	68
1.14	(29.0)	72
1.16	(29.5)	74
1.18	(30.0)	76
1.20	(30.5)	78
1.22	(31.0)	80
1.24	(31.5)	82
1.26	(32.0)	84
1.28	(32.5)	86
1.30	(33.0)	88
1.32	(33.5)	90
1.34	(34.0)	92
1.36	(34.5)	94
1.38	(35.0)	96
1.40	(35.5)	98
1.42	(36.0)	100
1.44	(36.5)	102
1.46	(37.0)	104
1.48	(37.5)	106
1.50	(38.0)	108
1.52	(38.5)	110
1.54	(39.0)	112
1.56	(39.5)	114
1.58	(40.0)	116
1.60	(40.5)	118
1.62	(41.0)	120

NOTE: Flange width: 5.24" (133 mm)

Undercarriage Code: 208, 209

Track Rollers

Single Flange

Caliper Inches	Caliper (mm)	% Worn	Depth Gauge Inches	Depth Gauge (mm)	Ultrasonic Inches	Ultrasonic (mm)
10.94	(278.0)	0	0.67	(17.0)	2.85	(72.4)
10.84	(275.5)	5	0.72	(18.5)	2.80	(71.1)
10.74	(273.0)	10	0.77	(19.5)	2.75	(69.9)
10.64	(270.5)	15	0.82	(21.0)	2.70	(68.6)
10.54	(267.5)	20	0.87	(22.0)	2.65	(67.3)
10.44	(265.0)	25	0.92	(23.5)	2.60	(66.0)
10.34	(262.5)	30	0.97	(24.5)	2.55	(64.8)
10.24	(260.0)	35	1.02	(26.0)	2.50	(63.5)
10.14	(257.5)	40	1.07	(27.0)	2.45	(62.2)
10.04	(255.0)	43	1.12	(28.5)	2.40	(61.0)
9.94	(252.5)	46	1.17	(29.5)	2.35	(59.7)
9.84	(250.0)	49	1.22	(31.0)	2.30	(58.4)
9.74	(247.5)	52	1.27	(32.5)	2.25	(57.2)
9.64	(245.0)	55	1.32	(33.5)	2.20	(55.9)
9.54	(242.5)	58	1.37	(35.0)	2.15	(54.6)
9.44	(240.0)	61	1.42	(36.0)	2.10	(53.3)
9.34	(237.0)	64	1.47	(37.5)	2.05	(52.1)
9.24	(234.5)	67	1.52	(38.5)	2.00	(50.8)
9.14	(232.0)	70	1.57	(40.0)	1.95	(49.5)
9.04	(229.5)	73	1.62	(41.0)	1.90	(48.3)
8.94	(227.0)	76	1.67	(42.5)	1.85	(47.0)
8.84	(224.5)	79	1.72	(43.5)	1.80	(45.7)
8.74	(222.0)	82	1.77	(45.0)	1.75	(44.5)
8.64	(219.5)	85	1.82	(46.0)	1.70	(43.2)
8.54	(217.0)	88	1.87	(47.5)	1.65	(41.9)
8.44	(214.5)	91	1.92	(49.0)	1.60	(40.6)
8.34	(212.0)	94	1.97	(50.0)	1.55	(39.4)
8.24	(209.5)	97	2.02	(51.5)	1.50	(38.1)
8.14	(207.0)	100	2.07	(52.5)	1.45	(36.8)
8.04	(204.0)	103	2.12	(54.0)	1.40	(35.6)
7.94	(201.5)	106	2.17	(55.0)	1.35	(34.3)
7.84	(199.0)	109	2.22	(56.5)	1.30	(33.0)
7.74	(196.5)	112	2.27	(57.5)	1.25	(31.8)
7.64	(194.0)	115	2.32	(59.0)	1.20	(30.5)
7.54	(191.5)	118	2.37	(60.0)	1.15	(29.2)
7.44	(189.0)	121	2.42	(61.5)	1.10	(27.9)
7.34	(186.5)	124	2.47	(62.5)	1.05	(26.7)
7.24	(184.0)	127	2.52	(64.0)	1.00	(25.4)
7.14	(181.5)	130	2.57	(65.5)	0.95	(24.1)
7.04	(179.0)	133	2.62	(66.5)	0.90	(22.9)
6.94	(176.5)	136	2.67	(68.0)	0.85	(21.6)

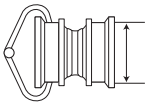
Flange diameter is 12.28" (312 mm)

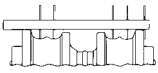
Undercarriage Code: 208, 209

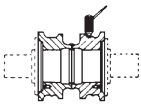
D10N, D10R — 10.25" (260.4 mm)

Track Rollers

Double Flange







Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
10.55	(268.0)	0	0.86	(22.0)	2.65	(67.3)
10.45	(265.5)	5	0.91	(23.0)	2.60	(66.0)
10.35	(263.0)	10	0.96	(24.5)	2.55	(64.8)
10.25	(260.5)	15	1.01	(25.5)	2.50	(63.5)
10.15	(258.0)	20	1.06	(27.0)	2.45	(62.2)
10.05	(255.5)	25	1.11	(28.0)	2.40	(61.0)
9.95	(252.5)	30	1.16	(29.5)	2.35	(59.7)
9.85	(250.0)	35	1.21	(30.5)	2.30	(58.4)
9.75	(247.5)	40	1.26	(32.0)	2.25	(57.2)
9.65	(245.0)	45	1.31	(33.5)	2.20	(55.9)
9.55	(242.5)	50	1.36	(34.5)	2.15	(54.6)
9.45	(240.0)	55	1.41	(36.0)	2.10	(53.3)
9.35	(237.5)	60	1.46	(37.0)	2.05	(52.1)
9.25	(235.0)	65	1.51	(38.5)	2.00	(50.8)
9.15	(232.5)	70	1.56	(39.5)	1.95	(49.5)
9.05	(230.0)	73	1.61	(41.0)	1.90	(48.3)
8.95	(227.5)	76	1.66	(42.0)	1.85	(47.0)
8.85	(225.0)	79	1.71	(43.5)	1.80	(45.7)
8.75	(222.5)	82	1.76	(44.5)	1.75	(44.5)
8.65	(219.5)	85	1.81	(46.0)	1.70	(43.2)
8.55	(217.0)	88	1.86	(47.0)	1.65	(41.9)
8.45	(214.5)	91	1.91	(48.5)	1.60	(40.6)
8.35	(212.0)	94	1.96	(50.0)	1.55	(39.4)
8.25	(209.5)	97	2.01	(51.0)	1.50	(38.1)
8.15	(207.0)	100	2.06	(52.5)	1.45	(36.8)
8.05	(204.5)	103	2.11	(53.5)	1.40	(35.6)
7.95	(202.0)	106	2.16	(55.0)	1.35	(34.3)
7.85	(199.5)	109	2.21	(56.0)	1.30	(33.0)
7.75	(197.0)	112	2.26	(57.5)	1.25	(31.8)
7.65	(194.5)	115	2.31	(58.5)	1.20	(30.5)
7.55	(192.0)	118	2.36	(60.0)	1.15	(29.2)
7.45	(189.0)	121	2.41	(61.0)	1.10	(27.9)
7.35	(186.5)	124	2.46	(62.5)	1.05	(26.7)
7.25	(184.0)	127	2.51	(64.0)	1.00	(25.4)
7.15	(181.5)	130	2.56	(65.0)	0.95	(24.1)
7.05	(179.0)	133	2.61	(66.5)	0.90	(22.9)
6.95	(176.5)	136	2.66	(67.5)	0.85	(21.6)

Flange diameter is 12.28" (312 mm)

Undercarriage Code: 208, 209

Sprockets



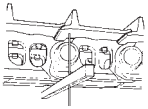
Tape Measure Inches	(mm)	% Worn
11.30	(287.0)	0
11.25	(286.0)	5
11.20	(284.5)	10
11.15	(283.0)	15
11.10	(282.0)	20
11.05	(280.5)	25
11.00	(279.5)	30
10.95	(278.0)	35
10.90	(277.0)	40
10.85	(275.5)	45
10.80	(274.5)	50
10.75	(273.0)	55
10.70	(272.0)	60
10.65	(270.5)	65
10.60	(269.0)	70
10.55	(268.0)	75
10.50	(266.5)	80
10.45	(265.5)	84
10.40	(264.0)	88
10.35	(263.0)	92
10.30	(261.5)	96
10.25	(260.5)	100
10.20	(259.0)	104
10.15	(258.0)	108
10.10	(256.5)	112
10.05	(255.5)	116
10.00	(254.0)	120

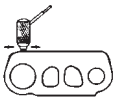
NOTE: Measure across 3 teeth

D10 — 10.25" (260.4 mm)

Track Links

9W5723 & 24
9W5933 & 34

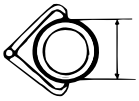


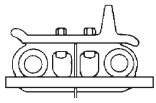


Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
7.12	(181.0)	0	0	1.92	(48.8)
7.10	(180.5)	5	4	1.90	(48.3)
7.08	(180.0)	10	8	1.88	(47.8)
7.06	(179.5)	15	12	1.86	(47.2)
7.04	(179.0)	20	16	1.84	(46.7)
7.02	(178.5)	25	20	1.82	(46.2)
7.00	(178.0)	30	24	1.80	(45.7)
6.98	(177.5)	35	28	1.78	(45.2)
6.96	(177.0)	40	32	1.76	(44.7)
6.94	(176.5)	45	36	1.74	(44.2)
6.92	(176.0)	50	40	1.72	(43.7)
6.90	(175.5)	55	44	1.70	(43.2)
6.88	(175.0)	60	48	1.68	(42.7)
6.86	(174.0)	64	52	1.66	(42.2)
6.84	(173.5)	68	55	1.64	(41.7)
6.82	(173.0)	71	58	1.62	(41.1)
6.80	(172.5)	74	60	1.60	(40.6)
6.78	(172.0)	77	63	1.58	(40.1)
6.76	(171.5)	81	65	1.56	(39.6)
6.74	(171.0)	84	68	1.54	(39.1)
6.72	(170.5)	87	70	1.52	(38.6)
6.70	(170.0)	90	73	1.50	(38.1)
6.68	(169.5)	94	75	1.48	(37.6)
6.66	(169.0)	97	78	1.46	(37.1)
6.64	(168.5)	100	80	1.44	(36.6)
6.62	(168.0)	103	83	1.42	(36.1)
6.60	(167.5)	107	85	1.40	(35.6)
6.58	(167.0)	110	88	1.38	(35.1)
6.56	(166.5)	113	90	1.36	(34.5)
6.54	(166.0)	116	93	1.34	(34.0)
6.52	(165.5)	120	95	1.32	(33.5)
6.50	(165.0)		98	1.30	(33.0)
6.48	(164.5)		100	1.28	(32.5)
6.46	(164.0)		103	1.26	(32.0)
6.44	(163.5)		105	1.24	(31.5)
6.42	(163.0)		108	1.22	(31.0)
6.40	(162.5)		110	1.20	(30.5)
6.38	(162.0)		113	1.18	(30.0)
6.36	(161.5)		115	1.16	(29.5)
6.34	(161.0)		118	1.14	(29.0)
6.32	(160.5)		120	1.12	(28.4)

Undercarriage Code: 207

Bushings for Sealed & Lubricated Track





Caliper		Allowable Wear		Ultrasonic		Depth Gauge	
		Lesser	Greater				
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
3.81	(96.8)	0	0	0.76	(19.3)	5.21	(132.4)
3.80	(96.5)	5	4	0.75	(19.1)	5.20	(132.1)
3.79	(96.3)	10	8	0.74	(18.8)	5.19	(131.9)
3.78	(96.0)	15	12	0.73	(18.5)	5.18	(131.6)
3.77	(95.8)	20	16	0.72	(18.3)	5.17	(131.4)
3.76	(95.5)	25	20	0.71	(18.0)	5.16	(131.1)
3.75	(95.3)	30	24	0.70	(17.8)	5.15	(130.9)
3.74	(95.0)	35	28	0.69	(17.5)	5.14	(130.6)
3.73	(94.7)	40	32	0.68	(17.3)	5.13	(130.3)
3.72	(94.5)	45	36	0.67	(17.0)	5.12	(130.1)
3.71	(94.2)	50	40	0.66	(16.8)	5.11	(129.8)
3.70	(94.0)	55	42	0.65	(16.5)	5.10	(129.6)
3.69	(93.7)	60	44	0.64	(16.3)	5.09	(129.3)
3.68	(93.5)	65	46	0.63	(16.0)	5.08	(129.1)
3.67	(93.2)	68	48	0.62	(15.7)	5.07	(128.8)
3.66	(93.0)	70	50	0.61	(15.5)	5.06	(128.6)
3.65	(92.7)	72	52	0.60	(15.2)	5.05	(128.3)
3.64	(92.5)	74	54	0.59	(15.0)	5.04	(128.1)
3.63	(92.2)	76	56	0.58	(14.7)	5.03	(127.8)
3.62	(91.9)	78	58	0.57	(14.5)	5.02	(127.5)
3.61	(91.7)	80	60	0.56	(14.2)	5.01	(127.3)
3.60	(91.4)	82	62	0.55	(14.0)	5.00	(127.0)
3.59	(91.2)	84	64	0.54	(13.7)	4.99	(126.8)
3.58	(90.9)	86	66	0.53	(13.5)	4.98	(126.5)
3.57	(90.7)	88	68	0.52	(13.2)	4.97	(126.3)
3.56	(90.4)	90	70	0.51	(13.0)	4.96	(126.0)
3.55	(90.2)	92	72	0.50	(12.7)	4.95	(125.8)
3.54	(89.9)	94	74	0.49	(12.4)	4.94	(125.5)
3.53	(89.7)	96	76	0.48	(12.2)	4.93	(125.3)
3.52	(89.4)	98	78	0.47	(11.9)	4.92	(125.0)
3.51	(89.2)	100	80	0.46	(11.7)	4.91	(124.8)
3.50	(88.9)	102	82	0.45	(11.4)	4.90	(124.5)
3.49	(88.6)	104	84	0.44	(11.2)	4.89	(124.2)
3.48	(88.4)	106	86	0.43	(10.9)	4.88	(124.0)
3.47	(88.1)	108	88	0.42	(10.7)	4.87	(123.7)
3.46	(87.9)	110	90	0.41	(10.4)	4.86	(123.5)
3.45	(87.6)	112	92	0.40	(10.2)	4.85	(123.2)
3.44	(87.4)	114	94	0.39	(9.9)	4.84	(123.0)
3.43	(87.1)	116	96	0.38	(9.7)	4.83	(122.7)
3.42	(86.9)	118	98	0.37	(9.4)	4.82	(122.5)
3.41	(86.6)	120	100	0.36	(9.1)	4.81	(122.2)
3.40	(86.4)		102	0.35	(8.9)	4.80	(122.0)
3.39	(86.1)		104	0.34	(8.6)	4.79	(121.7)
3.38	(85.9)		106	0.33	(8.4)	4.78	(121.5)
3.37	(85.6)		108	0.32	(8.1)	4.77	(121.2)
3.36	(85.3)		110	0.31	(7.9)	4.76	(120.9)
3.35	(85.1)		112	0.30	(7.6)	4.75	(120.7)
3.34	(84.8)		114	0.29	(7.4)	4.74	(120.4)
3.33	(84.6)		116	0.28	(7.1)	4.73	(120.2)
3.32	(84.3)		118	0.27	(6.9)	4.72	(119.9)
3.31	(84.1)		120	0.26	(6.6)	4.71	(119.7)

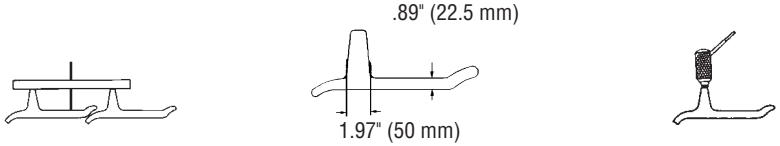
NOTE: DO NOT USE DEPTH GAUGE UNTIL BUSHINGS HAVE BEEN "TURNED."

Undercarriage Code: 207

D10 — 10.25" (260.4 mm)

Track Shoes

Extreme Service

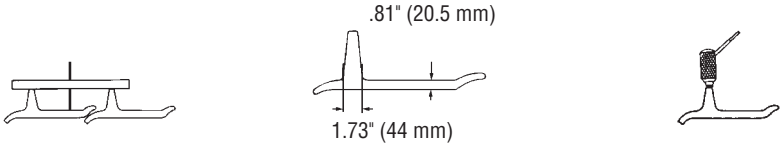


Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
4.00	(101.5)	0	0	4.85	(123.2)
3.90	(99.0)	4	4	4.75	(120.7)
3.80	(96.5)	8	8	4.65	(118.1)
3.70	(94.0)	12	12	4.55	(115.6)
3.60	(91.5)	16	16	4.45	(113.0)
3.50	(89.0)	20	20	4.35	(110.5)
3.40	(86.5)	24	24	4.25	(108.0)
3.30	(84.0)	28	28	4.15	(105.4)
3.20	(81.5)	32	32	4.05	(102.9)
3.10	(78.5)	36	36	3.95	(100.3)
3.00	(76.0)	40	40	3.85	(97.8)
2.90	(73.5)	44	43	3.75	(95.3)
2.80	(71.0)	48	46	3.65	(92.7)
2.70	(68.5)	52	49	3.55	(90.2)
2.60	(66.0)	56	52	3.45	(87.6)
2.50	(63.5)	60	55	3.35	(85.1)
2.40	(61.0)	64	58	3.25	(82.6)
2.30	(58.5)	68	61	3.15	(80.0)
2.20	(56.0)	72	64	3.05	(77.5)
2.10	(53.5)	76	67	2.95	(74.9)
2.00	(51.0)	80	70	2.85	(72.4)
1.90	(48.5)	84	73	2.75	(69.9)
1.80	(45.5)	88	76	2.65	(67.3)
1.70	(43.0)	92	79	2.55	(64.8)
1.60	(40.5)	96	82	2.45	(62.2)
1.50	(38.0)	100	85	2.35	(59.7)
1.40	(35.5)	104	88	2.25	(57.2)
1.30	(33.0)	108	91	2.15	(54.6)
1.20	(30.5)	112	94	2.05	(52.1)
1.10	(28.0)	116	97	1.95	(49.5)
1.00	(25.5)	120	100	1.85	(47.0)
0.90	(23.0)		103	1.75	(44.5)
0.80	(20.5)		106	1.65	(41.9)
0.70	(18.0)		109	1.55	(39.4)
0.60	(15.0)		112	1.45	(36.8)
0.50	(12.5)		115	1.35	(34.3)
0.40	(10.0)		118	1.25	(31.8)
0.30	(7.5)		121	1.15	(29.2)

Undercarriage Code: 207

Track Shoes

Moderate Service

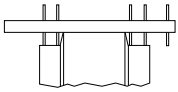


Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
3.70	(94.0)	0	0	4.50	(114.3)
3.60	(91.5)	5	4	4.40	(111.8)
3.50	(89.0)	10	8	4.30	(109.2)
3.40	(86.5)	15	12	4.20	(106.7)
3.30	(84.0)	20	16	4.10	(104.1)
3.20	(81.5)	25	20	4.00	(101.6)
3.10	(78.5)	30	24	3.90	(99.1)
3.00	(76.0)	35	28	3.80	(96.5)
2.90	(73.5)	40	32	3.70	(94.0)
2.80	(71.0)	45	36	3.60	(91.4)
2.70	(68.5)	50	40	3.50	(88.9)
2.60	(66.0)	55	44	3.40	(86.4)
2.50	(63.5)	60	48	3.30	(83.8)
2.40	(61.0)	64	52	3.20	(81.3)
2.30	(58.5)	68	56	3.10	(78.7)
2.20	(56.0)	72	60	3.00	(76.2)
2.10	(53.5)	76	64	2.90	(73.7)
2.00	(51.0)	80	68	2.80	(71.1)
1.90	(48.5)	84	72	2.70	(68.6)
1.80	(45.5)	88	76	2.60	(66.0)
1.70	(43.0)	92	79	2.50	(63.5)
1.60	(40.5)	96	82	2.40	(61.0)
1.50	(38.0)	100	85	2.30	(58.4)
1.40	(35.5)	104	88	2.20	(55.9)
1.30	(33.0)	108	91	2.10	(53.3)
1.20	(30.5)	112	94	2.00	(50.8)
1.10	(28.0)	116	97	1.90	(48.3)
1.00	(25.5)	120	100	1.80	(45.7)
0.90	(23.0)		103	1.70	(43.2)
0.80	(20.5)		106	1.60	(40.6)
0.70	(18.0)		109	1.50	(38.1)
0.60	(15.0)		112	1.40	(35.6)
0.50	(12.5)		115	1.30	(33.0)
0.40	(10.0)		118	1.20	(30.5)
0.30	(7.5)		121	1.10	(27.9)

Undercarriage Code: 207

D10 — 10.25" (260.4 mm)

Idlers



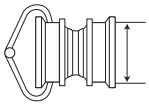
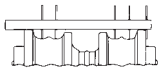
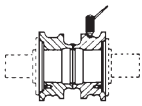
Depth Gauge Inches	(mm)	% Worn
0.78	(20.0)	0
0.80	(20.5)	5
0.82	(21.0)	10
0.84	(21.5)	15
0.86	(22.0)	20
0.88	(22.5)	25
0.90	(23.0)	30
0.92	(23.5)	35
0.94	(24.0)	40
0.96	(24.5)	45
0.98	(25.0)	50
1.00	(25.5)	55
1.02	(26.0)	58
1.04	(26.5)	60
1.06	(27.0)	62
1.08	(27.5)	64
1.10	(28.0)	66
1.12	(28.5)	68
1.14	(29.0)	70
1.16	(29.5)	72
1.18	(30.0)	74
1.20	(30.5)	76
1.22	(31.0)	78
1.24	(31.5)	80
1.26	(32.0)	82
1.28	(32.5)	84
1.30	(33.0)	86
1.32	(33.5)	88
1.34	(34.0)	90
1.36	(34.5)	92
1.38	(35.0)	94
1.40	(35.5)	96
1.42	(36.0)	98
1.44	(36.5)	100
1.46	(37.0)	102
1.48	(37.5)	104
1.50	(38.0)	106
1.52	(38.5)	108
1.54	(39.0)	110
1.56	(39.5)	112
1.58	(40.0)	114
1.60	(40.5)	116
1.62	(41.0)	118
1.64	(41.5)	120

Flange width: 5.04" (128 mm)

Undercarriage Code: 207

Track Rollers

Single Flange

Caliper Inches	Caliper (mm)	% Worn	Depth Gauge Inches	Depth Gauge (mm)	Ultrasonic Inches	Ultrasonic (mm)
11.30	(287.0)	0	0.53	(13.5)	2.83	(71.9)
11.22	(285.0)	5	0.57	(14.5)	2.79	(70.9)
11.14	(283.0)	10	0.61	(15.5)	2.75	(69.9)
11.06	(281.0)	15	0.65	(16.5)	2.71	(68.8)
10.98	(279.0)	20	0.69	(17.5)	2.67	(67.8)
10.90	(277.0)	25	0.73	(18.5)	2.63	(66.8)
10.82	(275.0)	30	0.77	(19.5)	2.59	(65.8)
10.74	(273.0)	35	0.81	(20.5)	2.55	(64.8)
10.66	(271.0)	40	0.85	(21.5)	2.51	(63.8)
10.58	(268.5)	45	0.89	(22.5)	2.47	(62.7)
10.50	(266.5)	50	0.93	(23.5)	2.43	(61.7)
10.42	(264.5)	55	0.97	(24.5)	2.39	(60.7)
10.34	(262.5)	58	1.01	(25.5)	2.35	(59.7)
10.26	(260.5)	61	1.05	(26.5)	2.31	(58.7)
10.18	(258.5)	64	1.09	(27.5)	2.27	(57.7)
10.10	(256.5)	67	1.13	(28.5)	2.23	(56.6)
10.02	(254.5)	70	1.17	(29.5)	2.19	(55.6)
9.94	(252.5)	73	1.21	(30.5)	2.15	(54.6)
9.86	(250.5)	76	1.25	(32.0)	2.11	(53.6)
9.78	(248.5)	79	1.29	(33.0)	2.07	(52.6)
9.70	(246.5)	82	1.33	(34.0)	2.03	(51.6)
9.62	(244.5)	85	1.37	(35.0)	1.99	(50.5)
9.54	(242.5)	88	1.41	(36.0)	1.95	(49.5)
9.46	(240.5)	91	1.45	(37.0)	1.91	(48.5)
9.38	(238.5)	94	1.49	(38.0)	1.87	(47.5)
9.30	(236.0)	97	1.53	(39.0)	1.83	(46.5)
9.22	(234.0)	100	1.57	(40.0)	1.79	(45.5)
9.14	(232.0)	103	1.61	(41.0)	1.75	(44.5)
9.06	(230.0)	106	1.65	(42.0)	1.71	(43.4)
8.98	(228.0)	109	1.69	(43.0)	1.67	(42.4)
8.90	(226.0)	112	1.73	(44.0)	1.63	(41.4)
8.82	(224.0)	115	1.77	(45.0)	1.59	(40.4)
8.74	(222.0)	118	1.81	(46.0)	1.55	(39.4)
8.66	(220.0)	121	1.85	(47.0)	1.51	(38.4)
8.58	(218.0)	124	1.89	(48.0)	1.47	(37.3)
8.50	(216.0)	127	1.93	(49.0)	1.43	(36.3)
8.42	(214.0)	130	1.97	(50.0)	1.39	(35.3)
8.34	(212.0)	133	2.01	(51.0)	1.35	(34.3)
8.26	(210.0)	136	2.05	(52.0)	1.31	(33.3)
8.18	(208.0)	139	2.09	(53.0)	1.27	(32.3)
8.10	(205.5)	142	2.13	(54.0)	1.23	(31.2)
8.02	(203.5)	145	2.17	(55.0)	1.19	(30.2)
7.94	(201.5)	148	2.21	(56.0)	1.15	(29.2)
7.86	(199.5)	151	2.25	(57.0)	1.11	(28.2)
7.78	(197.5)	154	2.29	(58.0)	1.07	(27.2)
7.70	(195.5)	157	2.33	(59.0)	1.03	(26.2)
7.62	(193.5)	160	2.37	(60.0)	0.99	(25.1)
7.54	(191.5)	163	2.41	(61.0)	0.95	(24.1)

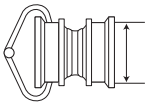
Flange diameter is 12.36" (314 mm)

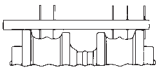
Undercarriage Code: 207

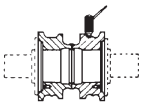
D10 — 10.25" (260.4 mm)

Track Rollers

Double Flange







Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
10.90	(277.0)	0	0.73	(18.5)	2.64	(67.1)
10.82	(275.0)	6	0.77	(19.5)	2.60	(66.0)
10.74	(273.0)	12	0.81	(20.5)	2.56	(65.0)
10.66	(271.0)	18	0.85	(21.5)	2.52	(64.0)
10.58	(268.5)	24	0.89	(22.5)	2.48	(63.0)
10.50	(266.5)	30	0.93	(23.5)	2.44	(62.0)
10.42	(264.5)	36	0.97	(24.5)	2.40	(61.0)
10.34	(262.5)	42	1.01	(25.5)	2.36	(59.9)
10.26	(260.5)	48	1.05	(26.5)	2.32	(58.9)
10.18	(258.5)	52	1.09	(27.5)	2.28	(57.9)
10.10	(256.5)	56	1.13	(28.5)	2.24	(56.9)
10.02	(254.5)	60	1.17	(29.5)	2.20	(55.9)
9.94	(252.5)	64	1.21	(30.5)	2.16	(54.9)
9.86	(250.5)	68	1.25	(32.0)	2.12	(53.8)
9.78	(248.5)	72	1.29	(33.0)	2.08	(52.8)
9.70	(246.5)	76	1.33	(34.0)	2.04	(51.8)
9.62	(244.5)	80	1.37	(35.0)	2.00	(50.8)
9.54	(242.5)	84	1.41	(36.0)	1.96	(49.8)
9.46	(240.5)	88	1.45	(37.0)	1.92	(48.8)
9.38	(238.5)	92	1.49	(38.0)	1.88	(47.8)
9.30	(236.0)	96	1.53	(39.0)	1.84	(46.7)
9.22	(234.0)	100	1.57	(40.0)	1.80	(45.7)
9.14	(232.0)	104	1.61	(41.0)	1.76	(44.7)
9.06	(230.0)	108	1.65	(42.0)	1.72	(43.7)
8.98	(228.0)	112	1.69	(43.0)	1.68	(42.7)
8.90	(226.0)	116	1.73	(44.0)	1.64	(41.7)
8.82	(224.0)	120	1.77	(45.0)	1.60	(40.6)
8.74	(222.0)	124	1.81	(46.0)	1.56	(39.6)
8.66	(220.0)	128	1.85	(47.0)	1.52	(38.6)
8.58	(218.0)	132	1.89	(48.0)	1.48	(37.6)
8.50	(216.0)	136	1.93	(49.0)	1.44	(36.6)
8.42	(214.0)	140	1.97	(50.0)	1.40	(35.6)
8.34	(212.0)	144	2.01	(51.0)	1.36	(34.5)
8.26	(210.0)	148	2.05	(52.0)	1.32	(33.5)
8.18	(208.0)	152	2.09	(53.0)	1.28	(32.5)
8.10	(205.5)	156	2.13	(54.0)	1.24	(31.5)
8.02	(203.5)	160	2.17	(55.0)	1.20	(30.5)
7.94	(201.5)	164	2.21	(56.0)	1.16	(29.5)
7.86	(199.5)	168	2.25	(57.0)	1.12	(28.4)
7.78	(197.5)	172	2.29	(58.0)	1.08	(27.4)
7.70	(195.5)	176	2.33	(59.0)	1.04	(26.4)
7.62	(193.5)	180	2.37	(60.0)	1.00	(25.4)
7.54	(191.5)	184	2.41	(61.0)	0.96	(24.4)

Flange diameter is 12.36" (314 mm)

Undercarriage Code: 207

Sprockets



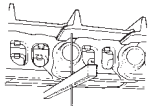
Tape Measure Inches	(mm)	% Worn
11.05	(280.5)	0
11.00	(279.5)	7
10.95	(278.0)	14
10.90	(277.0)	21
10.85	(275.5)	28
10.80	(274.5)	34
10.75	(273.0)	40
10.70	(272.0)	46
10.65	(270.5)	52
10.60	(269.0)	58
10.55	(268.0)	64
10.50	(266.5)	70
10.45	(265.5)	76
10.40	(264.0)	82
10.35	(263.0)	88
10.30	(261.5)	94
10.25	(260.5)	100
10.20	(259.0)	106
10.15	(258.0)	112
10.10	(256.5)	118
10.05	(255.5)	124

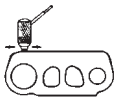
NOTE: Measure across 3 teeth

D11N, D11R — 12.50" (317.5 mm)

Track Links

200-6325 & 26
Optional Tall Link

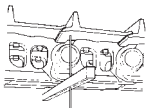


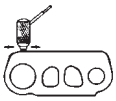


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
8.07	(205.0)	0	2.51	(63.8)
8.03	(204.0)	5	2.47	(62.7)
7.99	(203.0)	10	2.43	(61.7)
7.95	(202.0)	15	2.39	(60.7)
7.91	(201.0)	20	2.35	(59.7)
7.87	(200.0)	25	2.31	(58.7)
7.83	(199.0)	30	2.27	(57.7)
7.79	(198.0)	35	2.23	(56.6)
7.75	(197.0)	40	2.19	(55.6)
7.71	(196.0)	45	2.15	(54.6)
7.67	(195.0)	50	2.11	(53.6)
7.63	(194.0)	55	2.07	(52.6)
7.59	(193.0)	60	2.03	(51.6)
7.55	(192.0)	64	1.99	(50.5)
7.51	(191.0)	68	1.95	(49.5)
7.47	(189.5)	72	1.91	(48.5)
7.43	(188.5)	76	1.87	(47.5)
7.39	(187.5)	80	1.83	(46.5)
7.35	(186.5)	84	1.79	(45.5)
7.31	(185.5)	88	1.75	(44.5)
7.27	(184.5)	92	1.71	(43.4)
7.23	(183.5)	96	1.67	(42.4)
7.19	(182.5)	100	1.63	(41.4)
7.15	(181.5)	104	1.59	(40.4)
7.11	(180.5)	108	1.55	(39.4)
7.07	(179.5)	112	1.51	(38.4)
7.03	(178.5)	116	1.47	(37.3)
6.99	(177.5)	120	1.43	(36.3)

Track Links

6T8049 & 50
Standard Link



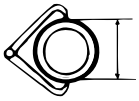


Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
7.79	(198.0)	0	0	2.24	(56.9)
7.77	(197.5)	5	4	2.22	(56.4)
7.75	(197.0)	10	8	2.20	(55.9)
7.73	(196.5)	15	12	2.18	(55.4)
7.71	(196.0)	20	16	2.16	(54.9)
7.69	(195.5)	25	20	2.14	(54.4)
7.67	(195.0)	30	24	2.12	(53.8)
7.65	(194.5)	35	28	2.10	(53.3)
7.63	(194.0)	40	32	2.08	(52.8)
7.61	(193.5)	45	36	2.06	(52.3)
7.59	(193.0)	50	40	2.04	(51.8)
7.57	(192.5)	55	44	2.02	(51.3)
7.55	(192.0)	60	48	2.00	(50.8)
7.53	(191.5)	64	52	1.98	(50.3)
7.51	(191.0)	68	55	1.96	(49.8)
7.49	(190.0)	71	58	1.94	(49.3)
7.47	(189.5)	74	60	1.92	(48.8)
7.45	(189.0)	77	63	1.90	(48.3)
7.43	(188.5)	81	65	1.88	(47.8)
7.41	(188.0)	84	68	1.86	(47.2)
7.39	(187.5)	87	70	1.84	(46.7)
7.37	(187.0)	90	73	1.82	(46.2)
7.35	(186.5)	94	75	1.80	(45.7)
7.33	(186.0)	97	78	1.78	(45.2)
7.31	(185.5)	100	80	1.76	(44.7)
7.29	(185.0)	103	83	1.74	(44.2)
7.27	(184.5)	107	85	1.72	(43.7)
7.25	(184.0)	110	88	1.70	(43.2)
7.23	(183.5)	113	90	1.68	(42.7)
7.21	(183.0)	116	93	1.66	(42.2)
7.19	(182.5)	120	95	1.64	(41.7)
7.17	(182.0)		98	1.62	(41.1)
7.15	(181.5)		100	1.60	(40.6)
7.13	(181.0)		103	1.58	(40.1)
7.11	(180.5)		105	1.56	(39.6)
7.09	(180.0)		108	1.54	(39.1)
7.07	(179.5)		110	1.52	(38.6)
7.05	(179.0)		113	1.50	(38.1)
7.03	(178.5)		115	1.48	(37.6)
7.01	(178.0)		118	1.46	(37.1)
6.99	(177.5)		120	1.44	(36.6)

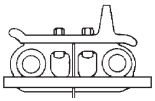
Undercarriage Code: 220, 221

D11N, D11R — 12.50" (317.5 mm)

Bushings for Sealed & Lubricated Track







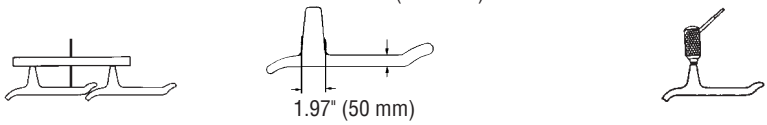
Caliper		Allowable Wear Lesser	Allowable Wear Greater	Ultrasonic		Depth Gauge	
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
4.32	(109.7)	0	0	0.82	(20.8)	5.62	(142.7)
4.31	(109.5)	4	3	0.81	(20.6)	5.61	(142.5)
4.30	(109.2)	8	6	0.80	(20.3)	5.60	(142.2)
4.29	(109.0)	12	9	0.79	(20.1)	5.59	(142.0)
4.28	(108.7)	16	12	0.78	(19.8)	5.58	(141.7)
4.27	(108.5)	20	15	0.77	(19.6)	5.57	(141.5)
4.26	(108.2)	24	18	0.76	(19.3)	5.56	(141.2)
4.25	(108.0)	28	21	0.75	(19.1)	5.55	(141.0)
4.24	(107.7)	32	24	0.74	(18.8)	5.54	(140.7)
4.23	(107.4)	36	27	0.73	(18.5)	5.53	(140.5)
4.22	(107.2)	40	30	0.72	(18.3)	5.52	(140.2)
4.21	(106.9)	43	33	0.71	(18.0)	5.51	(140.0)
4.20	(106.7)	46	36	0.70	(17.8)	5.50	(139.7)
4.19	(106.4)	49	39	0.69	(17.5)	5.49	(139.4)
4.18	(106.2)	52	42	0.68	(17.3)	5.48	(139.2)
4.17	(105.9)	55	45	0.67	(17.0)	5.47	(138.9)
4.16	(105.7)	58	48	0.66	(16.8)	5.46	(138.7)
4.15	(105.4)	61	51	0.65	(16.5)	5.45	(138.4)
4.14	(105.2)	64	54	0.64	(16.3)	5.44	(138.2)
4.13	(104.9)	67	57	0.63	(16.0)	5.43	(137.9)
4.12	(104.6)	70	60	0.62	(15.7)	5.42	(137.7)
4.11	(104.4)	73	62	0.61	(15.5)	5.41	(137.4)
4.10	(104.1)	76	64	0.60	(15.2)	5.40	(137.2)
4.09	(103.9)	79	66	0.59	(15.0)	5.39	(136.9)
4.08	(103.6)	82	68	0.58	(14.7)	5.38	(136.7)
4.07	(103.4)	85	70	0.57	(14.5)	5.37	(136.4)
4.06	(103.1)	88	72	0.56	(14.2)	5.36	(136.1)
4.05	(102.9)	91	74	0.55	(14.0)	5.35	(135.9)
4.04	(102.6)	94	76	0.54	(13.7)	5.34	(135.6)
4.03	(102.4)	97	78	0.53	(13.5)	5.33	(135.4)
4.02	(102.1)	100	80	0.52	(13.2)	5.32	(135.1)
4.01	(101.9)	103	82	0.51	(13.0)	5.31	(134.9)
4.00	(101.6)	106	84	0.50	(12.7)	5.30	(134.6)
3.99	(101.3)	109	86	0.49	(12.4)	5.29	(134.4)
3.98	(101.1)	112	88	0.48	(12.2)	5.28	(134.1)
3.97	(100.8)	115	90	0.47	(11.9)	5.27	(133.9)
3.96	(100.6)	118	92	0.46	(11.7)	5.26	(133.6)
3.95	(100.3)	121	94	0.45	(11.4)	5.25	(133.4)
3.94	(100.1)		96	0.44	(11.2)	5.24	(133.1)
3.93	(99.8)		98	0.43	(10.9)	5.23	(132.8)
3.92	(99.6)		100	0.42	(10.7)	5.22	(132.6)
3.91	(99.3)		102	0.41	(10.4)	5.21	(132.3)
3.90	(99.1)		104	0.40	(10.2)	5.20	(132.1)
3.89	(98.8)		106	0.39	(9.9)	5.19	(131.8)
3.88	(98.6)		108	0.38	(9.7)	5.18	(131.6)
3.87	(98.3)		110	0.37	(9.4)	5.17	(131.3)
3.86	(98.0)		112	0.36	(9.1)	5.16	(131.1)
3.85	(97.8)		114	0.35	(8.9)	5.15	(130.8)
3.84	(97.5)		116	0.34	(8.6)	5.14	(130.6)
3.83	(97.3)		118	0.33	(8.4)	5.13	(130.3)
3.82	(97.0)		120	0.32	(8.1)	5.12	(130.0)

NOTE: DO NOT USE DEPTH GAUGE UNTIL BUSHINGS HAVE BEEN "TURNED."

Undercarriage Code: 220, 2203, 221, 2213

Track Shoes

Extreme Service

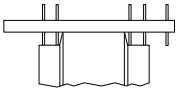


Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
4.00	(101.5)	0	0	4.95	(125.7)
3.90	(99.0)	4	4	4.85	(123.2)
3.80	(96.5)	8	8	4.75	(120.7)
3.70	(94.0)	12	12	4.65	(118.1)
3.60	(91.5)	16	16	4.55	(115.6)
3.50	(89.0)	20	20	4.45	(113.0)
3.40	(86.5)	24	24	4.35	(110.5)
3.30	(84.0)	28	28	4.25	(108.0)
3.20	(81.5)	32	32	4.15	(105.4)
3.10	(78.5)	36	36	4.05	(102.9)
3.00	(76.0)	40	40	3.95	(100.3)
2.90	(73.5)	44	43	3.85	(97.8)
2.80	(71.0)	48	46	3.75	(95.3)
2.70	(68.5)	52	49	3.65	(92.7)
2.60	(66.0)	56	52	3.55	(90.2)
2.50	(63.5)	60	55	3.45	(87.6)
2.40	(61.0)	64	58	3.35	(85.1)
2.30	(58.5)	68	61	3.25	(82.6)
2.20	(56.0)	72	64	3.15	(80.0)
2.10	(53.5)	76	67	3.05	(77.5)
2.00	(51.0)	80	70	2.95	(74.9)
1.90	(48.5)	84	73	2.85	(72.4)
1.80	(45.5)	88	76	2.75	(69.9)
1.70	(43.0)	92	79	2.65	(67.3)
1.60	(40.5)	96	82	2.55	(64.8)
1.50	(38.0)	100	85	2.45	(62.2)
1.40	(35.5)	104	88	2.35	(59.7)
1.30	(33.0)	108	91	2.25	(57.2)
1.20	(30.5)	112	94	2.15	(54.6)
1.10	(28.0)	116	97	2.05	(52.1)
1.00	(25.5)	120	100	1.95	(49.5)
0.90	(23.0)		103	1.85	(47.0)
0.80	(20.5)		106	1.75	(44.5)
0.70	(18.0)		109	1.65	(41.9)
0.60	(15.0)		112	1.55	(39.4)
0.50	(12.5)		115	1.45	(36.8)
0.40	(10.0)		118	1.35	(34.3)
0.30	(7.5)		121	1.25	(31.8)

Undercarriage Code: 220, 2203, 221, 2213

D11N, D11R — 12.50" (317.5 mm)

Idlers



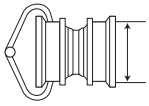
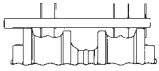
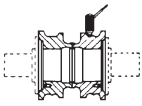
Depth Gauge Inches	(mm)	% Worn
0.78	(20.0)	0
0.80	(20.5)	4
0.82	(21.0)	8
0.84	(21.5)	12
0.86	(22.0)	16
0.88	(22.5)	20
0.90	(23.0)	24
0.92	(23.5)	28
0.94	(24.0)	32
0.96	(24.5)	36
0.98	(25.0)	40
1.00	(25.5)	44
1.02	(26.0)	48
1.04	(26.5)	52
1.06	(27.0)	56
1.08	(27.5)	60
1.10	(28.0)	64
1.12	(28.5)	68
1.14	(29.0)	72
1.16	(29.5)	74
1.18	(30.0)	76
1.20	(30.5)	78
1.22	(31.0)	80
1.24	(31.5)	82
1.26	(32.0)	84
1.28	(32.5)	86
1.30	(33.0)	88
1.32	(33.5)	90
1.34	(34.0)	92
1.36	(34.5)	94
1.38	(35.0)	96
1.40	(35.5)	98
1.42	(36.0)	100
1.44	(36.5)	102
1.46	(37.0)	104
1.48	(37.5)	106
1.50	(38.0)	108
1.52	(38.5)	110
1.54	(39.0)	112
1.56	(39.5)	114
1.58	(40.0)	116
1.60	(40.5)	118
1.62	(41.0)	120

Flange width: 5.87" (149 mm)

Undercarriage Code: 220, 2203, 221, 2213

Track Rollers

Single Flange
Optional Large Diameter Roller
Use with 200-6325 & 26 Links

Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
12.16	(309.0)	0	0.67	(17.0)	3.27	(83.1)
12.06	(306.5)	3	0.72	(18.5)	3.22	(81.8)
11.96	(304.0)	6	0.77	(19.5)	3.17	(80.5)
11.86	(301.0)	9	0.82	(21.0)	3.12	(79.2)
11.76	(298.5)	12	0.87	(22.0)	3.07	(78.0)
11.66	(296.0)	15	0.92	(23.5)	3.02	(76.7)
11.56	(293.5)	18	0.97	(24.5)	2.97	(75.4)
11.46	(291.0)	21	1.02	(26.0)	2.92	(74.2)
11.36	(288.5)	24	1.07	(27.0)	2.87	(72.9)
11.26	(286.0)	27	1.12	(28.5)	2.82	(71.6)
11.16	(283.5)	30	1.17	(29.5)	2.77	(70.4)
11.06	(281.0)	33	1.22	(31.0)	2.72	(69.1)
10.96	(278.5)	36	1.27	(32.5)	2.67	(67.8)
10.86	(276.0)	39	1.32	(33.5)	2.62	(66.5)
10.76	(273.5)	42	1.37	(35.0)	2.57	(65.3)
10.66	(271.0)	45	1.42	(36.0)	2.52	(64.0)
10.56	(268.0)	48	1.47	(37.5)	2.47	(62.7)
10.46	(265.5)	51	1.52	(38.5)	2.42	(61.5)
10.36	(263.0)	54	1.57	(40.0)	2.37	(60.2)
10.26	(260.5)	57	1.62	(41.0)	2.32	(58.9)
10.16	(258.0)	60	1.67	(42.5)	2.27	(57.7)
10.06	(255.5)	63	1.72	(43.5)	2.22	(56.4)
9.96	(253.0)	66	1.77	(45.0)	2.17	(55.1)
9.86	(250.5)	69	1.82	(46.0)	2.12	(53.8)
9.76	(248.0)	72	1.87	(47.5)	2.07	(52.6)
9.66	(245.5)	75	1.92	(49.0)	2.02	(51.3)
9.56	(243.0)	78	1.97	(50.0)	1.97	(50.0)
9.46	(240.5)	81	2.02	(51.5)	1.92	(48.8)
9.36	(237.5)	84	2.07	(52.5)	1.87	(47.5)
9.26	(235.0)	86	2.12	(54.0)	1.82	(46.2)
9.16	(232.5)	88	2.17	(55.0)	1.77	(45.0)
9.06	(230.0)	90	2.22	(56.5)	1.72	(43.7)
8.96	(227.5)	92	2.27	(57.5)	1.67	(42.4)
8.86	(225.0)	94	2.32	(59.0)	1.62	(41.1)
8.76	(222.5)	96	2.37	(60.0)	1.57	(39.9)
8.66	(220.0)	98	2.42	(61.5)	1.52	(38.6)
8.56	(217.5)	100	2.47	(62.5)	1.47	(37.3)
8.46	(215.0)	102	2.52	(64.0)	1.42	(36.1)
8.36	(212.5)	104	2.57	(65.5)	1.37	(34.8)
8.26	(210.0)	106	2.62	(66.5)	1.32	(33.5)
8.16	(207.5)	108	2.67	(68.0)	1.27	(32.3)
8.06	(204.5)	110	2.72	(69.0)	1.22	(31.0)
7.96	(202.0)	112	2.77	(70.5)	1.17	(29.7)
7.86	(199.5)	114	2.82	(71.5)	1.12	(28.4)
7.76	(197.0)	116	2.87	(73.0)	1.07	(27.2)
7.66	(194.5)	118	2.92	(74.0)	1.02	(25.9)
7.56	(192.0)	120	2.97	(75.5)	0.97	(24.6)

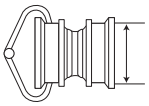
Flange diameter is 13.50" (343 mm)

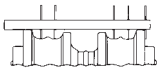
Undercarriage Code: 2203, 2213

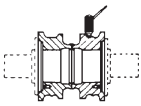
D11N, D11R — 12.50" (317.5 mm)

Track Rollers

Single Flange
Standard Roller







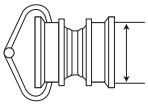
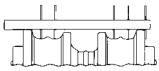
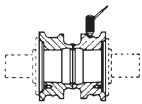
Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
11.30	(287.0)	0	0.67	(17.0)	2.83	(71.9)
11.20	(284.5)	4	0.72	(18.5)	2.78	(70.6)
11.10	(282.0)	8	0.77	(19.5)	2.73	(69.3)
11.00	(279.5)	12	0.82	(21.0)	2.68	(68.1)
10.90	(277.0)	16	0.87	(22.0)	2.63	(66.8)
10.80	(274.5)	20	0.92	(23.5)	2.58	(65.5)
10.70	(272.0)	24	0.97	(24.5)	2.53	(64.3)
10.60	(269.0)	28	1.02	(26.0)	2.48	(63.0)
10.50	(266.5)	32	1.07	(27.0)	2.43	(61.7)
10.40	(264.0)	36	1.12	(28.5)	2.38	(60.5)
10.30	(261.5)	40	1.17	(29.5)	2.33	(59.2)
10.20	(259.0)	44	1.22	(31.0)	2.28	(57.9)
10.10	(256.5)	48	1.27	(32.5)	2.23	(56.6)
10.00	(254.0)	52	1.32	(33.5)	2.18	(55.4)
9.90	(251.5)	56	1.37	(35.0)	2.13	(54.1)
9.80	(249.0)	60	1.42	(36.0)	2.08	(52.8)
9.70	(246.5)	64	1.47	(37.5)	2.03	(51.6)
9.60	(244.0)	68	1.52	(38.5)	1.98	(50.3)
9.50	(241.5)	72	1.57	(40.0)	1.93	(49.0)
9.40	(239.0)	76	1.62	(41.0)	1.88	(47.8)
9.30	(236.0)	80	1.67	(42.5)	1.83	(46.5)
9.20	(233.5)	84	1.72	(43.5)	1.78	(45.2)
9.10	(231.0)	88	1.77	(45.0)	1.73	(43.9)
9.00	(228.5)	92	1.82	(46.0)	1.68	(42.7)
8.90	(226.0)	94	1.87	(47.5)	1.63	(41.4)
8.80	(223.5)	96	1.92	(49.0)	1.58	(40.1)
8.70	(221.0)	98	1.97	(50.0)	1.53	(38.9)
8.60	(218.5)	100	2.02	(51.5)	1.48	(37.6)
8.50	(216.0)	102	2.07	(52.5)	1.43	(36.3)
8.40	(213.5)	104	2.12	(54.0)	1.38	(35.1)
8.30	(211.0)	106	2.17	(55.0)	1.33	(33.8)
8.20	(208.5)	108	2.22	(56.5)	1.28	(32.5)
8.10	(205.5)	110	2.27	(57.5)	1.23	(31.2)
8.00	(203.0)	112	2.32	(59.0)	1.18	(30.0)
7.90	(200.5)	114	2.37	(60.0)	1.13	(28.7)
7.80	(198.0)	116	2.42	(61.5)	1.08	(27.4)
7.70	(195.5)	118	2.47	(62.5)	1.03	(26.2)
7.60	(193.0)	120	2.52	(64.0)	0.98	(24.9)

Flange diameter is 12.64" (321 mm)

Undercarriage Code: 220, 221

Track Rollers

Double Flange

Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
10.90	(277.0)	0	0.86	(22.0)	2.64	(67.1)
10.80	(274.5)	6	0.91	(23.0)	2.59	(65.8)
10.70	(272.0)	12	0.96	(24.5)	2.54	(64.5)
10.60	(269.0)	18	1.01	(25.5)	2.49	(63.2)
10.50	(266.5)	24	1.06	(27.0)	2.44	(62.0)
10.40	(264.0)	30	1.11	(28.0)	2.39	(60.7)
10.30	(261.5)	36	1.16	(29.5)	2.34	(59.4)
10.20	(259.0)	42	1.21	(30.5)	2.29	(58.2)
10.10	(256.5)	48	1.26	(32.0)	2.24	(56.9)
10.00	(254.0)	54	1.31	(33.5)	2.19	(55.6)
9.90	(251.5)	60	1.36	(34.5)	2.14	(54.4)
9.80	(249.0)	64	1.41	(36.0)	2.09	(53.1)
9.70	(246.5)	67	1.46	(37.0)	2.04	(51.8)
9.60	(244.0)	70	1.51	(38.5)	1.99	(50.5)
9.50	(241.5)	73	1.56	(39.5)	1.94	(49.3)
9.40	(239.0)	76	1.61	(41.0)	1.89	(48.0)
9.30	(236.0)	79	1.66	(42.0)	1.84	(46.7)
9.20	(233.5)	82	1.71	(43.5)	1.79	(45.5)
9.10	(231.0)	85	1.76	(44.5)	1.74	(44.2)
9.00	(228.5)	88	1.81	(46.0)	1.69	(42.9)
8.90	(226.0)	91	1.86	(47.0)	1.64	(41.7)
8.80	(223.5)	94	1.91	(48.5)	1.59	(40.4)
8.70	(221.0)	97	1.96	(50.0)	1.54	(39.1)
8.60	(218.5)	100	2.01	(51.0)	1.49	(37.8)
8.50	(216.0)	103	2.06	(52.5)	1.44	(36.6)
8.40	(213.5)	106	2.11	(53.5)	1.39	(35.3)
8.30	(211.0)	109	2.16	(55.0)	1.34	(34.0)
8.20	(208.5)	112	2.21	(56.0)	1.29	(32.8)
8.10	(205.5)	115	2.26	(57.5)	1.24	(31.5)
8.00	(203.0)	118	2.31	(58.5)	1.19	(30.2)
7.90	(200.5)	121	2.36	(60.0)	1.14	(29.0)
7.80	(198.0)	124	2.41	(61.0)	1.09	(27.7)
7.70	(195.5)	127	2.46	(62.5)	1.04	(26.4)

Flange diameter is 12.64" (321 mm)

Undercarriage Code: 220, 2203, 221, 2213

D11N, D11R — 12.50" (317.5 mm)

Sprockets



Tape Measure Inches	Tape Measure (mm)	% Worn
14.05	(357.0)	0
14.00	(355.5)	5
13.95	(354.5)	10
13.90	(353.0)	15
13.85	(352.0)	19
13.80	(350.5)	22
13.75	(349.5)	25
13.70	(348.0)	28
13.65	(346.5)	31
13.60	(345.5)	34
13.55	(344.0)	37
13.50	(343.0)	40
13.45	(341.5)	43
13.40	(340.5)	46
13.35	(339.0)	49
13.30	(338.0)	52
13.25	(336.5)	55
13.20	(335.5)	58
13.15	(334.0)	61
13.10	(332.5)	64
13.05	(331.5)	67
13.00	(330.0)	70
12.95	(329.0)	73
12.90	(327.5)	76
12.85	(326.5)	79
12.80	(325.0)	82
12.75	(324.0)	85
12.70	(322.5)	88
12.65	(321.5)	91
12.60	(320.0)	94
12.55	(319.0)	97
12.50	(317.5)	100
12.45	(316.0)	103
12.40	(315.0)	106
12.35	(313.5)	109
12.30	(312.5)	112
12.25	(311.0)	115
12.20	(310.0)	118
12.15	(308.5)	121

NOTE: Measure across 3 teeth

Undercarriage Code: 220, 2203, 221, 2213

NOTES

Low Sprocket Machines

Undercarriage Identification

The easiest way to identify track is to read the part number forged into the link. This list cross-references link part numbers to the correct percent worn chart pages.

Genuine Cat® Undercarriage

Model	Pitch	Link Part Number	Wear Chart Pages
D3 (All) D4B, D4C, D4G 931 933 935	6.125" (155.6 mm)	6Y0935 & 36 6S8343 & 44 6S3143 & 44	258-276
D4, D4D, D4E 941	6.75" (171.5 mm)	9K6628 & 29 7K1825 & 26 5K9423 & 24 5K9457 & 58	278-292
D5C, D5G 939	6.75" (171.5 mm)	108-0947 & 48 6Y9261 & 62	294-309
D5, D5B 951 955 561	6.91" (175.5 mm)	7T4539 & 40 3P7153 & 54	310-324
D6, D6B, D6C, D6D 955	8.00" (203.2 mm)	8E7405 & 06 7T4645 & 46 3P1112 & 13	326-346
D7, D7D, D7E, D7F, D7G 977 571 572	8.50" (215.9 mm)	7T4657 & 58 8S2589 & 90	348-365
D8 983	9.00" (228.7 mm)	7S9181 & 82	366-377
D9 594	10.25" (260.4 mm)	8E4055 & 56	378-387

Cat® Classic Undercarriage

Model	Pitch	Link Part Number	Wear Chart Pages
D5B	6.91" (175.5 mm)	175-8248 & 49	390-398
D6	8.00" (203.2 mm)	175-8256 & 57	400-409
D7	8.50" (215.9 mm)	188-5251 & 52	410-417
D8	9.00" (228.7 mm)	188-5531 & 32	418-424

To determine percent worn for links not listed here, see Former Link Service Limits, page 34.

Computer CTS Codes

Use the following undercarriage codes for computerized CTS:

Track-Type Tractors

Model	Undercarriage Code	Description
D3	C101	6S8343-44 Links
D3	C102	6Y0935-36 Links - Small Stepped Bushings (50 mm)
D3	C1021	6Y0935-36 Links - Large Stepped Bushings (54 mm)
D4	C116	5K Links
D4	C118	9K & 7K Links
D4	C119	6Y0935-36 Links - Small Stepped Bushings (50 mm)
D4	C1191	6Y0935-36 Links - Large Stepped Bushings (54 mm)
D5	C130	1P & 3P Links - Conventional Undercarriage
D5	C131	7T Links - Extended Life Undercarriage
D5	C1315	Cat Classic Undercarriage
D5C	C134	SALT - 6Y9261-2 Links - Small Stepped Bushings (56.6 mm) - Rollers with Retainer
D5C	C13402	SALT - 6Y9261-2 Links - Large Stepped Bushings (60.7 mm) - Rollers with Retainer
D5C	C135	SALT - 6Y9261-2 Links - Small Stepped Bushings (56.6 mm) - Rollers with End Collars
D5C	C13502	SALT - 6Y9261-2 Links - Large Stepped Bushings (60.7 mm) - Rollers with End Collars
D5C	C1351	Rotating Bushing Track - 1080947-8 Links - Rollers with End Collars
D5C	C1352	Rotating Bushing Track - 1080947-8 Links - Tall Flange Double Flange Rollers
D5G	C1353	SALT - 6Y9261-2 Links - Small Stepped Bushings (56.6 mm) - Rollers with End Collars
D5G	C13532	SALT - 6Y9261-2 Links - Large Stepped Bushings (60.7 mm) - Rollers with End Collars
D5G	C1354	Rotating Bushing Track - 1080947-8 Links - Rollers with End Collars
D5G	C1355	Rotating Bushing Track - 1080947-8 Links - Tall Flange Double Flange Rollers
D6	C145	6.75 inch (171.5 mm) Pitch
D6	C151	8.00 inch (203.2 mm) Pitch - 3P Links - Conventional Undercarriage - Small Bushings
D6	C1511	8.00 inch (203.2 mm) Pitch - 3P Links - Conventional Undercarriage - Large Bushings
D6	C154	8.00 inch (203.2 mm) Pitch - 7T Links - Extended Life Undercarriage
D6	C1545	8.00 inch (203.2 mm) Pitch - Cat Classic Undercarriage
D6	C1551	8.00 inch (203.2 mm) Pitch - H.D. Track - 8E7405-06 & 1956515-6 Links
D7	C161	8.50 inch (215.9 mm) Pitch - 8S Links - Conventional Undercarriage
D7	C165	8.50 inch (215.9 mm) Pitch - 7T Links - Extended Life Undercarriage
D7	C1655	8.50 inch (215.9 mm) Pitch - Cat Classic Undercarriage
D8	C175	Genuine Cat Undercarriage
D8	C1755	Cat Classic Undercarriage
D9	C191	All

continues on next page

Computer CTS Codes (cont'd)

	Model	Undercarriage Code	Description
Track-Type Loaders	931	C301	6S8343-44 Links
	931	C302	6Y0935-36 Links - Small Stepped Bushings (50 mm)
	931	C3021	6Y0935-36 Links - Large Stepped Bushings (54 mm)
	933	C303	6Y0935-36 Links - Small Stepped Bushings (50 mm)
	933	C3031	6Y0935-36 Links - Large Stepped Bushings (54 mm)
	935	C305	6S8343-44 Links
	935	C306	6Y0935-36 Links - Small Stepped Bushings (50 mm)
	935	C3061	6Y0935-36 Links - Large Stepped Bushings (54 mm)
	939	C307	SALT - 6Y9261-2 Links - Rollers with Retainer
	939	C3071	SALT - 6Y9261-2 Links - Rollers with End Collars
	939	C3072	Rotating Bushing Track - 1080947-8 Links - Rollers with End Collars
	939	C3073	Rotating Bushing Track - 1080947-8 Links - Tall Flange Double Flange Rollers
	941	C311	5K Links
	941	C313	9K & 7K Links
	951	C330	6.75 inch (171.5 mm) Pitch
	951	C331	6.91 inch (175.5 mm) Pitch - 1P & 3P Links - Conventional Undercarriage
	951	C332	6.91 inch (175.5 mm) Pitch - 7T Links - Extended Life Undercarriage
	955	C350	6.91 inch (175.5 mm) Pitch
	955	C351	8.00 inch (203.2 mm) Pitch - 3P Links - Small Bushings
	955	C3511	8.00 inch (203.2 mm) Pitch - 3P Links - Large Bushings
	955	C353	8.00 inch (203.2 mm) Pitch - 7T Links - Extended Life Undercarriage
	977	C381	8.50 inch (215.9 mm) Pitch - 8S Links - Conventional Undercarriage
	977	C383	8.50 inch (215.9 mm) Pitch - 7T Links - Extended Life Undercarriage
	983	C390	All

Variables That Affect Wear Life

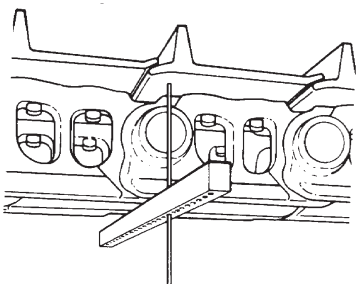
See pages 11 through 25 for details on the effects of:

	Page
Controllable Variables	11
Track Adjustment	11
Shoe Width	12
Alignment	14
Non-Controllable Variables	21
Soil & Underfoot Conditions	21
Underfoot Conditions	22
Partially Controllable Variables	25

Components

Links

See pages 28 through 35 for detailed link information.

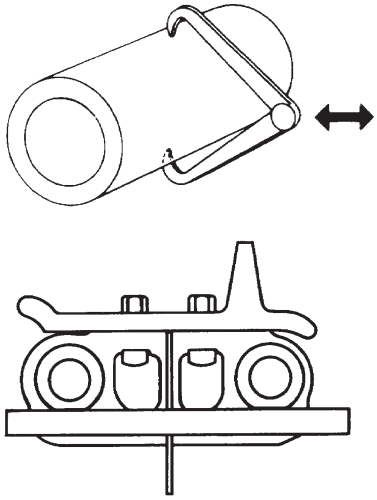


Measurement — Measure the track link over the centerline of the pin and bushing bores. See page 28 for details.

Wear Patterns — See pages 29 through 32 for a detailed discussion of link wear patterns.

Split Master Links — Use the assembly procedures on page 33 for split master links. Refer to "Shoes" on the following page for bolt torque specifications.

Bushing — Sealed & Lubricated Track



Measurement — Use the caliper, depth gauge or Ultrasonic Wear Indicator to measure the vertical position to the closest 0.01" (0.25 mm). The vertical position is expected to be the most worn position for Sealed and Lubricated Track bushings on low sprocket machines. Measurement of other wear positions can be made, but are not expected to be critical.

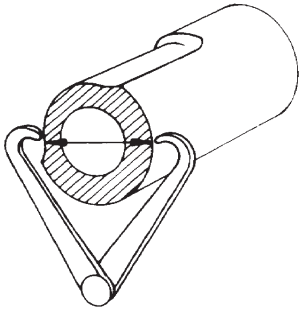
Bushing Allowable Wear — Bushing allowable wear is based on the remaining strength to resist cracks. For high impact underfoot conditions use lesser allowable wear. For low impact use greater allowable wear.

Dry Joints

See page 42 for dry joint inspection procedures and recommended service. If a dry joint is found, measure pitch extension over that one joint. Schedule service if the pitch exceeds these limits:

Model	New Track Pitch	Single Joint Wear Limit
D3 D4 931 933 935	6.125" (155.6 mm)	6.50" (165 mm)
D4 941	6.75" (171.5 mm)	7.25" (185 mm)
D5 951 955 561	6.91" (171.5 mm)	7.50" (190 mm)
D6 955	8.00" (203.2 mm)	8.67" (220 mm)
D7 977 571 572	8.50" (215.9 mm)	9.12" (321 mm)
D8 983	9.00" (228.7 mm)	9.75" (250 mm)
D9 594	10.25" (260.4 mm)	11.00" (280 mm)

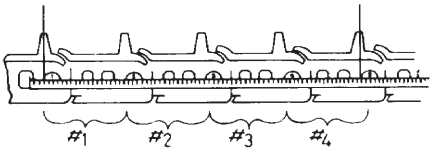
Bushing — Sealed Track — External



Measurement — To measure external wear use the caliper or the Ultrasonic Wear Indicator. Measure the minimum diameter regardless of the position (vertical, forward, reverse). See details on measurement procedures, page 44.

Bushing Allowable Wear — Bushing allowable wear is based on the remaining strength to resist cracks. For low sprocket machines, the choice between two allowable wears is based on high or low impact conditions because the sprocket is close to the ground and subject to impact.

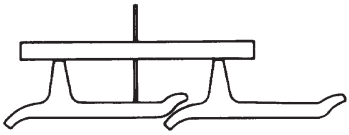
Pin and Bushing — Sealed Track — Internal



Measurement — Sealed track internal wear is measured by determining the pitch extended length over four adjacent sections with a tape measure calibrated in 0.02" (0.5 mm) increments. The track must be tight before measuring. Measure from the side of one pin to the same side of the fifth pin away (which includes 4 sections). See details on measurement procedure on page 48.

Shoes

See pages 51 through 55 for detailed shoe information.



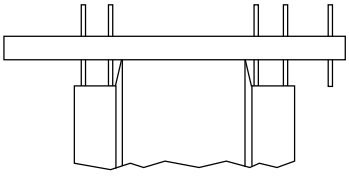
Measurement — Use the depth gauge or the Ultrasonic Wear Indicator to measure shoes.

Shoe & Master Link Bolt Torques

Model	Bolt Size	Torque*	Additional Turn Regular Shoe	Additional Turn Master Link Master Shoe
D3 D4 931 933 935	1/2"	130 ± 25 ft. lb. 175 ± 40 Nm	—	—
D3 D4 931 933 935	9/16"	65 ± 15 ft. lb. 90 ± 20 Nm	+1/3 turn	+1/2 turn
D4 D5 D6 941 951 561	5/8"	130 ± 30 ft. lb. 175 ± 40 Nm	+1/3 turn	+1/2 turn
D6 D7 955 977 571 572	3/4"	220 ± 40 ft. lb. 300 ± 50 Nm	+1/3 turn	+1/2 turn
D8 983	7/8"	250 ± 50 ft. lb. 340 ± 70 Nm	+1/3 turn	+1/2 turn
D9 594	1"	400 ± 50 ft. lb. 540 ± 70 Nm	+1/3 turn	+1/2 turn

* Use the assembling and torque turn tightening procedures on pages 33 and 55.

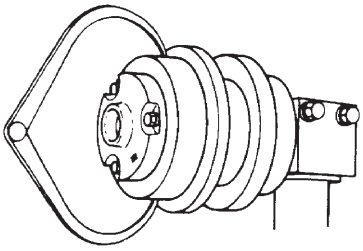
Idlers



See pages 56 through 58 for detailed idler information.

Measurement — Use the depth gauge to measure idlers.

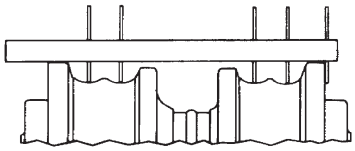
Carrier Rollers

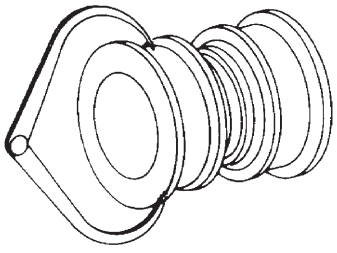


See pages 59 through 60 for detailed carrier roller information.

Measurement — Use the caliper or the Ultrasonic Wear Indicator to measure carrier rollers.

Track Rollers

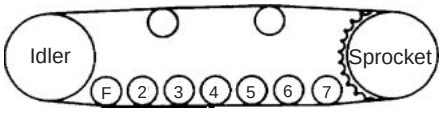




See pages 61 through 65 for detailed track roller information.

Measurement — Track rollers can be measured with a depth gauge, a caliper or an Ultrasonic Wear Indicator. The wear charts include both measurements. For instructions on how to make either measurement see page 61.

Roller Flange Sequence



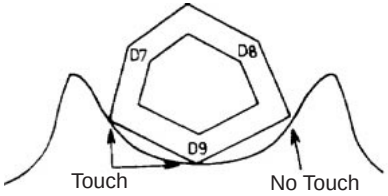
From the chart which follows, you will note that the rear roller (the roller nearest the sprocket) is usually a single flange roller. If a double flange roller were used as the rear roller, interference could occur between the inner flange and the sprocket teeth. Therefore, a double flange roller should not usually be placed in the rear position.

Model	Rollers Per Side	Roller Position F 2 3 4 5 6 7
D2	4	S D D S
D3	7	D D S S D S S
D3	5	S D S D S
D3 LGP	6	S D S S D S
D4NC	4	S D D S
D4, D4D, D4E	5	S D S D S
D4C, D4G	5	S D S D S
D5, D5B	6	S D D S D S
D5 LGP	7	S D D S D D S
D5C, D5G	6	S D S S D S
D5C, D5G	5	D D S D S
D6	6	S D D D D S
D6 LGP	7	D D S D S D S
D6B, D6NC	6	S D D D D S
D6C, D6D	6	D S D S D S
D7NC (8.00")	5	S D S D S
D7	6	D S D S D S
D7 LGP	7	D D S D S D S
D7D, D7E, D7F, D7G	6	D S D S D S
D8	7	D D S S D D S
D8	6	D S D S D S

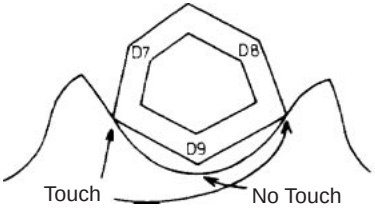
continues on next page

Roller Flange Sequence (cont'd)

Model	Rollers Per Side	Roller Position F 2 3 4 5 6 7
D8NC (8.00")	7	D D S D S D S
D8H, D8K	7	D D S D S D S
D8H, D8K	6	D S D S D S
D9, D9D, D9E, D9G, D9H	7	D D S D S D S
931	5	S D S D S
933C, 933E, 933F	5	D D S D S
935	5	D S S D S
941	5	D D S D S
951B, 951 LGP	5	S D S D S
951A	5	D S D S D
955F, 955E, 955C	5	D D S D S
955H	6	S D D D D S
955K, 955L, LGP	6	S D D S D S
977D	7	S D D D D D S
977E, 977H, 977K	7	D D S D S D S
983	7	D D S D S D S



Do Not Reuse Sprocket with turned (or replaced) Bushings



OK to Reuse Sprocket with turned (or replaced) Bushings

Sprockets

See pages 66 through 70 for detailed sprocket information.

Measurement — Use the appropriate sprocket reuse indicator gauge (D9, D8, D7 — 5P8617; D6, D5, D4 — 5P8616) at bushing turn time to determine reusability.

Sprocket Bolt Torques — Use the torque-turn tightening method on page 70.

Sprocket Bolt Torque Specifications

Model	Bolt Size	Torque	Additional Turn
D3 D4	1/2"	50 ± 8 ft. lb. 70 ± 10 Nm	+1/3 turn
D5 D5C D6 561 955	5/8"	130 ± 30 ft. lb. 175 ± 40 Nm	+1/3 turn
935C	M16	75 ± 15 ft. lb. 100 ± 20 Nm	+1/3 turn
D7 571 572 977	3/4"	220 ± 40 ft. lb. 300 ± 50 Nm	+1/3 turn
D8 D9 583 983	7/8"	250 ± 50 ft. lb. 340 ± 70 Nm	+1/3 turn
D9 594	1"	250 ± 50 ft. lb. 340 ± 70 Nm	+1/3 turn

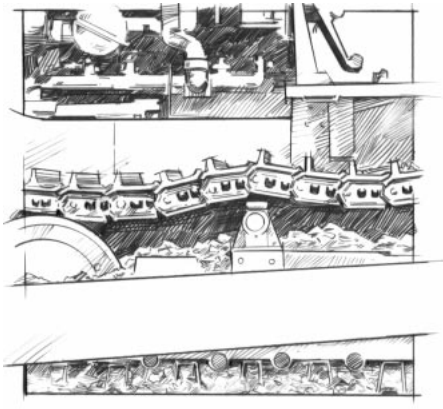
Guards

See page 71 for detailed information on track guiding guards and track roller guards.

Track Adjustment For Low Sprocket Track-Type Tractors and Loaders

(except 943, 953, 963 and 973 Loaders)

This track adjustment procedure enables users to achieve longer undercarriage component life.



⚠ WARNING

Grease is under high pressure.

Grease coming out of the relief valve under pressure can penetrate the body causing injury or death.

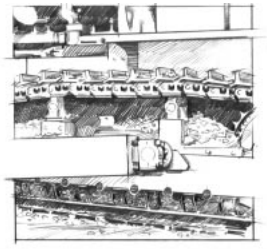
Do not watch the relief valve to see if grease is escaping. Watch the track or track adjustment cylinder to see if the track is being loosened.

1 For proper adjustment, tractor should be in its working environment.

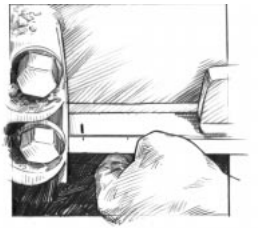
2 Move the machine forward a distance of twice its length. Allow the machine to come to a stop without the use of the brakes.



3 At track adjustment mechanism, connect grease gun to fitting. Extend hydraulic track adjuster until track idler is at maximum forward position. (Relief valve should remain closed.)



4 At this point, track should be almost straight between front carrier roller and idler. Do not try to squeeze any packing material from between track parts. Do not move the tractor back and forth to tighten the track.

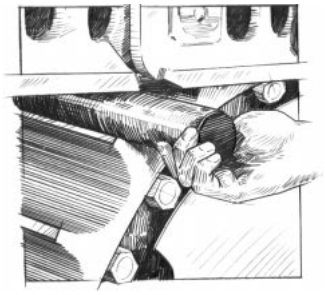


5 On machines with one carrier roller per side, place a mark on the track roller frame .4 inch or 10 millimeters behind the rear edge of the front idler bearing assembly.

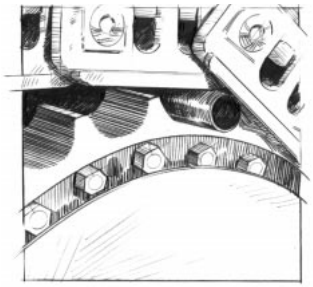
On machines with more than one carrier roller per side, mark the track roller frame .5 inch or 13 millimeters behind the rear edge of the assembly.



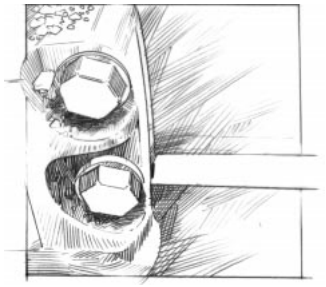
6 Open the hydraulic relief valve one turn maximum.



7 Place track pin or drawbar pin between sprocket teeth near the link.



8 Then move the machine in reverse until idler backs up 1/2" (13 mm) or more. The pin will be in approximately the "12 o'clock position" of the sprocket. Then move the machine forward until the pin is free of the sprocket; remove the pin.



9 Close the hydraulic relief valve. Extend hydraulic track adjuster until the rear edge of the idler bearing assembly aligns with mark on roller frame.

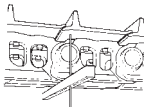
Note: the resulting reference sag should be about 2" (50 mm) on these models. Use for indication of approximate tension only.

NOTES

D3, 931, 933, 935, D4B, D4C — 6.125" (155.6 mm)

Track Links

6Y0935 & 36



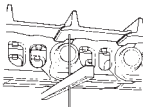


Depth Gauge			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
3.46	(88.0)	0	1.00	(25.4)
3.44	(87.5)	8	0.98	(24.9)
3.42	(87.0)	16	0.96	(24.4)
3.40	(86.5)	24	0.94	(23.9)
3.38	(86.0)	32	0.92	(23.4)
3.36	(85.5)	40	0.90	(22.9)
3.34	(85.0)	48	0.88	(22.4)
3.32	(84.5)	56	0.86	(21.8)
3.30	(84.0)	64	0.84	(21.3)
3.28	(83.5)	72	0.82	(20.8)
3.26	(83.0)	80	0.80	(20.3)
3.24	(82.5)	88	0.78	(19.8)
3.22	(82.0)	94	0.76	(19.3)
3.20	(81.5)	100	0.74	(18.8)
3.18	(81.0)	106	0.72	(18.3)
3.16	(80.5)	112	0.70	(17.8)
3.14	(80.0)	118	0.68	(17.3)
3.12	(79.0)	124	0.66	(16.8)

Undercarriage Code: 102, 1021, 119, 1191, 302, 3021, 303, 3031, 306, 3061

Track Links

6S8343 & 44





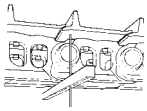
Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
3.30	(84.0)	0	0.92	(23.4)
3.28	(83.5)	7	0.90	(22.9)
3.26	(83.0)	14	0.88	(22.4)
3.24	(82.5)	21	0.86	(21.8)
3.22	(82.0)	28	0.84	(21.3)
3.20	(81.5)	35	0.82	(20.8)
3.18	(81.0)	42	0.80	(20.3)
3.16	(80.5)	49	0.78	(19.8)
3.14	(80.0)	56	0.76	(19.3)
3.12	(79.0)	63	0.74	(18.8)
3.10	(78.5)	70	0.72	(18.3)
3.08	(78.0)	77	0.70	(17.8)
3.06	(77.5)	84	0.68	(17.3)
3.04	(77.0)	90	0.66	(16.8)
3.02	(76.5)	95	0.64	(16.3)
3.00	(76.0)	100	0.62	(15.7)
2.98	(75.5)	105	0.60	(15.2)
2.96	(75.0)	110	0.58	(14.7)
2.94	(74.5)	115	0.56	(14.2)
2.92	(74.0)	120	0.54	(13.7)

Undercarriage Code: 101, 301, 305

D3, 931, 933, 935, D4B, D4C — 6.125" (155.6 mm)

Track Links

6S3143 & 44





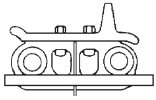
Depth Gauge			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
3.18	(81.0)	0	0.86	(21.8)
3.16	(80.5)	8	0.84	(21.3)
3.14	(80.0)	16	0.82	(20.8)
3.12	(79.0)	24	0.80	(20.3)
3.10	(78.5)	32	0.78	(19.8)
3.08	(78.0)	40	0.76	(19.3)
3.06	(77.5)	48	0.74	(18.8)
3.04	(77.0)	56	0.72	(18.3)
3.02	(76.5)	64	0.70	(17.8)
3.00	(76.0)	72	0.68	(17.3)
2.98	(75.5)	80	0.66	(16.8)
2.96	(75.0)	88	0.64	(16.3)
2.94	(74.5)	94	0.62	(15.7)
2.92	(74.0)	100	0.60	(15.2)
2.90	(73.5)	106	0.58	(14.7)
2.88	(73.0)	112	0.56	(14.2)
2.86	(72.5)	118	0.54	(13.7)
2.84	(72.0)	124	0.52	(13.2)

Undercarriage Code: 100

Bushings for Sealed & Lubricated Track

Large Stepped Bushings





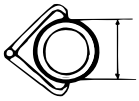
Caliper		Allowable Wear		Ultrasonic		Depth Gauge	
		Lesser	Greater				
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
2.13	(54.1)	0	0	0.48	(12.2)	2.61	(66.3)
2.12	(53.8)	5	4	0.47	(11.9)	2.60	(66.0)
2.11	(53.6)	10	8	0.46	(11.7)	2.59	(65.8)
2.10	(53.3)	15	12	0.45	(11.4)	2.58	(65.5)
2.09	(53.1)	20	16	0.44	(11.2)	2.57	(65.3)
2.08	(52.8)	25	20	0.43	(10.9)	2.56	(65.0)
2.07	(52.6)	30	24	0.42	(10.7)	2.55	(64.8)
2.06	(52.3)	35	28	0.41	(10.4)	2.54	(64.5)
2.05	(52.1)	40	32	0.40	(10.2)	2.53	(64.3)
2.04	(51.8)	45	36	0.39	(9.9)	2.52	(64.0)
2.03	(51.6)	49	40	0.38	(9.7)	2.51	(63.8)
2.02	(51.3)	52	44	0.37	(9.4)	2.50	(63.5)
2.01	(51.1)	55	48	0.36	(9.1)	2.49	(63.2)
2.00	(50.8)	58	52	0.35	(8.9)	2.48	(63.0)
1.99	(50.5)	61	54	0.34	(8.6)	2.47	(62.7)
1.98	(50.3)	64	56	0.33	(8.4)	2.46	(62.5)
1.97	(50.0)	67	58	0.32	(8.1)	2.45	(62.2)
1.96	(49.8)	70	60	0.31	(7.9)	2.44	(62.0)
1.95	(49.5)	73	62	0.30	(7.6)	2.43	(61.7)
1.94	(49.3)	76	64	0.29	(7.4)	2.42	(61.5)
1.93	(49.0)	79	66	0.28	(7.1)	2.41	(61.2)
1.92	(48.8)	82	68	0.27	(6.9)	2.40	(61.0)
1.91	(48.5)	85	70	0.26	(6.6)	2.39	(60.7)
1.90	(48.3)	88	72	0.25	(6.3)	2.38	(60.5)
1.89	(48.0)	91	74	0.24	(6.1)	2.37	(60.2)
1.88	(47.8)	94	76	0.23	(5.8)	2.36	(59.9)
1.87	(47.5)	97	78	0.22	(5.6)	2.35	(59.7)
1.86	(47.2)	100	80	0.21	(5.3)	2.34	(59.4)
1.85	(47.0)	103	82	0.20	(5.1)	2.33	(59.2)
1.84	(46.7)	106	84	0.19	(4.8)	2.32	(58.9)
1.83	(46.5)	109	86	0.18	(4.6)	2.31	(58.7)
1.82	(46.2)	112	88	0.17	(4.3)	2.30	(58.4)
1.81	(46.0)	115	90	0.16	(4.1)	2.29	(58.2)
1.80	(45.7)	118	92	0.15	(3.8)	2.28	(57.9)
1.79	(45.5)	121	94	0.14	(3.6)	2.27	(57.7)
1.78	(45.2)		96	0.13	(3.3)	2.26	(57.4)
1.77	(45.0)		98	0.12	(3.0)	2.25	(57.2)
1.76	(44.7)		100	0.11	(2.8)	2.24	(56.9)
1.75	(44.5)		102	0.10	(2.5)	2.23	(56.6)
1.74	(44.2)		104	0.09	(2.3)	2.22	(56.4)
1.73	(43.9)		106	0.08	(2.0)	2.21	(56.1)
1.72	(43.7)		108	0.07	(1.8)	2.20	(55.9)
1.71	(43.4)		110	0.06	(1.5)	2.19	(55.6)
1.70	(43.2)		112	0.05	(1.3)	2.18	(55.4)
1.69	(42.9)		114	0.04	(1.0)	2.17	(55.1)
1.68	(42.7)		116	0.03	(0.8)	2.16	(54.9)
1.67	(42.4)		118	0.02	(0.5)	2.15	(54.6)
1.66	(42.2)		120	0.01	(0.3)	2.14	(54.4)

Undercarriage Code: 1021, 1191, 3021, 3031, 3061

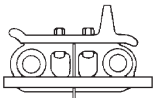
D3, 931, 933, 935, D4B, D4C — 6.125" (155.6 mm)

Bushings for Sealed & Lubricated Track

Small Stepped Bushings





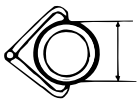


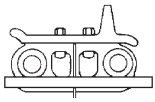
Caliper		Allowable Wear		Ultrasonic		Depth Gauge	
		Lesser	Greater				
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
1.97	(50.0)	0	0	0.40	(10.2)	2.52	(64.0)
1.96	(49.8)	6	5	0.39	(9.9)	2.51	(63.8)
1.95	(49.5)	12	10	0.38	(9.7)	2.50	(63.5)
1.94	(49.3)	18	15	0.37	(9.4)	2.49	(63.2)
1.93	(49.0)	24	20	0.36	(9.1)	2.48	(63.0)
1.92	(48.8)	30	25	0.35	(8.9)	2.47	(62.7)
1.91	(48.5)	36	30	0.34	(8.6)	2.46	(62.5)
1.90	(48.3)	42	35	0.33	(8.4)	2.45	(62.2)
1.89	(48.0)	48	40	0.32	(8.1)	2.44	(62.0)
1.88	(47.8)	54	45	0.31	(7.9)	2.43	(61.7)
1.87	(47.5)	60	50	0.30	(7.6)	2.42	(61.5)
1.86	(47.2)	66	55	0.29	(7.4)	2.41	(61.2)
1.85	(47.0)	72	60	0.28	(7.1)	2.40	(61.0)
1.84	(46.7)	78	65	0.27	(6.9)	2.39	(60.7)
1.83	(46.5)	84	70	0.26	(6.6)	2.38	(60.5)
1.82	(46.2)	88	72	0.25	(6.4)	2.37	(60.2)
1.81	(46.0)	91	74	0.24	(6.1)	2.36	(59.9)
1.80	(45.7)	94	76	0.23	(5.8)	2.35	(59.7)
1.79	(45.5)	97	78	0.22	(5.6)	2.34	(59.4)
1.78	(45.2)	100	80	0.21	(5.3)	2.33	(59.2)
1.77	(45.0)	103	82	0.20	(5.1)	2.32	(58.9)
1.76	(44.7)	106	84	0.19	(4.8)	2.31	(58.7)
1.75	(44.5)	109	86	0.18	(4.6)	2.30	(58.4)
1.74	(44.2)	112	88	0.17	(4.3)	2.29	(58.2)
1.73	(43.9)	115	90	0.16	(4.1)	2.28	(57.9)
1.72	(43.7)	118	92	0.15	(3.8)	2.27	(57.7)
1.71	(43.4)	121	94	0.14	(3.6)	2.26	(57.4)
1.70	(43.2)		96	0.13	(3.3)	2.25	(57.2)
1.69	(42.9)		98	0.12	(3.0)	2.24	(56.9)
1.68	(42.7)		100	0.11	(2.8)	2.23	(56.6)
1.67	(42.4)		102	0.10	(2.5)	2.22	(56.4)
1.66	(42.2)		104	0.09	(2.3)	2.21	(56.1)
1.65	(41.9)		106	0.08	(2.0)	2.20	(55.9)
1.64	(41.7)		108	0.07	(1.8)	2.19	(55.6)
1.63	(41.4)		110	0.06	(1.5)	2.18	(55.4)
1.62	(41.1)		112	0.05	(1.3)	2.17	(55.1)
1.61	(40.9)		114	0.04	(1.0)	2.16	(54.9)
1.60	(40.6)		116	0.03	(0.8)	2.15	(54.6)
1.59	(40.4)		118	0.02	(0.5)	2.14	(54.4)
1.58	(40.1)		120	0.01	(0.3)	2.13	(54.1)

Undercarriage Code: 102, 119, 302, 303, 306

Bushings for Sealed & Lubricated Track

Straight Bushings



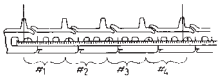


Caliper		Allowable Wear		Ultrasonic		Depth Gauge	
		Lesser	Greater				
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
1.85	(47.0)	0	0	0.34	(8.6)	2.39	(60.7)
1.84	(46.7)	8	6	0.33	(8.4)	2.38	(60.5)
1.83	(46.5)	16	12	0.32	(8.1)	2.37	(60.2)
1.82	(46.2)	24	18	0.31	(7.9)	2.36	(59.9)
1.81	(46.0)	32	24	0.30	(7.6)	2.35	(59.7)
1.80	(45.7)	40	30	0.29	(7.4)	2.34	(59.4)
1.79	(45.5)	48	36	0.28	(7.1)	2.33	(59.2)
1.78	(45.2)	56	42	0.27	(6.9)	2.32	(58.9)
1.77	(45.0)	64	48	0.26	(6.6)	2.31	(58.7)
1.76	(44.7)	72	54	0.25	(6.4)	2.30	(58.4)
1.75	(44.5)	80	60	0.24	(6.1)	2.29	(58.2)
1.74	(44.2)	88	66	0.23	(5.8)	2.28	(57.9)
1.73	(43.9)	96	72	0.22	(5.6)	2.27	(57.7)
1.72	(43.7)	100	78	0.21	(5.3)	2.26	(57.4)
1.71	(43.4)	103	82	0.20	(5.1)	2.25	(57.2)
1.70	(43.2)	106	84	0.19	(4.8)	2.24	(56.9)
1.69	(42.9)	109	86	0.18	(4.6)	2.23	(56.6)
1.68	(42.7)	112	88	0.17	(4.3)	2.22	(56.4)
1.67	(42.4)	115	90	0.16	(4.1)	2.21	(56.1)
1.66	(42.2)	118	92	0.15	(3.8)	2.20	(55.9)
1.65	(41.9)	121	94	0.14	(3.6)	2.19	(55.6)
1.64	(41.7)		96	0.13	(3.3)	2.18	(55.4)
1.63	(41.4)		98	0.12	(3.0)	2.17	(55.1)
1.62	(41.1)		100	0.11	(2.8)	2.16	(54.9)
1.61	(40.9)		102	0.10	(2.5)	2.15	(54.6)
1.60	(40.6)		104	0.09	(2.3)	2.14	(54.4)
1.59	(40.4)		106	0.08	(2.0)	2.13	(54.1)
1.58	(40.1)		108	0.07	(1.8)	2.12	(53.8)
1.57	(39.9)		110	0.06	(1.5)	2.11	(53.6)
1.56	(39.6)		112	0.05	(1.3)	2.10	(53.3)
1.55	(39.4)		114	0.04	(1.0)	2.09	(53.1)
1.54	(39.1)		116	0.03	(0.8)	2.08	(52.8)
1.53	(38.9)		118	0.02	(0.5)	2.07	(52.6)
1.52	(38.6)		120	0.01	(0.3)	2.06	(52.3)

Undercarriage Code: 101, 301, 305

Pins and Bushings for Sealed Track

Internal Wear

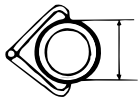


Inches	(mm)	% Worn
24.55	(623.5)	0
24.60	(625.0)	10
24.65	(626.0)	20
24.70	(627.5)	30
24.75	(628.5)	40
24.80	(630.0)	50
24.85	(631.0)	60
24.90	(632.5)	70
24.95	(633.5)	80
25.00	(635.0)	90
25.05	(636.5)	100
25.10	(637.5)	105
25.15	(639.0)	110
25.20	(640.0)	115
25.25	(641.5)	120

Undercarriage Code: 101, 102, 119, 301, 302, 303, 305, 306

Bushings for Sealed Track

External Wear
Stepped Bushing





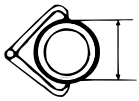
Caliper		Allowable Wear		Ultrasonic	
		Lesser	Greater		
Inches	(mm)	% Worn	% Worn	Inches	(mm)
1.97	(50.0)	0	0	0.40	(10.2)
1.96	(49.8)	8	6	0.39	(9.9)
1.95	(49.5)	16	12	0.38	(9.7)
1.94	(49.3)	24	18	0.37	(9.4)
1.93	(49.0)	32	24	0.36	(9.1)
1.92	(48.8)	40	30	0.35	(8.9)
1.91	(48.5)	48	36	0.34	(8.6)
1.90	(48.3)	56	42	0.33	(8.4)
1.89	(48.0)	64	48	0.32	(8.1)
1.88	(47.8)	72	54	0.31	(7.9)
1.87	(47.5)	76	60	0.30	(7.6)
1.86	(47.2)	80	64	0.29	(7.4)
1.85	(47.0)	84	67	0.28	(7.1)
1.84	(46.7)	88	70	0.27	(6.9)
1.83	(46.5)	92	73	0.26	(6.6)
1.82	(46.2)	96	76	0.25	(6.4)
1.81	(46.0)	100	79	0.24	(6.1)
1.80	(45.7)	104	82	0.23	(5.8)
1.79	(45.5)	108	85	0.22	(5.6)
1.78	(45.2)	112	88	0.21	(5.3)
1.77	(45.0)	116	91	0.20	(5.1)
1.76	(44.7)	120	94	0.19	(4.8)
1.75	(44.5)		97	0.18	(4.6)
1.74	(44.2)		100	0.17	(4.3)
1.73	(43.9)		103	0.16	(4.1)
1.72	(43.7)		106	0.15	(3.8)
1.71	(43.4)		109	0.14	(3.6)
1.70	(43.2)		112	0.13	(3.3)
1.69	(42.9)		115	0.12	(3.0)
1.68	(42.7)		118	0.11	(2.8)
1.67	(42.4)		121	0.10	(2.5)

Undercarriage Code: 102, 119, 302, 303, 306

D3, 931, 933, 935, D4B, D4C — 6.125" (155.6 mm)

Bushings for Sealed Track

External Wear
Straight Bushing



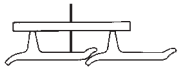


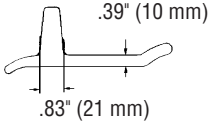
Caliper Inches	Caliper (mm)	Allowable Wear Lesser % Worn	Allowable Wear Greater % Worn	Ultrasonic Inches	Ultrasonic (mm)
1.85	(47.0)	0	0	0.35	(8.9)
1.84	(46.7)	10	7	0.34	(8.6)
1.83	(46.5)	20	14	0.33	(8.4)
1.82	(46.2)	30	21	0.32	(8.1)
1.81	(46.0)	40	28	0.31	(7.9)
1.80	(45.7)	50	35	0.30	(7.6)
1.79	(45.5)	60	42	0.29	(7.4)
1.78	(45.2)	70	49	0.28	(7.1)
1.77	(45.0)	80	56	0.27	(6.9)
1.76	(44.7)	90	63	0.26	(6.6)
1.75	(44.5)	96	70	0.25	(6.4)
1.74	(44.2)	100	77	0.24	(6.1)
1.73	(43.9)	104	82	0.23	(5.8)
1.72	(43.7)	108	85	0.22	(5.6)
1.71	(43.4)	112	88	0.21	(5.3)
1.70	(43.2)	116	91	0.20	(5.1)
1.69	(42.9)	120	94	0.19	(4.8)
1.68	(42.7)		97	0.18	(4.6)
1.67	(42.4)		100	0.17	(4.3)
1.66	(42.2)		103	0.16	(4.1)
1.65	(41.9)		106	0.15	(3.8)
1.64	(41.7)		109	0.14	(3.6)
1.63	(41.4)		112	0.13	(3.3)
1.62	(41.1)		115	0.12	(3.0)
1.61	(40.9)		118	0.11	(2.8)
1.60	(40.6)		121	0.10	(2.5)

Undercarriage Code: 101, 301, 305

Track Shoes

Extreme Service





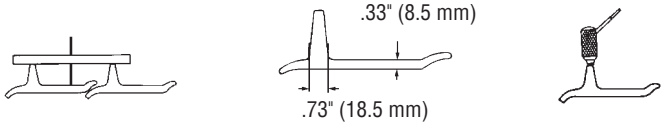


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
2.10	(53.5)	0	2.50	(63.5)
2.05	(52.0)	4	2.45	(62.2)
2.00	(51.0)	8	2.40	(61.0)
1.95	(49.5)	12	2.35	(59.7)
1.90	(48.5)	16	2.30	(58.4)
1.85	(47.0)	20	2.25	(57.2)
1.80	(45.5)	24	2.20	(55.9)
1.75	(44.5)	28	2.15	(54.6)
1.70	(43.0)	32	2.10	(53.3)
1.65	(42.0)	36	2.05	(52.1)
1.60	(40.5)	40	2.00	(50.8)
1.55	(39.5)	44	1.95	(49.5)
1.50	(38.0)	48	1.90	(48.3)
1.45	(37.0)	52	1.85	(47.0)
1.40	(35.5)	56	1.80	(45.7)
1.35	(34.5)	60	1.75	(44.5)
1.30	(33.0)	64	1.70	(43.2)
1.25	(32.0)	68	1.65	(41.9)
1.20	(30.5)	72	1.60	(40.6)
1.15	(29.0)	76	1.55	(39.4)
1.10	(28.0)	79	1.50	(38.1)
1.05	(26.5)	82	1.45	(36.8)
1.00	(25.5)	85	1.40	(35.6)
0.95	(24.0)	88	1.35	(34.3)
0.90	(23.0)	91	1.30	(33.0)
0.85	(21.5)	94	1.25	(31.8)
0.80	(20.5)	97	1.20	(30.5)
0.75	(19.0)	100	1.15	(29.2)
0.70	(18.0)	103	1.10	(27.9)
0.65	(16.5)	106	1.05	(26.7)
0.60	(15.0)	109	1.00	(25.4)
0.55	(14.0)	112	0.95	(24.1)
0.50	(12.5)	115	0.90	(22.9)
0.45	(11.5)	118	0.85	(21.6)
0.40	(10.0)	121	0.80	(20.3)

Undercarriage Code: 102, 1021, 119, 1191, 302, 3021, 303, 3031, 306, 3061

Track Shoes

Moderate Service

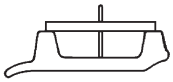


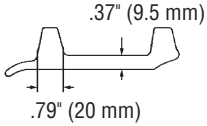
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.85	(47.0)	0	2.20	(55.9)
1.80	(45.5)	5	2.15	(54.6)
1.75	(44.5)	10	2.10	(53.3)
1.70	(43.0)	15	2.05	(52.1)
1.65	(42.0)	20	2.00	(50.8)
1.60	(40.5)	25	1.95	(49.5)
1.55	(39.5)	30	1.90	(48.3)
1.50	(38.0)	35	1.85	(47.0)
1.45	(37.0)	40	1.80	(45.7)
1.40	(35.5)	45	1.75	(44.5)
1.35	(34.5)	50	1.70	(43.2)
1.30	(33.0)	55	1.65	(41.9)
1.25	(32.0)	60	1.60	(40.6)
1.20	(30.5)	64	1.55	(39.4)
1.15	(29.0)	68	1.50	(38.1)
1.10	(28.0)	72	1.45	(36.8)
1.05	(26.5)	76	1.40	(35.6)
1.00	(25.5)	80	1.35	(34.3)
0.95	(24.0)	84	1.30	(33.0)
0.90	(23.0)	88	1.25	(31.8)
0.85	(21.5)	92	1.20	(30.5)
0.80	(20.5)	96	1.15	(29.2)
0.75	(19.0)	100	1.10	(27.9)
0.70	(18.0)	104	1.05	(26.7)
0.65	(16.5)	108	1.00	(25.4)
0.60	(15.0)	112	0.95	(24.1)
0.55	(14.0)	116	0.90	(22.9)
0.50	(12.5)	120	0.85	(21.6)

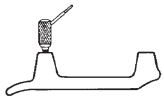
Undercarriage Code: 101, 102, 1021, 119, 1191, 301, 302, 3021, 303, 3031, 305, 306, 3061

Track Shoes

Double Grouser







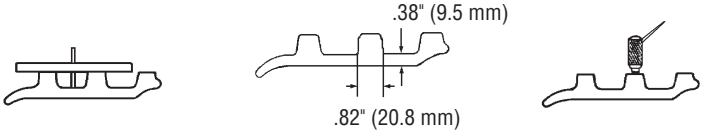
Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
1.15	(29.0)	0	1.50	(38.1)
1.10	(28.0)	8	1.45	(36.8)
1.05	(26.5)	16	1.40	(35.6)
1.00	(25.5)	24	1.35	(34.3)
0.95	(24.0)	32	1.30	(33.0)
0.90	(23.0)	40	1.25	(31.8)
0.85	(21.5)	48	1.20	(30.5)
0.80	(20.5)	56	1.15	(29.2)
0.75	(19.0)	64	1.10	(27.9)
0.70	(18.0)	72	1.05	(26.7)
0.65	(16.5)	79	1.00	(25.4)
0.60	(15.0)	86	0.95	(24.1)
0.55	(14.0)	93	0.90	(22.9)
0.50	(12.5)	100	0.85	(21.6)
0.45	(11.5)	107	0.80	(20.3)
0.40	(10.0)	114	0.75	(19.1)
0.35	(9.0)	121	0.70	(17.8)

Undercarriage Code: 101, 102, 1021, 119, 1191, 301, 302, 3021, 303, 3031, 305, 306, 3061

D3, 931, 933, 935, D4B, D4C — 6.125" (155.6 mm)

Track Shoes

Triple Grouser

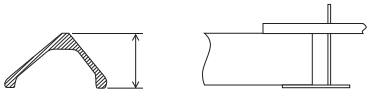


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
0.60	(15.0)	0	1.00	(25.4)
0.55	(14.0)	15	0.95	(24.1)
0.50	(12.5)	30	0.90	(22.9)
0.45	(11.5)	44	0.85	(21.6)
0.40	(10.0)	58	0.80	(20.3)
0.35	(9.0)	72	0.75	(19.1)
0.30	(7.5)	86	0.70	(17.8)
0.25	(6.5)	100	0.65	(16.5)
0.20	(5.0)	114	0.60	(15.2)
0.15	(4.0)	128	0.55	(14.0)

Undercarriage Code: 101, 102, 1021, 119, 1191, 301, 302, 3021, 303, 3031, 305, 306, 3061

Track Shoes

Self Cleaning

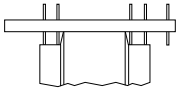


Depth Gauge Inches	(mm)	% Worn
3.02	(76.5)	0
3.00	(76.0)	6
2.98	(75.5)	12
2.96	(75.0)	18
2.94	(74.5)	24
2.92	(74.0)	30
2.90	(73.5)	36
2.88	(73.0)	42
2.86	(72.5)	48
2.84	(72.0)	54
2.82	(71.5)	60
2.80	(71.0)	66
2.78	(70.5)	72
2.76	(70.0)	76
2.74	(69.5)	80
2.72	(69.0)	84
2.70	(68.5)	88
2.68	(68.0)	92
2.66	(67.5)	96
2.64	(67.0)	100
2.62	(66.5)	104
2.60	(66.0)	108
2.58	(65.5)	112
2.56	(65.0)	116
2.54	(64.5)	120

Undercarriage Code: 101, 102, 1021, 119, 1191

D3, 931, 933, 935, D4B, D4C — 6.125" (155.6 mm)

Idlers



Depth Gauge Inches	(mm)	% Worn
0.62	(15.5)	0
0.64	(16.5)	12
0.66	(17.0)	24
0.68	(17.5)	36
0.70	(18.0)	48
0.72	(18.5)	60
0.74	(19.0)	68
0.76	(19.5)	76
0.78	(20.0)	84
0.80	(20.5)	92
0.82	(21.0)	100
0.84	(21.5)	108
0.86	(22.0)	116
0.88	(22.5)	124

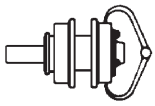
Flange width: 2.11" (53.5 mm)

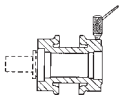
NOTE: On earlier, single web idlers the manufacturing process erroneously permitted a crowned center flange. When measuring earlier, single web idlers with a crown, subtract .10" (2.4 mm) from the actual wear measurement when determining percent worn. Reference: IRM UC92-23.

Undercarriage Code: 101, 102, 1021, 119, 1191, 301, 302, 3021, 303, 3031, 305, 306, 3061

Carrier Rollers

Use with 6Y Links





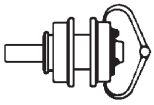
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
5.88	(149.5)	0	1.38	(35.1)
5.84	(148.5)	6	1.36	(34.5)
5.80	(147.5)	12	1.34	(34.0)
5.76	(146.5)	18	1.32	(33.5)
5.72	(145.5)	24	1.30	(33.0)
5.68	(144.5)	30	1.28	(32.5)
5.64	(143.5)	36	1.26	(32.0)
5.60	(142.0)	42	1.24	(31.5)
5.56	(141.0)	48	1.22	(31.0)
5.52	(140.0)	54	1.20	(30.5)
5.48	(139.0)	60	1.18	(30.0)
5.44	(138.0)	66	1.16	(29.5)
5.40	(137.0)	72	1.14	(29.0)
5.36	(136.0)	78	1.12	(28.4)
5.32	(135.0)	84	1.10	(27.9)
5.28	(134.0)	90	1.08	(27.4)
5.24	(133.0)	96	1.06	(26.9)
5.20	(132.0)	100	1.04	(26.4)
5.16	(131.0)	104	1.02	(25.9)
5.12	(130.0)	108	1.00	(25.4)
5.08	(129.0)	112	0.98	(24.9)
5.04	(128.0)	116	0.96	(24.4)
5.00	(127.0)	120	0.94	(23.9)

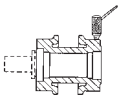
Undercarriage Code: 102, 1021, 119, 1191, 302, 3021, 303, 3031, 306, 3061

D3, 931, 933, 935, D4B, D4C — 6.125" (155.6 mm)

Carrier Rollers

Use with 6S Links



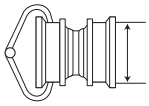
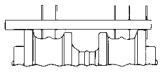
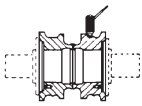


Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
5.88	(149.5)	0	1.38	(35.1)
5.84	(148.5)	9	1.36	(34.5)
5.80	(147.5)	18	1.34	(34.0)
5.76	(146.5)	27	1.32	(33.5)
5.72	(145.5)	36	1.30	(33.0)
5.68	(144.5)	45	1.28	(32.5)
5.64	(143.5)	54	1.26	(32.0)
5.60	(142.0)	63	1.24	(31.5)
5.56	(141.0)	70	1.22	(31.0)
5.52	(140.0)	76	1.20	(30.5)
5.48	(139.0)	82	1.18	(30.0)
5.44	(138.0)	88	1.16	(29.5)
5.40	(137.0)	94	1.14	(29.0)
5.36	(136.0)	100	1.12	(28.4)
5.32	(135.0)	106	1.10	(27.9)
5.28	(134.0)	112	1.08	(27.4)
5.24	(133.0)	118	1.06	(26.9)
5.20	(132.0)	124	1.04	(26.4)

Undercarriage Code: 101, 301, 305

Track Rollers

Use with 6Y Links

Caliper Inches	Caliper (mm)	% Worn	Depth Gauge Inches	Depth Gauge (mm)	Ultrasonic Inches	Ultrasonic (mm)
6.00	(152.5)	0	0.43	(11.0)	1.43	(36.3)
5.98	(152.0)	3	0.44	(11.0)	1.42	(36.1)
5.96	(151.5)	6	0.45	(11.5)	1.41	(35.8)
5.94	(151.0)	9	0.46	(11.5)	1.40	(35.6)
5.92	(150.5)	12	0.47	(12.0)	1.39	(35.3)
5.90	(150.0)	15	0.48	(12.0)	1.38	(35.1)
5.88	(149.5)	18	0.49	(12.5)	1.37	(34.8)
5.86	(149.0)	21	0.50	(12.5)	1.36	(34.5)
5.84	(148.5)	24	0.51	(13.0)	1.35	(34.3)
5.82	(148.0)	27	0.52	(13.0)	1.34	(34.0)
5.80	(147.5)	30	0.53	(13.5)	1.33	(33.8)
5.78	(147.0)	33	0.54	(13.5)	1.32	(33.5)
5.76	(146.5)	36	0.55	(14.0)	1.31	(33.3)
5.74	(146.0)	39	0.56	(14.0)	1.30	(33.0)
5.72	(145.5)	42	0.57	(14.5)	1.29	(32.8)
5.70	(145.0)	45	0.58	(14.5)	1.28	(32.5)
5.68	(144.5)	48	0.59	(15.0)	1.27	(32.3)
5.66	(144.0)	51	0.60	(15.0)	1.26	(32.0)
5.64	(143.5)	54	0.61	(15.5)	1.25	(31.8)
5.62	(142.5)	57	0.62	(15.5)	1.24	(31.5)
5.60	(142.0)	60	0.63	(16.0)	1.23	(31.2)
5.58	(141.5)	63	0.64	(16.5)	1.22	(31.0)
5.56	(141.0)	66	0.65	(16.5)	1.21	(30.7)
5.54	(140.5)	68	0.66	(17.0)	1.20	(30.5)
5.52	(140.0)	70	0.67	(17.0)	1.19	(30.2)
5.50	(139.5)	72	0.68	(17.5)	1.18	(30.0)
5.48	(139.0)	74	0.69	(17.5)	1.17	(29.7)
5.46	(138.5)	76	0.70	(18.0)	1.16	(29.5)
5.44	(138.0)	78	0.71	(18.0)	1.15	(29.2)
5.42	(137.5)	80	0.72	(18.5)	1.14	(29.0)
5.40	(137.0)	82	0.73	(18.5)	1.13	(28.7)
5.38	(136.5)	84	0.74	(19.0)	1.12	(28.4)
5.36	(136.0)	86	0.75	(19.0)	1.11	(28.2)
5.34	(135.5)	88	0.76	(19.5)	1.10	(27.9)
5.32	(135.0)	90	0.77	(19.5)	1.09	(27.7)
5.30	(134.5)	92	0.78	(20.0)	1.08	(27.4)
5.28	(134.0)	94	0.79	(20.0)	1.07	(27.2)
5.26	(133.5)	96	0.80	(20.5)	1.06	(26.9)
5.24	(133.0)	98	0.81	(20.5)	1.05	(26.7)
5.22	(132.5)	100	0.82	(21.0)	1.04	(26.4)
5.20	(132.0)	102	0.83	(21.0)	1.03	(26.2)
5.18	(131.5)	104	0.84	(21.5)	1.02	(25.9)
5.16	(131.0)	106	0.85	(21.5)	1.01	(25.7)
5.14	(130.5)	108	0.86	(22.0)	1.00	(25.4)
5.12	(130.0)	110	0.87	(22.0)	0.99	(25.1)
5.10	(129.5)	112	0.88	(22.5)	0.98	(24.9)
5.08	(129.0)	114	0.89	(22.5)	0.97	(24.6)
5.06	(128.5)	116	0.90	(23.0)	0.96	(24.4)
5.04	(128.0)	118	0.91	(23.0)	0.95	(24.1)
5.02	(127.5)	120	0.92	(23.5)	0.94	(23.9)

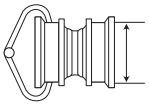
Flange diameter is 6.88" (175 mm)

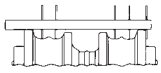
Undercarriage Code: 102, 1021, 119, 1191, 302, 3021, 303, 3031, 306, 3061

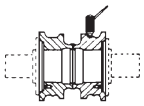
D3, 931, 933, 935, D4B, D4C — 6.125" (155.6 mm)

Track Rollers

Use with 6S Links







Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
6.00	(152.5)	0	0.43	(11.0)	1.43	(36.3)
5.98	(152.0)	4	0.44	(11.0)	1.42	(36.1)
5.96	(151.5)	8	0.45	(11.5)	1.41	(35.8)
5.94	(151.0)	12	0.46	(11.5)	1.40	(35.6)
5.92	(150.5)	16	0.47	(12.0)	1.39	(35.3)
5.90	(150.0)	20	0.48	(12.0)	1.38	(35.1)
5.88	(149.5)	24	0.49	(12.5)	1.37	(34.8)
5.86	(149.0)	28	0.50	(12.5)	1.36	(34.5)
5.84	(148.5)	31	0.51	(13.0)	1.35	(34.3)
5.82	(148.0)	34	0.52	(13.0)	1.34	(34.0)
5.80	(147.5)	37	0.53	(13.5)	1.33	(33.8)
5.78	(147.0)	40	0.54	(13.5)	1.32	(33.5)
5.76	(146.5)	43	0.55	(14.0)	1.31	(33.3)
5.74	(146.0)	46	0.56	(14.0)	1.30	(33.0)
5.72	(145.5)	49	0.57	(14.5)	1.29	(32.8)
5.70	(145.0)	52	0.58	(14.5)	1.28	(32.5)
5.68	(144.5)	55	0.59	(15.0)	1.27	(32.3)
5.66	(144.0)	58	0.60	(15.0)	1.26	(32.0)
5.64	(143.5)	61	0.61	(15.5)	1.25	(31.8)
5.62	(142.5)	64	0.62	(15.5)	1.24	(31.5)
5.60	(142.0)	67	0.63	(16.0)	1.23	(31.2)
5.58	(141.5)	70	0.64	(16.5)	1.22	(31.0)
5.56	(141.0)	73	0.65	(16.5)	1.21	(30.7)
5.54	(140.5)	76	0.66	(17.0)	1.20	(30.5)
5.52	(140.0)	79	0.67	(17.0)	1.19	(30.2)
5.50	(139.5)	82	0.68	(17.5)	1.18	(30.0)
5.48	(139.0)	85	0.69	(17.5)	1.17	(29.7)
5.46	(138.5)	88	0.70	(18.0)	1.16	(29.5)
5.44	(138.0)	91	0.71	(18.0)	1.15	(29.2)
5.42	(137.5)	94	0.72	(18.5)	1.14	(29.0)
5.40	(137.0)	97	0.73	(18.5)	1.13	(28.7)
5.38	(136.5)	100	0.74	(19.0)	1.12	(28.4)
5.36	(136.0)	103	0.75	(19.0)	1.11	(28.2)
5.34	(135.5)	106	0.76	(19.5)	1.10	(27.9)
5.32	(135.0)	109	0.77	(19.5)	1.09	(27.7)
5.30	(134.5)	112	0.78	(20.0)	1.08	(27.4)
5.28	(134.0)	115	0.79	(20.0)	1.07	(27.2)
5.26	(133.5)	118	0.80	(20.5)	1.06	(26.9)
5.24	(133.0)	121	0.81	(20.5)	1.05	(26.7)

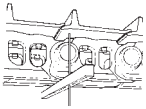
Flange diameter is 6.88" (175 mm)

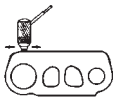
Undercarriage Code: 101, 301, 305

NOTES

Track Links

9K6628 & 29
7K1825 & 26



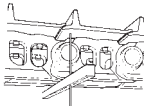


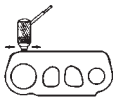
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
3.75	(95.5)	0	1.00	(25.4)
3.73	(94.5)	8	0.98	(24.9)
3.71	(94.0)	16	0.96	(24.4)
3.69	(93.5)	24	0.94	(23.9)
3.67	(93.0)	32	0.92	(23.4)
3.65	(92.5)	40	0.90	(22.9)
3.63	(92.0)	46	0.88	(22.4)
3.61	(91.5)	52	0.86	(21.8)
3.59	(91.0)	58	0.84	(21.3)
3.57	(90.5)	64	0.82	(20.8)
3.55	(90.0)	70	0.80	(20.3)
3.53	(89.5)	76	0.78	(19.8)
3.51	(89.0)	82	0.76	(19.3)
3.49	(88.5)	88	0.74	(18.8)
3.47	(88.0)	94	0.72	(18.3)
3.45	(87.5)	100	0.70	(17.8)
3.43	(87.0)	106	0.68	(17.3)
3.41	(86.5)	112	0.66	(16.8)
3.39	(86.0)	118	0.64	(16.3)
3.37	(85.5)	124	0.62	(15.7)

Undercarriage Code: 118, 313

Track Links

5K9423 & 24
5K9457 & 58



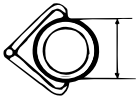


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
3.65	(92.5)	0	1.07	(27.2)
3.63	(92.0)	7	1.05	(26.7)
3.61	(91.5)	14	1.03	(26.2)
3.59	(91.0)	21	1.01	(25.7)
3.57	(90.5)	28	0.99	(25.1)
3.55	(90.0)	35	0.97	(24.6)
3.53	(89.5)	42	0.95	(24.1)
3.51	(89.0)	49	0.93	(23.6)
3.49	(88.5)	56	0.91	(23.1)
3.47	(88.0)	63	0.89	(22.6)
3.45	(87.5)	70	0.87	(22.1)
3.43	(87.0)	75	0.85	(21.6)
3.41	(86.5)	80	0.83	(21.1)
3.39	(86.0)	85	0.81	(20.6)
3.37	(85.5)	90	0.79	(20.1)
3.35	(85.0)	95	0.77	(19.6)
3.33	(84.5)	100	0.75	(19.1)
3.31	(84.0)	105	0.73	(18.5)
3.29	(83.5)	110	0.71	(18.0)
3.27	(83.0)	115	0.69	(17.5)
3.25	(82.5)	120	0.67	(17.0)

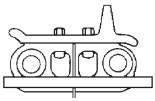
Undercarriage Code: 116, 311

D4, 941 — 6.75" (171.5 mm)

Bushings for Sealed & Lubricated Track





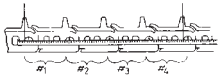


Caliper		Allowable Wear Lesser	Allowable Wear Greater	Ultrasonic		Depth Gauge	
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
2.24	(56.9)	0	0	0.44	(11.2)	2.81	(71.4)
2.23	(56.6)	6	5	0.43	(10.9)	2.80	(71.1)
2.22	(56.4)	12	10	0.42	(10.7)	2.79	(70.9)
2.21	(56.1)	18	15	0.41	(10.4)	2.78	(70.6)
2.20	(55.9)	24	20	0.40	(10.2)	2.77	(70.4)
2.19	(55.6)	30	25	0.39	(9.9)	2.76	(70.1)
2.18	(55.4)	36	30	0.38	(9.7)	2.75	(69.9)
2.17	(55.1)	42	35	0.37	(9.4)	2.74	(69.6)
2.16	(54.9)	48	40	0.36	(9.1)	2.73	(69.3)
2.15	(54.6)	54	45	0.35	(8.9)	2.72	(69.1)
2.14	(54.4)	60	50	0.34	(8.6)	2.71	(68.8)
2.13	(54.1)	64	55	0.33	(8.4)	2.70	(68.6)
2.12	(53.8)	67	58	0.32	(8.1)	2.69	(68.3)
2.11	(53.6)	70	60	0.31	(7.9)	2.68	(68.1)
2.10	(53.3)	73	62	0.30	(7.6)	2.67	(67.8)
2.09	(53.1)	76	64	0.29	(7.4)	2.66	(67.6)
2.08	(52.8)	79	66	0.28	(7.1)	2.65	(67.3)
2.07	(52.6)	82	68	0.27	(6.9)	2.64	(67.1)
2.06	(52.3)	85	70	0.26	(6.6)	2.63	(66.8)
2.05	(52.1)	88	72	0.25	(6.4)	2.62	(66.5)
2.04	(51.8)	91	74	0.24	(6.1)	2.61	(66.3)
2.03	(51.6)	94	76	0.23	(5.8)	2.60	(66.0)
2.02	(51.3)	97	78	0.22	(5.6)	2.59	(65.8)
2.01	(51.1)	100	80	0.21	(5.3)	2.58	(65.5)
2.00	(50.8)	103	82	0.20	(5.1)	2.57	(65.3)
1.99	(50.5)	106	84	0.19	(4.8)	2.56	(65.0)
1.98	(50.3)	109	86	0.18	(4.6)	2.55	(64.8)
1.97	(50.0)	112	88	0.17	(4.3)	2.54	(64.5)
1.96	(49.8)	115	90	0.16	(4.1)	2.53	(64.3)
1.95	(49.5)	118	92	0.15	(3.8)	2.52	(64.0)
1.94	(49.3)	121	94	0.14	(3.6)	2.51	(63.8)
1.93	(49.0)		96	0.13	(3.3)	2.50	(63.5)
1.92	(48.8)		98	0.12	(3.0)	2.49	(63.2)
1.91	(48.5)		100	0.11	(2.8)	2.48	(63.0)
1.90	(48.3)		102	0.10	(2.5)	2.47	(62.7)
1.89	(48.0)		104	0.09	(2.3)	2.46	(62.5)
1.88	(47.8)		106	0.08	(2.0)	2.45	(62.2)
1.87	(47.5)		108	0.07	(1.8)	2.44	(62.0)
1.86	(47.2)		110	0.06	(1.5)	2.43	(61.7)
1.85	(47.0)		112	0.05	(1.3)	2.42	(61.5)
1.84	(46.7)		114	0.04	(1.0)	2.41	(61.2)
1.83	(46.5)		116	0.03	(0.8)	2.40	(61.0)
1.82	(46.2)		118	0.02	(0.5)	2.39	(60.7)
1.81	(46.0)		120	0.01	(0.3)	2.38	(60.5)

Undercarriage Code: 118, 313

Pins and Bushings for Sealed Track

Internal Wear



Inches	(mm)	% Worn
27.00	(686.0)	0
27.05	(687.0)	10
27.10	(688.5)	20
27.15	(689.5)	30
27.20	(691.0)	40
27.25	(692.0)	50
27.30	(693.5)	60
27.35	(694.5)	70
27.40	(696.0)	80
27.45	(697.0)	90
27.50	(698.5)	100
27.55	(700.0)	105
27.60	(701.0)	110
27.65	(702.5)	115
27.70	(703.5)	120

Undercarriage Code: 116, 118, 311, 313

Bushings for Sealed Track

External Wear
Use with 7K and 9K Links





Caliper		Allowable Wear		Ultrasonic	
		Lesser	Greater		
Inches	(mm)	% Worn	% Worn	Inches	(mm)
2.14	(54.4)	0	0	0.39	(9.9)
2.13	(54.1)	9	7	0.38	(9.7)
2.12	(53.8)	18	14	0.37	(9.4)
2.11	(53.6)	27	21	0.36	(9.1)
2.10	(53.3)	36	28	0.35	(8.9)
2.09	(53.1)	45	35	0.34	(8.6)
2.08	(52.8)	54	42	0.33	(8.4)
2.07	(52.6)	63	49	0.32	(8.1)
2.06	(52.3)	72	56	0.31	(7.9)
2.05	(52.1)	81	63	0.30	(7.6)
2.04	(51.8)	88	70	0.29	(7.4)
2.03	(51.6)	92	73	0.28	(7.1)
2.02	(51.3)	96	76	0.27	(6.9)
2.01	(51.1)	100	79	0.26	(6.6)
2.00	(50.8)	104	82	0.25	(6.4)
1.99	(50.5)	108	85	0.24	(6.1)
1.98	(50.3)	112	88	0.23	(5.8)
1.97	(50.0)	116	91	0.22	(5.6)
1.96	(49.8)	120	94	0.21	(5.3)
1.95	(49.5)		97	0.20	(5.1)
1.94	(49.3)		100	0.19	(4.8)
1.93	(49.0)		103	0.18	(4.6)
1.92	(48.8)		106	0.17	(4.3)
1.91	(48.5)		109	0.16	(4.1)
1.90	(48.3)		112	0.15	(3.8)
1.89	(48.0)		115	0.14	(3.6)
1.88	(47.8)		118	0.13	(3.3)
1.87	(47.5)		121	0.12	(3.0)

Bushings for Sealed Track

External Wear
Use with 5K Links





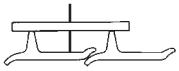
Caliper Inches	(mm)	Allowable Wear Lesser % Worn	Greater % Worn	Ultrasonic Inches	(mm)
2.01	(51.1)	0	0	0.33	(8.4)
2.00	(50.8)	9	7	0.32	(8.1)
1.99	(50.5)	18	14	0.31	(7.9)
1.98	(50.3)	27	21	0.30	(7.6)
1.97	(50.0)	36	28	0.29	(7.4)
1.96	(49.8)	45	35	0.28	(7.1)
1.95	(49.5)	54	42	0.27	(6.9)
1.94	(49.3)	63	49	0.26	(6.6)
1.93	(49.0)	72	56	0.25	(6.4)
1.92	(48.8)	81	63	0.24	(6.1)
1.91	(48.5)	88	70	0.23	(5.8)
1.90	(48.3)	92	73	0.22	(5.6)
1.89	(48.0)	96	76	0.21	(5.3)
1.88	(47.8)	100	79	0.20	(5.1)
1.87	(47.5)	104	82	0.19	(4.8)
1.86	(47.2)	108	85	0.18	(4.6)
1.85	(47.0)	112	88	0.17	(4.3)
1.84	(46.7)	116	91	0.16	(4.1)
1.83	(46.5)	120	94	0.15	(3.8)
1.82	(46.2)		97	0.14	(3.6)
1.81	(46.0)		100	0.13	(3.3)
1.80	(45.7)		103	0.12	(3.0)
1.79	(45.5)		106	0.11	(2.8)
1.78	(45.2)		109	0.10	(2.5)
1.77	(45.0)		112	0.09	(2.3)
1.76	(44.7)		115	0.08	(2.0)
1.75	(44.5)		118	0.07	(1.8)
1.74	(44.2)		121	0.06	(1.5)

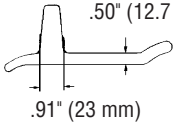
Undercarriage Code: 116, 311

D4, 941 — 6.75" (171.5 mm)

Track Shoes

Extreme Service





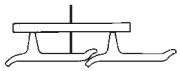


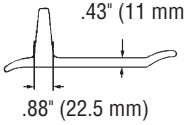
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
2.25	(57.0)	0	2.75	(69.9)
2.20	(56.0)	4	2.70	(68.6)
2.15	(54.5)	8	2.65	(67.4)
2.10	(53.5)	12	2.60	(66.1)
2.05	(52.0)	16	2.55	(64.8)
2.00	(51.0)	20	2.50	(63.6)
1.95	(49.5)	24	2.45	(62.3)
1.90	(48.5)	28	2.40	(61.0)
1.85	(47.0)	32	2.35	(59.7)
1.80	(45.5)	36	2.30	(58.5)
1.75	(44.5)	40	2.25	(57.2)
1.70	(43.0)	44	2.20	(55.9)
1.65	(42.0)	48	2.15	(54.7)
1.60	(40.5)	52	2.10	(53.4)
1.55	(39.5)	56	2.05	(52.1)
1.50	(38.0)	60	2.00	(50.9)
1.45	(37.0)	64	1.95	(49.6)
1.40	(35.5)	67	1.90	(48.3)
1.35	(34.5)	70	1.85	(47.0)
1.30	(33.0)	73	1.80	(45.8)
1.25	(32.0)	76	1.75	(44.5)
1.20	(30.5)	79	1.70	(43.2)
1.15	(29.0)	82	1.65	(42.0)
1.10	(28.0)	85	1.60	(40.7)
1.05	(26.5)	88	1.55	(39.4)
1.00	(25.5)	91	1.50	(38.2)
0.95	(24.0)	94	1.45	(36.9)
0.90	(23.0)	97	1.40	(35.6)
0.85	(21.5)	100	1.35	(34.3)
0.80	(20.5)	103	1.30	(33.1)
0.75	(19.0)	106	1.25	(31.8)
0.70	(18.0)	109	1.20	(30.5)
0.65	(16.5)	112	1.15	(29.3)
0.60	(15.0)	115	1.10	(28.0)
0.55	(14.0)	118	1.05	(26.7)
0.50	(12.5)	121	1.00	(25.5)

Undercarriage Code: 116, 118, 311, 313

Track Shoes

Moderate Service







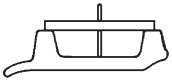
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.85	(47.0)	0	2.30	(58.4)
1.80	(45.5)	5	2.25	(57.2)
1.75	(44.5)	10	2.20	(55.9)
1.70	(43.0)	15	2.15	(54.6)
1.65	(42.0)	20	2.10	(53.3)
1.60	(40.5)	25	2.05	(52.1)
1.55	(39.5)	30	2.00	(50.8)
1.50	(38.0)	35	1.95	(49.5)
1.45	(37.0)	40	1.90	(48.3)
1.40	(35.5)	45	1.85	(47.0)
1.35	(34.5)	50	1.80	(45.7)
1.30	(33.0)	55	1.75	(44.5)
1.25	(32.0)	60	1.70	(43.2)
1.20	(30.5)	64	1.65	(41.9)
1.15	(29.0)	68	1.60	(40.6)
1.10	(28.0)	72	1.55	(39.4)
1.05	(26.5)	76	1.50	(38.1)
1.00	(25.5)	80	1.45	(36.8)
0.95	(24.0)	84	1.40	(35.6)
0.90	(23.0)	88	1.35	(34.3)
0.85	(21.5)	92	1.30	(33.0)
0.80	(20.5)	96	1.25	(31.8)
0.75	(19.0)	100	1.20	(30.5)
0.70	(18.0)	104	1.15	(29.2)
0.65	(16.5)	108	1.10	(27.9)
0.60	(15.0)	112	1.05	(26.7)
0.55	(14.0)	116	1.00	(25.4)
0.50	(12.5)	120	0.95	(24.1)

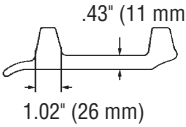
Undercarriage Code: 116, 118, 311, 313

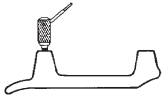
D4, 941 — 6.75" (171.5 mm)

Track Shoes

Double Grouser





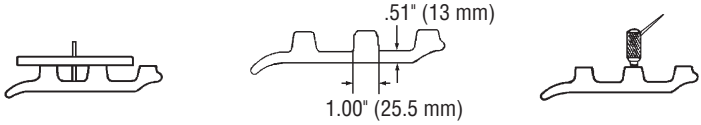


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.45	(37.0)	0	1.90	(48.3)
1.40	(35.5)	6	1.85	(47.0)
1.35	(34.5)	12	1.80	(45.7)
1.30	(33.0)	18	1.75	(44.5)
1.25	(32.0)	24	1.70	(43.2)
1.20	(30.5)	30	1.65	(41.9)
1.15	(29.0)	35	1.60	(40.6)
1.10	(28.0)	40	1.55	(39.4)
1.05	(26.5)	45	1.50	(38.1)
1.00	(25.5)	50	1.45	(36.8)
0.95	(24.0)	55	1.40	(35.6)
0.90	(23.0)	60	1.35	(34.3)
0.85	(21.5)	65	1.30	(33.0)
0.80	(20.5)	70	1.25	(31.8)
0.75	(19.0)	75	1.20	(30.5)
0.70	(18.0)	80	1.15	(29.2)
0.65	(16.5)	85	1.10	(27.9)
0.60	(15.0)	90	1.05	(26.7)
0.55	(14.0)	95	1.00	(25.4)
0.50	(12.5)	100	0.95	(24.1)
0.45	(11.5)	105	0.90	(22.9)
0.40	(10.0)	110	0.85	(21.6)
0.35	(9.0)	115	0.80	(20.3)
0.30	(7.5)	120	0.75	(19.1)

Undercarriage Code: 116, 118, 311, 313

Track Shoes

Triple Grouser
Use with 9K & 7K Links



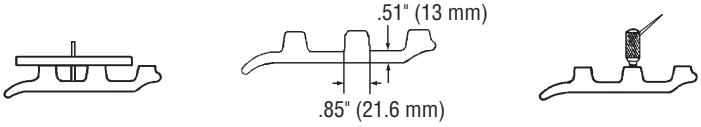
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
0.95	(24.0)	0	1.50	(38.1)
0.90	(23.0)	8	1.45	(36.8)
0.85	(21.5)	16	1.40	(35.6)
0.80	(20.5)	23	1.35	(34.3)
0.75	(19.0)	30	1.30	(33.0)
0.70	(18.0)	37	1.25	(31.8)
0.65	(16.5)	44	1.20	(30.5)
0.60	(15.0)	51	1.15	(29.2)
0.55	(14.0)	58	1.10	(27.9)
0.50	(12.5)	65	1.05	(26.7)
0.45	(11.5)	72	1.00	(25.4)
0.40	(10.0)	79	0.95	(24.1)
0.35	(9.0)	86	0.90	(22.9)
0.30	(7.5)	93	0.85	(21.6)
0.25	(6.5)	100	0.80	(20.3)
0.20	(5.0)	107	0.75	(19.1)
0.15	(4.0)	114	0.70	(17.8)
0.10	(2.5)	121	0.65	(16.5)

Undercarriage Code: 118, 313

D4, 941 — 6.75" (171.5 mm)

Track Shoes

Triple Grouser
Use with 5K Links

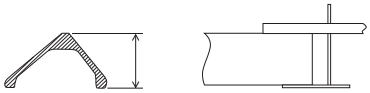


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
0.65	(16.5)	0	1.15	(29.2)
0.60	(15.0)	13	1.10	(27.9)
0.55	(14.0)	26	1.05	(26.7)
0.50	(12.5)	39	1.00	(25.4)
0.45	(11.5)	52	0.95	(24.1)
0.40	(10.0)	64	0.90	(22.9)
0.35	(9.0)	76	0.85	(21.6)
0.30	(7.5)	88	0.80	(20.3)
0.25	(6.5)	100	0.75	(19.1)
0.20	(5.0)	112	0.70	(17.8)
0.15	(4.0)	124	0.65	(16.5)

Undercarriage Code: 116, 311

Track Shoes

Self Cleaning

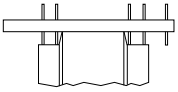


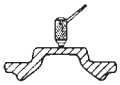
Depth Gauge Inches	(mm)	% Worn
3.18	(81.0)	0
3.16	(80.5)	6
3.14	(80.0)	12
3.12	(79.0)	18
3.10	(78.5)	24
3.08	(78.0)	30
3.06	(77.5)	36
3.04	(77.0)	42
3.02	(76.5)	48
3.00	(76.0)	54
2.98	(75.5)	60
2.96	(75.0)	66
2.94	(74.5)	72
2.92	(74.0)	76
2.90	(73.5)	80
2.88	(73.0)	84
2.86	(72.5)	88
2.84	(72.0)	92
2.82	(71.5)	96
2.80	(71.0)	100
2.78	(70.5)	104
2.76	(70.0)	108
2.74	(69.5)	112
2.72	(69.0)	116
2.70	(68.5)	120

Undercarriage Code: 116, 118

D4, 941 — 6.75" (171.5 mm)

Idlers





Depth Gauge Inches	(mm)	% Worn
0.66	(17.0)	0
0.68	(17.5)	12
0.70	(18.0)	24
0.72	(18.5)	36
0.74	(19.0)	48
0.76	(19.5)	60
0.78	(20.0)	72
0.80	(20.5)	82
0.82	(21.0)	85
0.84	(21.5)	88
0.86	(22.0)	91
0.88	(22.5)	94
0.90	(23.0)	97
0.92	(23.5)	100
0.94	(24.0)	103
0.96	(24.5)	106
0.98	(25.0)	109
1.00	(25.5)	112
1.02	(26.0)	115
1.04	(26.5)	118
1.06	(27.0)	121

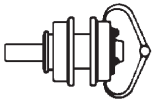
Flange width: 2.69" (68.3 mm)

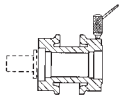
Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.28	(7.1)	0.00	(0.0)
0.26	(6.6)	0.02	(0.5)
0.24	(6.1)	0.04	(1.0)
0.22	(5.6)	0.06	(1.5)
0.20	(5.1)	0.08	(2.0)
0.18	(4.6)	0.10	(2.5)
0.16	(4.1)	0.12	(3.0)
0.14	(3.6)	0.14	(3.5)
0.12	(3.0)	0.16	(4.0)
0.10	(2.5)	0.18	(4.5)
0.08	(2.0)	0.20	(5.0)
0.06	(1.5)	0.22	(5.5)
0.04	(1.0)	0.24	(6.0)
0.02	(0.5)	0.26	(6.5)
0.00	(0.0)	0.28	(7.0)

NOTE: Ultrasonic measurement is to determine flange wear only.

Undercarriage Code: 116, 118, 311, 313

Carrier Rollers





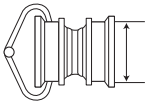
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
6.26	(159.0)	0	1.63	(41.4)
6.20	(157.5)	7	1.60	(40.6)
6.14	(156.0)	14	1.57	(39.9)
6.08	(154.5)	21	1.54	(39.1)
6.02	(153.0)	28	1.51	(38.4)
5.96	(151.5)	35	1.48	(37.6)
5.90	(150.0)	42	1.45	(36.8)
5.84	(148.5)	49	1.42	(36.1)
5.78	(147.0)	56	1.39	(35.3)
5.72	(145.5)	63	1.36	(34.5)
5.66	(144.0)	70	1.33	(33.8)
5.60	(142.0)	77	1.30	(33.0)
5.54	(140.5)	84	1.27	(32.3)
5.48	(139.0)	88	1.24	(31.5)
5.42	(137.5)	92	1.21	(30.7)
5.36	(136.0)	96	1.18	(30.0)
5.30	(134.5)	100	1.15	(29.2)
5.24	(133.0)	104	1.12	(28.4)
5.18	(131.5)	108	1.09	(27.7)
5.12	(130.0)	112	1.06	(26.9)
5.06	(128.5)	116	1.03	(26.2)
5.00	(127.0)	120	1.00	(25.4)

Undercarriage Code: 116, 118, 311, 313

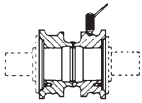
Low Sprocket Machines

D4, 941 — 6.75" (171.5 mm)

Track Rollers







Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
8.00	(203.0)	0	0.54	(13.5)	2.00	(50.8)
7.98	(202.5)	4	0.55	(14.0)	1.99	(50.5)
7.96	(202.0)	8	0.56	(14.0)	1.98	(50.3)
7.94	(201.5)	12	0.57	(14.5)	1.97	(50.0)
7.92	(201.0)	16	0.58	(14.5)	1.96	(49.8)
7.90	(200.5)	20	0.59	(15.0)	1.95	(49.5)
7.88	(200.0)	24	0.60	(15.0)	1.94	(49.3)
7.86	(199.5)	28	0.61	(15.5)	1.93	(49.0)
7.84	(199.0)	31	0.62	(15.5)	1.92	(48.8)
7.82	(198.5)	34	0.63	(16.0)	1.91	(48.5)
7.80	(198.0)	37	0.64	(16.5)	1.90	(48.3)
7.78	(197.5)	40	0.65	(16.5)	1.89	(48.0)
7.76	(197.0)	43	0.66	(17.0)	1.88	(47.8)
7.74	(196.5)	46	0.67	(17.0)	1.87	(47.5)
7.72	(196.0)	49	0.68	(17.5)	1.86	(47.2)
7.70	(195.5)	52	0.69	(17.5)	1.85	(47.0)
7.68	(195.0)	55	0.70	(18.0)	1.84	(46.7)
7.66	(194.5)	58	0.71	(18.0)	1.83	(46.5)
7.64	(194.0)	61	0.72	(18.5)	1.82	(46.2)
7.62	(193.5)	64	0.73	(18.5)	1.81	(46.0)
7.60	(193.0)	67	0.74	(19.0)	1.80	(45.7)
7.58	(192.5)	70	0.75	(19.0)	1.79	(45.5)
7.56	(192.0)	73	0.76	(19.5)	1.78	(45.2)
7.54	(191.5)	76	0.77	(19.5)	1.77	(45.0)
7.52	(191.0)	79	0.78	(20.0)	1.76	(44.7)
7.50	(190.5)	82	0.79	(20.0)	1.75	(44.5)
7.48	(190.0)	85	0.80	(20.5)	1.74	(44.2)
7.46	(189.5)	88	0.81	(20.5)	1.73	(43.9)
7.44	(189.0)	91	0.82	(21.0)	1.72	(43.7)
7.42	(188.5)	94	0.83	(21.0)	1.71	(43.4)
7.40	(188.0)	97	0.84	(21.5)	1.70	(43.2)
7.38	(187.5)	100	0.85	(21.5)	1.69	(42.9)
7.36	(187.0)	103	0.86	(22.0)	1.68	(42.7)
7.34	(186.5)	106	0.87	(22.0)	1.67	(42.4)
7.32	(186.0)	109	0.88	(22.5)	1.66	(42.2)
7.30	(185.5)	112	0.89	(22.5)	1.65	(41.9)
7.28	(185.0)	115	0.90	(23.0)	1.64	(41.7)
7.26	(184.5)	118	0.91	(23.0)	1.63	(41.4)
7.24	(184.0)	121	0.92	(23.5)	1.62	(41.1)

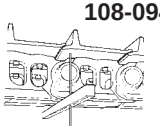
Flange diameter is 9.09" (231 mm)

Undercarriage Code: 116, 118, 311, 313

NOTES

Track Links

108-0947 & 48 (Rotating Bushing Track)



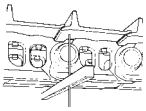


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
4.17	(106.0)	0	1.22	(31.0)
4.15	(105.5)	6	1.20	(30.5)
4.13	(105.0)	12	1.18	(30.0)
4.11	(104.5)	18	1.16	(29.5)
4.09	(104.0)	24	1.14	(29.0)
4.07	(103.5)	30	1.12	(28.4)
4.05	(103.0)	36	1.10	(27.9)
4.03	(102.5)	42	1.08	(27.4)
4.01	(102.0)	48	1.06	(26.9)
3.99	(101.5)	54	1.04	(26.4)
3.97	(101.0)	60	1.02	(25.9)
3.95	(100.5)	65	1.00	(25.4)
3.93	(100.0)	70	0.98	(24.9)
3.91	(99.5)	75	0.96	(24.4)
3.89	(99.0)	80	0.94	(23.9)
3.87	(98.5)	85	0.92	(23.4)
3.85	(98.0)	90	0.90	(22.9)
3.83	(97.5)	95	0.88	(22.4)
3.81	(97.0)	100	0.86	(21.8)
3.79	(96.5)	105	0.84	(21.3)
3.77	(96.0)	110	0.82	(20.8)
3.75	(95.5)	115	0.80	(20.3)
3.73	(94.5)	120	0.78	(19.8)

Undercarriage Code: 1351, 1352, 1354, 1355, 3072, 3073

Track Links

6Y9261 & 62





Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
3.85	(98.0)	0	1.06	(26.9)
3.83	(97.5)	8	1.04	(26.4)
3.81	(97.0)	16	1.02	(25.9)
3.79	(96.5)	23	1.00	(25.4)
3.77	(96.0)	30	0.98	(24.9)
3.75	(95.5)	37	0.96	(24.4)
3.73	(94.5)	44	0.94	(23.9)
3.71	(94.0)	51	0.92	(23.4)
3.69	(93.5)	58	0.90	(22.9)
3.67	(93.0)	65	0.88	(22.4)
3.65	(92.5)	72	0.86	(21.8)
3.63	(92.0)	79	0.84	(21.3)
3.61	(91.5)	86	0.82	(20.8)
3.59	(91.0)	93	0.80	(20.3)
3.57	(90.5)	100	0.78	(19.8)
3.55	(90.0)	107	0.76	(19.3)
3.53	(89.5)	114	0.74	(18.8)
3.51	(89.0)	121	0.72	(18.3)

Undercarriage Code: 134, 13402, 135, 13502, 1353, 13532, 307, 3071

Bushings for Rotating Bushing Track

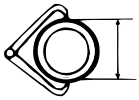
Use with 108-0947 & 48 Links

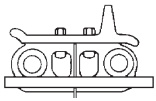
Caliper			Ultrasonic		Depth Gauge	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
2.39	(60.7)	0	0.47	(11.9)	2.96	(75.2)
2.37	(60.2)	4	0.46	(11.7)	2.95	(74.9)
2.35	(59.7)	8	0.45	(11.4)	2.94	(74.7)
2.33	(59.2)	12	0.44	(11.2)	2.93	(74.4)
2.31	(58.7)	16	0.43	(10.9)	2.92	(74.2)
2.29	(58.2)	20	0.42	(10.7)	2.91	(73.9)
2.27	(57.7)	24	0.41	(10.4)	2.90	(73.7)
2.25	(57.2)	28	0.40	(10.2)	2.89	(73.4)
2.23	(56.6)	32	0.39	(9.9)	2.88	(73.2)
2.21	(56.1)	36	0.38	(9.7)	2.87	(72.9)
2.19	(55.6)	40	0.37	(9.4)	2.86	(72.6)
2.17	(55.1)	44	0.36	(9.1)	2.85	(72.4)
2.15	(54.6)	48	0.35	(8.9)	2.84	(72.1)
2.13	(54.1)	52	0.34	(8.6)	2.83	(71.9)
2.11	(53.6)	56	0.33	(8.4)	2.82	(71.6)
2.09	(53.1)	58	0.32	(8.1)	2.81	(71.4)
2.07	(52.6)	60	0.31	(7.9)	2.80	(71.1)
2.05	(52.1)	62	0.30	(7.6)	2.79	(70.9)
2.03	(51.6)	64	0.29	(7.4)	2.78	(70.6)
2.01	(51.1)	66	0.28	(7.1)	2.77	(70.4)
1.99	(50.5)	68	0.27	(6.9)	2.76	(70.1)
1.97	(50.0)	70	0.26	(6.6)	2.75	(69.9)
1.95	(49.5)	72	0.25	(6.3)	2.74	(69.6)
1.93	(49.0)	74	0.24	(6.1)	2.73	(69.3)
1.91	(48.5)	76	0.23	(5.8)	2.72	(69.1)
1.89	(48.0)	78	0.22	(5.6)	2.71	(68.8)
1.87	(47.5)	80	0.21	(5.3)	2.70	(68.6)
1.85	(47.0)	82	0.20	(5.1)	2.69	(68.3)
1.83	(46.5)	84	0.19	(4.8)	2.68	(68.1)
1.81	(46.0)	86	0.18	(4.6)	2.67	(67.8)
1.79	(45.5)	88	0.17	(4.3)	2.66	(67.6)
1.77	(45.0)	90	0.16	(4.1)	2.65	(67.3)
1.75	(44.5)	92	0.15	(3.8)	2.64	(67.1)
1.73	(43.9)	94	0.14	(3.6)	2.63	(66.8)
1.71	(43.4)	96	0.13	(3.3)	2.62	(66.5)
1.69	(42.9)	98	0.12	(3.0)	2.61	(66.3)
1.67	(42.4)	100	0.11	(2.8)	2.60	(66.0)
1.65	(41.9)	102	0.10	(2.5)	2.59	(65.8)
1.63	(41.4)	104	0.09	(2.3)	2.58	(65.5)
1.61	(40.9)	106	0.08	(2.0)	2.57	(65.3)
1.59	(40.4)	108	0.07	(1.8)	2.56	(65.0)
1.57	(39.9)	110	0.06	(1.5)	2.55	(64.8)
1.55	(39.4)	112	0.05	(1.3)	2.54	(64.5)
1.53	(38.9)	114	0.04	(1.0)	2.53	(64.3)
1.51	(38.4)	116	0.03	(0.8)	2.52	(64.0)
1.49	(37.8)	118	0.02	(0.5)	2.51	(63.8)
1.47	(37.3)	120	0.01	(0.3)	2.50	(63.5)

Undercarriage Code: 1351, 1352, 1354, 1355, 3072, 3073

Bushings for Sealed & Lubricated Track

Use with 6Y9261 & 62 Links and Large Stepped Bushings





Caliper		Allowable Wear		Ultrasonic		Depth Gauge	
		Lesser	Greater				
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
2.39	(60.7)	0	0	0.51	(13.0)	2.88	(73.2)
2.38	(60.5)	5	4	0.50	(12.7)	2.87	(72.9)
2.37	(60.2)	10	8	0.49	(12.4)	2.86	(72.6)
2.36	(59.9)	15	12	0.48	(12.2)	2.85	(72.4)
2.35	(59.7)	20	16	0.47	(11.9)	2.84	(72.1)
2.34	(59.4)	25	20	0.46	(11.7)	2.83	(71.9)
2.33	(59.2)	30	24	0.45	(11.4)	2.82	(71.6)
2.32	(58.9)	35	28	0.44	(11.2)	2.81	(71.4)
2.31	(58.7)	40	32	0.43	(10.9)	2.80	(71.1)
2.30	(58.4)	45	36	0.42	(10.7)	2.79	(70.9)
2.29	(58.2)	50	40	0.41	(10.4)	2.78	(70.6)
2.28	(57.9)	55	42	0.40	(10.2)	2.77	(70.4)
2.27	(57.7)	60	44	0.39	(9.9)	2.76	(70.1)
2.26	(57.4)	65	46	0.38	(9.7)	2.75	(69.9)
2.25	(57.2)	68	48	0.37	(9.4)	2.74	(69.6)
2.24	(56.9)	70	50	0.36	(9.1)	2.73	(69.3)
2.23	(56.6)	72	52	0.35	(8.9)	2.72	(69.1)
2.22	(56.4)	74	54	0.34	(8.6)	2.71	(68.8)
2.21	(56.1)	76	56	0.33	(8.4)	2.70	(68.6)
2.20	(55.9)	78	58	0.32	(8.1)	2.69	(68.3)
2.19	(55.6)	80	60	0.31	(7.9)	2.68	(68.1)
2.18	(55.4)	82	62	0.30	(7.6)	2.67	(67.8)
2.17	(55.1)	84	64	0.29	(7.4)	2.66	(67.6)
2.16	(54.9)	86	66	0.28	(7.1)	2.65	(67.3)
2.15	(54.6)	88	68	0.27	(6.9)	2.64	(67.1)
2.14	(54.4)	90	70	0.26	(6.6)	2.63	(66.8)
2.13	(54.1)	92	72	0.25	(6.3)	2.62	(66.5)
2.12	(53.8)	94	74	0.24	(6.1)	2.61	(66.3)
2.11	(53.6)	96	76	0.23	(5.8)	2.60	(66.0)
2.10	(53.3)	98	78	0.22	(5.6)	2.59	(65.8)
2.09	(53.1)	100	80	0.21	(5.3)	2.58	(65.5)
2.08	(52.8)	102	82	0.20	(5.1)	2.57	(65.3)
2.07	(52.6)	104	84	0.19	(4.8)	2.56	(65.0)
2.06	(52.3)	106	86	0.18	(4.6)	2.55	(64.8)
2.05	(52.1)	108	88	0.17	(4.3)	2.54	(64.5)
2.04	(51.8)	110	90	0.16	(4.1)	2.53	(64.3)
2.03	(51.6)	112	92	0.15	(3.8)	2.52	(64.0)
2.02	(51.3)	114	94	0.14	(3.6)	2.51	(63.8)
2.01	(51.1)	116	96	0.13	(3.3)	2.50	(63.5)
2.00	(50.8)	118	98	0.12	(3.0)	2.49	(63.2)
1.99	(50.5)	120	100	0.11	(2.8)	2.48	(63.0)
1.98	(50.3)		102	0.10	(2.5)	2.47	(62.7)
1.97	(50.0)		104	0.09	(2.3)	2.46	(62.5)
1.96	(49.8)		106	0.08	(2.0)	2.45	(62.2)
1.95	(49.5)		108	0.07	(1.8)	2.44	(62.0)
1.94	(49.3)		110	0.06	(1.5)	2.43	(61.7)
1.93	(49.0)		112	0.05	(1.3)	2.42	(61.5)
1.92	(48.8)		114	0.04	(1.0)	2.41	(61.2)
1.91	(48.5)		116	0.03	(0.8)	2.40	(61.0)
1.90	(48.3)		118	0.02	(0.5)	2.39	(60.7)
1.89	(48.0)		120	0.01	(0.3)	2.38	(60.5)

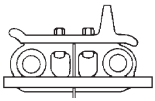
Undercarriage Code: 13402, 13502, 13532

Bushings for Sealed & Lubricated Track

Use with 6Y9261 & 62 Links and Small Stepped Bushings





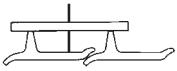


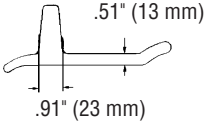
Caliper		Allowable Wear		Ultrasonic		Depth Gauge	
		Lesser	Greater				
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
2.23	(56.6)	0	0	0.43	(10.9)	2.80	(71.1)
2.22	(56.4)	6	5	0.42	(10.7)	2.79	(70.9)
2.21	(56.1)	12	10	0.41	(10.4)	2.78	(70.6)
2.20	(55.9)	18	15	0.40	(10.2)	2.77	(70.4)
2.19	(55.6)	24	20	0.39	(9.9)	2.76	(70.1)
2.18	(55.4)	30	25	0.38	(9.7)	2.75	(69.9)
2.17	(55.1)	36	30	0.37	(9.4)	2.74	(69.6)
2.16	(54.9)	42	35	0.36	(9.1)	2.73	(69.3)
2.15	(54.6)	48	40	0.35	(8.9)	2.72	(69.1)
2.14	(54.4)	54	45	0.34	(8.6)	2.71	(68.8)
2.13	(54.1)	60	50	0.33	(8.4)	2.70	(68.6)
2.12	(53.8)	66	55	0.32	(8.1)	2.69	(68.3)
2.11	(53.6)	70	60	0.31	(7.9)	2.68	(68.1)
2.10	(53.3)	73	62	0.30	(7.6)	2.67	(67.8)
2.09	(53.1)	76	64	0.29	(7.4)	2.66	(67.6)
2.08	(52.8)	79	66	0.28	(7.1)	2.65	(67.3)
2.07	(52.6)	82	68	0.27	(6.9)	2.64	(67.1)
2.06	(52.3)	85	70	0.26	(6.6)	2.63	(66.8)
2.05	(52.1)	88	72	0.25	(6.4)	2.62	(66.5)
2.04	(51.8)	91	74	0.24	(6.1)	2.61	(66.3)
2.03	(51.6)	94	76	0.23	(5.8)	2.60	(66.0)
2.02	(51.3)	97	78	0.22	(5.6)	2.59	(65.8)
2.01	(51.1)	100	80	0.21	(5.3)	2.58	(65.5)
2.00	(50.8)	103	82	0.20	(5.1)	2.57	(65.3)
1.99	(50.5)	106	84	0.19	(4.8)	2.56	(65.0)
1.98	(50.3)	109	86	0.18	(4.6)	2.55	(64.8)
1.97	(50.0)	112	88	0.17	(4.3)	2.54	(64.5)
1.96	(49.8)	115	90	0.16	(4.1)	2.53	(64.3)
1.95	(49.5)	118	92	0.15	(3.8)	2.52	(64.0)
1.94	(49.3)	121	94	0.14	(3.6)	2.51	(63.8)
1.93	(49.0)		96	0.13	(3.3)	2.50	(63.5)
1.92	(48.8)		98	0.12	(3.0)	2.49	(63.2)
1.91	(48.5)		100	0.11	(2.8)	2.48	(63.0)
1.90	(48.3)		102	0.10	(2.5)	2.47	(62.7)
1.89	(48.0)		104	0.09	(2.3)	2.46	(62.5)
1.88	(47.8)		106	0.08	(2.0)	2.45	(62.2)
1.87	(47.5)		108	0.07	(1.8)	2.44	(62.0)
1.86	(47.2)		110	0.06	(1.5)	2.43	(61.7)
1.85	(47.0)		112	0.05	(1.3)	2.42	(61.5)
1.84	(46.7)		114	0.04	(1.0)	2.41	(61.2)
1.83	(46.5)		116	0.03	(0.8)	2.40	(61.0)
1.82	(46.2)		118	0.02	(0.5)	2.39	(60.7)
1.81	(46.0)		120	0.01	(0.3)	2.38	(60.5)

Undercarriage Code: 134, 135, 1353, 307, 3071

Track Shoes

Extreme Service





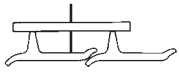


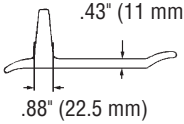
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
2.25	(57.0)	0	2.75	(69.9)
2.20	(56.0)	4	2.70	(68.6)
2.15	(54.5)	8	2.65	(67.4)
2.10	(53.5)	12	2.60	(66.1)
2.05	(52.0)	16	2.55	(64.8)
2.00	(51.0)	20	2.50	(63.6)
1.95	(49.5)	24	2.45	(62.3)
1.90	(48.5)	28	2.40	(61.0)
1.85	(47.0)	32	2.35	(59.7)
1.80	(45.5)	36	2.30	(58.5)
1.75	(44.5)	40	2.25	(57.2)
1.70	(43.0)	44	2.20	(55.9)
1.65	(42.0)	48	2.15	(54.7)
1.60	(40.5)	52	2.10	(53.4)
1.55	(39.5)	56	2.05	(52.1)
1.50	(38.0)	60	2.00	(50.9)
1.45	(37.0)	64	1.95	(49.6)
1.40	(35.5)	67	1.90	(48.3)
1.35	(34.5)	70	1.85	(47.0)
1.30	(33.0)	73	1.80	(45.8)
1.25	(32.0)	76	1.75	(44.5)
1.20	(30.5)	79	1.70	(43.2)
1.15	(29.0)	82	1.65	(42.0)
1.10	(28.0)	85	1.60	(40.7)
1.05	(26.5)	88	1.55	(39.4)
1.00	(25.5)	91	1.50	(38.2)
0.95	(24.0)	94	1.45	(36.9)
0.90	(23.0)	97	1.40	(35.6)
0.85	(21.5)	100	1.35	(34.3)
0.80	(20.5)	103	1.30	(33.1)
0.75	(19.0)	106	1.25	(31.8)
0.70	(18.0)	109	1.20	(30.5)
0.65	(16.5)	112	1.15	(29.3)
0.60	(15.0)	115	1.10	(28.0)
0.55	(14.0)	118	1.05	(26.7)
0.50	(12.5)	121	1.00	(25.5)

Undercarriage Code: 134, 13402, 135, 13502, 1351, 1352, 1353, 13532, 1354, 1355, 307, 3071, 3072, 3073

Track Shoes

Moderate Service





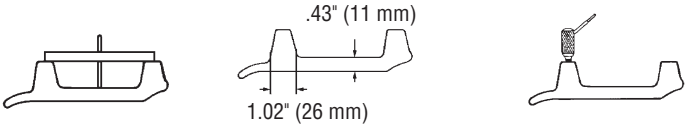


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.85	(47.0)	0	2.30	(58.4)
1.80	(45.5)	5	2.25	(57.2)
1.75	(44.5)	10	2.20	(55.9)
1.70	(43.0)	15	2.15	(54.6)
1.65	(42.0)	20	2.10	(53.3)
1.60	(40.5)	25	2.05	(52.1)
1.55	(39.5)	30	2.00	(50.8)
1.50	(38.0)	35	1.95	(49.5)
1.45	(37.0)	40	1.90	(48.3)
1.40	(35.5)	45	1.85	(47.0)
1.35	(34.5)	50	1.80	(45.7)
1.30	(33.0)	55	1.75	(44.5)
1.25	(32.0)	60	1.70	(43.2)
1.20	(30.5)	64	1.65	(41.9)
1.15	(29.0)	68	1.60	(40.6)
1.10	(28.0)	72	1.55	(39.4)
1.05	(26.5)	76	1.50	(38.1)
1.00	(25.5)	80	1.45	(36.8)
0.95	(24.0)	84	1.40	(35.6)
0.90	(23.0)	88	1.35	(34.3)
0.85	(21.5)	92	1.30	(33.0)
0.80	(20.5)	96	1.25	(31.8)
0.75	(19.0)	100	1.20	(30.5)
0.70	(18.0)	104	1.15	(29.2)
0.65	(16.5)	108	1.10	(27.9)
0.60	(15.0)	112	1.05	(26.7)
0.55	(14.0)	116	1.00	(25.4)
0.50	(12.5)	120	0.95	(24.1)

Undercarriage Code: 134, 13402, 135, 13502, 1351, 1352, 1353, 13532, 1354, 1355, 307, 3071, 3072, 3073

Track Shoes

Double Grouser



Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
1.45	(37.0)	0	1.90	(48.3)
1.40	(35.5)	6	1.85	(47.0)
1.35	(34.5)	12	1.80	(45.7)
1.30	(33.0)	18	1.75	(44.5)
1.25	(32.0)	24	1.70	(43.2)
1.20	(30.5)	30	1.65	(41.9)
1.15	(29.0)	35	1.60	(40.6)
1.10	(28.0)	40	1.55	(39.4)
1.05	(26.5)	45	1.50	(38.1)
1.00	(25.5)	50	1.45	(36.8)
0.95	(24.0)	55	1.40	(35.6)
0.90	(23.0)	60	1.35	(34.3)
0.85	(21.5)	65	1.30	(33.0)
0.80	(20.5)	70	1.25	(31.8)
0.75	(19.0)	75	1.20	(30.5)
0.70	(18.0)	80	1.15	(29.2)
0.65	(16.5)	85	1.10	(27.9)
0.60	(15.0)	90	1.05	(26.7)
0.55	(14.0)	95	1.00	(25.4)
0.50	(12.5)	100	0.95	(24.1)
0.45	(11.5)	105	0.90	(22.9)
0.40	(10.0)	110	0.85	(21.6)
0.35	(9.0)	115	0.80	(20.3)
0.30	(7.5)	120	0.75	(19.1)

Undercarriage Code: 134, 13402, 135, 13502, 1351, 1352, 1353, 13532, 1354, 1355, 307, 3071, 3072, 3073

Track Shoes

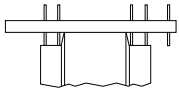
Self Cleaning



Depth Gauge Inches	(mm)	% Worn
3.18	(81.0)	0
3.16	(80.5)	6
3.14	(80.0)	12
3.12	(79.0)	18
3.10	(78.5)	24
3.08	(78.0)	30
3.06	(77.5)	36
3.04	(77.0)	42
3.02	(76.5)	48
3.00	(76.0)	54
2.98	(75.5)	60
2.96	(75.0)	66
2.94	(74.5)	72
2.92	(74.0)	76
2.90	(73.5)	80
2.88	(73.0)	84
2.86	(72.5)	88
2.84	(72.0)	92
2.82	(71.5)	96
2.80	(71.0)	100
2.78	(70.5)	104
2.76	(70.0)	108
2.74	(69.5)	112
2.72	(69.0)	116
2.70	(68.5)	120

Undercarriage Code: 134, 13402, 135, 13502, 1351, 1352, 1353, 13532, 1354, 1355

Idlers



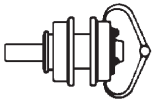
Depth Gauge Inches	(mm)	% Worn
0.66	(17.0)	0
0.68	(17.5)	8
0.70	(18.0)	16
0.72	(18.5)	24
0.74	(19.0)	32
0.76	(19.5)	40
0.78	(20.0)	48
0.80	(20.5)	56
0.82	(21.0)	64
0.84	(21.5)	72
0.86	(22.0)	76
0.88	(22.5)	79
0.90	(23.0)	82
0.92	(23.5)	85
0.94	(24.0)	88
0.96	(24.5)	91
0.98	(25.0)	94
1.00	(25.5)	97
1.02	(26.0)	100
1.04	(26.5)	103
1.06	(27.0)	106
1.08	(27.5)	109
1.10	(28.0)	112
1.12	(28.5)	115
1.14	(29.0)	118
1.16	(29.5)	121

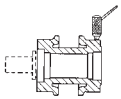
Flange width: 2.68" (68 mm)

Undercarriage Code: 134, 13402, 135, 13502, 1351, 1352, 1353, 13532, 1354, 1355, 307, 3071, 3072, 3073

Carrier Rollers

Use with Rotating Bushing Track
108-0947 & 48 Links



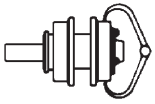


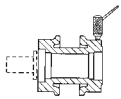
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
6.26	(159.0)	0	1.63	(41.4)
6.20	(157.5)	5	1.60	(40.6)
6.14	(156.0)	10	1.57	(39.9)
6.08	(154.5)	15	1.54	(39.1)
6.02	(153.0)	20	1.51	(38.4)
5.96	(151.5)	25	1.48	(37.6)
5.90	(150.0)	30	1.45	(36.8)
5.84	(148.5)	35	1.42	(36.1)
5.78	(147.0)	40	1.39	(35.3)
5.72	(145.5)	45	1.36	(34.5)
5.66	(144.0)	50	1.33	(33.8)
5.60	(142.0)	55	1.30	(33.0)
5.54	(140.5)	60	1.27	(32.3)
5.48	(139.0)	65	1.24	(31.5)
5.42	(137.5)	70	1.21	(30.7)
5.36	(136.0)	75	1.18	(30.0)
5.30	(134.5)	79	1.15	(29.2)
5.24	(133.0)	82	1.12	(28.4)
5.18	(131.5)	85	1.09	(27.7)
5.12	(130.0)	88	1.06	(26.9)
5.06	(128.5)	91	1.03	(26.2)
5.00	(127.0)	94	1.00	(25.4)
4.94	(125.5)	97	0.97	(24.6)
4.88	(124.0)	100	0.94	(23.9)
4.82	(122.5)	103	0.91	(23.1)
4.76	(121.0)	106	0.88	(22.4)
4.70	(119.5)	109	0.85	(21.6)
4.64	(118.0)	112	0.82	(20.8)
4.58	(116.5)	115	0.79	(20.1)
4.52	(115.0)	118	0.76	(19.3)
4.46	(113.5)	121	0.73	(18.5)

Undercarriage Code: 1351, 1352, 1354, 1355, 3072, 3073

Carrier Rollers

Use with Sealed & Lubricated Track
6Y9261 & 62 Links



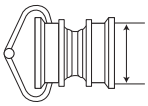


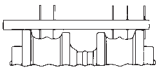
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
6.26	(159.0)	0	1.63	(41.4)
6.20	(157.5)	7	1.60	(40.6)
6.14	(156.0)	14	1.57	(39.9)
6.08	(154.5)	21	1.54	(39.1)
6.02	(153.0)	28	1.51	(38.4)
5.96	(151.5)	35	1.48	(37.6)
5.90	(150.0)	42	1.45	(36.8)
5.84	(148.5)	49	1.42	(36.1)
5.78	(147.0)	56	1.39	(35.3)
5.72	(145.5)	63	1.36	(34.5)
5.66	(144.0)	70	1.33	(33.8)
5.60	(142.0)	77	1.30	(33.0)
5.54	(140.5)	84	1.27	(32.3)
5.48	(139.0)	88	1.24	(31.5)
5.42	(137.5)	92	1.21	(30.7)
5.36	(136.0)	96	1.18	(30.0)
5.30	(134.5)	100	1.15	(29.2)
5.24	(133.0)	104	1.12	(28.4)
5.18	(131.5)	108	1.09	(27.7)
5.12	(130.0)	112	1.06	(26.9)
5.06	(128.5)	116	1.03	(26.2)
5.00	(127.0)	120	1.00	(25.4)

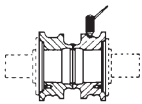
Undercarriage Code: 134, 13402, 135, 13502, 1353, 13532, 307, 3071

Track Rollers with End Collars

Use with Rotating Bushing Track
108-0947 & 48 Links





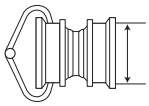


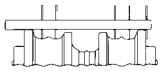
Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
6.89	(175.0)	0	0.47	(12.0)	1.44	(36.6)
6.85	(174.0)	4	0.49	(12.5)	1.42	(36.1)
6.81	(173.0)	8	0.51	(13.0)	1.40	(35.6)
6.77	(172.0)	12	0.53	(13.5)	1.38	(35.1)
6.73	(171.0)	16	0.55	(14.0)	1.36	(34.5)
6.69	(170.0)	20	0.57	(14.5)	1.34	(34.0)
6.65	(169.0)	24	0.59	(15.0)	1.32	(33.5)
6.61	(168.0)	28	0.61	(15.5)	1.30	(33.0)
6.57	(167.0)	32	0.63	(16.0)	1.28	(32.5)
6.53	(166.0)	36	0.65	(16.5)	1.26	(32.0)
6.49	(165.0)	40	0.67	(17.0)	1.24	(31.5)
6.45	(164.0)	43	0.69	(17.5)	1.22	(31.0)
6.41	(163.0)	46	0.71	(18.0)	1.20	(30.5)
6.37	(162.0)	49	0.73	(18.5)	1.18	(30.0)
6.33	(161.0)	52	0.75	(19.0)	1.16	(29.5)
6.29	(160.0)	55	0.77	(19.5)	1.14	(29.0)
6.25	(159.0)	58	0.79	(20.0)	1.12	(28.4)
6.21	(157.5)	61	0.81	(20.5)	1.10	(27.9)
6.17	(156.5)	64	0.83	(21.0)	1.08	(27.4)
6.13	(155.5)	67	0.85	(21.5)	1.06	(26.9)
6.09	(154.5)	70	0.87	(22.0)	1.04	(26.4)
6.05	(153.5)	73	0.89	(22.5)	1.02	(25.9)
6.01	(152.5)	76	0.91	(23.0)	1.00	(25.4)
5.97	(151.5)	79	0.93	(23.5)	0.98	(24.9)
5.93	(150.5)	82	0.95	(24.0)	0.96	(24.4)
5.89	(149.5)	85	0.97	(24.5)	0.94	(23.9)
5.85	(148.5)	88	0.99	(25.0)	0.92	(23.4)
5.81	(147.5)	91	1.01	(25.5)	0.90	(22.9)
5.77	(146.5)	94	1.03	(26.0)	0.88	(22.4)
5.73	(145.5)	97	1.05	(26.5)	0.86	(21.8)
5.69	(144.5)	100	1.07	(27.0)	0.84	(21.3)
5.65	(143.5)	103	1.09	(27.5)	0.82	(20.8)
5.61	(142.5)	106	1.11	(28.0)	0.80	(20.3)
5.57	(141.5)	109	1.13	(28.5)	0.78	(19.8)
5.53	(140.5)	112	1.15	(29.0)	0.76	(19.3)
5.49	(139.5)	115	1.17	(29.5)	0.74	(18.8)
5.45	(138.5)	118	1.19	(30.0)	0.72	(18.3)
5.41	(137.5)	121	1.21	(30.5)	0.70	(17.8)

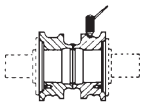
Flange diameter is 7.83" (199 mm)

Track Rollers with End Collars

Use with Sealed & Lubricated Track
6Y9261 & 62 Links







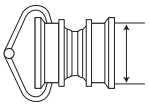
Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
6.89	(175.0)	0	0.47	(12.0)	1.44	(36.6)
6.85	(174.0)	5	0.49	(12.5)	1.42	(36.1)
6.81	(173.0)	10	0.51	(13.0)	1.40	(35.6)
6.77	(172.0)	15	0.53	(13.5)	1.38	(35.1)
6.73	(171.0)	20	0.55	(14.0)	1.36	(34.5)
6.69	(170.0)	25	0.57	(14.5)	1.34	(34.0)
6.65	(169.0)	30	0.59	(15.0)	1.32	(33.5)
6.61	(168.0)	35	0.61	(15.5)	1.30	(33.0)
6.57	(167.0)	40	0.63	(16.0)	1.28	(32.5)
6.53	(166.0)	45	0.65	(16.5)	1.26	(32.0)
6.49	(165.0)	50	0.67	(17.0)	1.24	(31.5)
6.45	(164.0)	55	0.69	(17.5)	1.22	(31.0)
6.41	(163.0)	60	0.71	(18.0)	1.20	(30.5)
6.37	(162.0)	64	0.73	(18.5)	1.18	(30.0)
6.33	(161.0)	67	0.75	(19.0)	1.16	(29.5)
6.29	(160.0)	70	0.77	(19.5)	1.14	(29.0)
6.25	(159.0)	73	0.79	(20.0)	1.12	(28.4)
6.21	(157.5)	76	0.81	(20.5)	1.10	(27.9)
6.17	(156.5)	79	0.83	(21.0)	1.08	(27.4)
6.13	(155.5)	82	0.85	(21.5)	1.06	(26.9)
6.09	(154.5)	85	0.87	(22.0)	1.04	(26.4)
6.05	(153.5)	88	0.89	(22.5)	1.02	(25.9)
6.01	(152.5)	91	0.91	(23.0)	1.00	(25.4)
5.97	(151.5)	94	0.93	(23.5)	0.98	(24.9)
5.93	(150.5)	97	0.95	(24.0)	0.96	(24.4)
5.89	(149.5)	100	0.97	(24.5)	0.94	(23.9)
5.85	(148.5)	103	0.99	(25.0)	0.92	(23.4)
5.81	(147.5)	106	1.01	(25.5)	0.90	(22.9)
5.77	(146.5)	109	1.03	(26.0)	0.88	(22.4)
5.73	(145.5)	112	1.05	(26.5)	0.86	(21.8)
5.69	(144.5)	115	1.07	(27.0)	0.84	(21.3)
5.65	(143.5)	118	1.09	(27.5)	0.82	(20.8)
5.61	(142.5)	121	1.11	(28.0)	0.80	(20.3)

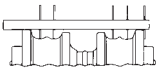
Flange diameter is 7.83" (199 mm)

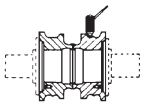
D5G, D5C, 939 — 6.75" (171.5 mm)

Tall Flange, Double Flange Rollers

Use with Rotating Bushing Track
108-0947 & 48 Links







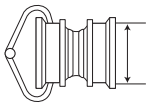
Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
6.89	(175.0)	0	0.67	(17.0)	1.44	(36.6)
6.85	(174.0)	6	0.69	(17.5)	1.42	(36.1)
6.81	(173.0)	12	0.71	(18.0)	1.40	(35.6)
6.77	(172.0)	18	0.73	(18.5)	1.38	(35.1)
6.73	(171.0)	24	0.75	(19.0)	1.36	(34.5)
6.69	(170.0)	30	0.77	(19.5)	1.34	(34.0)
6.65	(169.0)	36	0.79	(20.0)	1.32	(33.5)
6.61	(168.0)	42	0.81	(20.5)	1.30	(33.0)
6.57	(167.0)	48	0.83	(21.0)	1.28	(32.5)
6.53	(166.0)	54	0.85	(21.5)	1.26	(32.0)
6.49	(165.0)	60	0.87	(22.0)	1.24	(31.5)
6.45	(164.0)	64	0.89	(22.5)	1.22	(31.0)
6.41	(163.0)	68	0.91	(23.0)	1.20	(30.5)
6.37	(162.0)	72	0.93	(23.5)	1.18	(30.0)
6.33	(161.0)	76	0.95	(24.0)	1.16	(29.5)
6.29	(160.0)	80	0.97	(24.5)	1.14	(29.0)
6.25	(159.0)	84	0.99	(25.0)	1.12	(28.4)
6.21	(157.5)	88	1.01	(25.5)	1.10	(27.9)
6.17	(156.5)	92	1.03	(26.0)	1.08	(27.4)
6.13	(155.5)	96	1.05	(26.5)	1.06	(26.9)
6.09	(154.5)	100	1.07	(27.0)	1.04	(26.4)
6.05	(153.5)	104	1.09	(27.5)	1.02	(25.9)
6.01	(152.5)	108	1.11	(28.0)	1.00	(25.4)
5.97	(151.5)	112	1.13	(28.5)	0.98	(24.9)
5.93	(150.5)	116	1.15	(29.0)	0.96	(24.4)
5.89	(149.5)	120	1.17	(29.5)	0.94	(23.9)

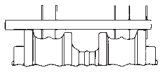
Flange diameter is 8.23" (209 mm)

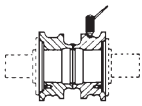
Undercarriage Code: 1352, 1355, 3073

Track Rollers with Retainers

Use with Sealed & Lubricated Track
6Y9261 & 62 Links







Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
6.89	(175.0)	0	0.47	(12.0)	1.55	(39.4)
6.85	(174.0)	4	0.49	(12.5)	1.53	(38.9)
6.81	(173.0)	8	0.51	(13.0)	1.51	(38.4)
6.77	(172.0)	12	0.53	(13.5)	1.49	(37.8)
6.73	(171.0)	16	0.55	(14.0)	1.47	(37.3)
6.69	(170.0)	20	0.57	(14.5)	1.45	(36.8)
6.65	(169.0)	24	0.59	(15.0)	1.43	(36.3)
6.61	(168.0)	28	0.61	(15.5)	1.41	(35.8)
6.57	(167.0)	32	0.63	(16.0)	1.39	(35.3)
6.53	(166.0)	36	0.65	(16.5)	1.37	(34.8)
6.49	(165.0)	40	0.67	(17.0)	1.35	(34.3)
6.45	(164.0)	44	0.69	(17.5)	1.33	(33.8)
6.41	(163.0)	48	0.71	(18.0)	1.31	(33.3)
6.37	(162.0)	52	0.73	(18.5)	1.29	(32.8)
6.33	(161.0)	56	0.75	(19.0)	1.27	(32.3)
6.29	(160.0)	60	0.77	(19.5)	1.25	(31.8)
6.25	(159.0)	64	0.79	(20.0)	1.23	(31.2)
6.21	(157.5)	68	0.81	(20.5)	1.21	(30.7)
6.17	(156.5)	72	0.83	(21.0)	1.19	(30.2)
6.13	(155.5)	76	0.85	(21.5)	1.17	(29.7)
6.09	(154.5)	80	0.87	(22.0)	1.15	(29.2)
6.05	(153.5)	84	0.89	(22.5)	1.13	(28.7)
6.01	(152.5)	88	0.91	(23.0)	1.11	(28.2)
5.97	(151.5)	92	0.93	(23.5)	1.09	(27.7)
5.93	(150.5)	96	0.95	(24.0)	1.07	(27.2)
5.89	(149.5)	100	0.97	(24.5)	1.05	(26.7)
5.85	(148.5)	103	0.99	(25.0)	1.03	(26.2)
5.81	(147.5)	106	1.01	(25.5)	1.01	(25.7)
5.77	(146.5)	109	1.03	(26.0)	0.99	(25.1)
5.73	(145.5)	112	1.05	(26.5)	0.97	(24.6)
5.69	(144.5)	115	1.07	(27.0)	0.95	(24.1)
5.65	(143.5)	118	1.09	(27.5)	0.93	(23.6)
5.61	(142.5)	121	1.11	(28.0)	0.91	(23.1)

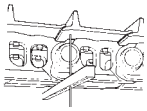
Flange diameter is 7.83" (199 mm)

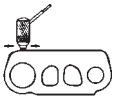
Undercarriage Code: 134, 13402, 307

D5, 955, 951, 561 — 6.91" (175.5 mm)

Track Links

7T4539 & 40



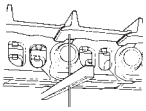


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
4.29	(109.0)	0	1.45	(36.8)
4.27	(108.5)	5	1.43	(36.3)
4.25	(108.0)	10	1.41	(35.8)
4.23	(107.5)	15	1.39	(35.3)
4.21	(107.0)	20	1.37	(34.8)
4.19	(106.5)	25	1.35	(34.3)
4.17	(106.0)	30	1.33	(33.8)
4.15	(105.5)	35	1.31	(33.3)
4.13	(105.0)	40	1.29	(32.8)
4.11	(104.5)	45	1.27	(32.3)
4.09	(104.0)	50	1.25	(31.8)
4.07	(103.5)	55	1.23	(31.2)
4.05	(103.0)	60	1.21	(30.7)
4.03	(102.5)	65	1.19	(30.2)
4.01	(102.0)	70	1.17	(29.7)
3.99	(101.5)	75	1.15	(29.2)
3.97	(101.0)	80	1.13	(28.7)
3.95	(100.5)	84	1.11	(28.2)
3.93	(100.0)	88	1.09	(27.7)
3.91	(99.5)	92	1.07	(27.2)
3.89	(99.0)	96	1.05	(26.7)
3.87	(98.5)	100	1.03	(26.2)
3.85	(98.0)	104	1.01	(25.7)
3.83	(97.5)	108	0.99	(25.1)
3.81	(97.0)	112	0.97	(24.6)
3.79	(96.5)	116	0.95	(24.1)
3.77	(96.0)	120	0.93	(23.6)

Undercarriage Code: 105, 131, 332

Track Links

3P7153 & 54



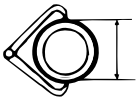


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
4.06	(103.0)	0	1.22	(31.0)
4.04	(102.5)	6	1.20	(30.5)
4.02	(102.0)	12	1.18	(30.0)
4.00	(101.5)	18	1.16	(29.5)
3.98	(101.0)	24	1.14	(29.0)
3.96	(100.5)	30	1.12	(28.4)
3.94	(100.0)	36	1.10	(27.9)
3.92	(99.5)	42	1.08	(27.4)
3.90	(99.0)	48	1.06	(26.9)
3.88	(98.5)	54	1.04	(26.4)
3.86	(98.0)	60	1.02	(25.9)
3.84	(97.5)	66	1.00	(25.4)
3.82	(97.0)	72	0.98	(24.9)
3.80	(96.5)	76	0.96	(24.4)
3.78	(96.0)	80	0.94	(23.9)
3.76	(95.5)	84	0.92	(23.4)
3.74	(95.0)	88	0.90	(22.9)
3.72	(94.5)	92	0.88	(22.4)
3.70	(94.0)	96	0.86	(21.8)
3.68	(93.5)	100	0.84	(21.3)
3.66	(93.0)	104	0.82	(20.8)
3.64	(92.5)	108	0.80	(20.3)
3.62	(92.0)	112	0.78	(19.8)
3.60	(91.5)	116	0.76	(19.3)
3.58	(91.0)	120	0.74	(18.8)

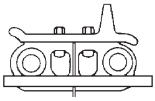
Undercarriage Code: 104, 130, 331, 350

D5, 955, 951, 561 — 6.91" (175.5 mm)

Bushings for Sealed & Lubricated Track





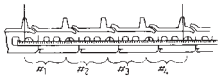


Caliper		Allowable Wear		Ultrasonic		Depth Gauge	
		Lesser	Greater				
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
2.44	(62.0)	0	0	0.48	(12.2)	2.90	(73.7)
2.43	(61.7)	5	4	0.47	(11.9)	2.89	(73.4)
2.42	(61.5)	10	8	0.46	(11.7)	2.88	(73.2)
2.41	(61.2)	15	12	0.45	(11.4)	2.87	(72.9)
2.40	(61.0)	20	16	0.44	(11.2)	2.86	(72.6)
2.39	(60.7)	25	20	0.43	(10.9)	2.85	(72.4)
2.38	(60.5)	30	24	0.42	(10.7)	2.84	(72.1)
2.37	(60.2)	35	28	0.41	(10.4)	2.83	(71.9)
2.36	(59.9)	40	32	0.40	(10.2)	2.82	(71.6)
2.35	(59.7)	45	36	0.39	(9.9)	2.81	(71.4)
2.34	(59.4)	50	40	0.38	(9.7)	2.80	(71.1)
2.33	(59.2)	55	44	0.37	(9.4)	2.79	(70.9)
2.32	(58.9)	60	48	0.36	(9.1)	2.78	(70.6)
2.31	(58.7)	64	52	0.35	(8.9)	2.77	(70.4)
2.30	(58.4)	67	56	0.34	(8.6)	2.76	(70.1)
2.29	(58.2)	70	60	0.33	(8.4)	2.75	(69.9)
2.28	(57.9)	73	62	0.32	(8.1)	2.74	(69.6)
2.27	(57.7)	76	64	0.31	(7.9)	2.73	(69.3)
2.26	(57.4)	79	66	0.30	(7.6)	2.72	(69.1)
2.25	(57.2)	82	68	0.29	(7.4)	2.71	(68.8)
2.24	(56.9)	85	70	0.28	(7.1)	2.70	(68.6)
2.23	(56.6)	88	72	0.27	(6.9)	2.69	(68.3)
2.22	(56.4)	91	74	0.26	(6.6)	2.68	(68.1)
2.21	(56.1)	94	76	0.25	(6.3)	2.67	(67.8)
2.20	(55.9)	97	78	0.24	(6.1)	2.66	(67.6)
2.19	(55.6)	100	80	0.23	(5.8)	2.65	(67.3)
2.18	(55.4)	103	82	0.22	(5.6)	2.64	(67.1)
2.17	(55.1)	106	84	0.21	(5.3)	2.63	(66.8)
2.16	(54.9)	109	86	0.20	(5.1)	2.62	(66.5)
2.15	(54.6)	112	88	0.19	(4.8)	2.61	(66.3)
2.14	(54.4)	115	90	0.18	(4.6)	2.60	(66.0)
2.13	(54.1)	118	92	0.17	(4.3)	2.59	(65.8)
2.12	(53.8)	121	94	0.16	(4.1)	2.58	(65.5)
2.11	(53.6)		96	0.15	(3.8)	2.57	(65.3)
2.10	(53.3)		98	0.14	(3.6)	2.56	(65.0)
2.09	(53.1)		100	0.13	(3.3)	2.55	(64.8)
2.08	(52.8)		102	0.12	(3.0)	2.54	(64.5)
2.07	(52.6)		104	0.11	(2.8)	2.53	(64.3)
2.06	(52.3)		106	0.10	(2.5)	2.52	(64.0)
2.05	(52.1)		108	0.09	(2.3)	2.51	(63.8)
2.04	(51.8)		110	0.08	(2.0)	2.50	(63.5)
2.03	(51.6)		112	0.07	(1.8)	2.49	(63.2)
2.02	(51.3)		114	0.06	(1.5)	2.48	(63.0)
2.01	(51.1)		116	0.05	(1.3)	2.47	(62.7)
2.00	(50.8)		118	0.04	(1.0)	2.46	(62.5)
1.99	(50.5)		120	0.03	(0.8)	2.45	(62.2)

Undercarriage Code: 104, 105, 130, 131, 331, 332, 350

Pins and Bushings for Sealed Track

Internal Wear



Inches	(mm)	% Worn
27.65	(702.5)	0
27.70	(703.5)	10
27.75	(705.0)	20
27.80	(706.0)	30
27.85	(707.5)	40
27.90	(708.5)	50
27.95	(710.0)	60
28.00	(711.0)	70
28.05	(712.5)	80
28.10	(713.5)	90
28.15	(715.0)	100
28.20	(716.5)	105
28.25	(717.5)	110
28.30	(719.0)	115
28.35	(720.0)	120

Undercarriage Code: 104, 130, 331, 350

D5, 955, 951, 561 — 6.91" (175.5 mm)

Track Bushings for Sealed Track

External Wear



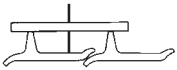


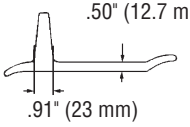
Caliper		Allowable Wear		Ultrasonic	
		Lesser	Greater		
Inches	(mm)	% Worn	% Worn	Inches	(mm)
2.33	(59.2)	0	0	0.42	(10.7)
2.32	(58.9)	10	6	0.41	(10.4)
2.31	(58.7)	20	12	0.40	(10.2)
2.30	(58.4)	30	18	0.39	(9.9)
2.29	(58.2)	40	24	0.38	(9.7)
2.28	(57.9)	50	30	0.37	(9.4)
2.27	(57.7)	60	36	0.36	(9.1)
2.26	(57.4)	70	42	0.35	(8.9)
2.25	(57.2)	75	48	0.34	(8.6)
2.24	(56.9)	80	54	0.33	(8.4)
2.23	(56.6)	85	60	0.32	(8.1)
2.22	(56.4)	90	66	0.31	(7.9)
2.21	(56.1)	95	72	0.30	(7.6)
2.20	(55.9)	100	78	0.29	(7.4)
2.19	(55.6)	105	82	0.28	(7.1)
2.18	(55.4)	110	85	0.27	(6.9)
2.17	(55.1)	115	88	0.26	(6.6)
2.16	(54.9)	120	91	0.25	(6.4)
2.15	(54.6)		94	0.24	(6.1)
2.14	(54.4)		97	0.23	(5.8)
2.13	(54.1)		100	0.22	(5.6)
2.12	(53.8)		103	0.21	(5.3)
2.11	(53.6)		106	0.20	(5.1)
2.10	(53.3)		109	0.19	(4.8)
2.09	(53.1)		112	0.18	(4.6)
2.08	(52.8)		115	0.17	(4.3)
2.07	(52.6)		118	0.16	(4.1)
2.06	(52.3)		121	0.15	(3.8)

Undercarriage Code: 104, 130, 331, 350

Track Shoes

Moderate Service





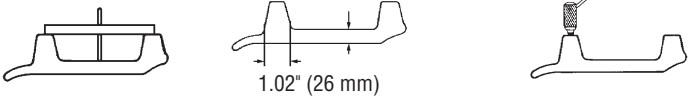


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
2.25	(57.0)	0	2.75	(69.9)
2.20	(56.0)	4	2.70	(68.6)
2.15	(54.5)	8	2.65	(67.3)
2.10	(53.5)	12	2.60	(66.0)
2.05	(52.0)	16	2.55	(64.8)
2.00	(51.0)	20	2.50	(63.5)
1.95	(49.5)	24	2.45	(62.2)
1.90	(48.5)	28	2.40	(61.0)
1.85	(47.0)	32	2.35	(59.7)
1.80	(45.5)	36	2.30	(58.4)
1.75	(44.5)	40	2.25	(57.2)
1.70	(43.0)	44	2.20	(55.9)
1.65	(42.0)	48	2.15	(54.6)
1.60	(40.5)	52	2.10	(53.3)
1.55	(39.5)	56	2.05	(52.1)
1.50	(38.0)	60	2.00	(50.8)
1.45	(37.0)	64	1.95	(49.5)
1.40	(35.5)	67	1.90	(48.3)
1.35	(34.5)	70	1.85	(47.0)
1.30	(33.0)	73	1.80	(45.7)
1.25	(32.0)	76	1.75	(44.5)
1.20	(30.5)	79	1.70	(43.2)
1.15	(29.0)	82	1.65	(41.9)
1.10	(28.0)	85	1.60	(40.6)
1.05	(26.5)	88	1.55	(39.4)
1.00	(25.5)	91	1.50	(38.1)
0.95	(24.0)	94	1.45	(36.8)
0.90	(23.0)	97	1.40	(35.6)
0.85	(21.5)	100	1.35	(34.3)
0.80	(20.5)	103	1.30	(33.0)
0.75	(19.0)	106	1.25	(31.8)
0.70	(18.0)	109	1.20	(30.5)
0.65	(16.5)	112	1.15	(29.2)
0.60	(15.0)	115	1.10	(27.9)
0.55	(14.0)	118	1.05	(26.7)
0.50	(12.5)	121	1.00	(25.4)

Undercarriage Code: 104, 105, 130, 131, 331, 332, 350

D5, 955, 951, 561 — 6.91" (175.5 mm)

Track Shoes

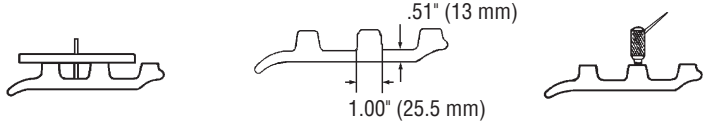


Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
1.50	(38.0)	0	1.99	(50.5)
1.45	(37.0)	5	1.94	(49.2)
1.40	(35.5)	10	1.89	(48.0)
1.35	(34.5)	15	1.84	(46.7)
1.30	(33.0)	20	1.79	(45.4)
1.25	(32.0)	25	1.74	(44.2)
1.20	(30.5)	30	1.69	(42.9)
1.15	(29.0)	35	1.64	(41.6)
1.10	(28.0)	40	1.59	(40.3)
1.05	(26.5)	45	1.54	(39.1)
1.00	(25.5)	50	1.49	(37.8)
0.95	(24.0)	55	1.44	(36.5)
0.90	(23.0)	60	1.39	(35.3)
0.85	(21.5)	65	1.34	(34.0)
0.80	(20.5)	70	1.29	(32.7)
0.75	(19.0)	75	1.24	(31.5)
0.70	(18.0)	80	1.19	(30.2)
0.65	(16.5)	85	1.14	(28.9)
0.60	(15.0)	90	1.09	(27.6)
0.55	(14.0)	95	1.04	(26.4)
0.50	(12.5)	100	0.99	(25.1)
0.45	(11.5)	105	0.94	(23.8)
0.40	(10.0)	110	0.89	(22.6)
0.35	(9.0)	115	0.84	(21.3)
0.30	(7.5)	120	0.79	(20.0)

Undercarriage Code: 104, 105, 130, 131, 331, 332, 350

Track Shoes

Triple Grouser



Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
0.95	(24.0)	0	1.50	(38.1)
0.90	(23.0)	8	1.45	(36.8)
0.85	(21.5)	16	1.40	(35.6)
0.80	(20.5)	23	1.35	(34.3)
0.75	(19.0)	30	1.30	(33.0)
0.70	(18.0)	37	1.25	(31.8)
0.65	(16.5)	44	1.20	(30.5)
0.60	(15.0)	51	1.15	(29.2)
0.55	(14.0)	58	1.10	(27.9)
0.50	(12.5)	65	1.05	(26.7)
0.45	(11.5)	72	1.00	(25.4)
0.40	(10.0)	79	0.95	(24.1)
0.35	(9.0)	86	0.90	(22.9)
0.30	(7.5)	93	0.85	(21.6)
0.25	(6.5)	100	0.80	(20.3)
0.20	(5.0)	107	0.75	(19.1)
0.15	(4.0)	114	0.70	(17.8)
0.10	(2.5)	121	0.65	(16.5)

Undercarriage Code: 104, 105, 130, 131, 331, 332, 350

D5, 955, 951, 561 — 6.91" (175.5 mm)

Track Shoes

Self Cleaning

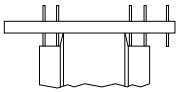


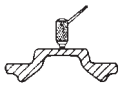
Depth Gauge Inches	(mm)	% Worn
3.14	(80.0)	0
3.12	(79.0)	4
3.10	(78.5)	8
3.08	(78.0)	12
3.06	(77.5)	16
3.04	(77.0)	20
3.02	(76.5)	24
3.00	(76.0)	28
2.98	(75.5)	32
2.96	(75.0)	36
2.94	(74.5)	40
2.92	(74.0)	44
2.90	(73.5)	48
2.88	(73.0)	52
2.86	(72.5)	55
2.84	(72.0)	58
2.82	(71.5)	61
2.80	(71.0)	64
2.78	(70.5)	67
2.76	(70.0)	70
2.74	(69.5)	73
2.72	(69.0)	76
2.70	(68.5)	79
2.68	(68.0)	82
2.66	(67.5)	85
2.64	(67.0)	88
2.62	(66.5)	91
2.60	(66.0)	94
2.58	(65.5)	97
2.56	(65.0)	100
2.54	(64.5)	103
2.52	(64.0)	106
2.50	(63.5)	109
2.48	(63.0)	112
2.46	(62.5)	115
2.44	(62.0)	118
2.42	(61.5)	121

Undercarriage Code: 104, 105, 130, 131, 331, 332

Idlers

Extended Life Idlers
(Has circular side plate indentations)





Depth Gauge Inches	(mm)	% Worn
0.74	(19.0)	0
0.76	(19.5)	7
0.78	(20.0)	14
0.80	(20.5)	21
0.82	(21.0)	28
0.84	(21.5)	35
0.86	(22.0)	42
0.88	(22.5)	49
0.90	(23.0)	56
0.92	(23.5)	63
0.94	(24.0)	67
0.96	(24.5)	70
0.98	(25.0)	73
1.00	(25.5)	76
1.02	(26.0)	79
1.04	(26.5)	82
1.06	(27.0)	85
1.08	(27.5)	88
1.10	(28.0)	91
1.12	(28.5)	94
1.14	(29.0)	97
1.16	(29.5)	100
1.18	(30.0)	103
1.20	(30.5)	106
1.22	(31.0)	109
1.24	(31.5)	112
1.26	(32.0)	115
1.28	(32.5)	118
1.30	(33.0)	121

Flange width: 3.31" (84 mm)

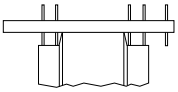
Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.40	(10.2)	0.00	(0.0)
0.38	(9.7)	0.02	(0.5)
0.36	(9.1)	0.04	(1.0)
0.34	(8.6)	0.06	(1.5)
0.32	(8.1)	0.08	(2.0)
0.30	(7.6)	0.10	(2.5)
0.28	(7.1)	0.12	(3.0)
0.26	(6.6)	0.14	(3.5)
0.24	(6.1)	0.16	(4.0)
0.22	(5.6)	0.18	(4.5)
0.20	(5.1)	0.20	(5.0)
0.18	(4.6)	0.22	(5.5)
0.16	(4.1)	0.24	(6.0)
0.14	(3.6)	0.26	(6.5)
0.12	(3.0)	0.28	(7.0)
0.10	(2.5)	0.30	(7.5)
0.08	(2.0)	0.32	(8.0)
0.06	(1.5)	0.34	(8.5)
0.04	(1.0)	0.36	(9.0)
0.02	(0.5)	0.38	(9.5)

NOTE: Ultrasonic measurement is to determine flange wear only.

D5, 955, 951, 561 — 6.91" (175.5 mm)

Idlers

(Has no side plate indentations)





Depth Gauge Inches	(mm)	% Worn
0.78	(20.0)	0
0.80	(20.5)	12
0.82	(21.0)	24
0.84	(21.5)	36
0.86	(22.0)	48
0.88	(22.5)	60
0.90	(23.0)	72
0.92	(23.5)	82
0.94	(24.0)	85
0.96	(24.5)	88
0.98	(25.0)	91
1.00	(25.5)	94
1.02	(26.0)	97
1.04	(26.5)	100
1.06	(27.0)	103
1.08	(27.5)	106
1.10	(28.0)	109
1.12	(28.5)	112
1.14	(29.0)	115
1.16	(29.5)	118
1.18	(30.0)	121

Flange width: 3.31" (34 mm)

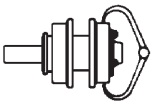
Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.36	(9.1)	0.00	(0.0)
0.34	(8.6)	0.02	(0.5)
0.32	(8.1)	0.04	(1.0)
0.30	(7.6)	0.06	(1.5)
0.28	(7.1)	0.08	(2.0)
0.26	(6.6)	0.10	(2.5)
0.24	(6.1)	0.12	(3.0)
0.22	(5.6)	0.14	(3.5)
0.20	(5.1)	0.16	(4.0)
0.18	(4.6)	0.18	(4.5)
0.16	(4.1)	0.20	(5.0)
0.14	(3.6)	0.22	(5.5)
0.12	(3.0)	0.24	(6.0)
0.10	(2.5)	0.26	(6.5)
0.08	(2.0)	0.28	(7.0)
0.06	(1.5)	0.30	(7.5)
0.04	(1.0)	0.32	(8.0)
0.02	(0.5)	0.34	(8.5)

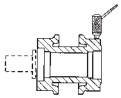
NOTE: Ultrasonic measurement is to determine flange wear only.

Undercarriage Code: 104, 130, 331, 350

Carrier Rollers

Use with 7T Track Links





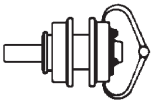
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
6.75	(171.5)	0	1.55	(39.4)
6.71	(170.5)	4	1.53	(38.9)
6.67	(169.5)	8	1.51	(38.4)
6.63	(168.5)	12	1.49	(37.8)
6.59	(167.5)	16	1.47	(37.3)
6.55	(166.5)	20	1.45	(36.8)
6.51	(165.5)	24	1.43	(36.3)
6.47	(164.5)	28	1.41	(35.8)
6.43	(163.5)	31	1.39	(35.3)
6.39	(162.5)	34	1.37	(34.8)
6.35	(161.5)	37	1.35	(34.3)
6.31	(160.5)	40	1.33	(33.8)
6.27	(159.5)	43	1.31	(33.3)
6.23	(158.0)	46	1.29	(32.8)
6.19	(157.0)	49	1.27	(32.3)
6.15	(156.0)	52	1.25	(31.8)
6.11	(155.0)	55	1.23	(31.2)
6.07	(154.0)	58	1.21	(30.7)
6.03	(153.0)	61	1.19	(30.2)
5.99	(152.0)	64	1.17	(29.7)
5.95	(151.0)	67	1.15	(29.2)
5.91	(150.0)	70	1.13	(28.7)
5.87	(149.0)	73	1.11	(28.2)
5.83	(148.0)	76	1.09	(27.7)
5.79	(147.0)	79	1.07	(27.2)
5.75	(146.0)	82	1.05	(26.7)
5.71	(145.0)	85	1.03	(26.2)
5.67	(144.0)	88	1.01	(25.7)
5.63	(143.0)	91	0.99	(25.1)
5.59	(142.0)	94	0.97	(24.6)
5.55	(141.0)	97	0.95	(24.1)
5.51	(140.0)	100	0.93	(23.6)
5.47	(139.0)	103	0.91	(23.1)
5.43	(138.0)	106	0.89	(22.6)
5.39	(137.0)	109	0.87	(22.1)
5.35	(136.0)	112	0.85	(21.6)
5.31	(135.0)	115	0.83	(21.1)
5.27	(134.0)	118	0.81	(20.6)
5.23	(133.0)	121	0.79	(20.1)

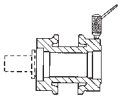
Undercarriage Code: 104, 131, 332

D5, 955, 951, 561 — 6.91" (175.5 mm)

Carrier Rollers

Use with 3P Links



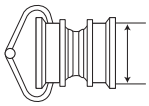
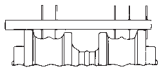
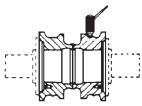


Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
6.75	(171.5)	0	1.54	(39.1)
6.71	(170.5)	7	1.52	(38.6)
6.67	(169.5)	14	1.50	(38.1)
6.63	(168.5)	21	1.48	(37.6)
6.59	(167.5)	28	1.46	(37.1)
6.55	(166.5)	35	1.44	(36.6)
6.51	(165.5)	40	1.42	(36.1)
6.47	(164.5)	45	1.40	(35.6)
6.43	(163.5)	50	1.38	(35.1)
6.39	(162.5)	55	1.36	(34.5)
6.35	(161.5)	60	1.34	(34.0)
6.31	(160.5)	65	1.32	(33.5)
6.27	(159.5)	70	1.30	(33.0)
6.23	(158.0)	75	1.28	(32.5)
6.19	(157.0)	80	1.26	(32.0)
6.15	(156.0)	85	1.24	(31.5)
6.11	(155.0)	90	1.22	(31.0)
6.07	(154.0)	95	1.20	(30.5)
6.03	(153.0)	100	1.18	(30.0)
5.99	(152.0)	105	1.16	(29.5)
5.95	(151.0)	110	1.14	(29.0)
5.91	(150.0)	115	1.12	(28.4)
5.87	(149.0)	120	1.10	(27.9)

Undercarriage Code: 105, 130, 331, 350

Track Rollers

Extended Life Rollers
Use with 7T Links

Caliper Inches	Caliper (mm)	% Worn	Depth Gauge Inches	Depth Gauge (mm)	Ultrasonic Inches	Ultrasonic (mm)
8.38	(213.0)	0	0.57	(14.5)	2.07	(52.6)
8.34	(212.0)	4	0.59	(15.0)	2.05	(52.1)
8.30	(211.0)	8	0.61	(15.5)	2.03	(51.6)
8.26	(210.0)	12	0.63	(16.0)	2.01	(51.1)
8.22	(209.0)	16	0.65	(16.5)	1.99	(50.5)
8.18	(208.0)	20	0.67	(17.0)	1.97	(50.0)
8.14	(207.0)	24	0.69	(17.5)	1.95	(49.5)
8.10	(205.5)	28	0.71	(18.0)	1.93	(49.0)
8.06	(204.5)	32	0.73	(18.5)	1.91	(48.5)
8.02	(203.5)	36	0.75	(19.0)	1.89	(48.0)
7.98	(202.5)	40	0.77	(19.5)	1.87	(47.5)
7.94	(201.5)	44	0.79	(20.0)	1.85	(47.0)
7.90	(200.5)	48	0.81	(20.5)	1.83	(46.5)
7.86	(199.5)	52	0.83	(21.0)	1.81	(46.0)
7.82	(198.5)	56	0.85	(21.5)	1.79	(45.5)
7.78	(197.5)	60	0.87	(22.0)	1.77	(45.0)
7.74	(196.5)	64	0.89	(22.5)	1.75	(44.5)
7.70	(195.5)	66	0.91	(23.0)	1.73	(43.9)
7.66	(194.5)	68	0.93	(23.5)	1.71	(43.4)
7.62	(193.5)	70	0.95	(24.0)	1.69	(42.9)
7.58	(192.5)	72	0.97	(24.5)	1.67	(42.4)
7.54	(191.5)	74	0.99	(25.0)	1.65	(41.9)
7.50	(190.5)	76	1.01	(25.5)	1.63	(41.4)
7.46	(189.5)	78	1.03	(26.0)	1.61	(40.9)
7.42	(188.5)	80	1.05	(26.5)	1.59	(40.4)
7.38	(187.5)	82	1.07	(27.0)	1.57	(39.9)
7.34	(186.5)	84	1.09	(27.5)	1.55	(39.4)
7.30	(185.5)	86	1.11	(28.0)	1.53	(38.9)
7.26	(184.5)	88	1.13	(28.5)	1.51	(38.4)
7.22	(183.5)	90	1.15	(29.0)	1.49	(37.8)
7.18	(182.5)	92	1.17	(29.5)	1.47	(37.3)
7.14	(181.5)	94	1.19	(30.0)	1.45	(36.8)
7.10	(180.5)	96	1.21	(30.5)	1.43	(36.3)
7.06	(179.5)	98	1.23	(31.0)	1.41	(35.8)
7.02	(178.5)	100	1.25	(32.0)	1.39	(35.3)
6.98	(177.5)	102	1.27	(32.5)	1.37	(34.8)
6.94	(176.5)	104	1.29	(33.0)	1.35	(34.3)
6.90	(175.5)	106	1.31	(33.5)	1.33	(33.8)
6.86	(174.0)	108	1.33	(34.0)	1.31	(33.3)
6.82	(173.0)	110	1.35	(34.5)	1.29	(32.8)
6.78	(172.0)	112	1.37	(35.0)	1.27	(32.3)
6.74	(171.0)	114	1.39	(35.5)	1.25	(31.8)
6.70	(170.0)	116	1.41	(36.0)	1.23	(31.2)
6.66	(169.0)	118	1.43	(36.5)	1.21	(30.7)
6.62	(168.0)	120	1.45	(37.0)	1.19	(30.2)

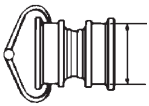
Flange diameter is 9.53" (242 mm)

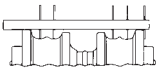
Undercarriage Code: 105, 131, 332

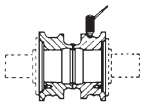
D5, 955, 951, 561 — 6.91" (175.5 mm)

Track Rollers

Use with 3P Links







Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
8.01	(203.5)	0	0.65	(16.5)	1.88	(47.8)
7.97	(202.5)	6	0.67	(17.0)	1.86	(47.2)
7.93	(201.5)	12	0.69	(17.5)	1.84	(46.7)
7.89	(200.5)	18	0.71	(18.0)	1.82	(46.2)
7.85	(199.5)	24	0.73	(18.5)	1.80	(45.7)
7.81	(198.5)	30	0.75	(19.0)	1.78	(45.2)
7.77	(197.5)	36	0.77	(19.5)	1.76	(44.7)
7.73	(196.5)	42	0.79	(20.0)	1.74	(44.2)
7.69	(195.5)	48	0.81	(20.5)	1.72	(43.7)
7.65	(194.5)	54	0.83	(21.0)	1.70	(43.2)
7.61	(193.5)	60	0.85	(21.5)	1.68	(42.7)
7.57	(192.5)	66	0.87	(22.0)	1.66	(42.2)
7.53	(191.5)	72	0.89	(22.5)	1.64	(41.7)
7.49	(190.0)	76	0.91	(23.0)	1.62	(41.1)
7.45	(189.0)	80	0.93	(23.5)	1.60	(40.6)
7.41	(188.0)	84	0.95	(24.0)	1.58	(40.1)
7.37	(187.0)	88	0.97	(24.5)	1.56	(39.6)
7.33	(186.0)	92	0.99	(25.0)	1.54	(39.1)
7.29	(185.0)	96	1.01	(25.5)	1.52	(38.6)
7.25	(184.0)	100	1.03	(26.0)	1.50	(38.1)
7.21	(183.0)	104	1.05	(26.5)	1.48	(37.6)
7.17	(182.0)	108	1.07	(27.0)	1.46	(37.1)
7.13	(181.0)	112	1.09	(27.5)	1.44	(36.6)
7.09	(180.0)	116	1.11	(28.0)	1.42	(36.1)
7.05	(179.0)	120	1.13	(28.5)	1.40	(35.6)

Flange diameter is 9.31" (236 mm)

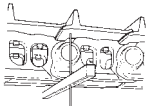
Undercarriage Code: 104, 130, 331, 350

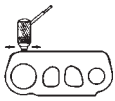
NOTES

D6, 955 — 8.00" (203.2 mm)

Track Links

8E7405 & 06
Heavy Duty Links



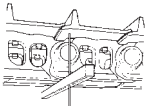


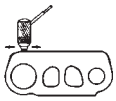
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
5.19	(132.0)	0	1.69	(42.9)
5.17	(131.5)	4	1.67	(42.4)
5.15	(131.0)	8	1.65	(41.9)
5.13	(130.5)	12	1.63	(41.4)
5.11	(130.0)	16	1.61	(40.9)
5.09	(129.5)	20	1.59	(40.4)
5.07	(129.0)	24	1.57	(39.9)
5.05	(128.5)	28	1.55	(39.4)
5.03	(128.0)	32	1.53	(38.9)
5.01	(127.5)	36	1.51	(38.4)
4.99	(126.5)	40	1.49	(37.8)
4.97	(126.0)	44	1.47	(37.3)
4.95	(125.5)	48	1.45	(36.8)
4.93	(125.0)	52	1.43	(36.3)
4.91	(124.5)	56	1.41	(35.8)
4.89	(124.0)	60	1.39	(35.3)
4.87	(123.5)	64	1.37	(34.8)
4.85	(123.0)	68	1.35	(34.3)
4.83	(122.5)	72	1.33	(33.8)
4.81	(122.0)	76	1.31	(33.3)
4.79	(121.5)	80	1.29	(32.8)
4.77	(121.0)	84	1.27	(32.3)
4.75	(120.5)	88	1.25	(31.8)
4.73	(120.0)	91	1.23	(31.2)
4.71	(119.5)	94	1.21	(30.7)
4.69	(119.0)	97	1.19	(30.2)
4.67	(118.5)	100	1.17	(29.7)
4.65	(118.0)	103	1.15	(29.2)
4.63	(117.5)	106	1.13	(28.7)
4.61	(117.0)	109	1.11	(28.2)
4.59	(116.5)	112	1.09	(27.7)
4.57	(116.0)	115	1.07	(27.2)
4.55	(115.5)	118	1.05	(26.7)
4.53	(115.0)	121	1.03	(26.2)

Undercarriage Code: 1551

Track Links

7T4645 & 46
Extended Life Links





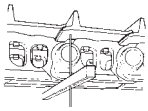
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
5.03	(128.0)	0	1.67	(42.4)
5.01	(127.5)	4	1.65	(41.9)
4.99	(126.5)	8	1.63	(41.4)
4.97	(126.0)	12	1.61	(40.9)
4.95	(125.5)	16	1.59	(40.4)
4.93	(125.0)	20	1.57	(39.9)
4.91	(124.5)	24	1.55	(39.4)
4.89	(124.0)	28	1.53	(38.9)
4.87	(123.5)	32	1.51	(38.4)
4.85	(123.0)	36	1.49	(37.8)
4.83	(122.5)	40	1.47	(37.3)
4.81	(122.0)	44	1.45	(36.8)
4.79	(121.5)	48	1.43	(36.3)
4.77	(121.0)	52	1.41	(35.8)
4.75	(120.5)	56	1.39	(35.3)
4.73	(120.0)	60	1.37	(34.8)
4.71	(119.5)	64	1.35	(34.3)
4.69	(119.0)	68	1.33	(33.8)
4.67	(118.5)	72	1.31	(33.3)
4.65	(118.0)	76	1.29	(32.8)
4.63	(117.5)	80	1.27	(32.3)
4.61	(117.0)	84	1.25	(31.8)
4.59	(116.5)	88	1.23	(31.2)
4.57	(116.0)	92	1.21	(30.7)
4.55	(115.5)	96	1.19	(30.2)
4.53	(115.0)	100	1.17	(29.7)
4.51	(114.5)	103	1.15	(29.2)
4.49	(114.0)	106	1.13	(28.7)
4.47	(113.5)	109	1.11	(28.2)
4.45	(113.0)	112	1.09	(27.7)
4.43	(112.5)	115	1.07	(27.2)
4.41	(112.0)	118	1.05	(26.7)
4.39	(111.5)	121	1.03	(26.2)

Undercarriage Code: 154, 353

D6, 955 — 8.00" (203.2 mm)

Track Links

3P1112 & 13 Links



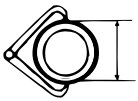


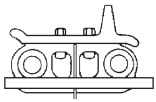
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
4.77	(121.0)	0	1.41	(35.8)
4.75	(120.5)	5	1.39	(35.3)
4.73	(120.0)	10	1.37	(34.8)
4.71	(119.5)	15	1.35	(34.3)
4.69	(119.0)	20	1.33	(33.8)
4.67	(118.5)	25	1.31	(33.3)
4.65	(118.0)	30	1.29	(32.8)
4.63	(117.5)	35	1.27	(32.3)
4.61	(117.0)	40	1.25	(31.8)
4.59	(116.5)	45	1.23	(31.2)
4.57	(116.0)	50	1.21	(30.7)
4.55	(115.5)	55	1.19	(30.2)
4.53	(115.0)	60	1.17	(29.7)
4.51	(114.5)	64	1.15	(29.2)
4.49	(114.0)	68	1.13	(28.7)
4.47	(113.5)	72	1.11	(28.2)
4.45	(113.0)	76	1.09	(27.7)
4.43	(112.5)	80	1.07	(27.2)
4.41	(112.0)	84	1.05	(26.7)
4.39	(111.5)	88	1.03	(26.2)
4.37	(111.0)	92	1.01	(25.7)
4.35	(110.5)	96	0.99	(25.1)
4.33	(110.0)	100	0.97	(24.6)
4.31	(109.5)	104	0.95	(24.1)
4.29	(109.0)	108	0.93	(23.6)
4.27	(108.5)	112	0.91	(23.1)
4.25	(108.0)	116	0.89	(22.6)
4.23	(107.5)	120	0.87	(22.1)

Undercarriage Code: 151, 1511, 351, 3511

Bushings for Sealed & Lubricated Track

Heavy Duty Bushings
Use with 8E Links



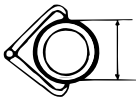


Caliper		Allowable Wear		Ultrasonic		Depth Gauge	
		Lesser	Greater				
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
2.86	(72.6)	0	0	0.53	(13.5)	3.52	(89.4)
2.85	(72.4)	5	4	0.52	(13.2)	3.51	(89.2)
2.84	(72.1)	10	8	0.51	(13.0)	3.50	(88.9)
2.83	(71.9)	15	12	0.50	(12.7)	3.49	(88.6)
2.82	(71.6)	20	16	0.49	(12.4)	3.48	(88.4)
2.81	(71.4)	25	20	0.48	(12.2)	3.47	(88.1)
2.80	(71.1)	30	24	0.47	(11.9)	3.46	(87.9)
2.79	(70.9)	35	28	0.46	(11.7)	3.45	(87.6)
2.78	(70.6)	40	32	0.45	(11.4)	3.44	(87.4)
2.77	(70.4)	45	36	0.44	(11.2)	3.43	(87.1)
2.76	(70.1)	50	40	0.43	(10.9)	3.42	(86.9)
2.75	(69.9)	55	44	0.42	(10.7)	3.41	(86.6)
2.74	(69.6)	60	46	0.41	(10.4)	3.40	(86.4)
2.73	(69.3)	65	48	0.40	(10.2)	3.39	(86.1)
2.72	(69.1)	70	50	0.39	(9.9)	3.38	(85.9)
2.71	(68.8)	72	52	0.38	(9.7)	3.37	(85.6)
2.70	(68.6)	74	54	0.37	(9.4)	3.36	(85.3)
2.69	(68.3)	76	56	0.36	(9.1)	3.35	(85.1)
2.68	(68.1)	78	58	0.35	(8.9)	3.34	(84.8)
2.67	(67.8)	80	60	0.34	(8.6)	3.33	(84.6)
2.66	(67.6)	82	62	0.33	(8.4)	3.32	(84.3)
2.65	(67.3)	84	64	0.32	(8.1)	3.31	(84.1)
2.64	(67.1)	86	66	0.31	(7.9)	3.30	(83.8)
2.63	(66.8)	88	68	0.30	(7.6)	3.29	(83.6)
2.62	(66.5)	90	70	0.29	(7.4)	3.28	(83.3)
2.61	(66.3)	92	72	0.28	(7.1)	3.27	(83.1)
2.60	(66.0)	94	74	0.27	(6.9)	3.26	(82.8)
2.59	(65.8)	96	76	0.26	(6.6)	3.25	(82.6)
2.58	(65.5)	98	78	0.25	(6.3)	3.24	(82.3)
2.57	(65.3)	100	80	0.24	(6.1)	3.23	(82.0)
2.56	(65.0)	102	82	0.23	(5.8)	3.22	(81.8)
2.55	(64.8)	104	84	0.22	(5.6)	3.21	(81.5)
2.54	(64.5)	106	86	0.21	(5.3)	3.20	(81.3)
2.53	(64.3)	108	88	0.20	(5.1)	3.19	(81.0)
2.52	(64.0)	110	90	0.19	(4.8)	3.18	(80.8)
2.51	(63.8)	112	92	0.18	(4.6)	3.17	(80.5)
2.50	(63.5)	114	94	0.17	(4.3)	3.16	(80.3)
2.49	(63.2)	116	96	0.16	(4.1)	3.15	(80.0)
2.48	(63.0)	118	98	0.15	(3.8)	3.14	(79.8)
2.47	(62.7)	120	100	0.14	(3.6)	3.13	(79.5)
2.46	(62.5)		102	0.13	(3.3)	3.12	(79.2)
2.45	(62.2)		104	0.12	(3.0)	3.11	(79.0)
2.44	(62.0)		106	0.11	(2.8)	3.10	(78.7)
2.43	(61.7)		108	0.10	(2.5)	3.09	(78.5)
2.42	(61.5)		110	0.09	(2.3)	3.08	(78.2)
2.41	(61.2)		112	0.08	(2.0)	3.07	(78.0)
2.40	(61.0)		114	0.07	(1.8)	3.06	(77.7)
2.39	(60.7)		116	0.06	(1.5)	3.05	(77.5)
2.38	(60.5)		118	0.05	(1.3)	3.04	(77.2)
2.37	(60.2)		120	0.04	(1.0)	3.03	(77.0)

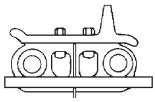
Undercarriage Code: 1551

Bushings for Rotating Bushing Track

Use with 8E Links





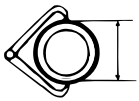


Caliper			Ultrasonic		Depth Gauge	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
2.86	(72.6)	0	0.55	(14.0)	3.56	(90.4)
2.84	(72.1)	4	0.54	(13.7)	3.55	(90.2)
2.82	(71.6)	8	0.53	(13.5)	3.54	(89.9)
2.80	(71.1)	12	0.52	(13.2)	3.53	(89.7)
2.78	(70.6)	16	0.51	(13.0)	3.52	(89.4)
2.76	(70.1)	20	0.50	(12.7)	3.51	(89.2)
2.74	(69.6)	24	0.49	(12.4)	3.50	(88.9)
2.72	(69.1)	28	0.48	(12.2)	3.49	(88.6)
2.70	(68.6)	32	0.47	(11.9)	3.48	(88.4)
2.68	(68.1)	36	0.46	(11.7)	3.47	(88.1)
2.66	(67.6)	38	0.45	(11.4)	3.46	(87.9)
2.64	(67.1)	40	0.44	(11.2)	3.45	(87.6)
2.62	(66.5)	42	0.43	(10.9)	3.44	(87.4)
2.60	(66.0)	44	0.42	(10.7)	3.43	(87.1)
2.58	(65.5)	46	0.41	(10.4)	3.42	(86.9)
2.56	(65.0)	48	0.40	(10.2)	3.41	(86.6)
2.54	(64.5)	50	0.39	(9.9)	3.40	(86.4)
2.52	(64.0)	52	0.38	(9.7)	3.39	(86.1)
2.50	(63.5)	54	0.37	(9.4)	3.38	(85.9)
2.48	(63.0)	56	0.36	(9.1)	3.37	(85.6)
2.46	(62.5)	58	0.35	(8.9)	3.36	(85.3)
2.44	(62.0)	60	0.34	(8.6)	3.35	(85.1)
2.42	(61.5)	62	0.33	(8.4)	3.34	(84.8)
2.40	(61.0)	64	0.32	(8.1)	3.33	(84.6)
2.38	(60.5)	66	0.31	(7.9)	3.32	(84.3)
2.36	(59.9)	68	0.30	(7.6)	3.31	(84.1)
2.34	(59.4)	70	0.29	(7.4)	3.30	(83.8)
2.32	(58.9)	72	0.28	(7.1)	3.29	(83.6)
2.30	(58.4)	74	0.27	(6.9)	3.28	(83.3)
2.28	(57.9)	76	0.26	(6.6)	3.27	(83.1)
2.26	(57.4)	78	0.25	(6.3)	3.26	(82.8)
2.24	(56.9)	80	0.24	(6.1)	3.25	(82.6)
2.22	(56.4)	82	0.23	(5.8)	3.24	(82.3)
2.20	(55.9)	84	0.22	(5.6)	3.23	(82.0)
2.18	(55.4)	86	0.21	(5.3)	3.22	(81.8)
2.16	(54.9)	88	0.20	(5.1)	3.21	(81.5)
2.14	(54.4)	90	0.19	(4.8)	3.20	(81.3)
2.12	(53.8)	92	0.18	(4.6)	3.19	(81.0)
2.10	(53.3)	94	0.17	(4.3)	3.18	(80.8)
2.08	(52.8)	96	0.16	(4.1)	3.17	(80.5)
2.06	(52.3)	98	0.15	(3.8)	3.16	(80.3)
2.04	(51.8)	100	0.14	(3.6)	3.15	(80.0)
2.02	(51.3)	102	0.13	(3.3)	3.14	(79.8)
2.00	(50.8)	104	0.12	(3.0)	3.13	(79.5)
1.98	(50.3)	106	0.11	(2.8)	3.12	(79.2)
1.96	(49.8)	108	0.10	(2.5)	3.11	(79.0)
1.94	(49.3)	110	0.09	(2.3)	3.10	(78.7)
1.92	(48.8)	112	0.08	(2.0)	3.09	(78.5)
1.90	(48.3)	114	0.07	(1.8)	3.08	(78.2)
1.88	(47.8)	116	0.06	(1.5)	3.07	(78.0)
1.86	(47.2)	118	0.05	(1.3)	3.06	(77.7)
1.84	(46.7)	120	0.04	(1.0)	3.05	(77.5)

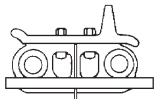
Undercarriage Code: 1551

Bushings for Sealed & Lubricated Track

Use with Extended Life Track and earlier track with large diameter bushings







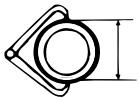
Caliper		Allowable Wear Lesser	Allowable Wear Greater	Ultrasonic		Depth Gauge	
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
2.86	(72.6)	0	0	0.53	(13.5)	3.49	(88.6)
2.85	(72.4)	5	4	0.52	(13.2)	3.48	(88.4)
2.84	(72.1)	10	8	0.51	(13.0)	3.47	(88.1)
2.83	(71.9)	15	12	0.50	(12.7)	3.46	(87.9)
2.82	(71.6)	20	16	0.49	(12.4)	3.45	(87.6)
2.81	(71.4)	25	20	0.48	(12.2)	3.44	(87.4)
2.80	(71.1)	30	24	0.47	(11.9)	3.43	(87.1)
2.79	(70.9)	35	28	0.46	(11.7)	3.42	(86.9)
2.78	(70.6)	40	32	0.45	(11.4)	3.41	(86.6)
2.77	(70.4)	45	36	0.44	(11.2)	3.40	(86.4)
2.76	(70.1)	50	40	0.43	(10.9)	3.39	(86.1)
2.75	(69.9)	55	44	0.42	(10.7)	3.38	(85.9)
2.74	(69.6)	60	48	0.41	(10.4)	3.37	(85.6)
2.73	(69.3)	64	52	0.40	(10.2)	3.36	(85.3)
2.72	(69.1)	67	56	0.39	(9.9)	3.35	(85.1)
2.71	(68.8)	70	60	0.38	(9.7)	3.34	(84.8)
2.70	(68.6)	73	62	0.37	(9.4)	3.33	(84.6)
2.69	(68.3)	76	64	0.36	(9.1)	3.32	(84.3)
2.68	(68.1)	79	66	0.35	(8.9)	3.31	(84.1)
2.67	(67.8)	82	68	0.34	(8.6)	3.30	(83.8)
2.66	(67.6)	85	70	0.33	(8.4)	3.29	(83.6)
2.65	(67.3)	88	72	0.32	(8.1)	3.28	(83.3)
2.64	(67.1)	91	74	0.31	(7.9)	3.27	(83.1)
2.63	(66.8)	94	76	0.30	(7.6)	3.26	(82.8)
2.62	(66.5)	97	78	0.29	(7.4)	3.25	(82.6)
2.61	(66.3)	100	80	0.28	(7.1)	3.24	(82.3)
2.60	(66.0)	103	82	0.27	(6.9)	3.23	(82.0)
2.59	(65.8)	106	84	0.26	(6.6)	3.22	(81.8)
2.58	(65.5)	109	86	0.25	(6.3)	3.21	(81.5)
2.57	(65.3)	112	88	0.24	(6.1)	3.20	(81.3)
2.56	(65.0)	115	90	0.23	(5.8)	3.19	(81.0)
2.55	(64.8)	118	92	0.22	(5.6)	3.18	(80.8)
2.54	(64.5)	121	94	0.21	(5.3)	3.17	(80.5)
2.53	(64.3)		96	0.20	(5.1)	3.16	(80.3)
2.52	(64.0)		98	0.19	(4.8)	3.15	(80.0)
2.51	(63.8)		100	0.18	(4.6)	3.14	(79.8)
2.50	(63.5)		102	0.17	(4.3)	3.13	(79.5)
2.49	(63.2)		104	0.16	(4.1)	3.12	(79.2)
2.48	(63.0)		106	0.15	(3.8)	3.11	(79.0)
2.47	(62.7)		108	0.14	(3.6)	3.10	(78.7)
2.46	(62.5)		110	0.13	(3.3)	3.09	(78.5)
2.45	(62.2)		112	0.12	(3.0)	3.08	(78.2)
2.44	(62.0)		114	0.11	(2.8)	3.07	(78.0)
2.43	(61.7)		116	0.10	(2.5)	3.06	(77.7)
2.42	(61.5)		118	0.09	(2.3)	3.05	(77.5)
2.41	(61.2)		120	0.08	(2.0)	3.04	(77.2)

Undercarriage Code: 1511, 154, 3511, 353

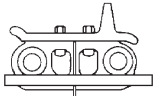
D6, 955 — 8.00" (203.2 mm)

Bushings for Sealed & Lubricated Track

Use with earlier track with small diameter bushings







Caliper		Allowable Wear Lesser	Allowable Wear Greater	Ultrasonic		Depth Gauge	
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
2.74	(69.6)	0	0	0.47	(11.9)	3.43	(87.1)
2.73	(69.3)	6	5	0.46	(11.7)	3.42	(86.9)
2.72	(69.1)	12	10	0.45	(11.4)	3.41	(86.6)
2.71	(68.8)	18	15	0.44	(11.2)	3.40	(86.4)
2.70	(68.6)	24	20	0.43	(10.9)	3.39	(86.1)
2.69	(68.3)	30	25	0.42	(10.7)	3.38	(85.9)
2.68	(68.1)	36	30	0.41	(10.4)	3.37	(85.6)
2.67	(67.8)	42	35	0.40	(10.2)	3.36	(85.3)
2.66	(67.6)	48	40	0.39	(9.9)	3.35	(85.1)
2.65	(67.3)	54	45	0.38	(9.7)	3.34	(84.8)
2.64	(67.1)	60	50	0.37	(9.4)	3.33	(84.6)
2.63	(66.8)	66	55	0.36	(9.1)	3.32	(84.3)
2.62	(66.5)	72	60	0.35	(8.9)	3.31	(84.1)
2.61	(66.3)	78	65	0.34	(8.6)	3.30	(83.8)
2.60	(66.0)	84	70	0.33	(8.4)	3.29	(83.6)
2.59	(65.8)	88	72	0.32	(8.1)	3.28	(83.3)
2.58	(65.5)	91	74	0.31	(7.9)	3.27	(83.1)
2.57	(65.3)	94	76	0.30	(7.6)	3.26	(82.8)
2.56	(65.0)	97	78	0.29	(7.4)	3.25	(82.6)
2.55	(64.8)	100	80	0.28	(7.1)	3.24	(82.3)
2.54	(64.5)	103	82	0.27	(6.9)	3.23	(82.0)
2.53	(64.3)	106	84	0.26	(6.6)	3.22	(81.8)
2.52	(64.0)	109	86	0.25	(6.3)	3.21	(81.5)
2.51	(63.8)	112	88	0.24	(6.1)	3.20	(81.3)
2.50	(63.5)	115	90	0.23	(5.8)	3.19	(81.0)
2.49	(63.2)	118	92	0.22	(5.6)	3.18	(80.8)
2.48	(63.0)	121	94	0.21	(5.3)	3.17	(80.5)
2.47	(62.7)		96	0.20	(5.1)	3.16	(80.3)
2.46	(62.5)		98	0.19	(4.8)	3.15	(80.0)
2.45	(62.2)		100	0.18	(4.6)	3.14	(79.8)
2.44	(62.0)		102	0.17	(4.3)	3.13	(79.5)
2.43	(61.7)		104	0.16	(4.1)	3.12	(79.2)
2.42	(61.5)		106	0.15	(3.8)	3.11	(79.0)
2.41	(61.2)		108	0.14	(3.6)	3.10	(78.7)
2.40	(61.0)		110	0.13	(3.3)	3.09	(78.5)
2.39	(60.7)		112	0.12	(3.0)	3.08	(78.2)
2.38	(60.5)		114	0.11	(2.8)	3.07	(78.0)
2.37	(60.2)		116	0.10	(2.5)	3.06	(77.7)
2.36	(59.9)		118	0.09	(2.3)	3.05	(77.5)
2.35	(59.7)		120	0.08	(2.0)	3.04	(77.2)

Undercarriage Code: 151, 351

Pins and Bushings for Sealed Track

Internal Wear

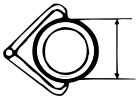


Inches	(mm)	% Worn
32.00	(813.0)	0
32.05	(814.0)	10
32.10	(815.5)	20
32.15	(816.5)	30
32.20	(818.0)	40
32.25	(819.0)	50
32.30	(820.5)	60
32.35	(821.5)	70
32.40	(823.0)	80
32.45	(824.0)	90
32.50	(825.5)	100
32.55	(827.0)	105
32.60	(828.0)	110
32.65	(829.5)	115
32.70	(830.5)	120

Undercarriage Code: 151, 1511, 351, 3511

Track Bushings for Sealed Track

External Wear



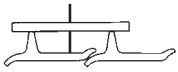


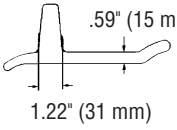
Caliper Inches	Caliper (mm)	Allowable Wear Lesser % Worn	Allowable Wear Greater % Worn	Ultrasonic Inches	Ultrasonic (mm)
2.64	(67.1)	0	0	0.42	(10.7)
2.63	(66.8)	9	7	0.41	(10.4)
2.62	(66.5)	18	14	0.40	(10.2)
2.61	(66.3)	27	21	0.39	(9.9)
2.60	(66.0)	36	28	0.38	(9.7)
2.59	(65.8)	45	35	0.37	(9.4)
2.58	(65.5)	54	42	0.36	(9.1)
2.57	(65.3)	63	49	0.35	(8.9)
2.56	(65.0)	72	56	0.34	(8.6)
2.55	(64.8)	81	63	0.33	(8.4)
2.54	(64.5)	88	70	0.32	(8.1)
2.53	(64.3)	92	73	0.31	(7.9)
2.52	(64.0)	96	76	0.30	(7.6)
2.51	(63.8)	100	79	0.29	(7.4)
2.50	(63.5)	104	82	0.28	(7.1)
2.49	(63.2)	108	85	0.27	(6.9)
2.48	(63.0)	112	88	0.26	(6.6)
2.47	(62.7)	116	91	0.25	(6.4)
2.46	(62.5)	120	94	0.24	(6.1)
2.45	(62.2)		97	0.23	(5.8)
2.44	(62.0)		100	0.22	(5.6)
2.43	(61.7)		103	0.21	(5.3)
2.42	(61.5)		106	0.20	(5.1)
2.41	(61.2)		109	0.19	(4.8)
2.40	(61.0)		112	0.18	(4.6)
2.39	(60.7)		115	0.17	(4.3)
2.38	(60.5)		118	0.16	(4.1)
2.37	(60.2)		121	0.15	(3.8)

Undercarriage Code: 151, 1511, 351, 3511

Track Shoes

Extreme Service







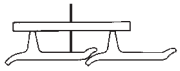
Depth Gauge Inches	(mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	(mm)
2.95	(75.0)	0	0	3.55	(90.2)
2.90	(73.5)	4	3	3.50	(88.9)
2.85	(72.5)	8	6	3.45	(87.6)
2.80	(71.0)	12	9	3.40	(86.4)
2.75	(70.0)	16	12	3.35	(85.1)
2.70	(68.5)	20	15	3.30	(83.8)
2.65	(67.5)	24	18	3.25	(82.6)
2.60	(66.0)	28	21	3.20	(81.3)
2.55	(65.0)	32	24	3.15	(80.0)
2.50	(63.5)	36	27	3.10	(78.7)
2.45	(62.0)	40	30	3.05	(77.5)
2.40	(61.0)	44	33	3.00	(76.2)
2.35	(59.5)	48	36	2.95	(74.9)
2.30	(58.5)	52	39	2.90	(73.7)
2.25	(57.0)	55	42	2.85	(72.4)
2.20	(56.0)	58	45	2.80	(71.1)
2.15	(54.5)	61	48	2.75	(69.9)
2.10	(53.5)	64	51	2.70	(68.6)
2.05	(52.0)	67	54	2.65	(67.3)
2.00	(51.0)	70	57	2.60	(66.0)
1.95	(49.5)	73	60	2.55	(64.8)
1.90	(48.5)	76	63	2.50	(63.5)
1.85	(47.0)	79	66	2.45	(62.2)
1.80	(45.5)	82	68	2.40	(61.0)
1.75	(44.5)	85	70	2.35	(59.7)
1.70	(43.0)	88	72	2.30	(58.4)
1.65	(42.0)	91	74	2.25	(57.2)
1.60	(40.5)	94	76	2.20	(55.9)
1.55	(39.5)	97	78	2.15	(54.6)
1.50	(38.0)	100	80	2.10	(53.3)
1.45	(37.0)	103	82	2.05	(52.1)
1.40	(35.5)	106	84	2.00	(50.8)
1.35	(34.5)	109	86	1.95	(49.5)
1.30	(33.0)	112	88	1.90	(48.3)
1.25	(32.0)	115	90	1.85	(47.0)
1.20	(30.5)	118	92	1.80	(45.7)
1.15	(29.0)	121	94	1.75	(44.5)
1.10	(28.0)		96	1.70	(43.2)
1.05	(26.5)		98	1.65	(41.9)
1.00	(25.5)		100	1.60	(40.6)
0.95	(24.0)		102	1.55	(39.4)
0.90	(23.0)		104	1.50	(38.1)
0.85	(21.5)		106	1.45	(36.8)
0.80	(20.5)		108	1.40	(35.6)
0.75	(19.0)		110	1.35	(34.3)
0.70	(18.0)		112	1.30	(33.0)
0.65	(16.5)		114	1.25	(31.8)
0.60	(15.0)		116	1.20	(30.5)
0.55	(14.0)		118	1.15	(29.2)
0.50	(12.5)		120	1.10	(27.9)

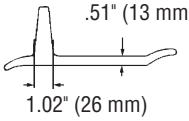
Undercarriage Code: 151, 1511, 154, 1551, 351, 3511, 353

D6, 955 — 8.00" (203.2 mm)

Track Shoes

Moderate Service





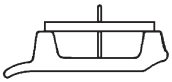


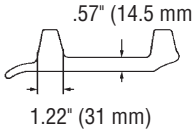
Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
2.55	(65.0)	0	0	3.05	(77.5)
2.50	(63.5)	5	4	3.00	(76.2)
2.45	(62.0)	10	8	2.95	(74.9)
2.40	(61.0)	15	12	2.90	(73.7)
2.35	(59.5)	20	16	2.85	(72.4)
2.30	(58.5)	25	20	2.80	(71.1)
2.25	(57.0)	30	24	2.75	(69.9)
2.20	(56.0)	35	28	2.70	(68.6)
2.15	(54.5)	40	31	2.65	(67.3)
2.10	(53.5)	45	34	2.60	(66.0)
2.05	(52.0)	50	37	2.55	(64.8)
2.00	(51.0)	55	40	2.50	(63.5)
1.95	(49.5)	60	43	2.45	(62.2)
1.90	(48.5)	65	46	2.40	(61.0)
1.85	(47.0)	70	49	2.35	(59.7)
1.80	(45.5)	75	52	2.30	(58.4)
1.75	(44.5)	80	55	2.25	(57.2)
1.70	(43.0)	84	58	2.20	(55.9)
1.65	(42.0)	88	61	2.15	(54.6)
1.60	(40.5)	92	64	2.10	(53.3)
1.55	(39.5)	96	67	2.05	(52.1)
1.50	(38.0)	100	70	2.00	(50.8)
1.45	(37.0)	104	73	1.95	(49.5)
1.40	(35.5)	108	76	1.90	(48.3)
1.35	(34.5)	112	79	1.85	(47.0)
1.30	(33.0)	116	82	1.80	(45.7)
1.25	(32.0)	120	85	1.75	(44.5)
1.20	(30.5)		88	1.70	(43.2)
1.15	(29.0)		91	1.65	(41.9)
1.10	(28.0)		94	1.60	(40.6)
1.05	(26.5)		97	1.55	(39.4)
1.00	(25.5)		100	1.50	(38.1)
0.95	(24.0)		103	1.45	(36.8)
0.90	(23.0)		106	1.40	(35.6)
0.85	(21.5)		109	1.35	(34.3)
0.80	(20.5)		112	1.30	(33.0)
0.75	(19.0)		115	1.25	(31.8)
0.70	(18.0)		118	1.20	(30.5)
0.65	(16.5)		121	1.15	(29.2)

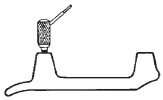
Undercarriage Code: 151, 1511, 154, 1551, 351, 3511, 353

Track Shoes

Double Grouser







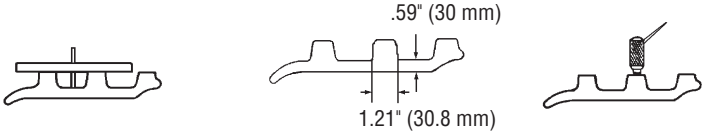
Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
1.65	(42.0)	0	0	2.20	(55.9)
1.60	(40.5)	6	5	2.15	(54.6)
1.55	(39.5)	12	10	2.10	(53.3)
1.50	(38.0)	18	15	2.05	(52.1)
1.45	(37.0)	24	20	2.00	(50.8)
1.40	(35.5)	30	25	1.95	(49.5)
1.35	(34.5)	36	30	1.90	(48.3)
1.30	(33.0)	42	35	1.85	(47.0)
1.25	(32.0)	48	40	1.80	(45.7)
1.20	(30.5)	54	44	1.75	(44.5)
1.15	(29.0)	60	48	1.70	(43.2)
1.10	(28.0)	65	52	1.65	(41.9)
1.05	(26.5)	70	56	1.60	(40.6)
1.00	(25.5)	75	60	1.55	(39.4)
0.95	(24.0)	80	64	1.50	(38.1)
0.90	(23.0)	85	68	1.45	(36.8)
0.85	(21.5)	90	72	1.40	(35.6)
0.80	(20.5)	95	76	1.35	(34.3)
0.75	(19.0)	100	80	1.30	(33.0)
0.70	(18.0)	105	84	1.25	(31.8)
0.65	(16.5)	110	88	1.20	(30.5)
0.60	(15.0)	115	92	1.15	(29.2)
0.55	(14.0)	120	96	1.10	(27.9)
0.50	(12.5)		100	1.05	(26.7)
0.45	(11.5)		104	1.00	(25.4)
0.40	(10.0)		108	0.95	(24.1)
0.35	(9.0)		112	0.90	(22.9)
0.30	(7.5)		116	0.85	(21.6)
0.25	(6.5)		120	0.80	(20.3)

Undercarriage Code: 151, 1511, 154, 1551, 351, 3511, 353

D6, 955 — 8.00" (203.2 mm)

Track Shoes

Triple Grouser

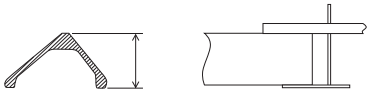


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.05	(26.5)	0	1.65	(41.9)
1.00	(25.5)	10	1.60	(40.6)
0.95	(24.0)	19	1.55	(39.4)
0.90	(23.0)	28	1.50	(38.1)
0.85	(21.5)	37	1.45	(36.8)
0.80	(20.5)	46	1.40	(35.6)
0.75	(19.0)	55	1.35	(34.3)
0.70	(18.0)	64	1.30	(33.0)
0.65	(16.5)	73	1.25	(31.8)
0.60	(15.0)	82	1.20	(30.5)
0.55	(14.0)	91	1.15	(29.2)
0.50	(12.5)	100	1.10	(27.9)
0.45	(11.5)	109	1.05	(26.7)
0.40	(10.0)	118	1.00	(25.4)
0.35	(9.0)	127	0.95	(24.1)

Undercarriage Code: 151, 1511, 154, 351, 3511, 353

Track Shoes

Self Cleaning



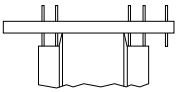
Depth Gauge Inches	(mm)	% Worn
3.61	(91.5)	0
3.59	(91.0)	4
3.57	(90.5)	8
3.55	(90.0)	12
3.53	(89.5)	16
3.51	(89.0)	20
3.49	(88.5)	24
3.47	(88.0)	28
3.45	(87.5)	32
3.43	(87.0)	36
3.41	(86.5)	40
3.39	(86.0)	44
3.37	(85.5)	48
3.35	(85.0)	52
3.33	(84.5)	55
3.31	(84.0)	58
3.29	(83.5)	61
3.27	(83.0)	64
3.25	(82.5)	67
3.23	(82.0)	70
3.21	(81.5)	73
3.19	(81.0)	76
3.17	(80.5)	79
3.15	(80.0)	82
3.13	(79.5)	85
3.11	(79.0)	88
3.09	(78.5)	91
3.07	(78.0)	94
3.05	(77.5)	97
3.03	(77.0)	100
3.01	(76.5)	103
2.99	(76.0)	106
2.97	(75.5)	109
2.95	(75.0)	112
2.93	(74.5)	115
2.91	(74.0)	118
2.89	(73.5)	121

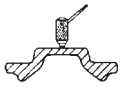
Undercarriage Code: 151, 1511, 154, 1551

D6, 955 — 8.00" (203.2 mm)

Idlers

Extended Life Idlers
(Has circular side plate indentations)





Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.78	(20.0)	0	0.49	(12.4)	0.00	(0.0)
0.80	(20.5)	6	0.47	(11.9)	0.02	(0.5)
0.82	(21.0)	12	0.45	(11.4)	0.04	(1.0)
0.84	(21.5)	18	0.43	(10.9)	0.06	(1.5)
0.86	(22.0)	24	0.41	(10.4)	0.08	(2.0)
0.88	(22.5)	30	0.39	(9.9)	0.10	(2.5)
0.90	(23.0)	36	0.37	(9.4)	0.12	(3.0)
0.92	(23.5)	42	0.35	(8.9)	0.14	(3.5)
0.94	(24.0)	48	0.33	(8.4)	0.16	(4.0)
0.96	(24.5)	54	0.31	(7.9)	0.18	(4.5)
0.98	(25.0)	60	0.29	(7.4)	0.20	(5.0)
1.00	(25.5)	66	0.27	(6.9)	0.22	(5.5)
1.02	(26.0)	72	0.25	(6.3)	0.24	(6.0)
1.04	(26.5)	76	0.23	(5.8)	0.26	(6.5)
1.06	(27.0)	78	0.21	(5.3)	0.28	(7.0)
1.08	(27.5)	80	0.19	(4.8)	0.30	(7.5)
1.10	(28.0)	82	0.17	(4.3)	0.32	(8.0)
1.12	(28.5)	84	0.15	(3.8)	0.34	(8.5)
1.14	(29.0)	86	0.13	(3.3)	0.36	(9.0)
1.16	(29.5)	88	0.11	(2.8)	0.38	(9.5)
1.18	(30.0)	90	0.09	(2.3)	0.40	(10.0)
1.20	(30.5)	92	0.07	(1.8)	0.42	(10.5)
1.22	(31.0)	94	0.05	(1.3)	0.44	(11.0)
1.24	(31.5)	96	0.03	(0.8)	0.46	(11.5)
1.26	(32.0)	98	0.01	(0.3)	0.48	(12.0)
1.28	(32.5)	100				
1.30	(33.0)	102				
1.32	(33.5)	104				
1.34	(34.0)	106				
1.36	(34.5)	108				
1.38	(35.0)	110				
1.40	(35.5)	112				
1.42	(36.0)	114				
1.44	(36.5)	116				
1.46	(37.0)	118				
1.48	(37.5)	120				

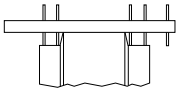
NOTE: Ultrasonic measurement is to determine flange wear only.

Flange width: 3.74" (95 mm)

Undercarriage Code: 154, 1551, 353

Idlers

(Has no side plate indentations)





Depth Gauge Inches	(mm)	% Worn
0.88	(22.5)	0
0.90	(23.0)	12
0.92	(23.5)	24
0.94	(24.0)	36
0.96	(24.5)	48
0.98	(25.0)	60
1.00	(25.5)	72
1.02	(26.0)	82
1.04	(26.5)	85
1.06	(27.0)	88
1.08	(27.5)	91
1.10	(28.0)	94
1.12	(28.5)	97
1.14	(29.0)	100
1.16	(29.5)	103
1.18	(30.0)	106
1.20	(30.5)	109
1.22	(31.0)	112
1.24	(31.5)	115
1.26	(32.0)	118
1.28	(32.5)	121

Flange width: 3.75" (95.5 mm)

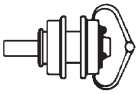
Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.42	(10.7)	0.00	(0.0)
0.40	(10.2)	0.02	(0.5)
0.38	(9.7)	0.04	(1.0)
0.36	(9.1)	0.06	(1.5)
0.34	(8.6)	0.08	(2.0)
0.32	(8.1)	0.10	(2.5)
0.30	(7.6)	0.12	(3.0)
0.28	(7.1)	0.14	(3.5)
0.26	(6.6)	0.16	(4.0)
0.24	(6.1)	0.18	(4.5)
0.22	(5.6)	0.20	(5.0)
0.20	(5.1)	0.22	(5.5)
0.18	(4.6)	0.24	(6.0)
0.16	(4.1)	0.26	(6.5)
0.14	(3.6)	0.28	(7.0)
0.12	(3.0)	0.30	(7.5)
0.10	(2.5)	0.32	(8.0)
0.08	(2.0)	0.34	(8.5)
0.06	(1.5)	0.36	(9.0)
0.04	(1.0)	0.38	(9.5)
0.02	(0.5)	0.40	(10.0)

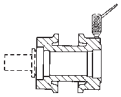
NOTE: Ultrasonic measurement is to determine flange wear only.

D6, 955 — 8.00" (203.2 mm)

Carrier Rollers

Use with 8E and 7T Links
Not for use with 955



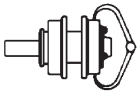


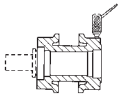
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
7.38	(187.5)	0	1.86	(47.2)
7.34	(186.5)	4	1.84	(46.7)
7.30	(185.5)	8	1.82	(46.2)
7.26	(184.5)	12	1.80	(45.7)
7.22	(183.5)	16	1.78	(45.2)
7.18	(182.5)	20	1.76	(44.7)
7.14	(181.5)	24	1.74	(44.2)
7.10	(180.5)	28	1.72	(43.7)
7.06	(179.5)	32	1.70	(43.2)
7.02	(178.5)	36	1.68	(42.7)
6.98	(177.5)	40	1.66	(42.2)
6.94	(176.5)	44	1.64	(41.7)
6.90	(175.5)	48	1.62	(41.1)
6.86	(174.0)	52	1.60	(40.6)
6.82	(173.0)	56	1.58	(40.1)
6.78	(172.0)	60	1.56	(39.6)
6.74	(171.0)	64	1.54	(39.1)
6.70	(170.0)	68	1.52	(38.6)
6.66	(169.0)	70	1.50	(38.1)
6.62	(168.0)	72	1.48	(37.6)
6.58	(167.0)	74	1.46	(37.1)
6.54	(166.0)	76	1.44	(36.6)
6.50	(165.0)	78	1.42	(36.1)
6.46	(164.0)	80	1.40	(35.6)
6.42	(163.0)	82	1.38	(35.1)
6.38	(162.0)	84	1.36	(34.5)
6.34	(161.0)	86	1.34	(34.0)
6.30	(160.0)	88	1.32	(33.5)
6.26	(159.0)	90	1.30	(33.0)
6.22	(158.0)	92	1.28	(32.5)
6.18	(157.0)	94	1.26	(32.0)
6.14	(156.0)	96	1.24	(31.5)
6.10	(155.0)	98	1.22	(31.0)
6.06	(154.0)	100	1.20	(30.5)
6.02	(153.0)	102	1.18	(30.0)
5.98	(152.0)	104	1.16	(29.5)
5.94	(151.0)	106	1.14	(29.0)
5.90	(150.0)	108	1.12	(28.4)
5.86	(149.0)	110	1.10	(27.9)
5.82	(148.0)	112	1.08	(27.4)
5.78	(147.0)	114	1.06	(26.9)
5.74	(146.0)	116	1.04	(26.4)
5.70	(145.0)	118	1.02	(25.9)
5.66	(144.0)	120	1.00	(25.4)

Undercarriage Code: 154, 1511

Carrier Rollers

Use with 3P Links
Not for use with 955



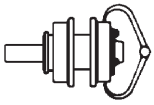


Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
7.38	(187.5)	0	1.86	(47.2)
7.34	(186.5)	5	1.84	(46.7)
7.30	(185.5)	10	1.82	(46.2)
7.26	(184.5)	15	1.80	(45.7)
7.22	(183.5)	20	1.78	(45.2)
7.18	(182.5)	25	1.76	(44.7)
7.14	(181.5)	30	1.74	(44.2)
7.10	(180.5)	35	1.72	(43.7)
7.06	(179.5)	40	1.70	(43.2)
7.02	(178.5)	45	1.68	(42.7)
6.98	(177.5)	50	1.66	(42.2)
6.94	(176.5)	55	1.64	(41.7)
6.90	(175.5)	60	1.62	(41.1)
6.86	(174.0)	65	1.60	(40.6)
6.82	(173.0)	70	1.58	(40.1)
6.78	(172.0)	75	1.56	(39.6)
6.74	(171.0)	79	1.54	(39.1)
6.70	(170.0)	82	1.52	(38.6)
6.66	(169.0)	85	1.50	(38.1)
6.62	(168.0)	88	1.48	(37.6)
6.58	(167.0)	91	1.46	(37.1)
6.54	(166.0)	94	1.44	(36.6)
6.50	(165.0)	97	1.42	(36.1)
6.46	(164.0)	100	1.40	(35.6)
6.42	(163.0)	103	1.38	(35.1)
6.38	(162.0)	106	1.36	(34.5)
6.34	(161.0)	109	1.34	(34.0)
6.30	(160.0)	112	1.32	(33.5)
6.26	(159.0)	115	1.30	(33.0)
6.22	(158.0)	118	1.28	(32.5)
6.18	(157.0)	121	1.26	(32.0)

Undercarriage Code: 151, 1511

Carrier Rollers

955 Carrier Roller
Cast Iron Rim

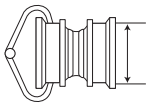
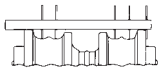
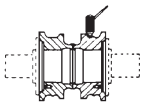


Caliper Inches	(mm)	% Worn
6.75	(171.5)	0
6.71	(170.5)	6
6.67	(169.5)	12
6.63	(168.5)	18
6.59	(167.5)	24
6.55	(166.5)	30
6.51	(165.5)	36
6.47	(164.5)	42
6.43	(163.5)	48
6.39	(162.5)	54
6.35	(161.5)	58
6.31	(160.5)	61
6.27	(159.5)	64
6.23	(158.0)	67
6.19	(157.0)	70
6.15	(156.0)	73
6.11	(155.0)	76
6.07	(154.0)	79
6.03	(153.0)	82
5.99	(152.0)	85
5.95	(151.0)	88
5.91	(150.0)	91
5.87	(149.0)	94
5.83	(148.0)	97
5.79	(147.0)	100
5.75	(146.0)	103
5.71	(145.0)	106
5.67	(144.0)	109
5.63	(143.0)	112
5.59	(142.0)	115
5.55	(141.0)	118
5.51	(140.0)	121

Undercarriage Code: 351, 3511, 353

Track Rollers

Extended Life Rollers
Use with 7T & 8E Links

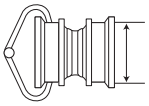
Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
8.95	(227.5)	0	0.58	(14.5)	2.23	(56.6)
8.91	(226.5)	3	0.60	(15.0)	2.21	(56.1)
8.87	(225.5)	6	0.62	(15.5)	2.19	(55.6)
8.83	(224.5)	9	0.64	(16.5)	2.17	(55.1)
8.79	(223.5)	12	0.66	(17.0)	2.15	(54.6)
8.75	(222.5)	15	0.68	(17.5)	2.13	(54.1)
8.71	(221.0)	18	0.70	(18.0)	2.11	(53.6)
8.67	(220.0)	21	0.72	(18.5)	2.09	(53.1)
8.63	(219.0)	24	0.74	(19.0)	2.07	(52.6)
8.59	(218.0)	27	0.76	(19.5)	2.05	(52.1)
8.55	(217.0)	30	0.78	(20.0)	2.03	(51.6)
8.51	(216.0)	33	0.80	(20.5)	2.01	(51.1)
8.47	(215.0)	36	0.82	(21.0)	1.99	(50.5)
8.43	(214.0)	39	0.84	(21.5)	1.97	(50.0)
8.39	(213.0)	42	0.86	(22.0)	1.95	(49.5)
8.35	(212.0)	45	0.88	(22.5)	1.93	(49.0)
8.31	(211.0)	48	0.90	(23.0)	1.91	(48.5)
8.27	(210.0)	51	0.92	(23.5)	1.89	(48.0)
8.23	(209.0)	54	0.94	(24.0)	1.87	(47.5)
8.19	(208.0)	57	0.96	(24.5)	1.85	(47.0)
8.15	(207.0)	60	0.98	(25.0)	1.83	(46.5)
8.11	(206.0)	63	1.00	(25.5)	1.81	(46.0)
8.07	(205.0)	66	1.02	(26.0)	1.79	(45.5)
8.03	(204.0)	68	1.04	(26.5)	1.77	(45.0)
7.99	(203.0)	70	1.06	(27.0)	1.75	(44.5)
7.95	(202.0)	72	1.08	(27.5)	1.73	(43.9)
7.91	(201.0)	74	1.10	(28.0)	1.71	(43.4)
7.87	(200.0)	76	1.12	(28.5)	1.69	(42.9)
7.83	(199.0)	78	1.14	(29.0)	1.67	(42.4)
7.79	(198.0)	80	1.16	(29.5)	1.65	(41.9)
7.75	(197.0)	82	1.18	(30.0)	1.63	(41.4)
7.71	(196.0)	84	1.20	(30.5)	1.61	(40.9)
7.67	(195.0)	86	1.22	(31.0)	1.59	(40.4)
7.63	(194.0)	88	1.24	(31.5)	1.57	(39.9)
7.59	(193.0)	90	1.26	(32.0)	1.55	(39.4)
7.55	(192.0)	92	1.28	(32.5)	1.53	(38.9)
7.51	(191.0)	94	1.30	(33.0)	1.51	(38.4)
7.47	(189.5)	96	1.32	(33.5)	1.49	(37.8)
7.43	(188.5)	98	1.34	(34.0)	1.47	(37.3)
7.39	(187.5)	100	1.36	(34.5)	1.45	(36.8)
7.35	(186.5)	102	1.38	(35.0)	1.43	(36.3)
7.31	(185.5)	104	1.40	(35.5)	1.41	(35.8)
7.27	(184.5)	106	1.42	(36.0)	1.39	(35.3)
7.23	(183.5)	108	1.44	(36.5)	1.37	(34.8)
7.19	(182.5)	110	1.46	(37.0)	1.35	(34.3)
7.15	(181.5)	112	1.48	(37.5)	1.33	(33.8)
7.11	(180.5)	114	1.50	(38.0)	1.31	(33.3)
7.07	(179.5)	116	1.52	(38.5)	1.29	(32.8)
7.03	(178.5)	118	1.54	(39.0)	1.27	(32.3)
6.99	(177.5)	120	1.56	(39.5)	1.25	(31.8)

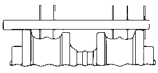
Flange diameter is 10.12" (257 mm)

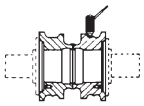
Undercarriage Code: 154, 1551, 353

Track Rollers

Use with 3P Links







Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
8.25	(209.5)	0	0.74	(19.0)	1.88	(47.8)
8.21	(208.5)	6	0.76	(19.5)	1.86	(47.2)
8.17	(207.5)	12	0.78	(20.0)	1.84	(46.7)
8.13	(206.5)	18	0.80	(20.5)	1.82	(46.2)
8.09	(205.5)	24	0.82	(21.0)	1.80	(45.7)
8.05	(204.5)	30	0.84	(21.5)	1.78	(45.2)
8.01	(203.5)	36	0.86	(22.0)	1.76	(44.7)
7.97	(202.5)	42	0.88	(22.5)	1.74	(44.2)
7.93	(201.5)	48	0.90	(23.0)	1.72	(43.7)
7.89	(200.5)	54	0.92	(23.5)	1.70	(43.2)
7.85	(199.5)	60	0.94	(24.0)	1.68	(42.7)
7.81	(198.5)	66	0.96	(24.5)	1.66	(42.2)
7.77	(197.5)	70	0.98	(25.0)	1.64	(41.7)
7.73	(196.5)	73	1.00	(25.5)	1.62	(41.1)
7.69	(195.5)	76	1.02	(26.0)	1.60	(40.6)
7.65	(194.5)	79	1.04	(26.5)	1.58	(40.1)
7.61	(193.5)	82	1.06	(27.0)	1.56	(39.6)
7.57	(192.5)	85	1.08	(27.5)	1.54	(39.1)
7.53	(191.5)	88	1.10	(28.0)	1.52	(38.6)
7.49	(190.0)	91	1.12	(28.5)	1.50	(38.1)
7.45	(189.0)	94	1.14	(29.0)	1.48	(37.6)
7.41	(188.0)	97	1.16	(29.5)	1.46	(37.1)
7.37	(187.0)	100	1.18	(30.0)	1.44	(36.6)
7.33	(186.0)	103	1.20	(30.5)	1.42	(36.1)
7.29	(185.0)	106	1.22	(31.0)	1.40	(35.6)
7.25	(184.0)	109	1.24	(31.5)	1.38	(35.1)
7.21	(183.0)	112	1.26	(32.0)	1.36	(34.5)
7.17	(182.0)	115	1.28	(32.5)	1.34	(34.0)
7.13	(181.0)	118	1.30	(33.0)	1.32	(33.5)
7.09	(180.0)	121	1.32	(33.5)	1.30	(33.0)

Flange diameter is 9.72" (247 mm)

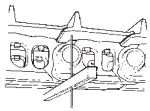
Undercarriage Code: 151, 1511, 351, 3511

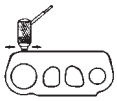
NOTES

D7, 977, 571, 572 — 8.50" (215.9 mm)

Track Links

7T4657 & 58
Extended Life Links



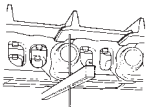


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
5.23	(133.0)	0	1.64	(41.7)
5.21	(132.5)	4	1.62	(41.1)
5.19	(132.0)	8	1.60	(40.6)
5.17	(131.5)	12	1.58	(40.1)
5.15	(131.0)	16	1.56	(39.6)
5.13	(130.5)	20	1.54	(39.1)
5.11	(130.0)	24	1.52	(38.6)
5.09	(129.5)	28	1.50	(38.1)
5.07	(129.0)	32	1.48	(37.6)
5.05	(128.5)	36	1.46	(37.1)
5.03	(128.0)	40	1.44	(36.6)
5.01	(127.5)	44	1.42	(36.1)
4.99	(126.5)	48	1.40	(35.6)
4.97	(126.0)	52	1.38	(35.1)
4.95	(125.5)	56	1.36	(34.5)
4.93	(125.0)	60	1.34	(34.0)
4.91	(124.5)	64	1.32	(33.5)
4.89	(124.0)	68	1.30	(33.0)
4.87	(123.5)	72	1.28	(32.5)
4.85	(123.0)	76	1.26	(32.0)
4.83	(122.5)	80	1.24	(31.5)
4.81	(122.0)	84	1.22	(31.0)
4.79	(121.5)	88	1.20	(30.5)
4.77	(121.0)	92	1.18	(30.0)
4.75	(120.5)	96	1.16	(29.5)
4.73	(120.0)	100	1.14	(29.0)
4.71	(119.5)	103	1.12	(28.4)
4.69	(119.0)	106	1.10	(27.9)
4.67	(118.5)	109	1.08	(27.4)
4.65	(118.0)	112	1.06	(26.9)
4.63	(117.5)	115	1.04	(26.4)
4.61	(117.0)	118	1.02	(25.9)
4.59	(116.5)	121	1.00	(25.4)

Undercarriage Code: 165, 383

Track Links

8S2589 & 90





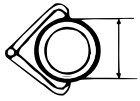
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
4.93	(125.0)	0	1.35	(34.3)
4.91	(124.5)	5	1.33	(33.8)
4.89	(124.0)	10	1.31	(33.3)
4.87	(123.5)	15	1.29	(32.8)
4.85	(123.0)	20	1.27	(32.3)
4.83	(122.5)	25	1.25	(31.8)
4.81	(122.0)	30	1.23	(31.2)
4.79	(121.5)	35	1.21	(30.7)
4.77	(121.0)	40	1.19	(30.2)
4.75	(120.5)	45	1.17	(29.7)
4.73	(120.0)	50	1.15	(29.2)
4.71	(119.5)	55	1.13	(28.7)
4.69	(119.0)	60	1.11	(28.2)
4.67	(118.5)	64	1.09	(27.7)
4.65	(118.0)	68	1.07	(27.2)
4.63	(117.5)	72	1.05	(26.7)
4.61	(117.0)	76	1.03	(26.2)
4.59	(116.5)	80	1.01	(25.7)
4.57	(116.0)	84	0.99	(25.1)
4.55	(115.5)	88	0.97	(24.6)
4.53	(115.0)	92	0.95	(24.1)
4.51	(114.5)	96	0.93	(23.6)
4.49	(114.0)	100	0.91	(23.1)
4.47	(113.5)	104	0.89	(22.6)
4.45	(113.0)	108	0.87	(22.1)
4.43	(112.5)	112	0.85	(21.6)
4.41	(112.0)	116	0.83	(21.1)
4.39	(111.5)	120	0.81	(20.6)

Undercarriage Code: 161, 381

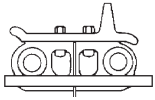
D7, 977, 571, 572 — 8.50" (215.9 mm)

Bushings for Sealed & Lubricated Track

Extended Life Bushings
Use with current 7T Links





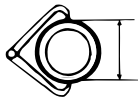


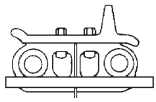
Caliper		Allowable Wear Lesser	Allowable Wear Greater	Ultrasonic		Depth Gauge	
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
3.04	(77.2)	0	0	0.56	(14.2)	3.69	(93.7)
3.03	(77.0)	6	5	0.55	(14.0)	3.68	(93.5)
3.02	(76.7)	12	10	0.54	(13.7)	3.67	(93.2)
3.01	(76.5)	18	15	0.53	(13.5)	3.66	(93.0)
3.00	(76.2)	24	20	0.52	(13.2)	3.65	(92.7)
2.99	(75.9)	30	25	0.51	(13.0)	3.64	(92.5)
2.98	(75.7)	36	30	0.50	(12.7)	3.63	(92.2)
2.97	(75.4)	42	35	0.49	(12.4)	3.62	(91.9)
2.96	(75.2)	48	40	0.48	(12.2)	3.61	(91.7)
2.95	(74.9)	54	45	0.47	(11.9)	3.60	(91.4)
2.94	(74.7)	58	50	0.46	(11.7)	3.59	(91.2)
2.93	(74.4)	61	54	0.45	(11.4)	3.58	(90.9)
2.92	(74.2)	64	56	0.44	(11.2)	3.57	(90.7)
2.91	(73.9)	67	58	0.43	(10.9)	3.56	(90.4)
2.90	(73.7)	70	60	0.42	(10.7)	3.55	(90.2)
2.89	(73.4)	73	62	0.41	(10.4)	3.54	(89.9)
2.88	(73.2)	76	64	0.40	(10.2)	3.53	(89.7)
2.87	(72.9)	79	66	0.39	(9.9)	3.52	(89.4)
2.86	(72.6)	82	68	0.38	(9.7)	3.51	(89.2)
2.85	(72.4)	85	70	0.37	(9.4)	3.50	(88.9)
2.84	(72.1)	88	72	0.36	(9.1)	3.49	(88.6)
2.83	(71.9)	91	74	0.35	(8.9)	3.48	(88.4)
2.82	(71.6)	94	76	0.34	(8.6)	3.47	(88.1)
2.81	(71.4)	97	78	0.33	(8.4)	3.46	(87.9)
2.80	(71.1)	100	80	0.32	(8.1)	3.45	(87.6)
2.79	(70.9)	103	82	0.31	(7.9)	3.44	(87.4)
2.78	(70.6)	106	84	0.30	(7.6)	3.43	(87.1)
2.77	(70.4)	109	86	0.29	(7.4)	3.42	(86.9)
2.76	(70.1)	112	88	0.28	(7.1)	3.41	(86.6)
2.75	(69.9)	115	90	0.27	(6.9)	3.40	(86.4)
2.74	(69.6)	118	92	0.26	(6.6)	3.39	(86.1)
2.73	(69.3)	121	94	0.25	(6.3)	3.38	(85.9)
2.72	(69.1)		96	0.24	(6.1)	3.37	(85.6)
2.71	(68.8)		98	0.23	(5.8)	3.36	(85.3)
2.70	(68.6)		100	0.22	(5.6)	3.35	(85.1)
2.69	(68.3)		102	0.21	(5.3)	3.34	(84.8)
2.68	(68.1)		104	0.20	(5.1)	3.33	(84.6)
2.67	(67.8)		106	0.19	(4.8)	3.32	(84.3)
2.66	(67.6)		108	0.18	(4.6)	3.31	(84.1)
2.65	(67.3)		110	0.17	(4.3)	3.30	(83.8)
2.64	(67.1)		112	0.16	(4.1)	3.29	(83.6)
2.63	(66.8)		114	0.15	(3.8)	3.28	(83.3)
2.62	(66.5)		116	0.14	(3.6)	3.27	(83.1)
2.61	(66.3)		118	0.13	(3.3)	3.26	(82.8)
2.60	(66.0)		120	0.12	(3.0)	3.25	(82.6)

Undercarriage Code: 165, 383

Bushings for Sealed & Lubricated Track

Use with 8S Links and earlier 7T Links



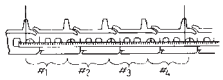


Caliper		Allowable Wear		Ultrasonic		Depth Gauge	
		Lesser	Greater				
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
2.93	(74.4)	0	0	0.51	(13.0)	3.65	(92.7)
2.92	(74.2)	6	5	0.50	(12.7)	3.64	(92.5)
2.91	(73.9)	12	10	0.49	(12.4)	3.63	(92.2)
2.90	(73.7)	18	15	0.48	(12.2)	3.62	(91.9)
2.89	(73.4)	24	20	0.47	(11.9)	3.61	(91.7)
2.88	(73.2)	30	25	0.46	(11.7)	3.60	(91.4)
2.87	(72.9)	36	30	0.45	(11.4)	3.59	(91.2)
2.86	(72.6)	42	35	0.44	(11.2)	3.58	(90.9)
2.85	(72.4)	48	40	0.43	(10.9)	3.57	(90.7)
2.84	(72.1)	54	45	0.42	(10.7)	3.56	(90.4)
2.83	(71.9)	60	50	0.41	(10.4)	3.55	(90.2)
2.82	(71.6)	66	55	0.40	(10.2)	3.54	(89.9)
2.81	(71.4)	72	60	0.39	(9.9)	3.53	(89.7)
2.80	(71.1)	78	65	0.38	(9.7)	3.52	(89.4)
2.79	(70.9)	84	70	0.37	(9.4)	3.51	(89.2)
2.78	(70.6)	88	72	0.36	(9.1)	3.50	(88.9)
2.77	(70.4)	91	74	0.35	(8.9)	3.49	(88.6)
2.76	(70.1)	94	76	0.34	(8.6)	3.48	(88.4)
2.75	(69.9)	97	78	0.33	(8.4)	3.47	(88.1)
2.74	(69.6)	100	80	0.32	(8.1)	3.46	(87.9)
2.73	(69.3)	103	82	0.31	(7.9)	3.45	(87.6)
2.72	(69.1)	106	84	0.30	(7.6)	3.44	(87.4)
2.71	(68.8)	109	86	0.29	(7.4)	3.43	(87.1)
2.70	(68.6)	112	88	0.28	(7.1)	3.42	(86.9)
2.69	(68.3)	115	90	0.27	(6.9)	3.41	(86.6)
2.68	(68.1)	118	92	0.26	(6.6)	3.40	(86.4)
2.67	(67.8)	121	94	0.25	(6.3)	3.39	(86.1)
2.66	(67.6)		96	0.24	(6.1)	3.38	(85.9)
2.65	(67.3)		98	0.23	(5.8)	3.37	(85.6)
2.64	(67.1)		100	0.22	(5.6)	3.36	(85.3)
2.63	(66.8)		102	0.21	(5.3)	3.35	(85.1)
2.62	(66.5)		104	0.20	(5.1)	3.34	(84.8)
2.61	(66.3)		106	0.19	(4.8)	3.33	(84.6)
2.60	(66.0)		108	0.18	(4.6)	3.32	(84.3)
2.59	(65.8)		110	0.17	(4.3)	3.31	(84.1)
2.58	(65.5)		112	0.16	(4.1)	3.30	(83.8)
2.57	(65.3)		114	0.15	(3.8)	3.29	(83.6)
2.56	(65.0)		116	0.14	(3.6)	3.28	(83.3)
2.55	(64.8)		118	0.13	(3.3)	3.27	(83.1)
2.54	(64.5)		120	0.12	(3.0)	3.26	(82.8)

Undercarriage Code: 161, 381

Pins and Bushings for Sealed Track

Internal Wear



Inches	(mm)	% Worn
34.05	(865.0)	0
34.10	(866.0)	10
34.15	(867.5)	20
34.20	(868.5)	30
34.25	(870.0)	40
34.30	(871.0)	50
34.35	(872.5)	60
34.40	(874.0)	70
34.45	(875.0)	80
34.50	(876.5)	90
34.55	(877.5)	100
34.60	(879.0)	105
34.65	(880.0)	110
34.70	(881.5)	115
34.75	(882.5)	120

Undercarriage Code: 161, 381

Track Bushings for Sealed Track

External Wear





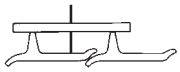
Caliper Inches	(mm)	Allowable Wear Lesser % Worn	Greater % Worn	Ultrasonic Inches	(mm)
2.83	(71.9)	0	0	0.46	(11.7)
2.82	(71.6)	9	7	0.45	(11.4)
2.81	(71.4)	18	14	0.44	(11.2)
2.80	(71.1)	27	21	0.43	(10.9)
2.79	(70.9)	36	28	0.42	(10.7)
2.78	(70.6)	45	35	0.41	(10.4)
2.77	(70.4)	54	42	0.40	(10.2)
2.76	(70.1)	63	49	0.39	(9.9)
2.75	(69.9)	72	56	0.38	(9.7)
2.74	(69.6)	81	63	0.37	(9.4)
2.73	(69.3)	88	70	0.36	(9.1)
2.72	(69.1)	92	73	0.35	(8.9)
2.71	(68.8)	96	76	0.34	(8.6)
2.70	(68.6)	100	79	0.33	(8.4)
2.69	(68.3)	104	82	0.32	(8.1)
2.68	(68.1)	108	85	0.31	(7.9)
2.67	(67.8)	112	88	0.30	(7.6)
2.66	(67.6)	116	91	0.29	(7.4)
2.65	(67.3)	120	94	0.28	(7.1)
2.64	(67.1)		97	0.27	(6.9)
2.63	(66.8)		100	0.26	(6.6)
2.62	(66.5)		103	0.25	(6.4)
2.61	(66.3)		106	0.24	(6.1)
2.60	(66.0)		109	0.23	(5.8)
2.59	(65.8)		112	0.22	(5.6)
2.58	(65.5)		115	0.21	(5.3)
2.57	(65.3)		118	0.20	(5.1)
2.56	(65.0)		121	0.19	(4.8)

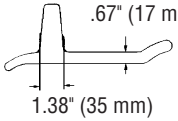
Undercarriage Code: 161, 381

D7, 977, 571, 572 — 8.50" (215.9 mm)

Track Shoes

Extreme Service





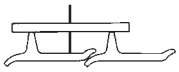


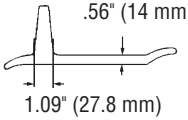
Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
2.80	(71.0)	0	0	3.45	(87.6)
2.75	(70.0)	4	3	3.40	(86.4)
2.70	(68.5)	8	6	3.35	(85.1)
2.65	(67.5)	12	9	3.30	(83.8)
2.60	(66.0)	16	12	3.25	(82.6)
2.55	(65.0)	20	15	3.20	(81.3)
2.50	(63.5)	24	18	3.15	(80.0)
2.45	(62.0)	28	21	3.10	(78.7)
2.40	(61.0)	32	24	3.05	(77.5)
2.35	(59.5)	36	27	3.00	(76.2)
2.30	(58.5)	40	30	2.95	(74.9)
2.25	(57.0)	44	33	2.90	(73.7)
2.20	(56.0)	48	36	2.85	(72.4)
2.15	(54.5)	52	39	2.80	(71.1)
2.10	(53.5)	56	42	2.75	(69.9)
2.05	(52.0)	60	45	2.70	(68.6)
2.00	(51.0)	64	48	2.65	(67.3)
1.95	(49.5)	68	51	2.60	(66.0)
1.90	(48.5)	72	54	2.55	(64.8)
1.85	(47.0)	76	57	2.50	(63.5)
1.80	(45.5)	80	60	2.45	(62.2)
1.75	(44.5)	84	63	2.40	(61.0)
1.70	(43.0)	88	66	2.35	(59.7)
1.65	(42.0)	91	69	2.30	(58.4)
1.60	(40.5)	94	72	2.25	(57.2)
1.55	(39.5)	97	75	2.20	(55.9)
1.50	(38.0)	100	78	2.15	(54.6)
1.45	(37.0)	103	81	2.10	(53.3)
1.40	(35.5)	106	84	2.05	(52.1)
1.35	(34.5)	109	86	2.00	(50.8)
1.30	(33.0)	112	88	1.95	(49.5)
1.25	(32.0)	115	90	1.90	(48.3)
1.20	(30.5)	118	92	1.85	(47.0)
1.15	(29.0)	121	94	1.80	(45.7)
1.10	(28.0)		96	1.75	(44.5)
1.05	(26.5)		98	1.70	(43.2)
1.00	(25.5)		100	1.65	(41.9)
0.95	(24.0)		102	1.60	(40.6)
0.90	(23.0)		104	1.55	(39.4)
0.85	(21.5)		106	1.50	(38.1)
0.80	(20.5)		108	1.45	(36.8)
0.75	(19.0)		110	1.40	(35.6)
0.70	(18.0)		112	1.35	(34.3)
0.65	(16.5)		114	1.30	(33.0)
0.60	(15.0)		116	1.25	(31.8)
0.55	(14.0)		118	1.20	(30.5)
0.50	(12.5)		120	1.15	(29.2)

Undercarriage Code: 161, 165, 381, 383

Track Shoes

Moderate Service







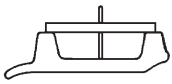
Depth Gauge Inches	(mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	(mm)
2.75	(70.0)	0	0	3.30	(83.8)
2.70	(68.5)	4	3	3.25	(82.6)
2.65	(67.5)	8	6	3.20	(81.3)
2.60	(66.0)	12	9	3.15	(80.0)
2.55	(65.0)	16	12	3.10	(78.7)
2.50	(63.5)	20	15	3.05	(77.5)
2.45	(62.0)	24	18	3.00	(76.2)
2.40	(61.0)	28	21	2.95	(74.9)
2.35	(59.5)	32	24	2.90	(73.7)
2.30	(58.5)	36	27	2.85	(72.4)
2.25	(57.0)	40	30	2.80	(71.1)
2.20	(56.0)	44	33	2.75	(69.9)
2.15	(54.5)	48	36	2.70	(68.6)
2.10	(53.5)	52	39	2.65	(67.3)
2.05	(52.0)	56	42	2.60	(66.0)
2.00	(51.0)	60	45	2.55	(64.8)
1.95	(49.5)	64	48	2.50	(63.5)
1.90	(48.5)	68	51	2.45	(62.2)
1.85	(47.0)	72	54	2.40	(61.0)
1.80	(45.5)	76	57	2.35	(59.7)
1.75	(44.5)	80	60	2.30	(58.4)
1.70	(43.0)	84	63	2.25	(57.2)
1.65	(42.0)	88	66	2.20	(55.9)
1.60	(40.5)	92	69	2.15	(54.6)
1.55	(39.5)	96	72	2.10	(53.3)
1.50	(38.0)	100	75	2.05	(52.1)
1.45	(37.0)	104	78	2.00	(50.8)
1.40	(35.5)	108	81	1.95	(49.5)
1.35	(34.5)	112	84	1.90	(48.3)
1.30	(33.0)	116	87	1.85	(47.0)
1.25	(32.0)	120	90	1.80	(45.7)
1.20	(30.5)		92	1.75	(44.5)
1.15	(29.0)		94	1.70	(43.2)
1.10	(28.0)		96	1.65	(41.9)
1.05	(26.5)		98	1.60	(40.6)
1.00	(25.5)		100	1.55	(39.4)
0.95	(24.0)		102	1.50	(38.1)
0.90	(23.0)		104	1.45	(36.8)
0.85	(21.5)		106	1.40	(35.6)
0.80	(20.5)		108	1.35	(34.3)
0.75	(19.0)		110	1.30	(33.0)
0.70	(18.0)		112	1.25	(31.8)
0.65	(16.5)		114	1.20	(30.5)
0.60	(15.0)		116	1.15	(29.2)
0.55	(14.0)		118	1.10	(27.9)
0.50	(12.5)		120	1.05	(26.7)

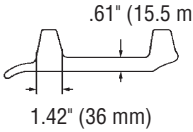
Undercarriage Code: 161, 165, 381, 383

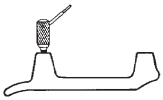
D7, 977, 571, 572 — 8.50" (215.9 mm)

Track Shoes

Double Grouser





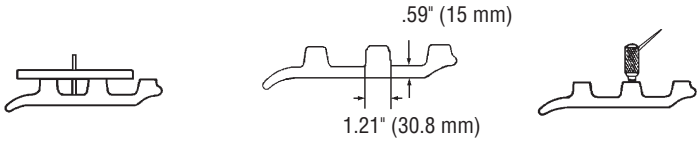


Depth Gauge Inches	(mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	(mm)
1.95	(49.5)	0	0	2.55	(64.8)
1.90	(48.5)	5	4	2.50	(63.5)
1.85	(47.0)	10	8	2.45	(62.2)
1.80	(45.5)	15	12	2.40	(61.0)
1.75	(44.5)	20	16	2.35	(59.7)
1.70	(43.0)	24	20	2.30	(58.4)
1.65	(42.0)	28	24	2.25	(57.2)
1.60	(40.5)	32	28	2.20	(55.9)
1.55	(39.5)	36	32	2.15	(54.6)
1.50	(38.0)	40	36	2.10	(53.3)
1.45	(37.0)	44	40	2.05	(52.1)
1.40	(35.5)	48	44	2.00	(50.8)
1.35	(34.5)	52	48	1.95	(49.5)
1.30	(33.0)	56	52	1.90	(48.3)
1.25	(32.0)	60	55	1.85	(47.0)
1.20	(30.5)	64	58	1.80	(45.7)
1.15	(29.0)	68	61	1.75	(44.5)
1.10	(28.0)	72	64	1.70	(43.2)
1.05	(26.5)	76	67	1.65	(41.9)
1.00	(25.5)	80	70	1.60	(40.6)
0.95	(24.0)	84	73	1.55	(39.4)
0.90	(23.0)	88	76	1.50	(38.1)
0.85	(21.5)	92	79	1.45	(36.8)
0.80	(20.5)	96	82	1.40	(35.6)
0.75	(19.0)	100	85	1.35	(34.3)
0.70	(18.0)	104	88	1.30	(33.0)
0.65	(16.5)	108	91	1.25	(31.8)
0.60	(15.0)	112	94	1.20	(30.5)
0.55	(14.0)	116	97	1.15	(29.2)
0.50	(12.5)	120	100	1.10	(27.9)
0.45	(11.5)		103	1.05	(26.7)
0.40	(10.0)		106	1.00	(25.4)
0.35	(9.0)		109	0.95	(24.1)
0.30	(7.5)		112	0.90	(22.9)
0.25	(6.5)		115	0.85	(21.6)
0.20	(5.0)		118	0.80	(20.3)
0.15	(4.0)		121	0.75	(19.1)

Undercarriage Code: 161, 165, 381, 383

Track Shoes

Triple Grouser



Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
1.05	(26.5)	0	1.65	(41.9)
1.00	(25.5)	10	1.60	(40.6)
0.95	(24.0)	19	1.55	(39.4)
0.90	(23.0)	28	1.50	(38.1)
0.85	(21.5)	37	1.45	(36.8)
0.80	(20.5)	46	1.40	(35.6)
0.75	(19.0)	55	1.35	(34.3)
0.70	(18.0)	64	1.30	(33.0)
0.65	(16.5)	73	1.25	(31.8)
0.60	(15.0)	82	1.20	(30.5)
0.55	(14.0)	91	1.15	(29.2)
0.50	(12.5)	100	1.10	(27.9)
0.45	(11.5)	109	1.05	(26.7)
0.40	(10.0)	118	1.00	(25.4)
0.35	(9.0)	127	0.95	(24.1)

Undercarriage Code: 161, 165, 381, 383

D7, 977, 571, 572 — 8.50" (215.9 mm)

Track Shoes

Self Cleaning

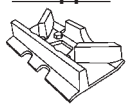


Depth Gauge Inches	(mm)	% Worn
4.08	(103.5)	0
4.06	(103.0)	4
4.04	(102.5)	8
4.02	(102.0)	12
4.00	(101.5)	16
3.98	(101.0)	20
3.96	(100.5)	24
3.94	(100.0)	28
3.92	(99.5)	32
3.90	(99.0)	36
3.88	(98.5)	40
3.86	(98.0)	44
3.84	(97.5)	48
3.82	(97.0)	52
3.80	(96.5)	55
3.78	(96.0)	58
3.76	(95.5)	61
3.74	(95.0)	64
3.72	(94.5)	67
3.70	(94.0)	70
3.68	(93.5)	73
3.66	(93.0)	76
3.64	(92.5)	79
3.62	(92.0)	82
3.60	(91.5)	85
3.58	(91.0)	88
3.56	(90.5)	91
3.54	(90.0)	94
3.52	(89.5)	97
3.50	(89.0)	100
3.48	(88.5)	103
3.46	(88.0)	106
3.44	(87.5)	109
3.42	(87.0)	112
3.40	(86.5)	115
3.38	(86.0)	118
3.36	(85.5)	121

Undercarriage Code: 161, 165

Track Shoes

Chopper



Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
3.15	(80.0)	0	3.75	(95.3)
3.05	(77.5)	5	3.65	(92.7)
2.95	(75.0)	10	3.55	(90.2)
2.85	(72.5)	15	3.45	(87.6)
2.75	(70.0)	20	3.35	(85.1)
2.65	(67.5)	24	3.25	(82.6)
2.55	(65.0)	28	3.15	(80.0)
2.45	(62.0)	32	3.05	(77.5)
2.35	(59.5)	36	2.95	(74.9)
2.25	(57.0)	40	2.85	(72.4)
2.15	(54.5)	44	2.75	(69.9)
2.05	(52.0)	48	2.65	(67.3)
1.95	(49.5)	52	2.55	(64.8)
1.85	(47.0)	56	2.45	(62.2)
1.75	(44.5)	60	2.35	(59.7)
1.65	(42.0)	64	2.25	(57.2)
1.55	(39.5)	68	2.15	(54.6)
1.45	(37.0)	72	2.05	(52.1)
1.35	(34.5)	76	1.95	(49.5)
1.25	(31.5)	80	1.85	(47.0)
1.15	(29.0)	84	1.75	(44.5)
1.05	(26.5)	88	1.65	(41.9)
0.95	(24.0)	92	1.55	(39.4)
0.85	(21.5)	96	1.45	(36.8)
0.75	(19.0)	100	1.35	(34.3)
0.65	(16.5)	104	1.25	(31.7)
0.55	(14.0)	108	1.15	(29.2)
0.45	(11.5)	112	1.05	(26.7)
0.35	(9.0)	116	0.95	(24.1)
0.25	(6.5)	120	0.85	(21.6)

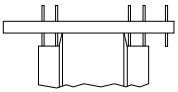
NOTE: When measuring with the Ultrasonic Wear Indicator, measure in the center of the full length grouser.

Undercarriage Code: 161, 165, 381, 383

D7, 977, 571, 572 — 8.50" (215.9 mm)

Idlers

Extended Life Idlers
(Has circular side plate indentations)





Depth Gauge Inches	(mm)	% Worn
0.78	(20.0)	0
0.80	(20.5)	6
0.82	(21.0)	12
0.84	(21.5)	18
0.86	(22.0)	24
0.88	(22.5)	30
0.90	(23.0)	36
0.92	(23.5)	42
0.94	(24.0)	48
0.96	(24.5)	54
0.98	(25.0)	60
1.00	(25.5)	66
1.02	(26.0)	72
1.04	(26.5)	76
1.06	(27.0)	78
1.08	(27.5)	80
1.10	(28.0)	82
1.12	(28.5)	84
1.14	(29.0)	86
1.16	(29.5)	88
1.18	(30.0)	90
1.20	(30.5)	92
1.22	(31.0)	94
1.24	(31.5)	96
1.26	(32.0)	98
1.28	(32.5)	100
1.30	(33.0)	102
1.32	(33.5)	104
1.34	(34.0)	106
1.36	(34.5)	108
1.38	(35.0)	110
1.40	(35.5)	112
1.42	(36.0)	114
1.44	(36.5)	116
1.46	(37.0)	118
1.48	(37.5)	120

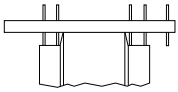
Flange width: 4.02" (102 mm)

Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.48	(12.2)	0.00	(0.0)
0.46	(11.7)	0.02	(0.5)
0.44	(11.2)	0.04	(1.0)
0.42	(10.7)	0.06	(1.5)
0.40	(10.2)	0.08	(2.0)
0.38	(9.7)	0.10	(2.5)
0.36	(9.1)	0.12	(3.0)
0.34	(8.6)	0.14	(3.5)
0.32	(8.1)	0.16	(4.0)
0.30	(7.6)	0.18	(4.5)
0.28	(7.1)	0.20	(5.0)
0.26	(6.6)	0.22	(5.5)
0.24	(6.1)	0.24	(6.0)
0.22	(5.6)	0.26	(6.5)
0.20	(5.1)	0.28	(7.0)
0.18	(4.6)	0.30	(7.5)
0.16	(4.1)	0.32	(8.0)
0.14	(3.6)	0.34	(8.5)
0.12	(3.0)	0.36	(9.0)
0.10	(2.5)	0.38	(9.5)
0.08	(2.0)	0.40	(10.0)
0.06	(1.5)	0.42	(10.5)
0.04	(1.0)	0.44	(11.0)
0.02	(0.5)	0.46	(11.5)

NOTE: Ultrasonic measurement is to determine flange wear only.

Idlers

(Has no side plate indentations)





Depth Gauge Inches	(mm)	% Worn
0.86	(22.0)	0
0.88	(22.5)	9
0.90	(23.0)	18
0.92	(23.5)	27
0.94	(24.0)	36
0.96	(24.5)	45
0.98	(25.0)	54
1.00	(25.5)	63
1.02	(26.0)	72
1.04	(26.5)	80
1.06	(27.0)	82
1.08	(27.5)	84
1.10	(28.0)	86
1.12	(28.5)	88
1.14	(29.0)	90
1.16	(29.5)	92
1.18	(30.0)	94
1.20	(30.5)	96
1.22	(31.0)	98
1.24	(31.5)	100
1.26	(32.0)	102
1.28	(32.5)	104
1.30	(33.0)	106
1.32	(33.5)	108
1.34	(34.0)	110
1.36	(34.5)	112
1.38	(35.0)	114
1.40	(35.5)	116
1.42	(36.0)	118
1.44	(36.5)	120

Flange width: 4.00" (101.6 mm)

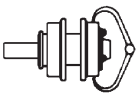
Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.42	(10.7)	0.00	(0.0)
0.40	(10.2)	0.02	(0.5)
0.38	(9.7)	0.04	(1.0)
0.36	(9.1)	0.06	(1.5)
0.34	(8.6)	0.08	(2.0)
0.32	(8.1)	0.10	(2.5)
0.30	(7.6)	0.12	(3.0)
0.28	(7.1)	0.14	(3.5)
0.26	(6.6)	0.16	(4.0)
0.24	(6.1)	0.18	(4.5)
0.22	(5.6)	0.20	(5.0)
0.20	(5.1)	0.22	(5.5)
0.18	(4.6)	0.24	(6.0)
0.16	(4.1)	0.26	(6.5)
0.14	(3.6)	0.28	(7.0)
0.12	(3.0)	0.30	(7.5)
0.10	(2.5)	0.32	(8.0)
0.08	(2.0)	0.34	(8.5)
0.06	(1.5)	0.36	(9.0)
0.04	(1.0)	0.38	(9.5)
0.02	(0.5)	0.40	(10.0)

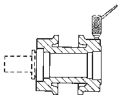
NOTE: Ultrasonic measurement is to determine flange wear only.

D7, 977, 571, 572 — 8.50" (215.9 mm)

Carrier Rollers

Use with 7T Links



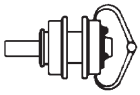


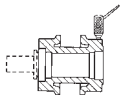
Caliper Inches	Caliper (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
7.50	(190.5)	0	1.92	(48.8)
7.46	(189.5)	4	1.90	(48.3)
7.42	(188.5)	8	1.88	(47.8)
7.38	(187.5)	12	1.86	(47.2)
7.34	(186.5)	16	1.84	(46.7)
7.30	(185.5)	20	1.82	(46.2)
7.26	(184.5)	24	1.80	(45.7)
7.22	(183.5)	28	1.78	(45.2)
7.18	(182.5)	32	1.76	(44.7)
7.14	(181.5)	36	1.74	(44.2)
7.10	(180.5)	40	1.72	(43.7)
7.06	(179.5)	44	1.70	(43.2)
7.02	(178.5)	48	1.68	(42.7)
6.98	(177.5)	50	1.66	(42.2)
6.94	(176.5)	52	1.64	(41.7)
6.90	(175.5)	54	1.62	(41.1)
6.86	(174.0)	56	1.60	(40.6)
6.82	(173.0)	58	1.58	(40.1)
6.78	(172.0)	60	1.56	(39.6)
6.74	(171.0)	62	1.54	(39.1)
6.70	(170.0)	64	1.52	(38.6)
6.66	(169.0)	66	1.50	(38.1)
6.62	(168.0)	68	1.48	(37.6)
6.58	(167.0)	70	1.46	(37.1)
6.54	(166.0)	72	1.44	(36.6)
6.50	(165.0)	74	1.42	(36.1)
6.46	(164.0)	76	1.40	(35.6)
6.42	(163.0)	78	1.38	(35.1)
6.38	(162.0)	80	1.36	(34.5)
6.34	(161.0)	82	1.34	(34.0)
6.30	(160.0)	84	1.32	(33.5)
6.26	(159.0)	86	1.30	(33.0)
6.22	(158.0)	88	1.28	(32.5)
6.18	(157.0)	90	1.26	(32.0)
6.14	(156.0)	92	1.24	(31.5)
6.10	(155.0)	94	1.22	(31.0)
6.06	(154.0)	96	1.20	(30.5)
6.02	(153.0)	98	1.18	(30.0)
5.98	(152.0)	100	1.16	(29.5)
5.94	(151.0)	102	1.14	(29.0)
5.90	(150.0)	104	1.12	(28.4)
5.86	(149.0)	106	1.10	(27.9)
5.82	(148.0)	108	1.08	(27.4)
5.78	(147.0)	110	1.06	(26.9)
5.74	(146.0)	112	1.04	(26.4)
5.70	(145.0)	114	1.02	(25.9)
5.66	(144.0)	116	1.00	(25.4)
5.62	(142.5)	118	0.98	(24.9)
5.58	(141.5)	120	0.96	(24.4)

Undercarriage Code: 165, 383

Carrier Rollers

Use with 8S Links





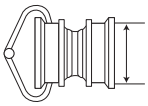
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
7.50	(190.5)	0	1.92	(48.8)
7.46	(189.5)	6	1.90	(48.3)
7.42	(188.5)	12	1.88	(47.8)
7.38	(187.5)	18	1.86	(47.2)
7.34	(186.5)	24	1.84	(46.7)
7.30	(185.5)	30	1.82	(46.2)
7.26	(184.5)	36	1.80	(45.7)
7.22	(183.5)	42	1.78	(45.2)
7.18	(182.5)	48	1.76	(44.7)
7.14	(181.5)	54	1.74	(44.2)
7.10	(180.5)	60	1.72	(43.7)
7.06	(179.5)	66	1.70	(43.2)
7.02	(178.5)	72	1.68	(42.7)
6.98	(177.5)	76	1.66	(42.2)
6.94	(176.5)	80	1.64	(41.7)
6.90	(175.5)	84	1.62	(41.1)
6.86	(174.0)	88	1.60	(40.6)
6.82	(173.0)	92	1.58	(40.1)
6.78	(172.0)	96	1.56	(39.6)
6.74	(171.0)	100	1.54	(39.1)
6.70	(170.0)	104	1.52	(38.6)
6.66	(169.0)	108	1.50	(38.1)
6.62	(168.0)	112	1.48	(37.6)
6.58	(167.0)	116	1.46	(37.1)
6.54	(166.0)	120	1.44	(36.6)

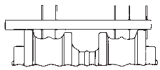
Undercarriage Code: 161, 381

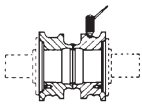
D7, 977, 571, 572 — 8.50" (215.9 mm)

Track Rollers

Extended Life Rollers
Use with 7T Links







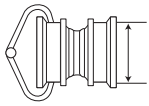
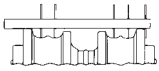
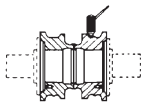
Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
9.23	(234.5)	0	0.64	(16.5)	2.30	(58.4)
9.19	(233.5)	3	0.66	(17.0)	2.28	(57.9)
9.15	(232.5)	6	0.68	(17.5)	2.26	(57.4)
9.11	(231.5)	9	0.70	(18.0)	2.24	(56.9)
9.07	(230.5)	12	0.72	(18.5)	2.22	(56.4)
9.03	(229.5)	15	0.74	(19.0)	2.20	(55.9)
8.99	(228.5)	18	0.76	(19.5)	2.18	(55.4)
8.95	(227.5)	21	0.78	(20.0)	2.16	(54.9)
8.91	(226.5)	24	0.80	(20.5)	2.14	(54.4)
8.87	(225.5)	27	0.82	(21.0)	2.12	(53.8)
8.83	(224.5)	30	0.84	(21.5)	2.10	(53.3)
8.79	(223.5)	33	0.86	(22.0)	2.08	(52.8)
8.75	(222.5)	36	0.88	(22.5)	2.06	(52.3)
8.71	(221.0)	39	0.90	(23.0)	2.04	(51.8)
8.67	(220.0)	42	0.92	(23.5)	2.02	(51.3)
8.63	(219.0)	45	0.94	(24.0)	2.00	(50.8)
8.59	(218.0)	48	0.96	(24.5)	1.98	(50.3)
8.55	(217.0)	51	0.98	(25.0)	1.96	(49.8)
8.51	(216.0)	54	1.00	(25.5)	1.94	(49.3)
8.47	(215.0)	57	1.02	(26.0)	1.92	(48.8)
8.43	(214.0)	60	1.04	(26.5)	1.90	(48.3)
8.39	(213.0)	63	1.06	(27.0)	1.88	(47.8)
8.35	(212.0)	66	1.08	(27.5)	1.86	(47.2)
8.31	(211.0)	68	1.10	(28.0)	1.84	(46.7)
8.27	(210.0)	70	1.12	(28.5)	1.82	(46.2)
8.23	(209.0)	72	1.14	(29.0)	1.80	(45.7)
8.19	(208.0)	74	1.16	(29.5)	1.78	(45.2)
8.15	(207.0)	76	1.18	(30.0)	1.76	(44.7)
8.11	(206.0)	78	1.20	(30.5)	1.74	(44.2)
8.07	(205.0)	80	1.22	(31.0)	1.72	(43.7)
8.03	(204.0)	82	1.24	(31.5)	1.70	(43.2)
7.99	(203.0)	84	1.26	(32.0)	1.68	(42.7)
7.95	(202.0)	86	1.28	(32.5)	1.66	(42.2)
7.91	(201.0)	88	1.30	(33.0)	1.64	(41.7)
7.87	(200.0)	90	1.32	(33.5)	1.62	(41.1)
7.83	(199.0)	92	1.34	(34.0)	1.60	(40.6)
7.79	(198.0)	94	1.36	(34.5)	1.58	(40.1)
7.75	(197.0)	96	1.38	(35.0)	1.56	(39.6)
7.71	(196.0)	98	1.40	(35.5)	1.54	(39.1)
7.67	(195.0)	100	1.42	(36.0)	1.52	(38.6)
7.63	(194.0)	102	1.44	(36.5)	1.50	(38.1)
7.59	(193.0)	104	1.46	(37.0)	1.48	(37.6)
7.55	(192.0)	106	1.48	(37.5)	1.46	(37.1)
7.51	(191.0)	108	1.50	(38.0)	1.44	(36.6)
7.47	(189.5)	110	1.52	(38.5)	1.42	(36.1)
7.43	(188.5)	112	1.54	(39.0)	1.40	(35.6)
7.39	(187.5)	114	1.56	(39.5)	1.38	(35.1)
7.35	(186.5)	116	1.58	(40.0)	1.36	(34.5)
7.31	(185.5)	118	1.60	(40.5)	1.34	(34.0)
7.27	(184.5)	120	1.62	(41.0)	1.32	(33.5)

Flange diameter is 10.51" (267 mm)

Undercarriage Code: 165, 383

Track Rollers

Use with 8S Links

Caliper Inches	Caliper (mm)	% Worn	Depth Gauge Inches	Depth Gauge (mm)	Ultrasonic Inches	Ultrasonic (mm)
8.76	(222.5)	0	0.74	(19.0)	2.06	(52.3)
8.72	(221.5)	5	0.76	(19.5)	2.04	(51.8)
8.68	(220.5)	10	0.78	(20.0)	2.02	(51.3)
8.64	(219.5)	15	0.80	(20.5)	2.00	(50.8)
8.60	(218.5)	20	0.82	(21.0)	1.98	(50.3)
8.56	(217.5)	25	0.84	(21.5)	1.96	(49.8)
8.52	(216.5)	30	0.86	(22.0)	1.94	(49.3)
8.48	(215.5)	35	0.88	(22.5)	1.92	(48.8)
8.44	(214.5)	40	0.90	(23.0)	1.90	(48.3)
8.40	(213.5)	45	0.92	(23.5)	1.88	(47.8)
8.36	(212.5)	50	0.94	(24.0)	1.86	(47.2)
8.32	(211.5)	55	0.96	(24.5)	1.84	(46.7)
8.28	(210.5)	60	0.98	(25.0)	1.82	(46.2)
8.24	(209.5)	65	1.00	(25.5)	1.80	(45.7)
8.20	(208.5)	70	1.02	(26.0)	1.78	(45.2)
8.16	(207.5)	75	1.04	(26.5)	1.76	(44.7)
8.12	(206.0)	79	1.06	(27.0)	1.74	(44.2)
8.08	(205.0)	82	1.08	(27.5)	1.72	(43.7)
8.04	(204.0)	85	1.10	(28.0)	1.70	(43.2)
8.00	(203.0)	88	1.12	(28.5)	1.68	(42.7)
7.96	(202.0)	91	1.14	(29.0)	1.66	(42.2)
7.92	(201.0)	94	1.16	(29.5)	1.64	(41.7)
7.88	(200.0)	97	1.18	(30.0)	1.62	(41.1)
7.84	(199.0)	100	1.20	(30.5)	1.60	(40.6)
7.80	(198.0)	103	1.22	(31.0)	1.58	(40.1)
7.76	(197.0)	106	1.24	(31.5)	1.56	(39.6)
7.72	(196.0)	109	1.26	(32.0)	1.54	(39.1)
7.68	(195.0)	112	1.28	(32.5)	1.52	(38.6)
7.64	(194.0)	115	1.30	(33.0)	1.50	(38.1)
7.60	(193.0)	118	1.32	(33.5)	1.48	(37.6)
7.56	(192.0)	121	1.34	(34.0)	1.46	(37.1)

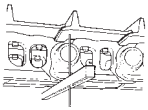
Flange diameter is 10.24" (260 mm)

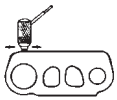
Undercarriage Code: 161, 381

D8, 983 — 9.00" (228.6 mm)

Track Links

7S9181 & 82

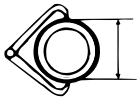


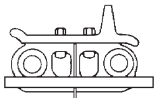


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
5.41	(137.5)	0	1.61	(40.9)
5.39	(137.0)	4	1.59	(40.4)
5.37	(136.5)	8	1.57	(39.9)
5.35	(136.0)	12	1.55	(39.4)
5.33	(135.5)	16	1.53	(38.9)
5.31	(135.0)	20	1.51	(38.4)
5.29	(134.5)	24	1.49	(37.8)
5.27	(134.0)	28	1.47	(37.3)
5.25	(133.5)	32	1.45	(36.8)
5.23	(133.0)	36	1.43	(36.3)
5.21	(132.5)	40	1.41	(35.8)
5.19	(132.0)	44	1.39	(35.3)
5.17	(131.5)	48	1.37	(34.8)
5.15	(131.0)	52	1.35	(34.3)
5.13	(130.5)	56	1.33	(33.8)
5.11	(130.0)	60	1.31	(33.3)
5.09	(129.5)	64	1.29	(32.8)
5.07	(129.0)	68	1.27	(32.3)
5.05	(128.5)	72	1.25	(31.8)
5.03	(128.0)	76	1.23	(31.2)
5.01	(127.5)	80	1.21	(30.7)
4.99	(126.5)	84	1.19	(30.2)
4.97	(126.0)	88	1.17	(29.7)
4.95	(125.5)	91	1.15	(29.2)
4.93	(125.0)	94	1.13	(28.7)
4.91	(124.5)	97	1.11	(28.2)
4.89	(124.0)	100	1.09	(27.7)
4.87	(123.5)	103	1.07	(27.2)
4.85	(123.0)	106	1.05	(26.7)
4.83	(122.5)	109	1.03	(26.2)
4.81	(122.0)	112	1.01	(25.7)
4.79	(121.5)	115	0.99	(25.1)
4.77	(121.0)	118	0.97	(24.6)
4.75	(120.5)	121	0.95	(24.1)

Undercarriage Code: 175, 390

Bushings for Sealed & Lubricated Track



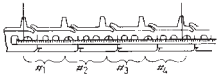


Caliper		Allowable Wear		Ultrasonic		Depth Gauge	
		Lesser	Greater				
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
3.16	(80.3)	0	0	0.56	(14.2)	3.89	(98.8)
3.15	(80.0)	6	5	0.55	(14.0)	3.88	(98.6)
3.14	(79.8)	12	10	0.54	(13.7)	3.87	(98.3)
3.13	(79.5)	18	15	0.53	(13.5)	3.86	(98.0)
3.12	(79.2)	24	20	0.52	(13.2)	3.85	(97.8)
3.11	(79.0)	30	25	0.51	(13.0)	3.84	(97.5)
3.10	(78.7)	36	30	0.50	(12.7)	3.83	(97.3)
3.09	(78.5)	42	35	0.49	(12.4)	3.82	(97.0)
3.08	(78.2)	48	40	0.48	(12.2)	3.81	(96.8)
3.07	(78.0)	54	45	0.47	(11.9)	3.80	(96.5)
3.06	(77.7)	60	50	0.46	(11.7)	3.79	(96.3)
3.05	(77.5)	66	55	0.45	(11.4)	3.78	(96.0)
3.04	(77.2)	72	60	0.44	(11.2)	3.77	(95.8)
3.03	(77.0)	78	65	0.43	(10.9)	3.76	(95.5)
3.02	(76.7)	84	70	0.42	(10.7)	3.75	(95.3)
3.01	(76.5)	88	72	0.41	(10.4)	3.74	(95.0)
3.00	(76.2)	91	74	0.40	(10.2)	3.73	(94.7)
2.99	(75.9)	94	76	0.39	(9.9)	3.72	(94.5)
2.98	(75.7)	97	78	0.38	(9.7)	3.71	(94.2)
2.97	(75.4)	100	80	0.37	(9.4)	3.70	(94.0)
2.96	(75.2)	103	82	0.36	(9.1)	3.69	(93.7)
2.95	(74.9)	106	84	0.35	(8.9)	3.68	(93.5)
2.94	(74.7)	109	86	0.34	(8.6)	3.67	(93.2)
2.93	(74.4)	112	88	0.33	(8.4)	3.66	(93.0)
2.92	(74.2)	115	90	0.32	(8.1)	3.65	(92.7)
2.91	(73.9)	118	92	0.31	(7.9)	3.64	(92.5)
2.90	(73.7)	121	94	0.30	(7.6)	3.63	(92.2)
2.89	(73.4)		96	0.29	(7.4)	3.62	(91.9)
2.88	(73.2)		98	0.28	(7.1)	3.61	(91.7)
2.87	(72.9)		100	0.27	(6.9)	3.60	(91.4)
2.86	(72.6)		102	0.26	(6.6)	3.59	(91.2)
2.85	(72.4)		104	0.25	(6.3)	3.58	(90.9)
2.84	(72.1)		106	0.24	(6.1)	3.57	(90.7)
2.83	(71.9)		108	0.23	(5.8)	3.56	(90.4)
2.82	(71.6)		110	0.22	(5.6)	3.55	(90.2)
2.81	(71.4)		112	0.21	(5.3)	3.54	(89.9)
2.80	(71.1)		114	0.20	(5.1)	3.53	(89.7)
2.79	(70.9)		116	0.19	(4.8)	3.52	(89.4)
2.78	(70.6)		118	0.18	(4.6)	3.51	(89.2)
2.77	(70.4)		120	0.17	(4.3)	3.50	(88.9)

Undercarriage Code: 175, 390

Pins and Bushings for Sealed Track

Internal Wear



Inches	(mm)	% Worn
36.05	(915.5)	0
36.10	(917.0)	10
36.15	(918.0)	20
36.20	(919.5)	30
36.25	(920.5)	40
36.30	(922.0)	50
36.35	(923.5)	60
36.40	(924.5)	70
36.45	(926.0)	80
36.50	(927.0)	90
36.55	(928.5)	100
36.60	(929.5)	105
36.65	(931.0)	110
36.70	(932.0)	115
36.75	(933.5)	120

Undercarriage Code: 175, 390

Track Bushings for Sealed Track

External Wear



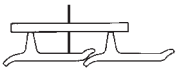


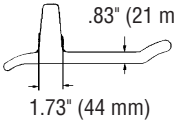
Caliper Inches	(mm)	Allowable Wear Lesser % Worn	Greater % Worn	Ultrasonic Inches	(mm)
3.04	(77.2)	0	0	0.49	(12.4)
3.03	(77.0)	10	7	0.48	(12.2)
3.02	(76.7)	20	14	0.47	(11.9)
3.01	(76.5)	30	21	0.46	(11.7)
3.00	(76.2)	40	28	0.45	(11.4)
2.99	(75.9)	50	35	0.44	(11.2)
2.98	(75.7)	60	42	0.43	(10.9)
2.97	(75.4)	70	49	0.42	(10.7)
2.96	(75.2)	80	56	0.41	(10.4)
2.95	(74.9)	90	63	0.40	(10.2)
2.94	(74.7)	95	70	0.39	(9.9)
2.93	(74.4)	100	77	0.38	(9.7)
2.92	(74.2)	105	82	0.37	(9.4)
2.91	(73.9)	110	85	0.36	(9.1)
2.90	(73.7)	115	88	0.35	(8.9)
2.89	(73.4)	120	91	0.34	(8.6)
2.88	(73.2)		94	0.33	(8.4)
2.87	(72.9)		97	0.32	(8.1)
2.86	(72.6)		100	0.31	(7.9)
2.85	(72.4)		103	0.30	(7.6)
2.84	(72.1)		106	0.29	(7.4)
2.83	(71.9)		109	0.28	(7.1)
2.82	(71.6)		112	0.27	(6.9)
2.81	(71.4)		115	0.26	(6.6)
2.80	(71.1)		118	0.25	(6.3)
2.79	(70.9)		121	0.24	(6.1)

Undercarriage Code: 175, 390

Track Shoes

Super Extreme Service





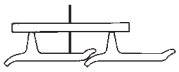


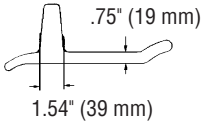
Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
3.70	(94.0)	0	0	4.50	(114.3)
3.60	(91.5)	5	4	4.40	(111.8)
3.50	(89.0)	10	8	4.30	(109.2)
3.40	(86.5)	15	12	4.20	(106.7)
3.30	(84.0)	20	16	4.10	(104.1)
3.20	(81.5)	25	20	4.00	(101.6)
3.10	(78.5)	30	24	3.90	(99.1)
3.00	(76.0)	35	28	3.80	(96.5)
2.90	(73.5)	40	32	3.70	(94.0)
2.80	(71.0)	45	36	3.60	(91.4)
2.70	(68.5)	50	40	3.50	(88.9)
2.60	(66.0)	55	44	3.40	(86.4)
2.50	(63.5)	60	48	3.30	(83.8)
2.40	(61.0)	64	52	3.20	(81.3)
2.30	(58.5)	68	56	3.10	(78.7)
2.20	(56.0)	72	60	3.00	(76.2)
2.10	(53.5)	76	64	2.90	(73.7)
2.00	(51.0)	80	68	2.80	(71.1)
1.90	(48.5)	84	72	2.70	(68.6)
1.80	(45.5)	88	76	2.60	(66.0)
1.70	(43.0)	92	79	2.50	(63.5)
1.60	(40.5)	96	82	2.40	(61.0)
1.50	(38.0)	100	85	2.30	(58.4)
1.40	(35.5)	104	88	2.20	(55.9)
1.30	(33.0)	108	91	2.10	(53.3)
1.20	(30.5)	112	94	2.00	(50.8)
1.10	(28.0)	116	97	1.90	(48.3)
1.00	(25.5)	120	100	1.80	(45.7)
0.90	(23.0)		103	1.70	(43.2)
0.80	(20.5)		106	1.60	(40.6)
0.70	(18.0)		109	1.50	(38.1)
0.60	(15.0)		112	1.40	(35.6)
0.50	(12.5)		115	1.30	(33.0)
0.40	(10.0)		118	1.20	(30.5)
0.30	(7.5)		121	1.10	(27.9)

Undercarriage Code: 175, 390

Track Shoes

Extreme Service







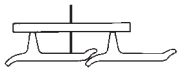
Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
3.10	(78.5)	0	0	3.85	(97.8)
3.00	(76.0)	7	5	3.75	(95.3)
2.90	(73.5)	14	10	3.65	(92.7)
2.80	(71.0)	21	15	3.55	(90.2)
2.70	(68.5)	28	20	3.45	(87.6)
2.60	(66.0)	34	25	3.35	(85.1)
2.50	(63.5)	40	30	3.25	(82.6)
2.40	(61.0)	46	35	3.15	(80.0)
2.30	(58.5)	52	40	3.05	(77.5)
2.20	(56.0)	58	45	2.95	(74.9)
2.10	(53.5)	64	50	2.85	(72.4)
2.00	(51.0)	70	55	2.75	(69.9)
1.90	(48.5)	76	60	2.65	(67.3)
1.80	(45.5)	82	65	2.55	(64.8)
1.70	(43.0)	88	70	2.45	(62.2)
1.60	(40.5)	94	75	2.35	(59.7)
1.50	(38.0)	100	80	2.25	(57.2)
1.40	(35.5)	106	84	2.15	(54.6)
1.30	(33.0)	112	88	2.05	(52.1)
1.20	(30.5)	118	92	1.95	(49.5)
1.10	(28.0)	124	96	1.85	(47.0)
1.00	(25.5)		100	1.75	(44.5)
0.90	(23.0)		104	1.65	(41.9)
0.80	(20.5)		108	1.55	(39.4)
0.70	(18.0)		112	1.45	(36.8)
0.60	(15.0)		116	1.35	(34.3)
0.50	(12.5)		120	1.25	(31.7)

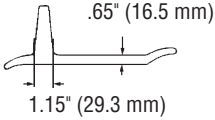
Undercarriage Code: 175, 390

D8, 983 — 9.00" (228.6 mm)

Track Shoes

Moderate Service





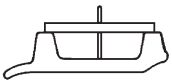


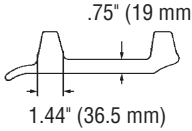
Depth Gauge Inches	(mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	(mm)
3.00	(76.0)	0	0	3.65	(92.7)
2.90	(73.5)	7	5	3.55	(90.2)
2.80	(71.0)	14	10	3.45	(87.6)
2.70	(68.5)	21	15	3.35	(85.1)
2.60	(66.0)	28	20	3.25	(82.6)
2.50	(63.5)	35	25	3.15	(80.0)
2.40	(61.0)	42	30	3.05	(77.5)
2.30	(58.5)	49	35	2.95	(74.9)
2.20	(56.0)	56	40	2.85	(72.4)
2.10	(53.5)	63	45	2.75	(69.9)
2.00	(51.0)	70	50	2.65	(67.3)
1.90	(48.5)	76	55	2.55	(64.8)
1.80	(45.5)	82	60	2.45	(62.2)
1.70	(43.0)	88	65	2.35	(59.7)
1.60	(40.5)	94	70	2.25	(57.2)
1.50	(38.0)	100	75	2.15	(54.6)
1.40	(35.5)	106	80	2.05	(52.1)
1.30	(33.0)	112	85	1.95	(49.5)
1.20	(30.5)	118	90	1.85	(47.0)
1.10	(28.0)	124	95	1.75	(44.5)
1.00	(25.5)		100	1.65	(41.9)
0.90	(23.0)		104	1.55	(39.4)
0.80	(20.5)		108	1.45	(36.8)
0.70	(18.0)		112	1.35	(34.3)
0.60	(15.0)		116	1.25	(31.7)
0.50	(12.5)		120	1.15	(29.2)

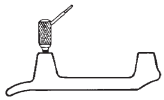
Undercarriage Code: 175, 390

Track Shoes

Double Grouser



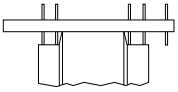




Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
1.75	(44.5)	0	0	2.50	(63.5)
1.70	(43.0)	5	4	2.45	(62.2)
1.65	(42.0)	10	8	2.40	(61.0)
1.60	(40.5)	15	12	2.35	(59.7)
1.55	(39.5)	20	16	2.30	(58.4)
1.50	(38.0)	25	20	2.25	(57.2)
1.45	(37.0)	30	24	2.20	(55.9)
1.40	(35.5)	35	28	2.15	(54.6)
1.35	(34.5)	40	32	2.10	(53.3)
1.30	(33.0)	45	36	2.05	(52.1)
1.25	(32.0)	50	40	2.00	(50.8)
1.20	(30.5)	55	44	1.95	(49.5)
1.15	(29.0)	60	48	1.90	(48.3)
1.10	(28.0)	65	52	1.85	(47.0)
1.05	(26.5)	70	56	1.80	(45.7)
1.00	(25.5)	75	60	1.75	(44.5)
0.95	(24.0)	80	64	1.70	(43.2)
0.90	(23.0)	85	68	1.65	(41.9)
0.85	(21.5)	90	72	1.60	(40.6)
0.80	(20.5)	95	76	1.55	(39.4)
0.75	(19.0)	100	80	1.50	(38.1)
0.70	(18.0)	105	84	1.45	(36.8)
0.65	(16.5)	110	88	1.40	(35.6)
0.60	(15.0)	115	92	1.35	(34.3)
0.55	(14.0)	120	96	1.30	(33.0)
0.50	(12.5)		100	1.25	(31.8)
0.45	(11.5)		104	1.20	(30.5)
0.40	(10.0)		108	1.15	(29.2)
0.35	(9.0)		112	1.10	(27.9)
0.30	(7.5)		116	1.05	(26.7)
0.25	(6.5)		120	1.00	(25.4)

Undercarriage Code: 175, 390

Idlers





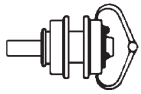
Depth Gauge Inches	(mm)	% Worn
0.94	(24.0)	0
0.96	(24.5)	9
0.98	(25.0)	18
1.00	(25.5)	27
1.02	(26.0)	36
1.04	(26.5)	45
1.06	(27.0)	54
1.08	(27.5)	63
1.10	(28.0)	72
1.12	(28.5)	80
1.14	(29.0)	82
1.16	(29.5)	84
1.18	(30.0)	86
1.20	(30.5)	88
1.22	(31.0)	90
1.24	(31.5)	92
1.26	(32.0)	94
1.28	(32.5)	96
1.30	(33.0)	98
1.32	(33.5)	100
1.34	(34.0)	102
1.36	(34.5)	104
1.38	(35.0)	106
1.40	(35.5)	108
1.42	(36.0)	110
1.44	(36.5)	112
1.46	(37.0)	114
1.48	(37.5)	116
1.50	(38.0)	118
1.52	(38.5)	120

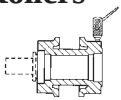
Flange width: 4.75" (120.7 mm)

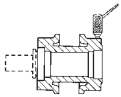
Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.48	(12.2)	0.00	(0.0)
0.46	(11.7)	0.02	(0.5)
0.44	(11.2)	0.04	(1.0)
0.42	(10.7)	0.06	(1.5)
0.40	(10.2)	0.08	(2.0)
0.38	(9.7)	0.10	(2.5)
0.36	(9.1)	0.12	(3.0)
0.34	(8.6)	0.14	(3.5)
0.32	(8.1)	0.16	(4.0)
0.30	(7.6)	0.18	(4.5)
0.28	(7.1)	0.20	(5.0)
0.26	(6.6)	0.22	(5.5)
0.24	(6.1)	0.24	(6.0)
0.22	(5.6)	0.26	(6.5)
0.20	(5.1)	0.28	(7.0)
0.18	(4.6)	0.30	(7.5)
0.16	(4.1)	0.32	(8.0)
0.14	(3.6)	0.34	(8.5)
0.12	(3.0)	0.36	(9.0)
0.10	(2.5)	0.38	(9.5)
0.08	(2.0)	0.40	(10.0)
0.06	(1.5)	0.42	(10.5)
0.04	(1.0)	0.44	(11.0)
0.02	(0.5)	0.46	(11.5)

NOTE: Ultrasonic measurement is to determine flange wear only.

Carrier Rollers







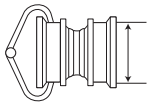
Caliper Inches	(mm)	% Worn	Ultrasonic Three end cap bolts Inches	(mm)	Ultrasonic Four end cap bolts Inches	(mm)
7.50	(190.5)	0	1.92	(48.8)	1.44	(36.5)
7.46	(189.5)	5	1.90	(48.3)	1.42	(35.9)
7.42	(188.5)	10	1.88	(47.8)	1.40	(35.4)
7.38	(187.5)	15	1.86	(47.2)	1.38	(34.9)
7.34	(186.5)	20	1.84	(46.7)	1.36	(34.4)
7.30	(185.5)	25	1.82	(46.2)	1.34	(33.9)
7.26	(184.5)	30	1.80	(45.7)	1.32	(33.4)
7.22	(183.5)	35	1.78	(45.2)	1.30	(32.9)
7.18	(182.5)	40	1.76	(44.7)	1.28	(32.4)
7.14	(181.5)	45	1.74	(44.2)	1.26	(31.9)
7.10	(180.5)	50	1.72	(43.7)	1.24	(31.4)
7.06	(179.5)	55	1.70	(43.2)	1.22	(30.9)
7.02	(178.5)	60	1.68	(42.7)	1.20	(30.4)
6.98	(177.5)	65	1.66	(42.2)	1.18	(29.8)
6.94	(176.5)	70	1.64	(41.7)	1.16	(29.3)
6.90	(175.5)	75	1.62	(41.1)	1.14	(28.8)
6.86	(174.0)	80	1.60	(40.6)	1.12	(28.3)
6.82	(173.0)	85	1.58	(40.1)	1.10	(27.8)
6.78	(172.0)	90	1.56	(39.6)	1.08	(27.3)
6.74	(171.0)	95	1.54	(39.1)	1.06	(26.8)
6.70	(170.0)	100	1.52	(38.6)	1.04	(26.3)
6.66	(169.0)	103	1.50	(38.1)	1.02	(25.8)
6.62	(168.0)	106	1.48	(37.6)	1.00	(25.3)
6.58	(167.0)	109	1.46	(37.1)	0.98	(24.8)
6.54	(166.0)	112	1.44	(36.6)	0.96	(24.3)
6.50	(165.0)	115	1.42	(36.1)	0.94	(23.8)
6.46	(164.0)	118	1.40	(35.6)	0.92	(23.2)
6.42	(163.0)	121	1.38	(35.1)	0.90	(22.7)

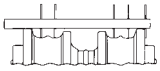
Undercarriage Code: 175, 390

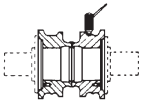
D8, 983 — 9.00" (228.6 mm)

Track Rollers

Do not use for 983





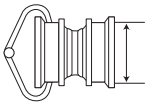


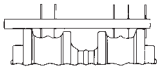
Caliper Inches	Caliper (mm)	% Worn	Depth Gauge Inches	Depth Gauge (mm)	Ultrasonic Inches	Ultrasonic (mm)
10.02	(254.5)	0	0.86	(22.0)	2.38	(60.5)
9.98	(253.5)	5	0.88	(22.5)	2.36	(59.9)
9.94	(252.5)	10	0.90	(23.0)	2.34	(59.4)
9.90	(251.5)	15	0.92	(23.5)	2.32	(58.9)
9.86	(250.5)	20	0.94	(24.0)	2.30	(58.4)
9.82	(249.5)	25	0.96	(24.5)	2.28	(57.9)
9.78	(248.5)	30	0.98	(25.0)	2.26	(57.4)
9.74	(247.5)	35	1.00	(25.5)	2.24	(56.9)
9.70	(246.5)	40	1.02	(26.0)	2.22	(56.4)
9.66	(245.5)	45	1.04	(26.5)	2.20	(55.9)
9.62	(244.5)	50	1.06	(27.0)	2.18	(55.4)
9.58	(243.5)	55	1.08	(27.5)	2.16	(54.9)
9.54	(242.5)	58	1.10	(28.0)	2.14	(54.4)
9.50	(241.5)	61	1.12	(28.5)	2.12	(53.8)
9.46	(240.5)	64	1.14	(29.0)	2.10	(53.3)
9.42	(239.5)	67	1.16	(29.5)	2.08	(52.8)
9.38	(238.5)	70	1.18	(30.0)	2.06	(52.3)
9.34	(237.0)	73	1.20	(30.5)	2.04	(51.8)
9.30	(236.0)	76	1.22	(31.0)	2.02	(51.3)
9.26	(235.0)	79	1.24	(31.5)	2.00	(50.8)
9.22	(234.0)	82	1.26	(32.0)	1.98	(50.3)
9.18	(233.0)	85	1.28	(32.5)	1.96	(49.8)
9.14	(232.0)	88	1.30	(33.0)	1.94	(49.3)
9.10	(231.0)	91	1.32	(33.5)	1.92	(48.8)
9.06	(230.0)	94	1.34	(34.0)	1.90	(48.3)
9.02	(229.0)	97	1.36	(34.5)	1.88	(47.8)
8.98	(228.0)	100	1.38	(35.0)	1.86	(47.2)
8.94	(227.0)	103	1.40	(35.5)	1.84	(46.7)
8.90	(226.0)	106	1.42	(36.0)	1.82	(46.2)
8.86	(225.0)	109	1.44	(36.5)	1.80	(45.7)
8.82	(224.0)	112	1.46	(37.0)	1.78	(45.2)
8.78	(223.0)	115	1.48	(37.5)	1.76	(44.7)
8.74	(222.0)	118	1.50	(38.0)	1.74	(44.2)
8.70	(221.0)	121	1.52	(38.5)	1.72	(43.7)

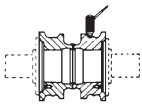
Flange diameter is 11.75" (298.5 mm)

Track Rollers

Use for 983







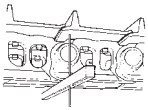
Caliper Inches	Caliper (mm)	% Worn	Depth Gauge Inches	Depth Gauge (mm)	Ultrasonic Inches	Ultrasonic (mm)
9.56	(243.0)	0	0.87	(22.0)	2.40	(61.0)
9.52	(242.0)	5	0.89	(22.5)	2.38	(60.5)
9.48	(241.0)	10	0.91	(23.0)	2.36	(59.9)
9.44	(240.0)	15	0.93	(23.5)	2.34	(59.4)
9.40	(239.0)	20	0.95	(24.0)	2.32	(58.9)
9.36	(237.5)	25	0.97	(24.5)	2.30	(58.4)
9.32	(236.5)	30	0.99	(25.0)	2.28	(57.9)
9.28	(235.5)	35	1.01	(25.5)	2.26	(57.4)
9.24	(234.5)	40	1.03	(26.0)	2.24	(56.9)
9.20	(233.5)	45	1.05	(26.5)	2.22	(56.4)
9.16	(232.5)	50	1.07	(27.0)	2.20	(55.9)
9.12	(231.5)	55	1.09	(27.5)	2.18	(55.4)
9.08	(230.5)	60	1.11	(28.0)	2.16	(54.9)
9.04	(229.5)	64	1.13	(28.5)	2.14	(54.4)
9.00	(228.5)	67	1.15	(29.0)	2.12	(53.8)
8.96	(227.5)	70	1.17	(29.5)	2.10	(53.3)
8.92	(226.5)	73	1.19	(30.0)	2.08	(52.8)
8.88	(225.5)	76	1.21	(30.5)	2.06	(52.3)
8.84	(224.5)	79	1.23	(31.0)	2.04	(51.8)
8.80	(223.5)	82	1.25	(32.0)	2.02	(51.3)
8.76	(222.5)	85	1.27	(32.5)	2.00	(50.8)
8.72	(221.5)	88	1.29	(33.0)	1.98	(50.3)
8.68	(220.5)	91	1.31	(33.5)	1.96	(49.8)
8.64	(219.5)	94	1.33	(34.0)	1.94	(49.3)
8.60	(218.5)	97	1.35	(34.5)	1.92	(48.8)
8.56	(217.5)	100	1.37	(35.0)	1.90	(48.3)
8.52	(216.5)	103	1.39	(35.5)	1.88	(47.8)
8.48	(215.5)	106	1.41	(36.0)	1.86	(47.2)
8.44	(214.5)	109	1.43	(36.5)	1.84	(46.7)
8.40	(213.5)	112	1.45	(37.0)	1.82	(46.2)
8.36	(212.5)	115	1.47	(37.5)	1.80	(45.7)
8.32	(211.5)	118	1.49	(38.0)	1.78	(45.2)
8.28	(210.5)	121	1.51	(38.5)	1.76	(44.7)

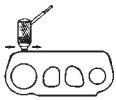
Flange diameter is 11.31" (287.3 mm)

D9, 594 — 10.25" (260.4 mm)

Track Links

8E4055 & 56

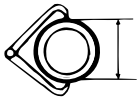


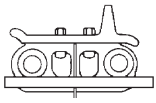


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
6.12	(155.5)	0	1.56	(39.6)
6.10	(155.0)	4	1.54	(39.1)
6.08	(154.5)	8	1.52	(38.6)
6.06	(154.0)	12	1.50	(38.1)
6.04	(153.5)	16	1.48	(37.6)
6.02	(153.0)	20	1.46	(37.1)
6.00	(152.5)	24	1.44	(36.6)
5.98	(152.0)	28	1.42	(36.1)
5.96	(151.5)	32	1.40	(35.6)
5.94	(151.0)	36	1.38	(35.1)
5.92	(150.5)	40	1.36	(34.5)
5.90	(150.0)	44	1.34	(34.0)
5.88	(149.5)	48	1.32	(33.5)
5.86	(149.0)	52	1.30	(33.0)
5.84	(148.5)	56	1.28	(32.5)
5.82	(148.0)	60	1.26	(32.0)
5.80	(147.5)	64	1.24	(31.5)
5.78	(147.0)	68	1.22	(31.0)
5.76	(146.5)	72	1.20	(30.5)
5.74	(146.0)	76	1.18	(30.0)
5.72	(145.5)	80	1.16	(29.5)
5.70	(145.0)	84	1.14	(29.0)
5.68	(144.5)	88	1.12	(28.4)
5.66	(144.0)	92	1.10	(27.9)
5.64	(143.5)	96	1.08	(27.4)
5.62	(142.5)	100	1.06	(26.9)
5.60	(142.0)	103	1.04	(26.4)
5.58	(141.5)	106	1.02	(25.9)
5.56	(141.0)	109	1.00	(25.4)
5.54	(140.5)	112	0.98	(24.9)
5.52	(140.0)	115	0.96	(24.4)
5.50	(139.5)	118	0.94	(23.9)
5.48	(139.0)	121	0.92	(23.4)

Undercarriage Code: 191

Bushings for Sealed & Lubricated Track



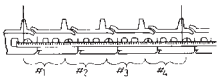


Caliper		Allowable Wear		Ultrasonic		Depth Gauge	
		Lesser	Greater				
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
3.49	(88.6)	0	0	0.60	(15.2)	4.62	(117.5)
3.48	(88.4)	6	5	0.59	(15.0)	4.61	(117.2)
3.47	(88.1)	12	10	0.58	(14.7)	4.60	(116.9)
3.46	(87.9)	18	15	0.57	(14.5)	4.59	(116.7)
3.45	(87.6)	24	20	0.56	(14.2)	4.58	(116.4)
3.44	(87.4)	30	25	0.55	(14.0)	4.57	(116.2)
3.43	(87.1)	36	30	0.54	(13.7)	4.56	(115.9)
3.42	(86.9)	42	35	0.53	(13.5)	4.55	(115.7)
3.41	(86.6)	48	40	0.52	(13.2)	4.54	(115.4)
3.40	(86.4)	54	45	0.51	(13.0)	4.53	(115.2)
3.39	(86.1)	60	50	0.50	(12.7)	4.52	(114.9)
3.38	(85.9)	66	55	0.49	(12.4)	4.51	(114.7)
3.37	(85.6)	72	60	0.48	(12.2)	4.50	(114.4)
3.36	(85.3)	78	65	0.47	(11.9)	4.49	(114.1)
3.35	(85.1)	84	70	0.46	(11.7)	4.48	(113.9)
3.34	(84.8)	88	72	0.45	(11.4)	4.47	(113.6)
3.33	(84.6)	91	74	0.44	(11.2)	4.46	(113.4)
3.32	(84.3)	94	76	0.43	(10.9)	4.45	(113.1)
3.31	(84.1)	97	78	0.42	(10.7)	4.44	(112.9)
3.30	(83.8)	100	80	0.41	(10.4)	4.43	(112.6)
3.29	(83.6)	103	82	0.40	(10.2)	4.42	(112.4)
3.28	(83.3)	106	84	0.39	(9.9)	4.41	(112.1)
3.27	(83.1)	109	86	0.38	(9.7)	4.40	(111.9)
3.26	(82.8)	112	88	0.37	(9.4)	4.39	(111.6)
3.25	(82.6)	115	90	0.36	(9.1)	4.38	(111.4)
3.24	(82.3)	118	92	0.35	(8.9)	4.37	(111.1)
3.23	(82.0)	121	94	0.34	(8.6)	4.36	(110.8)
3.22	(81.8)		96	0.33	(8.4)	4.35	(110.6)
3.21	(81.5)		98	0.32	(8.1)	4.34	(110.3)
3.20	(81.3)		100	0.31	(7.9)	4.33	(110.1)
3.19	(81.0)		102	0.30	(7.6)	4.32	(109.8)
3.18	(80.8)		104	0.29	(7.4)	4.31	(109.6)
3.17	(80.5)		106	0.28	(7.1)	4.30	(109.3)
3.16	(80.3)		108	0.27	(6.9)	4.29	(109.1)
3.15	(80.0)		110	0.26	(6.6)	4.28	(108.8)
3.14	(79.8)		112	0.25	(6.3)	4.27	(108.6)
3.13	(79.5)		114	0.24	(6.1)	4.26	(108.3)
3.12	(79.2)		116	0.23	(5.8)	4.25	(108.1)
3.11	(79.0)		118	0.22	(5.6)	4.24	(107.8)
3.10	(78.7)		120	0.21	(5.3)	4.23	(107.5)

Undercarriage Code: 191

Pins and Bushings for Sealed Track

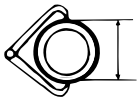
Internal Wear



Inches	(mm)	% Worn
41.05	(1042.5)	0
41.10	(1044.0)	10
41.15	(1045.0)	20
41.20	(1046.5)	30
41.25	(1048.0)	40
41.30	(1049.0)	50
41.35	(1050.5)	60
41.40	(1051.5)	70
41.45	(1053.0)	80
41.50	(1054.0)	90
41.55	(1055.5)	100
41.60	(1056.5)	105
41.65	(1058.0)	110
41.70	(1059.0)	115
41.75	(1060.5)	120

Track Bushings for Sealed Track

External Wear



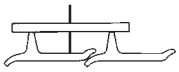


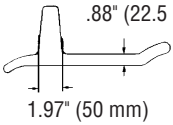
Caliper Inches	Caliper (mm)	Allowable Wear Lesser % Worn	Allowable Wear Greater % Worn	Ultrasonic Inches	Ultrasonic (mm)
3.39	(86.2)	0	0	0.55	(14.0)
3.38	(86.0)	9	7	0.54	(13.7)
3.37	(85.7)	18	14	0.53	(13.5)
3.36	(85.5)	27	21	0.52	(13.2)
3.35	(85.2)	36	28	0.51	(13.0)
3.34	(85.0)	45	35	0.50	(12.7)
3.33	(84.7)	54	42	0.49	(12.4)
3.32	(84.4)	63	49	0.48	(12.2)
3.31	(84.2)	72	56	0.47	(11.9)
3.30	(83.9)	81	63	0.46	(11.7)
3.29	(83.7)	88	70	0.45	(11.4)
3.28	(83.4)	92	73	0.44	(11.2)
3.27	(83.2)	96	76	0.43	(10.9)
3.26	(82.9)	100	79	0.42	(10.7)
3.25	(82.7)	104	82	0.41	(10.4)
3.24	(82.4)	108	85	0.40	(10.2)
3.23	(82.2)	112	88	0.39	(9.9)
3.22	(81.9)	116	91	0.38	(9.7)
3.21	(81.6)	120	94	0.37	(9.4)
3.20	(81.4)		97	0.36	(9.1)
3.19	(81.1)		100	0.35	(8.9)
3.18	(80.9)		103	0.34	(8.6)
3.17	(80.6)		106	0.33	(8.4)
3.16	(80.4)		109	0.32	(8.1)
3.15	(80.1)		112	0.31	(7.9)
3.14	(79.9)		115	0.30	(7.6)
3.13	(79.6)		118	0.29	(7.4)
3.12	(79.4)		121	0.28	(7.1)

D9, 594 — 10.25" (260.4 mm)

Track Shoes

Super Extreme Service





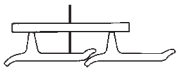


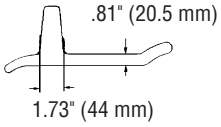
Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
4.00	(101.5)	0	0	4.85	(123.2)
3.90	(99.0)	4	4	4.75	(120.7)
3.80	(96.5)	8	8	4.65	(118.1)
3.70	(94.0)	12	12	4.55	(115.6)
3.60	(91.5)	16	16	4.45	(113.0)
3.50	(89.0)	20	20	4.35	(110.5)
3.40	(86.5)	24	24	4.25	(108.0)
3.30	(84.0)	28	28	4.15	(105.4)
3.20	(81.5)	32	32	4.05	(102.9)
3.10	(78.5)	36	36	3.95	(100.3)
3.00	(76.0)	40	40	3.85	(97.8)
2.90	(73.5)	44	43	3.75	(95.3)
2.80	(71.0)	48	46	3.65	(92.7)
2.70	(68.5)	52	49	3.55	(90.2)
2.60	(66.0)	56	52	3.45	(87.6)
2.50	(63.5)	60	55	3.35	(85.1)
2.40	(61.0)	64	58	3.25	(82.6)
2.30	(58.5)	68	61	3.15	(80.0)
2.20	(56.0)	72	64	3.05	(77.5)
2.10	(53.5)	76	67	2.95	(74.9)
2.00	(51.0)	80	70	2.85	(72.4)
1.90	(48.5)	84	73	2.75	(69.9)
1.80	(45.5)	88	76	2.65	(67.3)
1.70	(43.0)	92	79	2.55	(64.8)
1.60	(40.5)	96	82	2.45	(62.2)
1.50	(38.0)	100	85	2.35	(59.7)
1.40	(35.5)	104	88	2.25	(57.2)
1.30	(33.0)	108	91	2.15	(54.6)
1.20	(30.5)	112	94	2.05	(52.1)
1.10	(28.0)	116	97	1.95	(49.5)
1.00	(25.5)	120	100	1.85	(47.0)
0.90	(23.0)		103	1.75	(44.5)
0.80	(20.5)		106	1.65	(41.9)
0.70	(18.0)		109	1.55	(39.4)
0.60	(15.0)		112	1.45	(36.8)
0.50	(12.5)		115	1.35	(34.3)
0.40	(10.0)		118	1.25	(31.8)
0.30	(7.5)		121	1.15	(29.2)

Undercarriage Code: 191

Track Shoes

Extreme Service





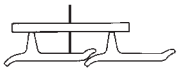


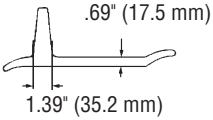
Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
3.70	(94.0)	0	0	4.50	(114.3)
3.60	(91.5)	5	4	4.40	(111.8)
3.50	(89.0)	10	8	4.30	(109.2)
3.40	(86.5)	15	12	4.20	(106.7)
3.30	(84.0)	20	16	4.10	(104.1)
3.20	(81.5)	25	20	4.00	(101.6)
3.10	(78.5)	30	24	3.90	(99.1)
3.00	(76.0)	35	28	3.80	(96.5)
2.90	(73.5)	40	32	3.70	(94.0)
2.80	(71.0)	45	36	3.60	(91.4)
2.70	(68.5)	50	40	3.50	(88.9)
2.60	(66.0)	55	44	3.40	(86.4)
2.50	(63.5)	60	48	3.30	(83.8)
2.40	(61.0)	64	52	3.20	(81.3)
2.30	(58.5)	68	56	3.10	(78.7)
2.20	(56.0)	72	60	3.00	(76.2)
2.10	(53.5)	76	64	2.90	(73.7)
2.00	(51.0)	80	68	2.80	(71.1)
1.90	(48.5)	84	72	2.70	(68.6)
1.80	(45.5)	88	76	2.60	(66.0)
1.70	(43.0)	92	79	2.50	(63.5)
1.60	(40.5)	96	82	2.40	(61.0)
1.50	(38.0)	100	85	2.30	(58.4)
1.40	(35.5)	104	88	2.20	(55.9)
1.30	(33.0)	108	91	2.10	(53.3)
1.20	(30.5)	112	94	2.00	(50.8)
1.10	(28.0)	116	97	1.90	(48.3)
1.00	(25.5)	120	100	1.80	(45.7)
0.90	(23.0)		103	1.70	(43.2)
0.80	(20.5)		106	1.60	(40.6)
0.70	(18.0)		109	1.50	(38.1)
0.60	(15.0)		112	1.40	(35.6)
0.50	(12.5)		115	1.30	(33.0)
0.40	(10.0)		118	1.20	(30.5)
0.30	(7.5)		121	1.10	(27.9)

Undercarriage Code: 191

Track Shoes

Moderate Service



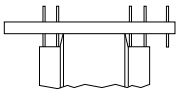




Depth Gauge Inches	(mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	(mm)
3.40	(86.5)	0	0	4.10	(104.1)
3.30	(84.0)	6	5	4.00	(101.6)
3.20	(81.5)	12	10	3.90	(99.1)
3.10	(78.5)	18	15	3.80	(96.5)
3.00	(76.0)	24	20	3.70	(94.0)
2.90	(73.5)	30	24	3.60	(91.4)
2.80	(71.0)	35	28	3.50	(88.9)
2.70	(68.5)	40	32	3.40	(86.4)
2.60	(66.0)	45	36	3.30	(83.8)
2.50	(63.5)	50	40	3.20	(81.3)
2.40	(61.0)	55	44	3.10	(78.7)
2.30	(58.5)	60	48	3.00	(76.2)
2.20	(56.0)	65	52	2.90	(73.7)
2.10	(53.5)	70	56	2.80	(71.1)
2.00	(51.0)	75	60	2.70	(68.6)
1.90	(48.5)	80	64	2.60	(66.0)
1.80	(45.5)	85	68	2.50	(63.5)
1.70	(43.0)	90	72	2.40	(61.0)
1.60	(40.5)	95	76	2.30	(58.4)
1.50	(38.0)	100	80	2.20	(55.9)
1.40	(35.5)	105	84	2.10	(53.3)
1.30	(33.0)	110	88	2.00	(50.8)
1.20	(30.5)	115	92	1.90	(48.3)
1.10	(28.0)	120	96	1.80	(45.7)
1.00	(25.5)		100	1.70	(43.2)
0.90	(23.0)		104	1.60	(40.6)
0.80	(20.5)		108	1.50	(38.1)
0.70	(18.0)		112	1.40	(35.6)
0.60	(15.0)		116	1.30	(33.0)
0.50	(12.5)		120	1.20	(30.5)

Undercarriage Code: 191

Idlers





Depth Gauge Inches	(mm)	% Worn
0.88	(22.5)	0
0.90	(23.0)	9
0.92	(23.5)	18
0.94	(24.0)	27
0.96	(24.5)	36
0.98	(25.0)	45
1.00	(25.5)	54
1.02	(26.0)	63
1.04	(26.5)	72
1.06	(27.0)	80
1.08	(27.5)	82
1.10	(28.0)	84
1.12	(28.5)	86
1.14	(29.0)	88
1.16	(29.5)	90
1.18	(30.0)	92
1.20	(30.5)	94
1.22	(31.0)	96
1.24	(31.5)	98
1.26	(32.0)	100
1.28	(32.5)	102
1.30	(33.0)	104
1.32	(33.5)	106
1.34	(34.0)	108
1.36	(34.5)	110
1.38	(35.0)	112
1.40	(35.5)	114
1.42	(36.0)	116
1.44	(36.5)	118
1.46	(37.0)	120

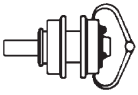
Flange width: 5.09" (129.5 mm)

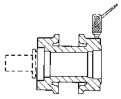
Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.48	(12.2)	0.00	(0.0)
0.46	(11.7)	0.02	(0.5)
0.44	(11.2)	0.04	(1.0)
0.42	(10.7)	0.06	(1.5)
0.40	(10.2)	0.08	(2.0)
0.38	(9.7)	0.10	(2.5)
0.36	(9.1)	0.12	(3.0)
0.34	(8.6)	0.14	(3.5)
0.32	(8.1)	0.16	(4.0)
0.30	(7.6)	0.18	(4.5)
0.28	(7.1)	0.20	(5.0)
0.26	(6.6)	0.22	(5.5)
0.24	(6.1)	0.24	(6.0)
0.22	(5.6)	0.26	(6.5)
0.20	(5.1)	0.28	(7.0)
0.18	(4.6)	0.30	(7.5)
0.16	(4.1)	0.32	(8.0)
0.14	(3.6)	0.34	(8.5)
0.12	(3.0)	0.36	(9.0)
0.10	(2.5)	0.38	(9.5)
0.08	(2.0)	0.40	(10.0)
0.06	(1.5)	0.42	(10.5)
0.04	(1.0)	0.44	(11.0)
0.02	(0.5)	0.46	(11.5)

NOTE: Ultrasonic measurement is to determine flange wear only.

D9, 594 — 10.25" (260.4 mm)

Carrier Rollers

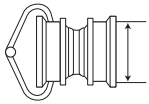
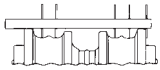
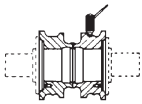




Caliper Inches	Caliper (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
8.62	(219.0)	0	1.99	(50.5)
8.58	(218.0)	5	1.97	(50.0)
8.54	(217.0)	10	1.95	(49.5)
8.50	(216.0)	15	1.93	(49.0)
8.46	(215.0)	20	1.91	(48.5)
8.42	(214.0)	25	1.89	(48.0)
8.38	(213.0)	30	1.87	(47.5)
8.34	(212.0)	35	1.85	(47.0)
8.30	(211.0)	40	1.83	(46.5)
8.26	(210.0)	45	1.81	(46.0)
8.22	(209.0)	50	1.79	(45.5)
8.18	(208.0)	55	1.77	(45.0)
8.14	(207.0)	60	1.75	(44.5)
8.10	(205.5)	65	1.73	(43.9)
8.06	(204.5)	70	1.71	(43.4)
8.02	(203.5)	75	1.69	(42.9)
7.98	(202.5)	79	1.67	(42.4)
7.94	(201.5)	82	1.65	(41.9)
7.90	(200.5)	85	1.63	(41.4)
7.86	(199.5)	88	1.61	(40.9)
7.82	(198.5)	91	1.59	(40.4)
7.78	(197.5)	94	1.57	(39.9)
7.74	(196.5)	97	1.55	(39.4)
7.70	(195.5)	100	1.53	(38.9)
7.66	(194.5)	103	1.51	(38.4)
7.62	(193.5)	106	1.49	(37.8)
7.58	(192.5)	109	1.47	(37.3)
7.54	(191.5)	112	1.45	(36.8)
7.50	(190.5)	115	1.43	(36.3)
7.46	(189.5)	118	1.41	(35.8)
7.42	(188.5)	121	1.39	(35.3)

Undercarriage Code: 191

Track Rollers

Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
10.63	(270.0)	0	0.86	(22.0)	2.50	(63.5)
10.59	(269.0)	5	0.88	(22.5)	2.48	(63.0)
10.55	(268.0)	10	0.90	(23.0)	2.46	(62.5)
10.51	(267.0)	15	0.92	(23.5)	2.44	(62.0)
10.47	(266.0)	20	0.94	(24.0)	2.42	(61.5)
10.43	(265.0)	25	0.96	(24.5)	2.40	(61.0)
10.39	(264.0)	30	0.98	(25.0)	2.38	(60.5)
10.35	(263.0)	35	1.00	(25.5)	2.36	(59.9)
10.31	(262.0)	40	1.02	(26.0)	2.34	(59.4)
10.27	(261.0)	45	1.04	(26.5)	2.32	(58.9)
10.23	(260.0)	50	1.06	(27.0)	2.30	(58.4)
10.19	(259.0)	55	1.08	(27.5)	2.28	(57.9)
10.15	(258.0)	60	1.10	(28.0)	2.26	(57.4)
10.11	(257.0)	64	1.12	(28.5)	2.24	(56.9)
10.07	(256.0)	67	1.14	(29.0)	2.22	(56.4)
10.03	(255.0)	70	1.16	(29.5)	2.20	(55.9)
9.99	(253.5)	73	1.18	(30.0)	2.18	(55.4)
9.95	(252.5)	76	1.20	(30.5)	2.16	(54.9)
9.91	(251.5)	79	1.22	(31.0)	2.14	(54.4)
9.87	(250.5)	82	1.24	(31.5)	2.12	(53.8)
9.83	(249.5)	85	1.26	(32.0)	2.10	(53.3)
9.79	(248.5)	88	1.28	(32.5)	2.08	(52.8)
9.75	(247.5)	91	1.30	(33.0)	2.06	(52.3)
9.71	(246.5)	94	1.32	(33.5)	2.04	(51.8)
9.67	(245.5)	97	1.34	(34.0)	2.02	(51.3)
9.63	(244.5)	100	1.36	(34.5)	2.00	(50.8)
9.59	(243.5)	103	1.38	(35.0)	1.98	(50.3)
9.55	(242.5)	106	1.40	(35.5)	1.96	(49.8)
9.51	(241.5)	109	1.42	(36.0)	1.94	(49.3)
9.47	(240.5)	112	1.44	(36.5)	1.92	(48.8)
9.43	(239.5)	115	1.46	(37.0)	1.90	(48.3)
9.39	(238.5)	118	1.48	(37.5)	1.88	(47.8)
9.35	(237.5)	121	1.50	(38.0)	1.86	(47.2)

Flange diameter is 12.36" (314 mm)

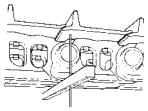
Low Sprocket Machines

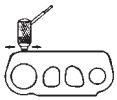
Cat Classic Undercarriage

D5B — 6.91" (175.5 mm)

Track Links

175-8248 & 49

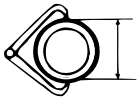


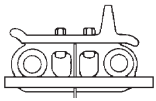


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
4.06	(103.0)	0	1.22	(31.0)
4.04	(102.5)	6	1.20	(30.5)
4.02	(102.0)	12	1.18	(30.0)
4.00	(101.5)	18	1.16	(29.5)
3.98	(101.0)	24	1.14	(29.0)
3.96	(100.5)	30	1.12	(28.4)
3.94	(100.0)	36	1.10	(27.9)
3.92	(99.5)	42	1.08	(27.4)
3.90	(99.0)	48	1.06	(26.9)
3.88	(98.5)	54	1.04	(26.4)
3.86	(98.0)	60	1.02	(25.9)
3.84	(97.5)	66	1.00	(25.4)
3.82	(97.0)	72	0.98	(24.9)
3.80	(96.5)	76	0.96	(24.4)
3.78	(96.0)	80	0.94	(23.9)
3.76	(95.5)	84	0.92	(23.4)
3.74	(95.0)	88	0.90	(22.9)
3.72	(94.5)	92	0.88	(22.4)
3.70	(94.0)	96	0.86	(21.8)
3.68	(93.5)	100	0.84	(21.3)
3.66	(93.0)	104	0.82	(20.8)
3.64	(92.5)	108	0.80	(20.3)
3.62	(92.0)	112	0.78	(19.8)
3.60	(91.5)	116	0.76	(19.3)
3.58	(91.0)	120	0.74	(18.8)

Undercarriage Code: 1315

Bushings for Sealed & Lubricated Track





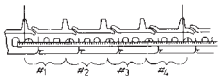
Caliper		Allowable Wear		Ultrasonic		Depth Gauge	
		Lesser	Greater				
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
2.31	(58.7)	0	0	0.41	(10.4)	2.84	(72.1)
2.30	(58.4)	6	5	0.40	(10.2)	2.83	(71.9)
2.29	(58.2)	12	10	0.39	(9.9)	2.82	(71.6)
2.28	(57.9)	18	15	0.38	(9.7)	2.81	(71.4)
2.27	(57.7)	24	20	0.37	(9.4)	2.80	(71.1)
2.26	(57.4)	30	25	0.36	(9.1)	2.79	(70.9)
2.25	(57.2)	36	30	0.35	(8.9)	2.78	(70.6)
2.24	(56.9)	42	35	0.34	(8.6)	2.77	(70.4)
2.23	(56.6)	48	40	0.33	(8.4)	2.76	(70.1)
2.22	(56.4)	54	45	0.32	(8.1)	2.75	(69.9)
2.21	(56.1)	60	50	0.31	(7.9)	2.74	(69.6)
2.20	(55.9)	66	55	0.30	(7.6)	2.73	(69.3)
2.19	(55.6)	72	60	0.29	(7.4)	2.72	(69.1)
2.18	(55.4)	78	65	0.28	(7.1)	2.71	(68.8)
2.17	(55.1)	84	70	0.27	(6.9)	2.70	(68.6)
2.16	(54.9)	88	72	0.26	(6.6)	2.69	(68.3)
2.15	(54.6)	91	74	0.25	(6.4)	2.68	(68.1)
2.14	(54.4)	94	76	0.24	(6.1)	2.67	(67.8)
2.13	(54.1)	97	78	0.23	(5.8)	2.66	(67.6)
2.12	(53.8)	100	80	0.22	(5.6)	2.65	(67.3)
2.11	(53.6)	103	82	0.21	(5.3)	2.64	(67.1)
2.10	(53.3)	106	84	0.20	(5.1)	2.63	(66.8)
2.09	(53.1)	109	86	0.19	(4.8)	2.62	(66.5)
2.08	(52.8)	112	88	0.18	(4.6)	2.61	(66.3)
2.07	(52.6)	115	90	0.17	(4.3)	2.60	(66.0)
2.06	(52.3)	118	92	0.16	(4.1)	2.59	(65.8)
2.05	(52.1)	121	94	0.15	(3.8)	2.58	(65.5)
2.04	(51.8)		96	0.14	(3.6)	2.57	(65.3)
2.03	(51.6)		98	0.13	(3.3)	2.56	(65.0)
2.02	(51.3)		100	0.12	(3.0)	2.55	(64.8)
2.01	(51.1)		102	0.11	(2.8)	2.54	(64.5)
2.00	(50.8)		104	0.10	(2.5)	2.53	(64.3)
1.99	(50.5)		106	0.09	(2.3)	2.52	(64.0)
1.98	(50.3)		108	0.08	(2.0)	2.51	(63.8)
1.97	(50.0)		110	0.07	(1.8)	2.50	(63.5)
1.96	(49.8)		112	0.06	(1.5)	2.49	(63.2)
1.95	(49.5)		114	0.05	(1.3)	2.48	(63.0)
1.94	(49.3)		116	0.04	(1.0)	2.47	(62.7)
1.93	(49.0)		118	0.03	(0.8)	2.46	(62.5)
1.92	(48.8)		120	0.02	(0.5)	2.45	(62.2)

Undercarriage Code: 1315

D5B — 6.91" (175.5 mm)

Pins and Bushings for Sealed Track

Internal Wear

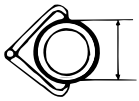


Inches	(mm)	% Worn
27.65	(702.5)	0
27.70	(703.5)	10
27.75	(705.0)	20
27.80	(706.0)	30
27.85	(707.5)	40
27.90	(708.5)	50
27.95	(710.0)	60
28.00	(711.0)	70
28.05	(712.5)	80
28.10	(713.5)	90
28.15	(715.0)	100
28.20	(716.5)	105
28.25	(717.5)	110
28.30	(719.0)	115
28.35	(720.0)	120

Undercarriage Code: 1315

Bushings for Sealed Track

External Wear



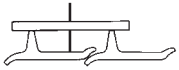


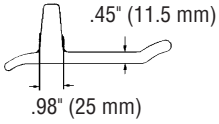
Caliper		Allowable Wear		Ultrasonic	
		Lesser	Greater		
Inches	(mm)	% Worn	% Worn	Inches	(mm)
2.31	(58.7)	0	0	0.41	(10.4)
2.30	(58.4)	10	6	0.40	(10.2)
2.29	(58.2)	20	12	0.39	(9.9)
2.28	(57.9)	30	18	0.38	(9.7)
2.27	(57.7)	40	24	0.37	(9.4)
2.26	(57.4)	50	30	0.36	(9.1)
2.25	(57.2)	60	36	0.35	(8.9)
2.24	(56.9)	70	42	0.34	(8.6)
2.23	(56.6)	80	48	0.33	(8.4)
2.22	(56.4)	85	54	0.32	(8.1)
2.21	(56.1)	90	60	0.31	(7.9)
2.20	(55.9)	95	66	0.30	(7.6)
2.19	(55.6)	100	72	0.29	(7.4)
2.18	(55.4)	105	78	0.28	(7.1)
2.17	(55.1)	110	84	0.27	(6.9)
2.16	(54.9)	115	88	0.26	(6.6)
2.15	(54.6)	120	91	0.25	(6.4)
2.14	(54.4)		94	0.24	(6.1)
2.13	(54.1)		97	0.23	(5.8)
2.12	(53.8)		100	0.22	(5.6)
2.11	(53.6)		103	0.21	(5.3)
2.10	(53.3)		106	0.20	(5.1)
2.09	(53.1)		109	0.19	(4.8)
2.08	(52.8)		112	0.18	(4.6)
2.07	(52.6)		115	0.17	(4.3)
2.06	(52.3)		118	0.16	(4.1)
2.05	(52.1)		121	0.15	(3.8)

D5B — 6.91" (175.5 mm)

Track Shoes

Moderate Service





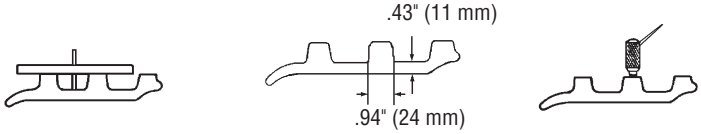


Depth Gauge			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
2.15	(54.5)	0	2.60	(66.0)
2.10	(53.5)	4	2.55	(64.8)
2.05	(52.0)	8	2.50	(63.5)
2.00	(51.0)	12	2.45	(62.2)
1.95	(49.5)	16	2.40	(61.0)
1.90	(48.5)	20	2.35	(59.7)
1.85	(47.0)	24	2.30	(58.4)
1.80	(45.5)	28	2.25	(57.2)
1.75	(44.5)	32	2.20	(55.9)
1.70	(43.0)	36	2.15	(54.6)
1.65	(42.0)	40	2.10	(53.3)
1.60	(40.5)	44	2.05	(52.1)
1.55	(39.5)	48	2.00	(50.8)
1.50	(38.0)	52	1.95	(49.5)
1.45	(37.0)	56	1.90	(48.3)
1.40	(35.5)	60	1.85	(47.0)
1.35	(34.5)	64	1.80	(45.7)
1.30	(33.0)	68	1.75	(44.5)
1.25	(32.0)	72	1.70	(43.2)
1.20	(30.5)	76	1.65	(41.9)
1.15	(29.0)	80	1.60	(40.6)
1.10	(28.0)	84	1.55	(39.4)
1.05	(26.5)	88	1.50	(38.1)
1.00	(25.5)	91	1.45	(36.8)
0.95	(24.0)	94	1.40	(35.6)
0.90	(23.0)	97	1.35	(34.3)
0.85	(21.5)	100	1.30	(33.0)
0.80	(20.5)	103	1.25	(31.8)
0.75	(19.0)	106	1.20	(30.5)
0.70	(18.0)	109	1.15	(29.2)
0.65	(16.5)	112	1.10	(27.9)
0.60	(15.0)	115	1.05	(26.7)
0.55	(14.0)	118	1.00	(25.4)
0.50	(12.5)	121	0.95	(24.1)

Undercarriage Code: 1315

Track Shoes

Triple Grouser

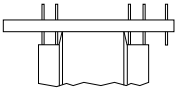


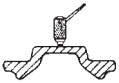
Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
1.00	(25.5)	0	1.50	(38.1)
0.95	(24.0)	7	1.45	(36.8)
0.90	(23.0)	14	1.40	(35.6)
0.85	(21.5)	21	1.35	(34.3)
0.80	(20.5)	28	1.30	(33.0)
0.75	(19.0)	35	1.25	(31.8)
0.70	(18.0)	42	1.20	(30.5)
0.65	(16.5)	49	1.15	(29.2)
0.60	(15.0)	56	1.10	(27.9)
0.55	(14.0)	63	1.05	(26.7)
0.50	(12.5)	70	1.00	(25.4)
0.45	(11.5)	76	0.95	(24.1)
0.40	(10.0)	82	0.90	(22.9)
0.35	(9.0)	88	0.85	(21.6)
0.30	(7.5)	94	0.80	(20.3)
0.25	(6.5)	100	0.75	(19.1)
0.20	(5.0)	106	0.70	(17.8)
0.15	(4.0)	112	0.65	(16.5)
0.10	(2.5)	118	0.60	(15.2)
0.05	(1.5)	124	0.55	(14.0)

Undercarriage Code: 1315

D5B — 6.91" (175.5 mm)

Idlers





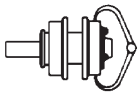
Depth Gauge Inches	(mm)	% Worn
0.74	(19.0)	0
0.76	(19.5)	12
0.78	(20.0)	24
0.80	(20.5)	36
0.82	(21.0)	48
0.84	(21.5)	52
0.86	(22.0)	55
0.88	(22.5)	58
0.90	(23.0)	61
0.92	(23.5)	64
0.94	(24.0)	67
0.96	(24.5)	70
0.98	(25.0)	73
1.00	(25.5)	76
1.02	(26.0)	79
1.04	(26.5)	82
1.06	(27.0)	85
1.08	(27.5)	88
1.10	(28.0)	91
1.12	(28.5)	94
1.14	(29.0)	97
1.16	(29.5)	100
1.18	(30.0)	103
1.20	(30.5)	106
1.22	(31.0)	109
1.24	(31.5)	112
1.26	(32.0)	115
1.28	(32.5)	118
1.30	(33.0)	121

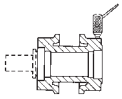
Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.41	(10.4)	0.00	(0.0)
0.39	(9.9)	0.02	(0.5)
0.37	(9.4)	0.04	(1.0)
0.35	(8.9)	0.06	(1.5)
0.33	(8.4)	0.08	(2.0)
0.31	(7.9)	0.10	(2.5)
0.29	(7.4)	0.12	(3.0)
0.27	(6.9)	0.14	(3.5)
0.25	(6.4)	0.16	(4.0)
0.23	(5.8)	0.18	(4.5)
0.21	(5.3)	0.20	(5.0)
0.19	(4.8)	0.22	(5.5)
0.17	(4.3)	0.24	(6.0)
0.15	(3.8)	0.26	(6.5)
0.13	(3.3)	0.28	(7.0)
0.11	(2.8)	0.30	(7.5)
0.09	(2.3)	0.32	(8.0)
0.07	(1.8)	0.34	(8.5)
0.05	(1.3)	0.36	(9.0)
0.03	(0.8)	0.38	(9.5)
0.01	(0.3)	0.40	(10.0)

NOTE: Ultrasonic measurement is to determine flange wear only.

Undercarriage Code: 1315

Carrier Rollers



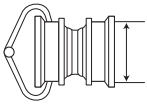


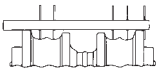
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
6.75	(171.5)	0	1.54	(39.1)
6.71	(170.5)	6	1.52	(38.6)
6.67	(169.5)	12	1.50	(38.1)
6.63	(168.5)	18	1.48	(37.6)
6.59	(167.5)	24	1.46	(37.1)
6.55	(166.5)	30	1.44	(36.6)
6.51	(165.5)	36	1.42	(36.1)
6.47	(164.5)	42	1.40	(35.6)
6.43	(163.5)	48	1.38	(35.1)
6.39	(162.5)	54	1.36	(34.5)
6.35	(161.5)	60	1.34	(34.0)
6.31	(160.5)	66	1.32	(33.5)
6.27	(159.5)	72	1.30	(33.0)
6.23	(158.0)	78	1.28	(32.5)
6.19	(157.0)	84	1.26	(32.0)
6.15	(156.0)	90	1.24	(31.5)
6.11	(155.0)	96	1.22	(31.0)
6.07	(154.0)	100	1.20	(30.5)
6.03	(153.0)	104	1.18	(30.0)
5.99	(152.0)	108	1.16	(29.5)
5.95	(151.0)	112	1.14	(29.0)
5.91	(150.0)	116	1.12	(28.4)
5.87	(149.0)	120	1.10	(27.9)

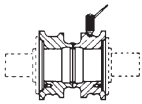
Undercarriage Code: 1315

D5B — 6.91" (175.5 mm)

Track Rollers







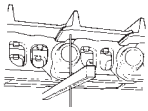
Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
8.01	(203.5)	0	0.65	(16.5)	1.65	(41.9)
7.97	(202.5)	6	0.67	(17.0)	1.63	(41.4)
7.93	(201.5)	12	0.69	(17.5)	1.61	(40.9)
7.89	(200.5)	18	0.71	(18.0)	1.59	(40.4)
7.85	(199.5)	24	0.73	(18.5)	1.57	(39.9)
7.81	(198.5)	30	0.75	(19.0)	1.55	(39.4)
7.77	(197.5)	36	0.77	(19.5)	1.53	(38.9)
7.73	(196.5)	42	0.79	(20.0)	1.51	(38.4)
7.69	(195.5)	48	0.81	(20.5)	1.49	(37.8)
7.65	(194.5)	54	0.83	(21.0)	1.47	(37.3)
7.61	(193.5)	60	0.85	(21.5)	1.45	(36.8)
7.57	(192.5)	66	0.87	(22.0)	1.43	(36.3)
7.53	(191.5)	72	0.89	(22.5)	1.41	(35.8)
7.49	(190.0)	78	0.91	(23.0)	1.39	(35.3)
7.45	(189.0)	84	0.93	(23.5)	1.37	(34.8)
7.41	(188.0)	88	0.95	(24.0)	1.35	(34.3)
7.37	(187.0)	91	0.97	(24.5)	1.33	(33.8)
7.33	(186.0)	94	0.99	(25.0)	1.31	(33.3)
7.29	(185.0)	97	1.01	(25.5)	1.29	(32.8)
7.25	(184.0)	100	1.03	(26.0)	1.27	(32.3)
7.21	(183.0)	103	1.05	(26.5)	1.25	(31.8)
7.17	(182.0)	106	1.07	(27.0)	1.23	(31.2)
7.13	(181.0)	109	1.09	(27.5)	1.21	(30.7)
7.09	(180.0)	112	1.11	(28.0)	1.19	(30.2)
7.05	(179.0)	115	1.13	(28.5)	1.17	(29.7)
7.01	(178.0)	118	1.15	(29.0)	1.15	(29.2)
6.97	(177.0)	121	1.17	(29.5)	1.13	(28.7)

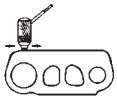
Flange diameter is 9.31" (236.5 mm)

Undercarriage Code: 1315

Track Links

175-8256 & 57

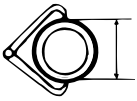


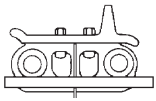


Depth Gauge			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
5.03	(128.0)	0	1.67	(42.4)
5.01	(127.5)	4	1.65	(41.9)
4.99	(126.5)	8	1.63	(41.4)
4.97	(126.0)	12	1.61	(40.9)
4.95	(125.5)	16	1.59	(40.4)
4.93	(125.0)	20	1.57	(39.9)
4.91	(124.5)	24	1.55	(39.4)
4.89	(124.0)	28	1.53	(38.9)
4.87	(123.5)	32	1.51	(38.4)
4.85	(123.0)	36	1.49	(37.8)
4.83	(122.5)	40	1.47	(37.3)
4.81	(122.0)	44	1.45	(36.8)
4.79	(121.5)	48	1.43	(36.3)
4.77	(121.0)	52	1.41	(35.8)
4.75	(120.5)	56	1.39	(35.3)
4.73	(120.0)	60	1.37	(34.8)
4.71	(119.5)	64	1.35	(34.3)
4.69	(119.0)	68	1.33	(33.8)
4.67	(118.5)	72	1.31	(33.3)
4.65	(118.0)	76	1.29	(32.8)
4.63	(117.5)	80	1.27	(32.3)
4.61	(117.0)	84	1.25	(31.8)
4.59	(116.5)	88	1.23	(31.2)
4.57	(116.0)	92	1.21	(30.7)
4.55	(115.5)	96	1.19	(30.2)
4.53	(115.0)	100	1.17	(29.7)
4.51	(114.5)	103	1.15	(29.2)
4.49	(114.0)	106	1.13	(28.7)
4.47	(113.5)	109	1.11	(28.2)
4.45	(113.0)	112	1.09	(27.7)
4.43	(112.5)	115	1.07	(27.2)
4.41	(112.0)	118	1.05	(26.7)
4.39	(111.5)	121	1.03	(26.2)

Undercarriage Code: 1545

Bushings for Sealed & Lubricated Track



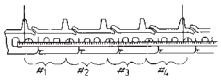


Caliper		Allowable Wear		Ultrasonic		Depth Gauge	
		Lesser	Greater				
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
2.74	(69.6)	0	0	0.47	(11.9)	3.43	(87.1)
2.73	(69.3)	6	5	0.46	(11.7)	3.42	(86.9)
2.72	(69.1)	12	10	0.45	(11.4)	3.41	(86.6)
2.71	(68.8)	18	15	0.44	(11.2)	3.40	(86.4)
2.70	(68.6)	24	20	0.43	(10.9)	3.39	(86.1)
2.69	(68.3)	30	25	0.42	(10.7)	3.38	(85.9)
2.68	(68.1)	36	30	0.41	(10.4)	3.37	(85.6)
2.67	(67.8)	42	35	0.40	(10.2)	3.36	(85.3)
2.66	(67.6)	48	40	0.39	(9.9)	3.35	(85.1)
2.65	(67.3)	54	45	0.38	(9.7)	3.34	(84.8)
2.64	(67.1)	60	50	0.37	(9.4)	3.33	(84.6)
2.63	(66.8)	66	55	0.36	(9.1)	3.32	(84.3)
2.62	(66.5)	72	60	0.35	(8.9)	3.31	(84.1)
2.61	(66.3)	78	65	0.34	(8.6)	3.30	(83.8)
2.60	(66.0)	84	70	0.33	(8.4)	3.29	(83.6)
2.59	(65.8)	88	72	0.32	(8.1)	3.28	(83.3)
2.58	(65.5)	91	74	0.31	(7.9)	3.27	(83.1)
2.57	(65.3)	94	76	0.30	(7.6)	3.26	(82.8)
2.56	(65.0)	97	78	0.29	(7.4)	3.25	(82.6)
2.55	(64.8)	100	80	0.28	(7.1)	3.24	(82.3)
2.54	(64.5)	103	82	0.27	(6.9)	3.23	(82.0)
2.53	(64.3)	106	84	0.26	(6.6)	3.22	(81.8)
2.52	(64.0)	109	86	0.25	(6.3)	3.21	(81.5)
2.51	(63.8)	112	88	0.24	(6.1)	3.20	(81.3)
2.50	(63.5)	115	90	0.23	(5.8)	3.19	(81.0)
2.49	(63.2)	118	92	0.22	(5.6)	3.18	(80.8)
2.48	(63.0)	121	94	0.21	(5.3)	3.17	(80.5)
2.47	(62.7)		96	0.20	(5.1)	3.16	(80.3)
2.46	(62.5)		98	0.19	(4.8)	3.15	(80.0)
2.45	(62.2)		100	0.18	(4.6)	3.14	(79.8)
2.44	(62.0)		102	0.17	(4.3)	3.13	(79.5)
2.43	(61.7)		104	0.16	(4.1)	3.12	(79.2)
2.42	(61.5)		106	0.15	(3.8)	3.11	(79.0)
2.41	(61.2)		108	0.14	(3.6)	3.10	(78.7)
2.40	(61.0)		110	0.13	(3.3)	3.09	(78.5)
2.39	(60.7)		112	0.12	(3.0)	3.08	(78.2)
2.38	(60.5)		114	0.11	(2.8)	3.07	(78.0)
2.37	(60.2)		116	0.10	(2.5)	3.06	(77.7)
2.36	(59.9)		118	0.09	(2.3)	3.05	(77.5)
2.35	(59.7)		120	0.08	(2.0)	3.04	(77.2)

Undercarriage Code: 1545

Pins and Bushings for Sealed Track

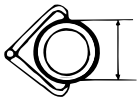
Internal Wear



Inches	(mm)	% Worn
32.00	(813.0)	0
32.05	(814.0)	10
32.10	(815.5)	20
32.15	(816.5)	30
32.20	(818.0)	40
32.25	(819.0)	50
32.30	(820.5)	60
32.35	(821.5)	70
32.40	(823.0)	80
32.45	(824.0)	90
32.50	(825.5)	100
32.55	(827.0)	105
32.60	(828.0)	110
32.65	(829.5)	115
32.70	(830.5)	120

Bushings for Sealed Track

External Wear





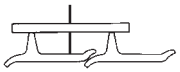
Caliper		Allowable Wear		Ultrasonic	
		Lesser	Greater		
Inches	(mm)	% Worn	% Worn	Inches	(mm)
2.62	(66.5)	0	0	0.41	(10.4)
2.61	(66.3)	9	7	0.40	(10.2)
2.60	(66.0)	18	14	0.39	(9.9)
2.59	(65.8)	27	21	0.38	(9.7)
2.58	(65.5)	36	28	0.37	(9.4)
2.57	(65.3)	45	35	0.36	(9.1)
2.56	(65.0)	54	42	0.35	(8.9)
2.55	(64.8)	63	49	0.34	(8.6)
2.54	(64.5)	72	56	0.33	(8.4)
2.53	(64.3)	81	63	0.32	(8.1)
2.52	(64.0)	90	70	0.31	(7.9)
2.51	(63.8)	96	76	0.30	(7.6)
2.50	(63.5)	100	79	0.29	(7.4)
2.49	(63.2)	104	82	0.28	(7.1)
2.48	(63.0)	108	85	0.27	(6.9)
2.47	(62.7)	112	88	0.26	(6.6)
2.46	(62.5)	116	91	0.25	(6.4)
2.45	(62.2)	120	94	0.24	(6.1)
2.44	(62.0)		97	0.23	(5.8)
2.43	(61.7)		100	0.22	(5.6)
2.42	(61.5)		103	0.21	(5.3)
2.41	(61.2)		106	0.20	(5.1)
2.40	(61.0)		109	0.19	(4.8)
2.39	(60.7)		112	0.18	(4.6)
2.38	(60.5)		115	0.17	(4.3)
2.37	(60.2)		118	0.16	(4.1)
2.36	(59.9)		121	0.15	(3.8)

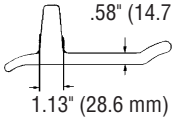
Undercarriage Code: 1545

D6 — 8.00" (203.2 mm)

Track Shoes

Extreme Service





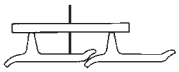


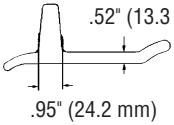
Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
2.80	(71.0)	0	0	3.35	(85.1)
2.75	(70.0)	4	3	3.30	(83.8)
2.70	(68.5)	8	6	3.25	(82.6)
2.65	(67.5)	12	9	3.20	(81.3)
2.60	(66.0)	16	12	3.15	(80.0)
2.55	(65.0)	20	15	3.10	(78.7)
2.50	(63.5)	24	18	3.05	(77.5)
2.45	(62.0)	28	21	3.00	(76.2)
2.40	(61.0)	32	24	2.95	(74.9)
2.35	(59.5)	36	27	2.90	(73.7)
2.30	(58.5)	40	30	2.85	(72.4)
2.25	(57.0)	44	33	2.80	(71.1)
2.20	(56.0)	48	36	2.75	(69.9)
2.15	(54.5)	52	39	2.70	(68.6)
2.10	(53.5)	56	42	2.65	(67.3)
2.05	(52.0)	60	45	2.60	(66.0)
2.00	(51.0)	64	48	2.55	(64.8)
1.95	(49.5)	68	51	2.50	(63.5)
1.90	(48.5)	72	54	2.45	(62.2)
1.85	(47.0)	76	57	2.40	(61.0)
1.80	(45.5)	80	60	2.35	(59.7)
1.75	(44.5)	84	63	2.30	(58.4)
1.70	(43.0)	88	66	2.25	(57.2)
1.65	(42.0)	91	69	2.20	(55.9)
1.60	(40.5)	94	72	2.15	(54.6)
1.55	(39.5)	97	75	2.10	(53.3)
1.50	(38.0)	100	78	2.05	(52.1)
1.45	(37.0)	103	81	2.00	(50.8)
1.40	(35.5)	106	84	1.95	(49.5)
1.35	(34.5)	109	86	1.90	(48.3)
1.30	(33.0)	112	88	1.85	(47.0)
1.25	(32.0)	115	90	1.80	(45.7)
1.20	(30.5)	118	92	1.75	(44.5)
1.15	(29.0)	121	94	1.70	(43.2)
1.10	(28.0)		96	1.65	(41.9)
1.05	(26.5)		98	1.60	(40.6)
1.00	(25.5)		100	1.55	(39.4)
0.95	(24.0)		102	1.50	(38.1)
0.90	(23.0)		104	1.45	(36.8)
0.85	(21.5)		106	1.40	(35.6)
0.80	(20.5)		108	1.35	(34.3)
0.75	(19.0)		110	1.30	(33.0)
0.70	(18.0)		112	1.25	(31.8)
0.65	(16.5)		114	1.20	(30.5)
0.60	(15.0)		116	1.15	(29.2)
0.55	(14.0)		118	1.10	(27.9)
0.50	(12.5)		120	1.05	(26.7)

Undercarriage Code: 1545

Track Shoes

Moderate Service





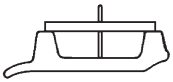


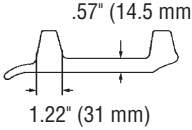
Depth Gauge Inches	(mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	(mm)
2.25	(57.0)	0	0	2.80	(71.1)
2.20	(56.0)	7	4	2.75	(69.9)
2.15	(54.5)	14	8	2.70	(68.6)
2.10	(53.5)	21	12	2.65	(67.3)
2.05	(52.0)	28	16	2.60	(66.0)
2.00	(51.0)	35	20	2.55	(64.8)
1.95	(49.5)	42	24	2.50	(63.5)
1.90	(48.5)	49	28	2.45	(62.2)
1.85	(47.0)	56	32	2.40	(61.0)
1.80	(45.5)	63	36	2.35	(59.7)
1.75	(44.5)	70	40	2.30	(58.4)
1.70	(43.0)	76	44	2.25	(57.2)
1.65	(42.0)	82	48	2.20	(55.9)
1.60	(40.5)	88	52	2.15	(54.6)
1.55	(39.5)	94	56	2.10	(53.3)
1.50	(38.0)	100	60	2.05	(52.1)
1.45	(37.0)	106	64	2.00	(50.8)
1.40	(35.5)	112	68	1.95	(49.5)
1.35	(34.5)	118	72	1.90	(48.3)
1.30	(33.0)	124	76	1.85	(47.0)
1.25	(32.0)		80	1.80	(45.7)
1.20	(30.5)		84	1.75	(44.5)
1.15	(29.0)		88	1.70	(43.2)
1.10	(28.0)		92	1.65	(41.9)
1.05	(26.5)		96	1.60	(40.6)
1.00	(25.5)		100	1.55	(39.4)
0.95	(24.0)		103	1.50	(38.1)
0.90	(23.0)		106	1.45	(36.8)
0.85	(21.5)		109	1.40	(35.6)
0.80	(20.5)		112	1.35	(34.3)
0.75	(19.0)		115	1.30	(33.0)
0.70	(18.0)		118	1.25	(31.8)
0.65	(16.5)		121	1.20	(30.5)

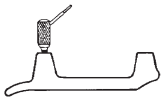
Undercarriage Code: 1545

Track Shoes

Double Grouser



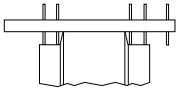


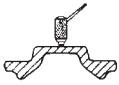


Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
1.35	(34.5)	0	0	1.90	(48.3)
1.30	(33.0)	9	6	1.85	(47.0)
1.25	(32.0)	18	12	1.80	(45.7)
1.20	(30.5)	27	18	1.75	(44.5)
1.15	(29.0)	36	24	1.70	(43.2)
1.10	(28.0)	44	30	1.65	(41.9)
1.05	(26.5)	52	36	1.60	(40.6)
1.00	(25.5)	60	42	1.55	(39.4)
0.95	(24.0)	68	48	1.50	(38.1)
0.90	(23.0)	76	54	1.45	(36.8)
0.85	(21.5)	84	60	1.40	(35.6)
0.80	(20.5)	92	66	1.35	(34.3)
0.75	(19.0)	100	72	1.30	(33.0)
0.70	(18.0)	108	78	1.25	(31.8)
0.65	(16.5)	116	84	1.20	(30.5)
0.60	(15.0)	124	90	1.15	(29.2)
0.55	(14.0)		95	1.10	(27.9)
0.50	(12.5)		100	1.05	(26.7)
0.45	(11.5)		105	1.00	(25.4)
0.40	(10.0)		110	0.95	(24.1)
0.35	(9.0)		115	0.90	(22.9)
0.30	(7.5)		120	0.85	(21.6)

Undercarriage Code: 1545

Idlers





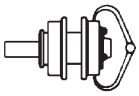
Depth Gauge Inches	(mm)	% Worn
0.88	(22.5)	0
0.90	(23.0)	12
0.92	(23.5)	24
0.94	(24.0)	36
0.96	(24.5)	48
0.98	(25.0)	60
1.00	(25.5)	72
1.02	(26.0)	82
1.04	(26.5)	85
1.06	(27.0)	88
1.08	(27.5)	91
1.10	(28.0)	94
1.12	(28.5)	97
1.14	(29.0)	100
1.16	(29.5)	103
1.18	(30.0)	106
1.20	(30.5)	109
1.22	(31.0)	112
1.24	(31.5)	115
1.26	(32.0)	118
1.28	(32.5)	121

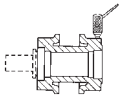
Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.42	(10.7)	0.00	(0.0)
0.40	(10.2)	0.02	(0.5)
0.38	(9.7)	0.04	(1.0)
0.36	(9.1)	0.06	(1.5)
0.34	(8.6)	0.08	(2.0)
0.32	(8.1)	0.10	(2.5)
0.30	(7.6)	0.12	(3.0)
0.28	(7.1)	0.14	(3.5)
0.26	(6.6)	0.16	(4.0)
0.24	(6.1)	0.18	(4.5)
0.22	(5.6)	0.20	(5.0)
0.20	(5.1)	0.22	(5.5)
0.18	(4.6)	0.24	(6.0)
0.16	(4.1)	0.26	(6.5)
0.14	(3.6)	0.28	(7.0)
0.12	(3.0)	0.30	(7.5)
0.10	(2.5)	0.32	(8.0)
0.08	(2.0)	0.34	(8.5)
0.06	(1.5)	0.36	(9.0)
0.04	(1.0)	0.38	(9.5)
0.02	(0.5)	0.40	(10.0)

NOTE: Ultrasonic measurement is to determine flange wear only.

D6 — 8.00" (203.2 mm)

Carrier Rollers

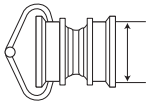
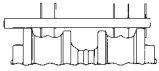
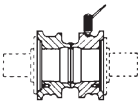




Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
7.38	(187.5)	0	1.86	(47.2)
7.34	(186.5)	4	1.84	(46.7)
7.30	(185.5)	8	1.82	(46.2)
7.26	(184.5)	12	1.80	(45.7)
7.22	(183.5)	16	1.78	(45.2)
7.18	(182.5)	20	1.76	(44.7)
7.14	(181.5)	24	1.74	(44.2)
7.10	(180.5)	28	1.72	(43.7)
7.06	(179.5)	32	1.70	(43.2)
7.02	(178.5)	36	1.68	(42.7)
6.98	(177.5)	40	1.66	(42.2)
6.94	(176.5)	44	1.64	(41.7)
6.90	(175.5)	48	1.62	(41.1)
6.86	(174.0)	52	1.60	(40.6)
6.82	(173.0)	56	1.58	(40.1)
6.78	(172.0)	60	1.56	(39.6)
6.74	(171.0)	64	1.54	(39.1)
6.70	(170.0)	68	1.52	(38.6)
6.66	(169.0)	70	1.50	(38.1)
6.62	(168.0)	72	1.48	(37.6)
6.58	(167.0)	74	1.46	(37.1)
6.54	(166.0)	76	1.44	(36.6)
6.50	(165.0)	78	1.42	(36.1)
6.46	(164.0)	80	1.40	(35.6)
6.42	(163.0)	82	1.38	(35.1)
6.38	(162.0)	84	1.36	(34.5)
6.34	(161.0)	86	1.34	(34.0)
6.30	(160.0)	88	1.32	(33.5)
6.26	(159.0)	90	1.30	(33.0)
6.22	(158.0)	92	1.28	(32.5)
6.18	(157.0)	94	1.26	(32.0)
6.14	(156.0)	96	1.24	(31.5)
6.10	(155.0)	98	1.22	(31.0)
6.06	(154.0)	100	1.20	(30.5)
6.02	(153.0)	102	1.18	(30.0)
5.98	(152.0)	104	1.16	(29.5)
5.94	(151.0)	106	1.14	(29.0)
5.90	(150.0)	108	1.12	(28.4)
5.86	(149.0)	110	1.10	(27.9)
5.82	(148.0)	112	1.08	(27.4)
5.78	(147.0)	114	1.06	(26.9)
5.74	(146.0)	116	1.04	(26.4)
5.70	(145.0)	118	1.02	(25.9)
5.66	(144.0)	120	1.00	(25.4)

Undercarriage Code: 1545

Track Rollers

Caliper Inches	Caliper (mm)	% Worn	Depth Gauge Inches	Depth Gauge (mm)	Ultrasonic Inches	Ultrasonic (mm)
8.26	(210.0)	0	0.73	(18.5)	1.88	(47.8)
8.22	(209.0)	4	0.75	(19.0)	1.86	(47.2)
8.18	(208.0)	8	0.77	(19.5)	1.84	(46.7)
8.14	(207.0)	12	0.79	(20.0)	1.82	(46.2)
8.10	(205.5)	16	0.81	(20.5)	1.80	(45.7)
8.06	(204.5)	20	0.83	(21.0)	1.78	(45.2)
8.02	(203.5)	24	0.85	(21.5)	1.76	(44.7)
7.98	(202.5)	28	0.87	(22.0)	1.74	(44.2)
7.94	(201.5)	32	0.89	(22.5)	1.72	(43.7)
7.90	(200.5)	36	0.91	(23.0)	1.70	(43.2)
7.86	(199.5)	40	0.93	(23.5)	1.68	(42.7)
7.82	(198.5)	43	0.95	(24.0)	1.66	(42.2)
7.78	(197.5)	46	0.97	(24.5)	1.64	(41.7)
7.74	(196.5)	49	0.99	(25.0)	1.62	(41.1)
7.70	(195.5)	52	1.01	(25.5)	1.60	(40.6)
7.66	(194.5)	55	1.03	(26.0)	1.58	(40.1)
7.62	(193.5)	58	1.05	(26.5)	1.56	(39.6)
7.58	(192.5)	61	1.07	(27.0)	1.54	(39.1)
7.54	(191.5)	64	1.09	(27.5)	1.52	(38.6)
7.50	(190.5)	67	1.11	(28.0)	1.50	(38.1)
7.46	(189.5)	70	1.13	(28.5)	1.48	(37.6)
7.42	(188.5)	73	1.15	(29.0)	1.46	(37.1)
7.38	(187.5)	76	1.17	(29.5)	1.44	(36.6)
7.34	(186.5)	79	1.19	(30.0)	1.42	(36.1)
7.30	(185.5)	82	1.21	(30.5)	1.40	(35.6)
7.26	(184.5)	85	1.23	(31.0)	1.38	(35.1)
7.22	(183.5)	88	1.25	(32.0)	1.36	(34.5)
7.18	(182.5)	91	1.27	(32.5)	1.34	(34.0)
7.14	(181.5)	94	1.29	(33.0)	1.32	(33.5)
7.10	(180.5)	97	1.31	(33.5)	1.30	(33.0)
7.06	(179.5)	100	1.33	(34.0)	1.28	(32.5)
7.02	(178.5)	103	1.35	(34.5)	1.26	(32.0)
6.98	(177.5)	106	1.37	(35.0)	1.24	(31.5)
6.94	(176.5)	109	1.39	(35.5)	1.22	(31.0)
6.90	(175.5)	112	1.41	(36.0)	1.20	(30.5)
6.86	(174.0)	115	1.43	(36.5)	1.18	(30.0)
6.82	(173.0)	118	1.45	(37.0)	1.16	(29.5)
6.78	(172.0)	121	1.47	(37.5)	1.14	(29.0)

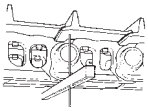
Flange diameter is 9.72" (247 mm)

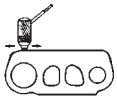
Undercarriage Code: 1545

D7 — 8.50" (215.9 mm)

Track Links

188-5251 & 52



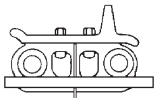


Depth Gauge			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
4.94	(125.5)	0	1.35	(34.3)
4.92	(125.0)	5	1.33	(33.8)
4.90	(124.5)	10	1.31	(33.3)
4.88	(124.0)	15	1.29	(32.8)
4.86	(123.5)	20	1.27	(32.3)
4.84	(123.0)	25	1.25	(31.8)
4.82	(122.5)	30	1.23	(31.2)
4.80	(122.0)	35	1.21	(30.7)
4.78	(121.5)	40	1.19	(30.2)
4.76	(121.0)	44	1.17	(29.7)
4.74	(120.5)	48	1.15	(29.2)
4.72	(120.0)	52	1.13	(28.7)
4.70	(119.5)	56	1.11	(28.2)
4.68	(119.0)	60	1.09	(27.7)
4.66	(118.5)	64	1.07	(27.2)
4.64	(118.0)	68	1.05	(26.7)
4.62	(117.5)	72	1.03	(26.2)
4.60	(117.0)	76	1.01	(25.7)
4.58	(116.5)	80	0.99	(25.1)
4.56	(116.0)	84	0.97	(24.6)
4.54	(115.5)	88	0.95	(24.1)
4.52	(115.0)	92	0.93	(23.6)
4.50	(114.5)	96	0.91	(23.1)
4.48	(114.0)	100	0.89	(22.6)
4.46	(113.5)	104	0.87	(22.1)
4.44	(113.0)	108	0.85	(21.6)
4.42	(112.5)	112	0.83	(21.1)
4.40	(112.0)	116	0.81	(20.6)
4.38	(111.5)	120	0.79	(20.1)

Undercarriage Code: 1655

Bushings for Sealed & Lubricated Track





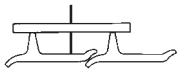
Caliper		Allowable Wear		Ultrasonic		Depth Gauge	
		Lesser	Greater				
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
2.93	(74.4)	0	0	0.51	(13.0)	3.65	(92.7)
2.92	(74.2)	6	5	0.50	(12.7)	3.64	(92.5)
2.91	(73.9)	12	10	0.49	(12.4)	3.63	(92.2)
2.90	(73.7)	18	15	0.48	(12.2)	3.62	(91.9)
2.89	(73.4)	24	20	0.47	(11.9)	3.61	(91.7)
2.88	(73.2)	30	25	0.46	(11.7)	3.60	(91.4)
2.87	(72.9)	36	30	0.45	(11.4)	3.59	(91.2)
2.86	(72.6)	42	35	0.44	(11.2)	3.58	(90.9)
2.85	(72.4)	48	40	0.43	(10.9)	3.57	(90.7)
2.84	(72.1)	54	45	0.42	(10.7)	3.56	(90.4)
2.83	(71.9)	60	50	0.41	(10.4)	3.55	(90.2)
2.82	(71.6)	66	55	0.40	(10.2)	3.54	(89.9)
2.81	(71.4)	72	60	0.39	(9.9)	3.53	(89.7)
2.80	(71.1)	78	65	0.38	(9.7)	3.52	(89.4)
2.79	(70.9)	84	70	0.37	(9.4)	3.51	(89.2)
2.78	(70.6)	88	72	0.36	(9.1)	3.50	(88.9)
2.77	(70.4)	91	74	0.35	(8.9)	3.49	(88.6)
2.76	(70.1)	94	76	0.34	(8.6)	3.48	(88.4)
2.75	(69.9)	97	78	0.33	(8.4)	3.47	(88.1)
2.74	(69.6)	100	80	0.32	(8.1)	3.46	(87.9)
2.73	(69.3)	103	82	0.31	(7.9)	3.45	(87.6)
2.72	(69.1)	106	84	0.30	(7.6)	3.44	(87.4)
2.71	(68.8)	109	86	0.29	(7.4)	3.43	(87.1)
2.70	(68.6)	112	88	0.28	(7.1)	3.42	(86.9)
2.69	(68.3)	115	90	0.27	(6.9)	3.41	(86.6)
2.68	(68.1)	118	92	0.26	(6.6)	3.40	(86.4)
2.67	(67.8)	121	94	0.25	(6.3)	3.39	(86.1)
2.66	(67.6)		96	0.24	(6.1)	3.38	(85.9)
2.65	(67.3)		98	0.23	(5.8)	3.37	(85.6)
2.64	(67.1)		100	0.22	(5.6)	3.36	(85.3)
2.63	(66.8)		102	0.21	(5.3)	3.35	(85.1)
2.62	(66.5)		104	0.20	(5.1)	3.34	(84.8)
2.61	(66.3)		106	0.19	(4.8)	3.33	(84.6)
2.60	(66.0)		108	0.18	(4.6)	3.32	(84.3)
2.59	(65.8)		110	0.17	(4.3)	3.31	(84.1)
2.58	(65.5)		112	0.16	(4.1)	3.30	(83.8)
2.57	(65.3)		114	0.15	(3.8)	3.29	(83.6)
2.56	(65.0)		116	0.14	(3.6)	3.28	(83.3)
2.55	(64.8)		118	0.13	(3.3)	3.27	(83.1)
2.54	(64.5)		120	0.12	(3.0)	3.26	(82.8)

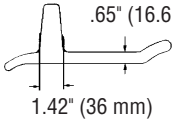
Undercarriage Code: 1655

D7 — 8.50" (215.9 mm)

Track Shoes

Extreme Service





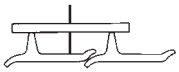


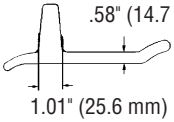
Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
2.80	(71.0)	0	0	3.45	(87.6)
2.75	(70.0)	4	3	3.40	(86.4)
2.70	(68.5)	8	6	3.35	(85.1)
2.65	(67.5)	12	9	3.30	(83.8)
2.60	(66.0)	16	12	3.25	(82.6)
2.55	(65.0)	20	15	3.20	(81.3)
2.50	(63.5)	24	18	3.15	(80.0)
2.45	(62.0)	28	21	3.10	(78.7)
2.40	(61.0)	32	24	3.05	(77.5)
2.35	(59.5)	36	27	3.00	(76.2)
2.30	(58.5)	40	30	2.95	(74.9)
2.25	(57.0)	44	33	2.90	(73.7)
2.20	(56.0)	48	36	2.85	(72.4)
2.15	(54.5)	52	39	2.80	(71.1)
2.10	(53.5)	56	42	2.75	(69.9)
2.05	(52.0)	60	45	2.70	(68.6)
2.00	(51.0)	64	48	2.65	(67.3)
1.95	(49.5)	68	51	2.60	(66.0)
1.90	(48.5)	72	54	2.55	(64.8)
1.85	(47.0)	76	57	2.50	(63.5)
1.80	(45.5)	80	60	2.45	(62.2)
1.75	(44.5)	84	63	2.40	(61.0)
1.70	(43.0)	88	66	2.35	(59.7)
1.65	(42.0)	91	69	2.30	(58.4)
1.60	(40.5)	94	72	2.25	(57.2)
1.55	(39.5)	97	75	2.20	(55.9)
1.50	(38.0)	100	78	2.15	(54.6)
1.45	(37.0)	103	81	2.10	(53.3)
1.40	(35.5)	106	84	2.05	(52.1)
1.35	(34.5)	109	86	2.00	(50.8)
1.30	(33.0)	112	88	1.95	(49.5)
1.25	(32.0)	115	90	1.90	(48.3)
1.20	(30.5)	118	92	1.85	(47.0)
1.15	(29.0)	121	94	1.80	(45.7)
1.10	(28.0)		96	1.75	(44.5)
1.05	(26.5)		98	1.70	(43.2)
1.00	(25.5)		100	1.65	(41.9)
0.95	(24.0)		102	1.60	(40.6)
0.90	(23.0)		104	1.55	(39.4)
0.85	(21.5)		106	1.50	(38.1)
0.80	(20.5)		108	1.45	(36.8)
0.75	(19.0)		110	1.40	(35.6)
0.70	(18.0)		112	1.35	(34.3)
0.65	(16.5)		114	1.30	(33.0)
0.60	(15.0)		116	1.25	(31.8)
0.55	(14.0)		118	1.20	(30.5)
0.50	(12.5)		120	1.15	(29.2)

Undercarriage Code: 1655

Track Shoes

Moderate Service







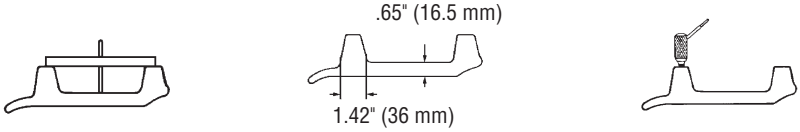
Depth Gauge Inches	(mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	(mm)
2.80	(71.0)	0	0	3.40	(86.4)
2.75	(70.0)	4	3	3.35	(85.1)
2.70	(68.5)	8	6	3.30	(83.8)
2.65	(67.5)	12	9	3.25	(82.6)
2.60	(66.0)	16	12	3.20	(81.3)
2.55	(65.0)	20	15	3.15	(80.0)
2.50	(63.5)	24	18	3.10	(78.7)
2.45	(62.0)	28	21	3.05	(77.5)
2.40	(61.0)	32	24	3.00	(76.2)
2.35	(59.5)	36	27	2.95	(74.9)
2.30	(58.5)	40	30	2.90	(73.7)
2.25	(57.0)	44	33	2.85	(72.4)
2.20	(56.0)	48	36	2.80	(71.1)
2.15	(54.5)	52	39	2.75	(69.9)
2.10	(53.5)	56	42	2.70	(68.6)
2.05	(52.0)	60	45	2.65	(67.3)
2.00	(51.0)	64	48	2.60	(66.0)
1.95	(49.5)	68	51	2.55	(64.8)
1.90	(48.5)	72	54	2.50	(63.5)
1.85	(47.0)	76	57	2.45	(62.2)
1.80	(45.5)	80	60	2.40	(61.0)
1.75	(44.5)	84	63	2.35	(59.7)
1.70	(43.0)	88	66	2.30	(58.4)
1.65	(42.0)	91	69	2.25	(57.2)
1.60	(40.5)	94	72	2.20	(55.9)
1.55	(39.5)	97	75	2.15	(54.6)
1.50	(38.0)	100	78	2.10	(53.3)
1.45	(37.0)	103	81	2.05	(52.1)
1.40	(35.5)	106	84	2.00	(50.8)
1.35	(34.5)	109	86	1.95	(49.5)
1.30	(33.0)	112	88	1.90	(48.3)
1.25	(32.0)	115	90	1.85	(47.0)
1.20	(30.5)	118	92	1.80	(45.7)
1.15	(29.0)	121	94	1.75	(44.5)
1.10	(28.0)		96	1.70	(43.2)
1.05	(26.5)		98	1.65	(41.9)
1.00	(25.5)		100	1.60	(40.6)
0.95	(24.0)		102	1.55	(39.4)
0.90	(23.0)		104	1.50	(38.1)
0.85	(21.5)		106	1.45	(36.8)
0.80	(20.5)		108	1.40	(35.6)
0.75	(19.0)		110	1.35	(34.3)
0.70	(18.0)		112	1.30	(33.0)
0.65	(16.5)		114	1.25	(31.8)
0.60	(15.0)		116	1.20	(30.5)
0.55	(14.0)		118	1.15	(29.2)
0.50	(12.5)		120	1.10	(27.9)

Undercarriage Code: 1655

D7 — 8.50" (215.9 mm)

Track Shoes

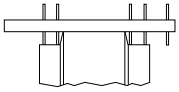
Double Grouser

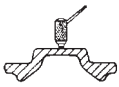


Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
1.45	(37.0)	0	0	2.10	(53.3)
1.40	(35.5)	8	6	2.05	(52.1)
1.35	(34.5)	16	12	2.00	(50.8)
1.30	(33.0)	23	18	1.95	(49.5)
1.25	(32.0)	30	24	1.90	(48.3)
1.20	(30.5)	37	30	1.85	(47.0)
1.15	(29.0)	44	35	1.80	(45.7)
1.10	(28.0)	51	40	1.75	(44.5)
1.05	(26.5)	58	45	1.70	(43.2)
1.00	(25.5)	65	50	1.65	(41.9)
0.95	(24.0)	72	55	1.60	(40.6)
0.90	(23.0)	79	60	1.55	(39.4)
0.85	(21.5)	86	65	1.50	(38.1)
0.80	(20.5)	93	70	1.45	(36.8)
0.75	(19.0)	100	75	1.40	(35.6)
0.70	(18.0)	107	80	1.35	(34.3)
0.65	(16.5)	114	85	1.30	(33.0)
0.60	(15.0)	121	90	1.25	(31.8)
0.55	(14.0)		95	1.20	(30.5)
0.50	(12.5)		100	1.15	(29.2)
0.45	(11.5)		105	1.10	(27.9)
0.40	(10.0)		110	1.05	(26.7)
0.35	(9.0)		115	1.00	(25.4)
0.30	(7.5)		120	0.95	(24.1)

Undercarriage Code: 1655

Idlers





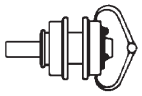
Depth Gauge Inches	(mm)	% Worn
0.78	(20.0)	0
0.80	(20.5)	6
0.82	(21.0)	12
0.84	(21.5)	18
0.86	(22.0)	24
0.88	(22.5)	30
0.90	(23.0)	36
0.92	(23.5)	42
0.94	(24.0)	48
0.96	(24.5)	54
0.98	(25.0)	60
1.00	(25.5)	66
1.02	(26.0)	72
1.04	(26.5)	76
1.06	(27.0)	78
1.08	(27.5)	80
1.10	(28.0)	82
1.12	(28.5)	84
1.14	(29.0)	86
1.16	(29.5)	88
1.18	(30.0)	90
1.20	(30.5)	92
1.22	(31.0)	94
1.24	(31.5)	96
1.26	(32.0)	98
1.28	(32.5)	100
1.30	(33.0)	102
1.32	(33.5)	104
1.34	(34.0)	106
1.36	(34.5)	108
1.38	(35.0)	110
1.40	(35.5)	112
1.42	(36.0)	114
1.44	(36.5)	116
1.46	(37.0)	118
1.48	(37.5)	120

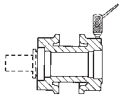
Flange width: 4.02" (102 mm)

Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.49	(12.4)	0.00	(0.0)
0.47	(11.9)	0.02	(0.5)
0.45	(11.4)	0.04	(1.0)
0.43	(10.9)	0.06	(1.5)
0.41	(10.4)	0.08	(2.0)
0.39	(9.9)	0.10	(2.5)
0.37	(9.4)	0.12	(3.0)
0.35	(8.9)	0.14	(3.5)
0.33	(8.4)	0.16	(4.0)
0.31	(7.9)	0.18	(4.5)
0.29	(7.4)	0.20	(5.0)
0.27	(6.9)	0.22	(5.5)
0.25	(6.3)	0.24	(6.0)
0.23	(5.8)	0.26	(6.5)
0.21	(5.3)	0.28	(7.0)
0.19	(4.8)	0.30	(7.5)
0.17	(4.3)	0.32	(8.0)
0.15	(3.8)	0.34	(8.5)
0.13	(3.3)	0.36	(9.0)
0.11	(2.8)	0.38	(9.5)
0.09	(2.3)	0.40	(10.0)
0.07	(1.8)	0.42	(10.5)
0.05	(1.3)	0.44	(11.0)
0.03	(0.8)	0.46	(11.5)
0.01	(0.3)	0.48	(12.0)

NOTE: Ultrasonic measurement is to determine flange wear only.

Carrier Rollers

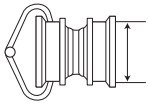


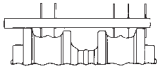


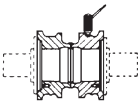
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
7.50	(190.5)	0	1.92	(48.8)
7.46	(189.5)	6	1.90	(48.3)
7.42	(188.5)	12	1.88	(47.8)
7.38	(187.5)	18	1.86	(47.2)
7.34	(186.5)	24	1.84	(46.7)
7.30	(185.5)	30	1.82	(46.2)
7.26	(184.5)	36	1.80	(45.7)
7.22	(183.5)	42	1.78	(45.2)
7.18	(182.5)	48	1.76	(44.7)
7.14	(181.5)	54	1.74	(44.2)
7.10	(180.5)	60	1.72	(43.7)
7.06	(179.5)	66	1.70	(43.2)
7.02	(178.5)	72	1.68	(42.7)
6.98	(177.5)	78	1.66	(42.2)
6.94	(176.5)	84	1.64	(41.7)
6.90	(175.5)	88	1.62	(41.1)
6.86	(174.0)	91	1.60	(40.6)
6.82	(173.0)	94	1.58	(40.1)
6.78	(172.0)	97	1.56	(39.6)
6.74	(171.0)	100	1.54	(39.1)
6.70	(170.0)	103	1.52	(38.6)
6.66	(169.0)	106	1.50	(38.1)
6.62	(168.0)	109	1.48	(37.6)
6.58	(167.0)	112	1.46	(37.1)
6.54	(166.0)	115	1.44	(36.6)
6.50	(165.0)	118	1.42	(36.1)
6.46	(164.0)	121	1.40	(35.6)

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Track Rollers







Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
8.76	(222.5)	0	0.74	(19.0)	2.06	(52.3)
8.72	(221.5)	5	0.76	(19.5)	2.04	(51.8)
8.68	(220.5)	10	0.78	(20.0)	2.02	(51.3)
8.64	(219.5)	15	0.80	(20.5)	2.00	(50.8)
8.60	(218.5)	20	0.82	(21.0)	1.98	(50.3)
8.56	(217.5)	25	0.84	(21.5)	1.96	(49.8)
8.52	(216.5)	30	0.86	(22.0)	1.94	(49.3)
8.48	(215.5)	35	0.88	(22.5)	1.92	(48.8)
8.44	(214.5)	40	0.90	(23.0)	1.90	(48.3)
8.40	(213.5)	45	0.92	(23.5)	1.88	(47.8)
8.36	(212.5)	50	0.94	(24.0)	1.86	(47.2)
8.32	(211.5)	55	0.96	(24.5)	1.84	(46.7)
8.28	(210.5)	60	0.98	(25.0)	1.82	(46.2)
8.24	(209.5)	65	1.00	(25.5)	1.80	(45.7)
8.20	(208.5)	70	1.02	(26.0)	1.78	(45.2)
8.16	(207.5)	75	1.04	(26.5)	1.76	(44.7)
8.12	(206.0)	80	1.06	(27.0)	1.74	(44.2)
8.08	(205.0)	85	1.08	(27.5)	1.72	(43.7)
8.04	(204.0)	90	1.10	(28.0)	1.70	(43.2)
8.00	(203.0)	94	1.12	(28.5)	1.68	(42.7)
7.96	(202.0)	96	1.14	(29.0)	1.66	(42.2)
7.92	(201.0)	98	1.16	(29.5)	1.64	(41.7)
7.88	(200.0)	100	1.18	(30.0)	1.62	(41.1)
7.84	(199.0)	102	1.20	(30.5)	1.60	(40.6)
7.80	(198.0)	104	1.22	(31.0)	1.58	(40.1)
7.76	(197.0)	106	1.24	(31.5)	1.56	(39.6)
7.72	(196.0)	108	1.26	(32.0)	1.54	(39.1)
7.68	(195.0)	110	1.28	(32.5)	1.52	(38.6)
7.64	(194.0)	112	1.30	(33.0)	1.50	(38.1)
7.60	(193.0)	114	1.32	(33.5)	1.48	(37.6)
7.56	(192.0)	116	1.34	(34.0)	1.46	(37.1)
7.52	(191.0)	118	1.36	(34.5)	1.44	(36.6)
7.48	(190.0)	120	1.38	(35.0)	1.42	(36.1)

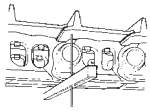
Flange diameter is 10.24" (260 mm)

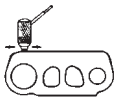
Undercarriage Code: 1655

D8 — 9.00" (228.7 mm)

Track Links

188-5531 & 32

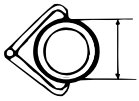


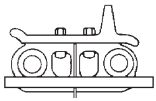


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
5.41	(137.5)	0	1.61	(40.9)
5.39	(137.0)	4	1.59	(40.4)
5.37	(136.5)	8	1.57	(39.9)
5.35	(136.0)	12	1.55	(39.4)
5.33	(135.5)	16	1.53	(38.9)
5.31	(135.0)	20	1.51	(38.4)
5.29	(134.5)	24	1.49	(37.8)
5.27	(134.0)	28	1.47	(37.3)
5.25	(133.5)	32	1.45	(36.8)
5.23	(133.0)	36	1.43	(36.3)
5.21	(132.5)	40	1.41	(35.8)
5.19	(132.0)	44	1.39	(35.3)
5.17	(131.5)	48	1.37	(34.8)
5.15	(131.0)	52	1.35	(34.3)
5.13	(130.5)	56	1.33	(33.8)
5.11	(130.0)	60	1.31	(33.3)
5.09	(129.5)	64	1.29	(32.8)
5.07	(129.0)	68	1.27	(32.3)
5.05	(128.5)	72	1.25	(31.8)
5.03	(128.0)	76	1.23	(31.2)
5.01	(127.5)	80	1.21	(30.7)
4.99	(126.5)	84	1.19	(30.2)
4.97	(126.0)	88	1.17	(29.7)
4.95	(125.5)	91	1.15	(29.2)
4.93	(125.0)	94	1.13	(28.7)
4.91	(124.5)	97	1.11	(28.2)
4.89	(124.0)	100	1.09	(27.7)
4.87	(123.5)	103	1.07	(27.2)
4.85	(123.0)	106	1.05	(26.7)
4.83	(122.5)	109	1.03	(26.2)
4.81	(122.0)	112	1.01	(25.7)
4.79	(121.5)	115	0.99	(25.1)
4.77	(121.0)	118	0.97	(24.6)
4.75	(120.5)	121	0.95	(24.1)

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Bushings for Sealed & Lubricated Track



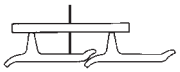


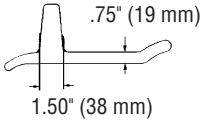
Caliper		Allowable Wear		Ultrasonic		Depth Gauge	
		Lesser	Greater				
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
3.16	(80.3)	0	0	0.56	(14.2)	3.89	(98.8)
3.15	(80.0)	6	5	0.55	(14.0)	3.88	(98.6)
3.14	(79.8)	12	10	0.54	(13.7)	3.87	(98.3)
3.13	(79.5)	18	15	0.53	(13.5)	3.86	(98.0)
3.12	(79.2)	24	20	0.52	(13.2)	3.85	(97.8)
3.11	(79.0)	30	25	0.51	(13.0)	3.84	(97.5)
3.10	(78.7)	36	30	0.50	(12.7)	3.83	(97.3)
3.09	(78.5)	42	35	0.49	(12.4)	3.82	(97.0)
3.08	(78.2)	48	40	0.48	(12.2)	3.81	(96.8)
3.07	(78.0)	54	45	0.47	(11.9)	3.80	(96.5)
3.06	(77.7)	60	50	0.46	(11.7)	3.79	(96.3)
3.05	(77.5)	66	55	0.45	(11.4)	3.78	(96.0)
3.04	(77.2)	72	60	0.44	(11.2)	3.77	(95.8)
3.03	(77.0)	78	65	0.43	(10.9)	3.76	(95.5)
3.02	(76.7)	84	70	0.42	(10.7)	3.75	(95.3)
3.01	(76.5)	88	72	0.41	(10.4)	3.74	(95.0)
3.00	(76.2)	91	74	0.40	(10.2)	3.73	(94.7)
2.99	(75.9)	94	76	0.39	(9.9)	3.72	(94.5)
2.98	(75.7)	97	78	0.38	(9.7)	3.71	(94.2)
2.97	(75.4)	100	80	0.37	(9.4)	3.70	(94.0)
2.96	(75.2)	103	82	0.36	(9.1)	3.69	(93.7)
2.95	(74.9)	106	84	0.35	(8.9)	3.68	(93.5)
2.94	(74.7)	109	86	0.34	(8.6)	3.67	(93.2)
2.93	(74.4)	112	88	0.33	(8.4)	3.66	(93.0)
2.92	(74.2)	115	90	0.32	(8.1)	3.65	(92.7)
2.91	(73.9)	118	92	0.31	(7.9)	3.64	(92.5)
2.90	(73.7)	121	94	0.30	(7.6)	3.63	(92.2)
2.89	(73.4)		96	0.29	(7.4)	3.62	(91.9)
2.88	(73.2)		98	0.28	(7.1)	3.61	(91.7)
2.87	(72.9)		100	0.27	(6.9)	3.60	(91.4)
2.86	(72.6)		102	0.26	(6.6)	3.59	(91.2)
2.85	(72.4)		104	0.25	(6.3)	3.58	(90.9)
2.84	(72.1)		106	0.24	(6.1)	3.57	(90.7)
2.83	(71.9)		108	0.23	(5.8)	3.56	(90.4)
2.82	(71.6)		110	0.22	(5.6)	3.55	(90.2)
2.81	(71.4)		112	0.21	(5.3)	3.54	(89.9)
2.80	(71.1)		114	0.20	(5.1)	3.53	(89.7)
2.79	(70.9)		116	0.19	(4.8)	3.52	(89.4)
2.78	(70.6)		118	0.18	(4.6)	3.51	(89.2)
2.77	(70.4)		120	0.17	(4.3)	3.50	(88.9)

Undercarriage Code: 1755

Track Shoes

Extreme Service





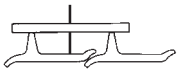


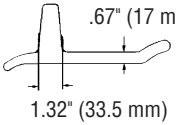
Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
3.10	(78.5)	0	0	3.80	(96.5)
3.00	(76.0)	7	5	3.70	(94.0)
2.90	(73.5)	14	10	3.60	(91.4)
2.80	(71.0)	21	15	3.50	(88.9)
2.70	(68.5)	28	20	3.40	(86.4)
2.60	(66.0)	35	25	3.30	(83.8)
2.50	(63.5)	42	30	3.20	(81.3)
2.40	(61.0)	49	35	3.10	(78.7)
2.30	(58.5)	56	40	3.00	(76.2)
2.20	(56.0)	63	45	2.90	(73.7)
2.10	(53.5)	70	50	2.80	(71.1)
2.00	(51.0)	77	55	2.70	(68.6)
1.90	(48.5)	84	60	2.60	(66.0)
1.80	(45.5)	91	65	2.50	(63.5)
1.70	(43.0)	94	70	2.40	(61.0)
1.60	(40.5)	97	75	2.30	(58.4)
1.50	(38.0)	100	80	2.20	(55.9)
1.40	(35.5)	103	84	2.10	(53.3)
1.30	(33.0)	106	88	2.00	(50.8)
1.20	(30.5)	109	92	1.90	(48.3)
1.10	(28.0)	112	96	1.80	(45.7)
1.00	(25.5)	115	100	1.70	(43.2)
0.90	(23.0)	118	104	1.60	(40.6)
0.80	(20.5)	121	108	1.50	(38.1)
0.70	(18.0)		112	1.40	(35.6)
0.60	(15.0)		116	1.30	(33.0)
0.50	(12.5)		120	1.20	(30.5)

Undercarriage Code: 1755

Track Shoes

Moderate Service





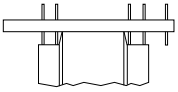


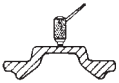
Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
3.00	(76.0)	0	0	3.65	(92.7)
2.90	(73.5)	7	5	3.55	(90.2)
2.80	(71.0)	14	10	3.45	(87.6)
2.70	(68.5)	21	15	3.35	(85.1)
2.60	(66.0)	28	20	3.25	(82.6)
2.50	(63.5)	35	25	3.15	(80.0)
2.40	(61.0)	42	30	3.05	(77.5)
2.30	(58.5)	49	35	2.95	(74.9)
2.20	(56.0)	56	40	2.85	(72.4)
2.10	(53.5)	63	45	2.75	(69.9)
2.00	(51.0)	70	50	2.65	(67.3)
1.90	(48.5)	76	55	2.55	(64.8)
1.80	(45.5)	82	60	2.45	(62.2)
1.70	(43.0)	88	65	2.35	(59.7)
1.60	(40.5)	94	70	2.25	(57.2)
1.50	(38.0)	100	75	2.15	(54.6)
1.40	(35.5)	106	80	2.05	(52.1)
1.30	(33.0)	112	85	1.95	(49.5)
1.20	(30.5)	118	90	1.85	(47.0)
1.10	(28.0)	124	95	1.75	(44.5)
1.00	(25.5)		100	1.65	(41.9)
0.90	(23.0)		104	1.55	(39.4)
0.80	(20.5)		108	1.45	(36.8)
0.70	(18.0)		112	1.35	(34.3)
0.60	(15.0)		116	1.25	(31.7)
0.50	(12.5)		120	1.15	(29.2)

Undercarriage Code: 1755

D8 — 9.00" (228.7 mm)

Idlers





Depth Gauge Inches	(mm)	% Worn
0.94	(24.0)	0
0.96	(24.5)	9
0.98	(25.0)	18
1.00	(25.5)	27
1.02	(26.0)	36
1.04	(26.5)	45
1.06	(27.0)	54
1.08	(27.5)	63
1.10	(28.0)	72
1.12	(28.5)	80
1.14	(29.0)	82
1.16	(29.5)	84
1.18	(30.0)	86
1.20	(30.5)	88
1.22	(31.0)	90
1.24	(31.5)	92
1.26	(32.0)	94
1.28	(32.5)	96
1.30	(33.0)	98
1.32	(33.5)	100
1.34	(34.0)	102
1.36	(34.5)	104
1.38	(35.0)	106
1.40	(35.5)	108
1.42	(36.0)	110
1.44	(36.5)	112
1.46	(37.0)	114
1.48	(37.5)	116
1.50	(38.0)	118
1.52	(38.5)	120

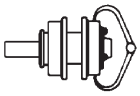
Flange width: 4.75" (120.7 mm)

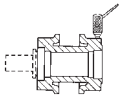
Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.49	(12.4)	0.00	(0.0)
0.47	(11.9)	0.02	(0.5)
0.45	(11.4)	0.04	(1.0)
0.43	(10.9)	0.06	(1.5)
0.41	(10.4)	0.08	(2.0)
0.39	(9.9)	0.10	(2.5)
0.37	(9.4)	0.12	(3.0)
0.35	(8.9)	0.14	(3.5)
0.33	(8.4)	0.16	(4.0)
0.31	(7.9)	0.18	(4.5)
0.29	(7.4)	0.20	(5.0)
0.27	(6.9)	0.22	(5.5)
0.25	(6.3)	0.24	(6.0)
0.23	(5.8)	0.26	(6.5)
0.21	(5.3)	0.28	(7.0)
0.19	(4.8)	0.30	(7.5)
0.17	(4.3)	0.32	(8.0)
0.15	(3.8)	0.34	(8.5)
0.13	(3.3)	0.36	(9.0)
0.11	(2.8)	0.38	(9.5)
0.09	(2.3)	0.40	(10.0)
0.07	(1.8)	0.42	(10.5)
0.05	(1.3)	0.44	(11.0)
0.03	(0.8)	0.46	(11.5)
0.01	(0.3)	0.48	(12.0)

NOTE: Ultrasonic measurement is to determine flange wear only.

Undercarriage Code: 1755

Carrier Rollers



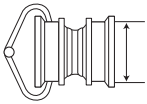


Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
7.50	(190.5)	0	1.92	(48.8)
7.46	(189.5)	8	1.90	(48.3)
7.42	(188.5)	16	1.88	(47.8)
7.38	(187.5)	24	1.86	(47.2)
7.34	(186.5)	32	1.84	(46.7)
7.30	(185.5)	40	1.82	(46.2)
7.26	(184.5)	48	1.80	(45.7)
7.22	(183.5)	56	1.78	(45.2)
7.18	(182.5)	64	1.76	(44.7)
7.14	(181.5)	72	1.74	(44.2)
7.10	(180.5)	80	1.72	(43.7)
7.06	(179.5)	82	1.70	(43.2)
7.02	(178.5)	84	1.68	(42.7)
6.98	(177.5)	86	1.66	(42.2)
6.94	(176.5)	88	1.64	(41.7)
6.90	(175.5)	90	1.62	(41.1)
6.86	(174.0)	92	1.60	(40.6)
6.82	(173.0)	94	1.58	(40.1)
6.78	(172.0)	96	1.56	(39.6)
6.74	(171.0)	98	1.54	(39.1)
6.70	(170.0)	100	1.52	(38.6)
6.66	(169.0)	102	1.50	(38.1)
6.62	(168.0)	104	1.48	(37.6)
6.58	(167.0)	106	1.46	(37.1)
6.54	(166.0)	108	1.44	(36.6)
6.50	(165.0)	110	1.42	(36.1)
6.46	(164.0)	112	1.40	(35.6)
6.42	(163.0)	114	1.38	(35.1)
6.38	(162.0)	116	1.36	(34.5)
6.34	(161.0)	118	1.34	(34.0)
6.30	(160.0)	120	1.32	(33.5)

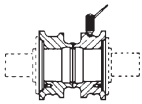
Undercarriage Code: 1755

D8 — 9.00" (228.7 mm)

Track Rollers







Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
10.00	(254.0)	0	0.87	(22.0)	2.37	(60.2)
9.96	(253.0)	4	0.89	(22.5)	2.35	(59.7)
9.92	(252.0)	8	0.91	(23.0)	2.33	(59.2)
9.88	(251.0)	12	0.93	(23.5)	2.31	(58.7)
9.84	(250.0)	16	0.95	(24.0)	2.29	(58.2)
9.80	(249.0)	20	0.97	(24.5)	2.27	(57.7)
9.76	(248.0)	24	0.99	(25.0)	2.25	(57.2)
9.72	(247.0)	28	1.01	(25.5)	2.23	(56.6)
9.68	(246.0)	32	1.03	(26.0)	2.21	(56.1)
9.64	(245.0)	36	1.05	(26.5)	2.19	(55.6)
9.60	(244.0)	40	1.07	(27.0)	2.17	(55.1)
9.56	(243.0)	44	1.09	(27.5)	2.15	(54.6)
9.52	(242.0)	48	1.11	(28.0)	2.13	(54.1)
9.48	(241.0)	52	1.13	(28.5)	2.11	(53.6)
9.44	(240.0)	56	1.15	(29.0)	2.09	(53.1)
9.40	(239.0)	60	1.17	(29.5)	2.07	(52.6)
9.36	(237.5)	64	1.19	(30.0)	2.05	(52.1)
9.32	(236.5)	68	1.21	(30.5)	2.03	(51.6)
9.28	(235.5)	72	1.23	(31.0)	2.01	(51.1)
9.24	(234.5)	76	1.25	(32.0)	1.99	(50.5)
9.20	(233.5)	80	1.27	(32.5)	1.97	(50.0)
9.16	(232.5)	84	1.29	(33.0)	1.95	(49.5)
9.12	(231.5)	88	1.31	(33.5)	1.93	(49.0)
9.08	(230.5)	92	1.33	(34.0)	1.91	(48.5)
9.04	(229.5)	96	1.35	(34.5)	1.89	(48.0)
9.00	(228.5)	100	1.37	(35.0)	1.87	(47.5)
8.96	(227.5)	102	1.39	(35.5)	1.85	(47.0)
8.92	(226.5)	104	1.41	(36.0)	1.83	(46.5)
8.88	(225.5)	106	1.43	(36.5)	1.81	(46.0)
8.84	(224.5)	108	1.45	(37.0)	1.79	(45.5)
8.80	(223.5)	110	1.47	(37.5)	1.77	(45.0)
8.76	(222.5)	112	1.49	(38.0)	1.75	(44.5)
8.72	(221.5)	114	1.51	(38.5)	1.73	(43.9)
8.68	(220.5)	116	1.53	(39.0)	1.71	(43.4)
8.64	(219.5)	118	1.55	(39.5)	1.69	(42.9)
8.60	(218.5)	120	1.57	(40.0)	1.67	(42.4)

Flange diameter is 11.75" (298.5 mm)

Undercarriage Code: 1755

Hydrostatic Loaders

Undercarriage Identification

The easiest way to identify track is to read the part number forged into the link. The following list cross references link part numbers to the correct wear chart pages.

Model	Pitch	Link Part Number	Wear Chart Pages
943	6.75" (171.5 mm)	7T4173 & 74	436-443
953	6.91" (175.5 mm)	7T4539 & 40	444-458
	7.50" (190.5 mm)	106-1625 & 26 229-6909 & 10	
963	8.00" (203.2 mm)	7T4645 & 46 195-6515 & 16	460-471
973	8.50" (215.9 mm)	6Y2593 & 94 7T4657 & 58 6I9239 & 40	472-486

Computer CTS Codes

Use the following undercarriage codes for computerized CTS:

Model	Undercarriage Code	Description
943	322	7T4173-4 Links - Rollers with Retainers
943	323	7T4173-4 Links - Rollers with End Collars
953	343	7T4539-40 Links - Rollers with Retainers
953	344	7T4539-40 Links - Rollers with End Collars
953	345	Rotating Bushing Track - 1061625-6 Links - Rollers with End Collars
953	346	953 - Hybrid Track - 2296909-10 Links - Rollers with End Collars
963	364	7T4645-6 Links
963	365	Rotating Bushing Track - 8E7405-06 Links
973	373	7T, 9W, 6Y Links - Rollers with Retainers
973	374	7T, 9W, 6Y Links - Rollers with End Collars
973	375	Rotating Bushing Track - 6I9239-40 Links - Rollers with End Collars

Variables That Affect Wear Life

See pages 11 through 25 for details on the effects of:

Page
Controllable Variables 11
Track Adjustment.....11
Shoe Width.....12
Alignment.....14
Non-Controllable Variables.....21
Soil & Underfoot Conditions.....21
Underfoot Conditions.....22
Partially Controllable Variables.....25

Components

Links

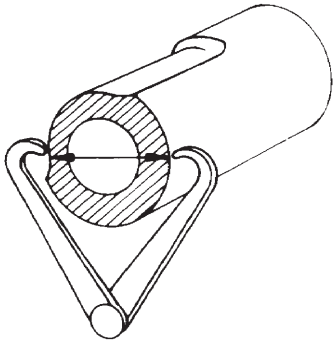
See pages 28 through 35 for detailed link information.

Measurement — Measure track links over the centerline of the pin and bushing bores. See page 28 for details on measuring links.

Split Master Links — Use the assembly procedures on page 33 for split master links. Refer to "Shoes" on the following page for bolt torque specifications.

Pins and Bushings

All hydrostatic loaders use Sealed and Lubricated Track. See pages 36 through 43 for details. The following points are specifically for hydrostatic loaders:



Measurement — Use the caliper or the Ultrasonic Wear Indicator to measure all three bushing contact sides: forward, reverse and vertical. Use the most worn position to make projections. It is necessary to measure all three bushing contact sides, because unlike track-type tractors, the vertical dimension is not usually the most worn dimension. In many applications, the reverse drive side wear is the greatest due to reverse operation with a loaded bucket and/or packing.

See details on measurement procedure on page 36.

The depth gauge should not be used before a bushing turn because it only measures vertical bushing wear. After a bushing turn the depth gauge can be used to approximate wear.

Dry Joints — See page 42 for dry joint inspection procedures and recommended service. If a dry joint is found, measure pitch extension over that one joint. Schedule service if the pitch exceeds these limits:

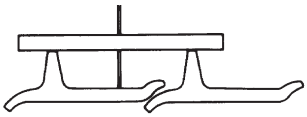
Dry Joint Wear Limit

Model	New Track Pitch	Single Joint Wear Limit
943	6.75" (171.5 mm)	7.25" (185 mm)
953	6.91" (175.5 mm) 7.50" (190.5 mm)	7.50" (190.5 mm)
963	8.00" (203.2 mm)	8.67" (220 mm)
973	8.50" (215.9 mm)	9.12" (232 mm)

COMPONENTS

Shoes

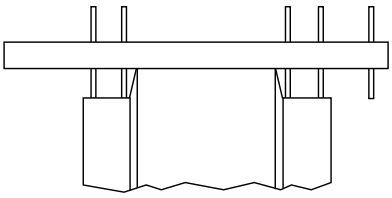
See pages 51 through 55 for detailed shoe information.



Measurement — Use the depth gauge or the Ultrasonic Wear Indicator to measure shoes.

Idlers

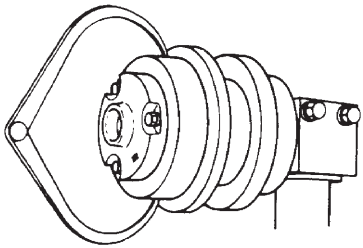
See pages 56 through 58 for detailed idler information.



Measurement — Use the depth gauge and the Ultrasonic Wear Indicator to measure idlers.

Carrier Rollers

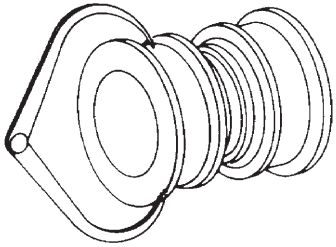
See pages 59 through 60 for detailed carrier roller information.

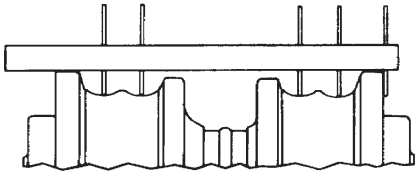


Measurement — Use the caliper or the Ultrasonic Wear Indicator to measure carrier rollers.

Track Rollers

See pages 61 through 65 for detailed track roller information. The following points are specifically for hydrostatic loaders.





Measurement — Track rollers can be measured with either a depth gauge, a caliper or the Ultrasonic Wear Indicator.

Shoe & Master Link Bolt Torques

Model	Bolt Size	Torque*	Additional Turn Regular Shoe	Additional Turn Master Link Master Shoe
943 953	5/8"	120 ± 30 ft. lb. 170 ± 40 Nm	+1/3 turn	+1/2 turn
963 973	3/4"	220 ± 40 ft. lb. 300 ± 50 Nm	+1/3 turn	+1/2 turn
973	7/8"	250 ± 50 ft. lb. 340 ± 70 Nm	+1/3 turn	+1/2 turn

*Use the assembly and torque turn tightening procedures on pages 33 and 55.

For instructions on how to make measurements see pages 61 - 62.

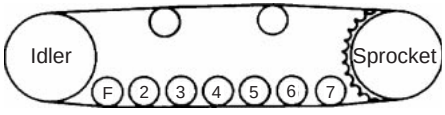
The rear two rollers on machines equipped with sprocket guards can only be measured in the field with the Ultrasonic Wear Indicator. These rollers are critical because they are often the most worn. It is important to measure all rollers whenever the track is removed for service to determine if a swap is needed.

Roller Swapping — Higher track speeds, increased debris entry between the sprocket and roller frame and rear mounted engine all contribute to increased rear roller wear on hydrostatic loaders. Machines with unbalanced roller wear may benefit from a roller swap. Use the roller swap guidelines on page 64 to determine if a swap would be beneficial. Swapping at the bushing turn time may extend roller service life to the link service point reducing downtime and customer cost-per-hour.

Sprocket and Idler Guards — Sprocket and idler guards can extend roller life and other components life. See discussion later in this section for details.

Roller Flange Sequence

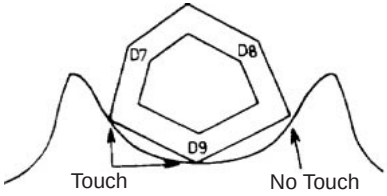
From the chart which follows, you will note that the rear roller (the roller nearest the sprocket) is a single flange roller. If a double flange roller were used as the rear roller, interference could occur between the inner flange and the sprocket teeth. Therefore, a double flange roller should NOT usually be placed in the rear position.



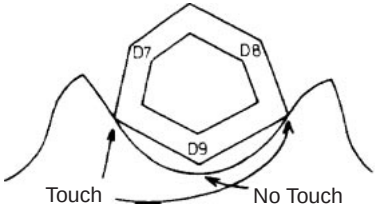
Model	Rollers Per Side	Roller Position F	2	3	4	5	6	7
943	6	S	D	S	S	D	S	
953	6	S	D	S	S	D	S	
963	6	S	D	D	S	D	S	
973	7	S	D	D	S	D	D	S

Sprockets

See pages 66 through 70 for detailed sprocket information. The following points are specifically for hydrostatic loaders:



Do not reuse sprocket with turned (or replaced) bushings



OK to use sprocket with turned (or replaced) bushings

Measurement — Use the appropriate sprocket reuse indicator gauge (973 — 5P8617; 943, 953, 963 — 5P8616) to determine reusability.

All new and many older hydrostatic loaders are equipped with sprocket guards to reduce the entry of abrasives. Sprockets on these machines cannot be measured in the field. They should be inspected whenever the track is removed for service. Sprocket wear is seldom a critical item. Therefore sprockets can be inspected at service without affecting undercarriage management decisions.

Sprocket Bolt Torque Specifications

Model	Bolt Size	Torque	Additional Turn
943	5/8"	130 ± 30 ft. lb. 175 ± 40 Nm	+1/3 turn
953	M16	130 ± 30 ft. lb. 175 ± 40 Nm	+1/3 turn
963	5/8"	130 ± 30 ft. lb. 175 ± 40 Nm	+1/3 turn
973	3/4"	220 ± 40 ft. lb. 300 ± 50 Nm	+1/3 turn

Use the torque-turn tightening method on page 70.

Guards

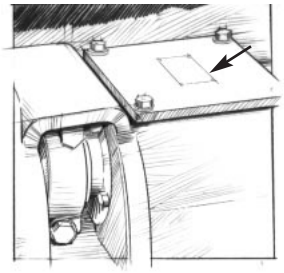
See page 71 for detailed information on track guiding guards and track roller guards.

Sprocket Guards — Sprocket guards shield undercarriage components and reduce the area between the sprocket and roller frame where underfoot material can enter and/or build up. The reduction of material entering the undercarriage system decreases sprocket, bushing, link and track roller wear. Sprocket guards are now standard on new machines and can be retrofitted to earlier hydrostatic loaders. Sprocket guards are most effective in abrasive and high packing conditions.

Idler Guards — Idler Guards enclose the open area behind the idler protecting the idler, recoil rod and link assembly from increased wear caused by entrapped underfoot material.

Idler guards are an attachment on new machines and can be retrofitted to earlier hydrostatic loaders. These guards are most effective in demolition debris, rock conditions and sanitary landfill (all with 1" to 4" size material).

Track Adjustment



⚠ WARNING

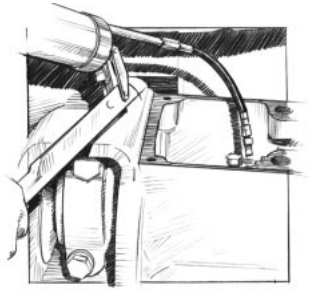
Grease is under high pressure.

Grease coming out of the relief valve under pressure can penetrate the body causing injury or death.

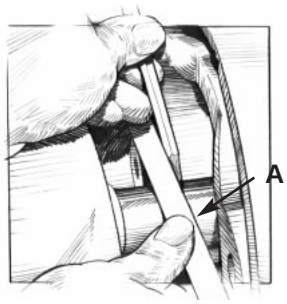
Do not watch the relief valve to see if grease is escaping. Watch the track or track adjustment cylinder to see if the track is being loosened.

1 Move the machine a distance of two times its length. Bring the machine to a slow stop. Shut off engine.

2 Remove the cover for the track adjusting mechanism.



3 Add grease with a grease gun to move the idler forward until the track is fully tight.

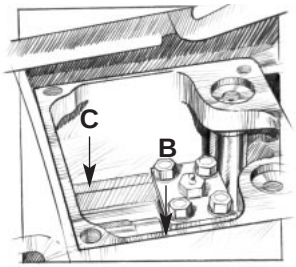


4 Use a straight edge against face and make a mark on the rod with a pencil or marking pen even with face.



5 Mark the rod .4" (10 mm) toward the idler from the first mark. Open the relief valve and let the idler move back until the second mark is behind face (A). Close the relief valve.

The resulting reference sag should be about 2" (50 mm) on these models.



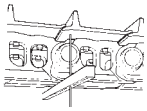
6 Use the grease gun and move the idler forward until the second mark is even with face (A).

Note: As track link and rolling components wear approaches service limits, the distance between piston, B (or flange on 963, 973) and recoil housing, C, increases. When this exceeds 2" or 50 mm (2.36" or 60 mm on 963 and 973) consult a Caterpillar Service Manual or call your Caterpillar dealer for idler repositioning procedures.

NOTES

Track Links

7T4173 & 74

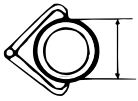


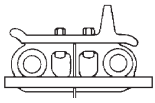


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
3.98	(101.0)	0	1.24	(31.5)
3.96	(100.5)	6	1.22	(31.0)
3.94	(100.0)	12	1.20	(30.5)
3.92	(99.5)	18	1.18	(30.0)
3.90	(99.0)	24	1.16	(29.5)
3.88	(98.5)	30	1.14	(29.0)
3.86	(98.0)	36	1.12	(28.4)
3.84	(97.5)	42	1.10	(27.9)
3.82	(97.0)	48	1.08	(27.4)
3.80	(96.5)	54	1.06	(26.9)
3.78	(96.0)	60	1.04	(26.4)
3.76	(95.5)	65	1.02	(25.9)
3.74	(95.0)	70	1.00	(25.4)
3.72	(94.5)	75	0.98	(24.9)
3.70	(94.0)	80	0.96	(24.4)
3.68	(93.5)	85	0.94	(23.9)
3.66	(93.0)	90	0.92	(23.4)
3.64	(92.5)	95	0.90	(22.9)
3.62	(92.0)	100	0.88	(22.4)
3.60	(91.5)	105	0.86	(21.8)
3.58	(91.0)	110	0.84	(21.3)
3.56	(90.5)	115	0.82	(20.8)
3.54	(90.0)	120	0.80	(20.3)

Undercarriage Code: 322, 323

Bushings for Sealed & Lubricated Track





Caliper		Allowable Wear		Ultrasonic		Depth Gauge	
		Lesser	Greater				
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
2.24	(56.9)	0	0	0.44	(11.2)	2.81	(71.4)
2.23	(56.6)	6	5	0.43	(10.9)	2.80	(71.1)
2.22	(56.4)	12	10	0.42	(10.7)	2.79	(70.9)
2.21	(56.1)	18	15	0.41	(10.4)	2.78	(70.6)
2.20	(55.9)	24	20	0.40	(10.2)	2.77	(70.4)
2.19	(55.6)	30	25	0.39	(9.9)	2.76	(70.1)
2.18	(55.4)	36	30	0.38	(9.7)	2.75	(69.9)
2.17	(55.1)	42	35	0.37	(9.4)	2.74	(69.6)
2.16	(54.9)	48	40	0.36	(9.1)	2.73	(69.3)
2.15	(54.6)	54	45	0.35	(8.9)	2.72	(69.1)
2.14	(54.4)	60	50	0.34	(8.6)	2.71	(68.8)
2.13	(54.1)	64	55	0.33	(8.4)	2.70	(68.6)
2.12	(53.8)	67	58	0.32	(8.1)	2.69	(68.3)
2.11	(53.6)	70	60	0.31	(7.9)	2.68	(68.1)
2.10	(53.3)	73	62	0.30	(7.6)	2.67	(67.8)
2.09	(53.1)	76	64	0.29	(7.4)	2.66	(67.6)
2.08	(52.8)	79	66	0.28	(7.1)	2.65	(67.3)
2.07	(52.6)	82	68	0.27	(6.9)	2.64	(67.1)
2.06	(52.3)	85	70	0.26	(6.6)	2.63	(66.8)
2.05	(52.1)	88	72	0.25	(6.4)	2.62	(66.5)
2.04	(51.8)	91	74	0.24	(6.1)	2.61	(66.3)
2.03	(51.6)	94	76	0.23	(5.8)	2.60	(66.0)
2.02	(51.3)	97	78	0.22	(5.6)	2.59	(65.8)
2.01	(51.1)	100	80	0.21	(5.3)	2.58	(65.5)
2.00	(50.8)	103	82	0.20	(5.1)	2.57	(65.3)
1.99	(50.5)	106	84	0.19	(4.8)	2.56	(65.0)
1.98	(50.3)	109	86	0.18	(4.6)	2.55	(64.8)
1.97	(50.0)	112	88	0.17	(4.3)	2.54	(64.5)
1.96	(49.8)	115	90	0.16	(4.1)	2.53	(64.3)
1.95	(49.5)	118	92	0.15	(3.8)	2.52	(64.0)
1.94	(49.3)	121	94	0.14	(3.6)	2.51	(63.8)
1.93	(49.0)		96	0.13	(3.3)	2.50	(63.5)
1.92	(48.8)		98	0.12	(3.0)	2.49	(63.2)
1.91	(48.5)		100	0.11	(2.8)	2.48	(63.0)
1.90	(48.3)		102	0.10	(2.5)	2.47	(62.7)
1.89	(48.0)		104	0.09	(2.3)	2.46	(62.5)
1.88	(47.8)		106	0.08	(2.0)	2.45	(62.2)
1.87	(47.5)		108	0.07	(1.8)	2.44	(62.0)
1.86	(47.2)		110	0.06	(1.5)	2.43	(61.7)
1.85	(47.0)		112	0.05	(1.3)	2.42	(61.5)
1.84	(46.7)		114	0.04	(1.0)	2.41	(61.2)
1.83	(46.5)		116	0.03	(0.8)	2.40	(61.0)
1.82	(46.2)		118	0.02	(0.5)	2.39	(60.7)
1.81	(46.0)		120	0.01	(0.3)	2.38	(60.5)

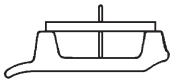
CAUTION — DO NOT USE DEPTH GAUGE UNTIL BUSHINGS HAVE BEEN "TURNED."

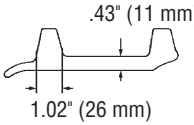
Undercarriage Code: 322, 323

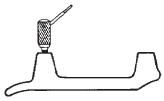
943 — 6.75" (171.5 mm)

Track Shoes

Double Grouser





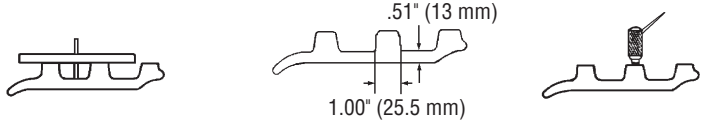


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.45	(37.0)	0	1.90	(48.3)
1.40	(35.5)	6	1.85	(47.0)
1.35	(34.5)	12	1.80	(45.7)
1.30	(33.0)	18	1.75	(44.5)
1.25	(32.0)	24	1.70	(43.2)
1.20	(30.5)	30	1.65	(41.9)
1.15	(29.0)	35	1.60	(40.6)
1.10	(28.0)	40	1.55	(39.4)
1.05	(26.5)	45	1.50	(38.1)
1.00	(25.5)	50	1.45	(36.8)
0.95	(24.0)	55	1.40	(35.6)
0.90	(23.0)	60	1.35	(34.3)
0.85	(21.5)	65	1.30	(33.0)
0.80	(20.5)	70	1.25	(31.8)
0.75	(19.0)	75	1.20	(30.5)
0.70	(18.0)	80	1.15	(29.2)
0.65	(16.5)	85	1.10	(27.9)
0.60	(15.0)	90	1.05	(26.7)
0.55	(14.0)	95	1.00	(25.4)
0.50	(12.5)	100	0.95	(24.1)
0.45	(11.5)	105	0.90	(22.9)
0.40	(10.0)	110	0.85	(21.6)
0.35	(9.0)	115	0.80	(20.3)
0.30	(7.5)	120	0.75	(19.1)

Undercarriage Code: 322, 323

Track Shoes

Triple Grouser

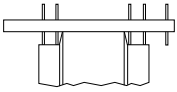


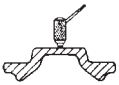
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
0.95	(24.0)	0	1.50	(38.1)
0.90	(23.0)	8	1.45	(36.8)
0.85	(21.5)	16	1.40	(35.6)
0.80	(20.5)	23	1.35	(34.3)
0.75	(19.0)	30	1.30	(33.0)
0.70	(18.0)	37	1.25	(31.8)
0.65	(16.5)	44	1.20	(30.5)
0.60	(15.0)	51	1.15	(29.2)
0.55	(14.0)	58	1.10	(27.9)
0.50	(12.5)	65	1.05	(26.7)
0.45	(11.5)	72	1.00	(25.4)
0.40	(10.0)	79	0.95	(24.1)
0.35	(9.0)	86	0.90	(22.9)
0.30	(7.5)	93	0.85	(21.6)
0.25	(6.5)	100	0.80	(20.3)
0.20	(5.0)	107	0.75	(19.1)
0.15	(4.0)	114	0.70	(17.8)
0.10	(2.5)	121	0.65	(16.5)

Undercarriage Code: 322, 323

943 — 6.75" (171.5 mm)

Idlers





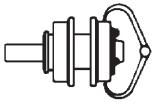
Depth Gauge Inches	(mm)	% Worn
0.66	(17.0)	0
0.68	(17.5)	8
0.70	(18.0)	16
0.72	(18.5)	24
0.74	(19.0)	32
0.76	(19.5)	40
0.78	(20.0)	48
0.80	(20.5)	56
0.82	(21.0)	64
0.84	(21.5)	72
0.86	(22.0)	76
0.88	(22.5)	79
0.90	(23.0)	82
0.92	(23.5)	85
0.94	(24.0)	88
0.96	(24.5)	91
0.98	(25.0)	94
1.00	(25.5)	97
1.02	(26.0)	100
1.04	(26.5)	103
1.06	(27.0)	106
1.08	(27.5)	109
1.10	(28.0)	112
1.12	(28.5)	115
1.14	(29.0)	118
1.16	(29.5)	121

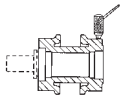
Flange width: 2.70" (68.5 mm)

Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.36	(9.1)	0.00	(0.0)
0.34	(8.6)	0.02	(0.5)
0.32	(8.1)	0.04	(1.0)
0.30	(7.6)	0.06	(1.5)
0.28	(7.1)	0.08	(2.0)
0.26	(6.6)	0.10	(2.5)
0.24	(6.1)	0.12	(3.0)
0.22	(5.6)	0.14	(3.5)
0.20	(5.1)	0.16	(4.0)
0.18	(4.6)	0.18	(4.5)
0.16	(4.1)	0.20	(5.0)
0.14	(3.6)	0.22	(5.5)
0.12	(3.0)	0.24	(6.0)
0.10	(2.5)	0.26	(6.5)
0.08	(2.0)	0.28	(7.0)
0.06	(1.5)	0.30	(7.5)
0.04	(1.0)	0.32	(8.0)
0.02	(0.5)	0.34	(8.5)

NOTE: Ultrasonic measurement is to determine flange wear only.

Carrier Rollers



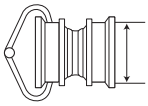


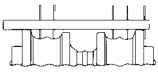
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
6.26	(159.0)	0	1.63	(41.4)
6.20	(157.5)	7	1.60	(40.6)
6.14	(156.0)	14	1.57	(39.9)
6.08	(154.5)	21	1.54	(39.1)
6.02	(153.0)	28	1.51	(38.4)
5.96	(151.5)	35	1.48	(37.6)
5.90	(150.0)	42	1.45	(36.8)
5.84	(148.5)	49	1.42	(36.1)
5.78	(147.0)	56	1.39	(35.3)
5.72	(145.5)	63	1.36	(34.5)
5.66	(144.0)	70	1.33	(33.8)
5.60	(142.0)	77	1.30	(33.0)
5.54	(140.5)	84	1.27	(32.3)
5.48	(139.0)	88	1.24	(31.5)
5.42	(137.5)	92	1.21	(30.7)
5.36	(136.0)	96	1.18	(30.0)
5.30	(134.5)	100	1.15	(29.2)
5.24	(133.0)	104	1.12	(28.4)
5.18	(131.5)	108	1.09	(27.7)
5.12	(130.0)	112	1.06	(26.9)
5.06	(128.5)	116	1.03	(26.2)
5.00	(127.0)	120	1.00	(25.4)

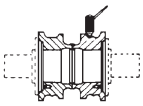
Undercarriage Code: 322, 323

Track Roller

Rollers with End Collars







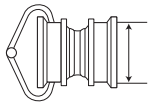
Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
6.89	(175.0)	0	0.47	(12.0)	1.44	(36.6)
6.85	(174.0)	4	0.49	(12.5)	1.42	(36.1)
6.81	(173.0)	8	0.51	(13.0)	1.40	(35.6)
6.77	(172.0)	12	0.53	(13.5)	1.38	(35.1)
6.73	(171.0)	16	0.55	(14.0)	1.36	(34.5)
6.69	(170.0)	20	0.57	(14.5)	1.34	(34.0)
6.65	(169.0)	24	0.59	(15.0)	1.32	(33.5)
6.61	(168.0)	28	0.61	(15.5)	1.30	(33.0)
6.57	(167.0)	32	0.63	(16.0)	1.28	(32.5)
6.53	(166.0)	36	0.65	(16.5)	1.26	(32.0)
6.49	(165.0)	40	0.67	(17.0)	1.24	(31.5)
6.45	(164.0)	43	0.69	(17.5)	1.22	(31.0)
6.41	(163.0)	46	0.71	(18.0)	1.20	(30.5)
6.37	(162.0)	49	0.73	(18.5)	1.18	(30.0)
6.33	(161.0)	52	0.75	(19.0)	1.16	(29.5)
6.29	(160.0)	55	0.77	(19.5)	1.14	(29.0)
6.25	(159.0)	58	0.79	(20.0)	1.12	(28.4)
6.21	(157.5)	61	0.81	(20.5)	1.10	(27.9)
6.17	(156.5)	64	0.83	(21.0)	1.08	(27.4)
6.13	(155.5)	67	0.85	(21.5)	1.06	(26.9)
6.09	(154.5)	70	0.87	(22.0)	1.04	(26.4)
6.05	(153.5)	73	0.89	(22.5)	1.02	(25.9)
6.01	(152.5)	76	0.91	(23.0)	1.00	(25.4)
5.97	(151.5)	79	0.93	(23.5)	0.98	(24.9)
5.93	(150.5)	82	0.95	(24.0)	0.96	(24.4)
5.89	(149.5)	85	0.97	(24.5)	0.94	(23.9)
5.85	(148.5)	88	0.99	(25.0)	0.92	(23.4)
5.81	(147.5)	91	1.01	(25.5)	0.90	(22.9)
5.77	(146.5)	94	1.03	(26.0)	0.88	(22.4)
5.73	(145.5)	97	1.05	(26.5)	0.86	(21.8)
5.69	(144.5)	100	1.07	(27.0)	0.84	(21.3)
5.65	(143.5)	103	1.09	(27.5)	0.82	(20.8)
5.61	(142.5)	106	1.11	(28.0)	0.80	(20.3)
5.57	(141.5)	109	1.13	(28.5)	0.78	(19.8)
5.53	(140.5)	112	1.15	(29.0)	0.76	(19.3)
5.49	(139.5)	115	1.17	(29.5)	0.74	(18.8)
5.45	(138.5)	118	1.19	(30.0)	0.72	(18.3)
5.41	(137.5)	121	1.21	(30.5)	0.70	(17.8)

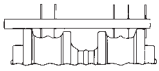
Flange diameter is 7.83" (199 mm)

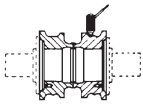
Undercarriage Code: 323

Track Rollers

Rollers with Retainers







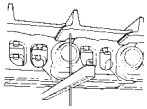
Caliper Inches	Caliper (mm)	% Worn	Depth Gauge Inches	Depth Gauge (mm)	Ultrasonic Inches	Ultrasonic (mm)
6.89	(175.0)	0	0.47	(12.0)	1.55	(39.4)
6.85	(174.0)	4	0.49	(12.5)	1.53	(38.9)
6.81	(173.0)	8	0.51	(13.0)	1.51	(38.4)
6.77	(172.0)	12	0.53	(13.5)	1.49	(37.8)
6.73	(171.0)	16	0.55	(14.0)	1.47	(37.3)
6.69	(170.0)	20	0.57	(14.5)	1.45	(36.8)
6.65	(169.0)	24	0.59	(15.0)	1.43	(36.3)
6.61	(168.0)	28	0.61	(15.5)	1.41	(35.8)
6.57	(167.0)	32	0.63	(16.0)	1.39	(35.3)
6.53	(166.0)	36	0.65	(16.5)	1.37	(34.8)
6.49	(165.0)	40	0.67	(17.0)	1.35	(34.3)
6.45	(164.0)	43	0.69	(17.5)	1.33	(33.8)
6.41	(163.0)	46	0.71	(18.0)	1.31	(33.3)
6.37	(162.0)	49	0.73	(18.5)	1.29	(32.8)
6.33	(161.0)	52	0.75	(19.0)	1.27	(32.3)
6.29	(160.0)	55	0.77	(19.5)	1.25	(31.8)
6.25	(159.0)	58	0.79	(20.0)	1.23	(31.2)
6.21	(157.5)	61	0.81	(20.5)	1.21	(30.7)
6.17	(156.5)	64	0.83	(21.0)	1.19	(30.2)
6.13	(155.5)	67	0.85	(21.5)	1.17	(29.7)
6.09	(154.5)	70	0.87	(22.0)	1.15	(29.2)
6.05	(153.5)	73	0.89	(22.5)	1.13	(28.7)
6.01	(152.5)	76	0.91	(23.0)	1.11	(28.2)
5.97	(151.5)	79	0.93	(23.5)	1.09	(27.7)
5.93	(150.5)	82	0.95	(24.0)	1.07	(27.2)
5.89	(149.5)	85	0.97	(24.5)	1.05	(26.7)
5.85	(148.5)	88	0.99	(25.0)	1.03	(26.2)
5.81	(147.5)	91	1.01	(25.5)	1.01	(25.7)
5.77	(146.5)	94	1.03	(26.0)	0.99	(25.1)
5.73	(145.5)	97	1.05	(26.5)	0.97	(24.6)
5.69	(144.5)	100	1.07	(27.0)	0.95	(24.1)
5.65	(143.5)	103	1.09	(27.5)	0.93	(23.6)
5.61	(142.5)	106	1.11	(28.0)	0.91	(23.1)
5.57	(141.5)	109	1.13	(28.5)	0.89	(22.6)
5.53	(140.5)	112	1.15	(29.0)	0.87	(22.1)
5.49	(139.5)	115	1.17	(29.5)	0.85	(21.6)
5.45	(138.5)	118	1.19	(30.0)	0.83	(21.1)
5.41	(137.5)	121	1.21	(30.5)	0.81	(20.6)

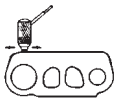
Flange diameter is 7.80" (198 mm)

Undercarriage Code: 322

Track Links

Hybrid Track
229-6909 & 10
7.50" (190.5 mm) Pitch



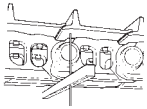


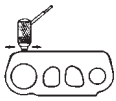
Depth Gauge			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
4.48	(114.0)	0	1.43	(36.3)
4.46	(113.5)	5	1.41	(35.8)
4.44	(113.0)	10	1.39	(35.3)
4.42	(112.5)	15	1.37	(34.8)
4.40	(112.0)	20	1.35	(34.3)
4.38	(111.5)	25	1.33	(33.8)
4.36	(110.5)	30	1.31	(33.3)
4.34	(110.0)	35	1.29	(32.8)
4.32	(109.5)	40	1.27	(32.3)
4.30	(109.0)	45	1.25	(31.8)
4.28	(108.5)	50	1.23	(31.2)
4.26	(108.0)	55	1.21	(30.7)
4.24	(107.5)	60	1.19	(30.2)
4.22	(107.0)	65	1.17	(29.7)
4.20	(106.5)	70	1.15	(29.2)
4.18	(106.0)	75	1.13	(28.7)
4.16	(105.5)	80	1.11	(28.2)
4.14	(105.0)	84	1.09	(27.7)
4.12	(104.5)	88	1.07	(27.2)
4.10	(104.0)	92	1.05	(26.7)
4.08	(103.5)	96	1.03	(26.2)
4.06	(103.0)	100	1.01	(25.7)
4.04	(102.5)	104	0.99	(25.1)
4.02	(102.0)	108	0.97	(24.6)
4.00	(101.5)	112	0.95	(24.1)
3.98	(101.0)	116	0.93	(23.6)
3.96	(100.5)	120	0.91	(23.1)

Undercarriage Code: 346

Track Links

7T4539 & 40
6.91" (175.5 mm) Pitch



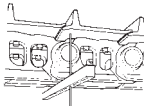


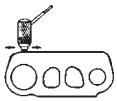
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
4.29	(109.0)	0	1.45	(36.8)
4.27	(108.5)	5	1.43	(36.3)
4.25	(108.0)	10	1.41	(35.8)
4.23	(107.5)	15	1.39	(35.3)
4.21	(107.0)	20	1.37	(34.8)
4.19	(106.5)	25	1.35	(34.3)
4.17	(106.0)	30	1.33	(33.8)
4.15	(105.5)	35	1.31	(33.3)
4.13	(105.0)	40	1.29	(32.8)
4.11	(104.5)	45	1.27	(32.3)
4.09	(104.0)	50	1.25	(31.8)
4.07	(103.5)	55	1.23	(31.2)
4.05	(103.0)	60	1.21	(30.7)
4.03	(102.5)	65	1.19	(30.2)
4.01	(102.0)	70	1.17	(29.7)
3.99	(101.5)	75	1.15	(29.2)
3.97	(101.0)	80	1.13	(28.7)
3.95	(100.5)	84	1.11	(28.2)
3.93	(100.0)	88	1.09	(27.7)
3.91	(99.5)	92	1.07	(27.2)
3.89	(99.0)	96	1.05	(26.7)
3.87	(98.5)	100	1.03	(26.2)
3.85	(98.0)	104	1.01	(25.7)
3.83	(97.5)	108	0.99	(25.1)
3.81	(97.0)	112	0.97	(24.6)
3.79	(96.5)	116	0.95	(24.1)
3.77	(96.0)	120	0.93	(23.6)

Undercarriage Code: 343, 344

Track Links

Rotating Bushing Track
7.50" (190.5 mm) Pitch
1061625 & 26





Depth Gauge			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
4.68	(119.0)	0	1.53	(38.9)
4.66	(118.5)	5	1.51	(38.4)
4.64	(118.0)	10	1.49	(37.8)
4.62	(117.5)	15	1.47	(37.3)
4.60	(117.0)	20	1.45	(36.8)
4.58	(116.5)	25	1.43	(36.3)
4.56	(116.0)	30	1.41	(35.8)
4.54	(115.5)	35	1.39	(35.3)
4.52	(115.0)	40	1.37	(34.8)
4.50	(114.5)	45	1.35	(34.3)
4.48	(114.0)	50	1.33	(33.8)
4.46	(113.5)	55	1.31	(33.3)
4.44	(113.0)	60	1.29	(32.8)
4.42	(112.5)	64	1.27	(32.3)
4.40	(112.0)	68	1.25	(31.8)
4.38	(111.5)	72	1.23	(31.2)
4.36	(110.5)	76	1.21	(30.7)
4.34	(110.0)	80	1.19	(30.2)
4.32	(109.5)	84	1.17	(29.7)
4.30	(109.0)	88	1.15	(29.2)
4.28	(108.5)	92	1.13	(28.7)
4.26	(108.0)	96	1.11	(28.2)
4.24	(107.5)	100	1.09	(27.7)
4.22	(107.0)	104	1.07	(27.2)
4.20	(106.5)	108	1.05	(26.7)
4.18	(106.0)	112	1.03	(26.2)
4.16	(105.5)	116	1.01	(25.7)
4.14	(105.0)	120	0.99	(25.1)

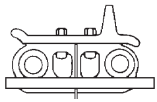
Undercarriage Code: 345

Bushings for Sealed & Lubricated Track

Hybrid Track
7.50" (190.5 mm) Pitch







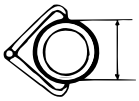
Caliper		Allowable Wear		Ultrasonic		Depth Gauge	
		Lesser	Greater				
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
2.53	(64.3)	0	0	0.52	(13.2)	3.11	(79.0)
2.52	(64.0)	5	4	0.51	(13.0)	3.10	(78.7)
2.51	(63.8)	10	8	0.50	(12.7)	3.09	(78.5)
2.50	(63.5)	15	12	0.49	(12.4)	3.08	(78.2)
2.49	(63.2)	20	16	0.48	(12.2)	3.07	(78.0)
2.48	(63.0)	25	20	0.47	(11.9)	3.06	(77.7)
2.47	(62.7)	30	24	0.46	(11.7)	3.05	(77.5)
2.46	(62.5)	35	28	0.45	(11.4)	3.04	(77.2)
2.45	(62.2)	40	32	0.44	(11.2)	3.03	(77.0)
2.44	(62.0)	45	36	0.43	(10.9)	3.02	(76.7)
2.43	(61.7)	50	40	0.42	(10.7)	3.01	(76.5)
2.42	(61.5)	55	42	0.41	(10.4)	3.00	(76.2)
2.41	(61.2)	60	44	0.40	(10.2)	2.99	(75.9)
2.40	(61.0)	65	46	0.39	(9.9)	2.98	(75.7)
2.39	(60.7)	68	48	0.38	(9.7)	2.97	(75.4)
2.38	(60.5)	70	50	0.37	(9.4)	2.96	(75.2)
2.37	(60.2)	72	52	0.36	(9.1)	2.95	(74.9)
2.36	(59.9)	74	54	0.35	(8.9)	2.94	(74.7)
2.35	(59.7)	76	56	0.34	(8.6)	2.93	(74.4)
2.34	(59.4)	78	58	0.33	(8.4)	2.92	(74.2)
2.33	(59.2)	80	60	0.32	(8.1)	2.91	(73.9)
2.32	(58.9)	82	62	0.31	(7.9)	2.90	(73.7)
2.31	(58.7)	84	64	0.30	(7.6)	2.89	(73.4)
2.30	(58.4)	86	66	0.29	(7.4)	2.88	(73.2)
2.29	(58.2)	88	68	0.28	(7.1)	2.87	(72.9)
2.28	(57.9)	90	70	0.27	(6.9)	2.86	(72.6)
2.27	(57.7)	92	72	0.26	(6.6)	2.85	(72.4)
2.26	(57.4)	94	74	0.25	(6.3)	2.84	(72.1)
2.25	(57.2)	96	76	0.24	(6.1)	2.83	(71.9)
2.24	(56.9)	98	78	0.23	(5.8)	2.82	(71.6)
2.23	(56.6)	100	80	0.22	(5.6)	2.81	(71.4)
2.22	(56.4)	102	82	0.21	(5.3)	2.80	(71.1)
2.21	(56.1)	104	84	0.20	(5.1)	2.79	(70.9)
2.20	(55.9)	106	86	0.19	(4.8)	2.78	(70.6)
2.19	(55.6)	108	88	0.18	(4.6)	2.77	(70.4)
2.18	(55.4)	110	90	0.17	(4.3)	2.76	(70.1)
2.17	(55.1)	112	92	0.16	(4.1)	2.75	(69.9)
2.16	(54.9)	114	94	0.15	(3.8)	2.74	(69.6)
2.15	(54.6)	116	96	0.14	(3.6)	2.73	(69.3)
2.14	(54.4)	118	98	0.13	(3.3)	2.72	(69.1)
2.13	(54.1)	120	100	0.12	(3.0)	2.71	(68.8)
2.12	(53.8)		102	0.11	(2.8)	2.70	(68.6)
2.11	(53.6)		104	0.10	(2.5)	2.69	(68.3)
2.10	(53.3)		106	0.09	(2.3)	2.68	(68.1)
2.09	(53.1)		108	0.08	(2.0)	2.67	(67.8)
2.08	(52.8)		110	0.07	(1.8)	2.66	(67.6)
2.07	(52.6)		112	0.06	(1.5)	2.65	(67.3)
2.06	(52.3)		114	0.05	(1.3)	2.64	(67.1)
2.05	(52.1)		116	0.04	(1.0)	2.63	(66.8)
2.04	(51.8)		118	0.03	(0.8)	2.62	(66.5)
2.03	(51.6)		120	0.02	(0.5)	2.61	(66.3)

CAUTION — DO NOT USE DEPTH GAUGE UNTIL BUSHINGS HAVE BEEN "TURNED."

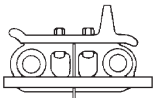
Undercarriage Code: 346

Bushings for Sealed & Lubricated Track

6.91" (175.5 mm) Pitch







Caliper		Allowable Wear Lesser	Allowable Wear Greater	Ultrasonic		Depth Gauge	
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
2.44	(62.0)	0	0	0.48	(12.2)	2.90	(73.7)
2.43	(61.7)	5	4	0.47	(11.9)	2.89	(73.4)
2.42	(61.5)	10	8	0.46	(11.7)	2.88	(73.2)
2.41	(61.2)	15	12	0.45	(11.4)	2.87	(72.9)
2.40	(61.0)	20	16	0.44	(11.2)	2.86	(72.6)
2.39	(60.7)	25	20	0.43	(10.9)	2.85	(72.4)
2.38	(60.5)	30	24	0.42	(10.7)	2.84	(72.1)
2.37	(60.2)	35	28	0.41	(10.4)	2.83	(71.9)
2.36	(59.9)	40	32	0.40	(10.2)	2.82	(71.6)
2.35	(59.7)	45	36	0.39	(9.9)	2.81	(71.4)
2.34	(59.4)	50	40	0.38	(9.7)	2.80	(71.1)
2.33	(59.2)	55	44	0.37	(9.4)	2.79	(70.9)
2.32	(58.9)	60	48	0.36	(9.1)	2.78	(70.6)
2.31	(58.7)	64	52	0.35	(8.9)	2.77	(70.4)
2.30	(58.4)	67	56	0.34	(8.6)	2.76	(70.1)
2.29	(58.2)	70	60	0.33	(8.4)	2.75	(69.9)
2.28	(57.9)	73	62	0.32	(8.1)	2.74	(69.6)
2.27	(57.7)	76	64	0.31	(7.9)	2.73	(69.3)
2.26	(57.4)	79	66	0.30	(7.6)	2.72	(69.1)
2.25	(57.2)	82	68	0.29	(7.4)	2.71	(68.8)
2.24	(56.9)	85	70	0.28	(7.1)	2.70	(68.6)
2.23	(56.6)	88	72	0.27	(6.9)	2.69	(68.3)
2.22	(56.4)	91	74	0.26	(6.6)	2.68	(68.1)
2.21	(56.1)	94	76	0.25	(6.3)	2.67	(67.8)
2.20	(55.9)	97	78	0.24	(6.1)	2.66	(67.6)
2.19	(55.6)	100	80	0.23	(5.8)	2.65	(67.3)
2.18	(55.4)	103	82	0.22	(5.6)	2.64	(67.1)
2.17	(55.1)	106	84	0.21	(5.3)	2.63	(66.8)
2.16	(54.9)	109	86	0.20	(5.1)	2.62	(66.5)
2.15	(54.6)	112	88	0.19	(4.8)	2.61	(66.3)
2.14	(54.4)	115	90	0.18	(4.6)	2.60	(66.0)
2.13	(54.1)	118	92	0.17	(4.3)	2.59	(65.8)
2.12	(53.8)	121	94	0.16	(4.1)	2.58	(65.5)
2.11	(53.6)		96	0.15	(3.8)	2.57	(65.3)
2.10	(53.3)		98	0.14	(3.6)	2.56	(65.0)
2.09	(53.1)		100	0.13	(3.3)	2.55	(64.8)
2.08	(52.8)		102	0.12	(3.0)	2.54	(64.5)
2.07	(52.6)		104	0.11	(2.8)	2.53	(64.3)
2.06	(52.3)		106	0.10	(2.5)	2.52	(64.0)
2.05	(52.1)		108	0.09	(2.3)	2.51	(63.8)
2.04	(51.8)		110	0.08	(2.0)	2.50	(63.5)
2.03	(51.6)		112	0.07	(1.8)	2.49	(63.2)
2.02	(51.3)		114	0.06	(1.5)	2.48	(63.0)
2.01	(51.1)		116	0.05	(1.3)	2.47	(62.7)
2.00	(50.8)		118	0.04	(1.0)	2.46	(62.5)
1.99	(50.5)		120	0.03	(0.8)	2.45	(62.2)

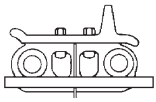
CAUTION — DO NOT USE DEPTH GAUGE UNTIL BUSHINGS HAVE BEEN "TURNED."

Undercarriage Code: 343, 344

Bushings for Rotating Bushing Track

7.50" (190.5 mm) Pitch





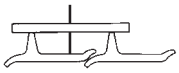
Caliper			Ultrasonic		Depth Gauge	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
2.56	(65.0)	0	0.52	(13.2)	3.19	(81.0)
2.54	(64.5)	4	0.51	(13.0)	3.18	(80.8)
2.52	(64.0)	8	0.50	(12.7)	3.17	(80.5)
2.50	(63.5)	12	0.49	(12.4)	3.16	(80.3)
2.48	(63.0)	16	0.48	(12.2)	3.15	(80.0)
2.46	(62.5)	20	0.47	(11.9)	3.14	(79.8)
2.44	(62.0)	24	0.46	(11.7)	3.13	(79.5)
2.42	(61.5)	28	0.45	(11.4)	3.12	(79.2)
2.40	(61.0)	32	0.44	(11.2)	3.11	(79.0)
2.38	(60.5)	36	0.43	(10.9)	3.10	(78.7)
2.36	(59.9)	40	0.42	(10.7)	3.09	(78.5)
2.34	(59.4)	42	0.41	(10.4)	3.08	(78.2)
2.32	(58.9)	44	0.40	(10.2)	3.07	(78.0)
2.30	(58.4)	46	0.39	(9.9)	3.06	(77.7)
2.28	(57.9)	48	0.38	(9.7)	3.05	(77.5)
2.26	(57.4)	50	0.37	(9.4)	3.04	(77.2)
2.24	(56.9)	52	0.36	(9.1)	3.03	(77.0)
2.22	(56.4)	54	0.35	(8.9)	3.02	(76.7)
2.20	(55.9)	56	0.34	(8.6)	3.01	(76.5)
2.18	(55.4)	58	0.33	(8.4)	3.00	(76.2)
2.16	(54.9)	60	0.32	(8.1)	2.99	(75.9)
2.14	(54.4)	62	0.31	(7.9)	2.98	(75.7)
2.12	(53.8)	64	0.30	(7.6)	2.97	(75.4)
2.10	(53.3)	66	0.29	(7.4)	2.96	(75.2)
2.08	(52.8)	68	0.28	(7.1)	2.95	(74.9)
2.06	(52.3)	70	0.27	(6.9)	2.94	(74.7)
2.04	(51.8)	72	0.26	(6.6)	2.93	(74.4)
2.02	(51.3)	74	0.25	(6.3)	2.92	(74.2)
2.00	(50.8)	76	0.24	(6.1)	2.91	(73.9)
1.98	(50.3)	78	0.23	(5.8)	2.90	(73.7)
1.96	(49.8)	80	0.22	(5.6)	2.89	(73.4)
1.94	(49.3)	82	0.21	(5.3)	2.88	(73.2)
1.92	(48.8)	84	0.20	(5.1)	2.87	(72.9)
1.90	(48.3)	86	0.19	(4.8)	2.86	(72.6)
1.88	(47.8)	88	0.18	(4.6)	2.85	(72.4)
1.86	(47.2)	90	0.17	(4.3)	2.84	(72.1)
1.84	(46.7)	92	0.16	(4.1)	2.83	(71.9)
1.82	(46.2)	94	0.15	(3.8)	2.82	(71.6)
1.80	(45.7)	96	0.14	(3.6)	2.81	(71.4)
1.78	(45.2)	98	0.13	(3.3)	2.80	(71.1)
1.76	(44.7)	100	0.12	(3.0)	2.79	(70.9)
1.74	(44.2)	102	0.11	(2.8)	2.78	(70.6)
1.72	(43.7)	104	0.10	(2.5)	2.77	(70.4)
1.70	(43.2)	106	0.09	(2.3)	2.76	(70.1)
1.68	(42.7)	108	0.08	(2.0)	2.75	(69.9)
1.66	(42.2)	110	0.07	(1.8)	2.74	(69.6)
1.64	(41.7)	112	0.06	(1.5)	2.73	(69.3)
1.62	(41.1)	114	0.05	(1.3)	2.72	(69.1)
1.60	(40.6)	116	0.04	(1.0)	2.71	(68.8)
1.58	(40.1)	118	0.03	(0.8)	2.70	(68.6)
1.56	(39.6)	120	0.02	(0.5)	2.69	(68.3)

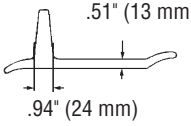
Undercarriage Code: 345

953 — 6.91" (175.5 mm), 7.50" (190.5 mm)

Track Shoes

Moderate Service





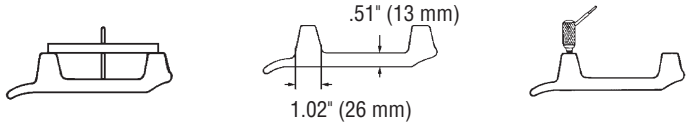


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
2.25	(57.0)	0	2.75	(69.9)
2.20	(56.0)	4	2.70	(68.6)
2.15	(54.5)	8	2.65	(67.3)
2.10	(53.5)	12	2.60	(66.0)
2.05	(52.0)	16	2.55	(64.8)
2.00	(51.0)	20	2.50	(63.5)
1.95	(49.5)	24	2.45	(62.2)
1.90	(48.5)	28	2.40	(61.0)
1.85	(47.0)	32	2.35	(59.7)
1.80	(45.5)	36	2.30	(58.4)
1.75	(44.5)	40	2.25	(57.2)
1.70	(43.0)	44	2.20	(55.9)
1.65	(42.0)	48	2.15	(54.6)
1.60	(40.5)	52	2.10	(53.3)
1.55	(39.5)	56	2.05	(52.1)
1.50	(38.0)	60	2.00	(50.8)
1.45	(37.0)	64	1.95	(49.5)
1.40	(35.5)	67	1.90	(48.3)
1.35	(34.5)	70	1.85	(47.0)
1.30	(33.0)	73	1.80	(45.7)
1.25	(32.0)	76	1.75	(44.5)
1.20	(30.5)	79	1.70	(43.2)
1.15	(29.0)	82	1.65	(41.9)
1.10	(28.0)	85	1.60	(40.6)
1.05	(26.5)	88	1.55	(39.4)
1.00	(25.5)	91	1.50	(38.1)
0.95	(24.0)	94	1.45	(36.8)
0.90	(23.0)	97	1.40	(35.6)
0.85	(21.5)	100	1.35	(34.3)
0.80	(20.5)	103	1.30	(33.0)
0.75	(19.0)	106	1.25	(31.8)
0.70	(18.0)	109	1.20	(30.5)
0.65	(16.5)	112	1.15	(29.2)
0.60	(15.0)	115	1.10	(27.9)
0.55	(14.0)	118	1.05	(26.7)
0.50	(12.5)	121	1.00	(25.4)

Undercarriage Code: 343, 344

Track Shoes

Double Grouser
Not for use with Rotating Bushing Track

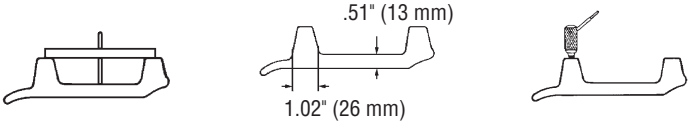


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.50	(38.0)	0	1.99	(50.5)
1.45	(37.0)	5	1.94	(49.2)
1.40	(35.5)	10	1.89	(48.0)
1.35	(34.5)	15	1.84	(46.7)
1.30	(33.0)	20	1.79	(45.4)
1.25	(32.0)	25	1.74	(44.2)
1.20	(30.5)	30	1.69	(42.9)
1.15	(29.0)	35	1.64	(41.6)
1.10	(28.0)	40	1.59	(40.3)
1.05	(26.5)	45	1.54	(39.1)
1.00	(25.5)	50	1.49	(37.8)
0.95	(24.0)	55	1.44	(36.5)
0.90	(23.0)	60	1.39	(35.3)
0.85	(21.5)	65	1.34	(34.0)
0.80	(20.5)	70	1.29	(32.7)
0.75	(19.0)	75	1.24	(31.5)
0.70	(18.0)	80	1.19	(30.2)
0.65	(16.5)	85	1.14	(28.9)
0.60	(15.0)	90	1.09	(27.6)
0.55	(14.0)	95	1.04	(26.4)
0.50	(12.5)	100	0.99	(25.1)
0.45	(11.5)	105	0.94	(23.8)
0.40	(10.0)	110	0.89	(22.6)
0.35	(9.0)	115	0.84	(21.3)
0.30	(7.5)	120	0.79	(20.0)

Undercarriage Code: 343, 344

Track Shoes

Double Grouser
Use only with Rotating Bushing Track

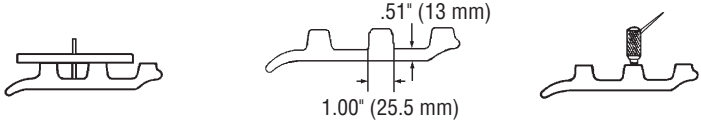


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.40	(35.5)	0	1.89	(48.0)
1.35	(34.5)	6	1.84	(46.7)
1.30	(33.0)	12	1.79	(45.5)
1.25	(32.0)	18	1.74	(44.2)
1.20	(30.5)	24	1.69	(42.9)
1.15	(29.0)	30	1.64	(41.7)
1.10	(28.0)	36	1.59	(40.4)
1.05	(26.5)	42	1.54	(39.1)
1.00	(25.5)	48	1.49	(37.8)
0.95	(24.0)	54	1.44	(36.6)
0.90	(23.0)	60	1.39	(35.3)
0.85	(21.5)	65	1.34	(34.0)
0.80	(20.5)	70	1.29	(32.8)
0.75	(19.0)	75	1.24	(31.5)
0.70	(18.0)	80	1.19	(30.2)
0.65	(16.5)	85	1.14	(29.0)
0.60	(15.0)	90	1.09	(27.7)
0.55	(14.0)	95	1.04	(26.4)
0.50	(12.5)	100	0.99	(25.1)
0.45	(11.5)	105	0.94	(23.9)
0.40	(10.0)	110	0.89	(22.6)
0.35	(9.0)	115	0.84	(21.3)
0.30	(7.5)	120	0.79	(20.1)

Undercarriage Code: 345

Track Shoes

Triple Grouser



Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
0.95	(24.0)	0	1.50	(38.1)
0.90	(23.0)	8	1.45	(36.8)
0.85	(21.5)	16	1.40	(35.6)
0.80	(20.5)	23	1.35	(34.3)
0.75	(19.0)	30	1.30	(33.0)
0.70	(18.0)	37	1.25	(31.8)
0.65	(16.5)	44	1.20	(30.5)
0.60	(15.0)	51	1.15	(29.2)
0.55	(14.0)	58	1.10	(27.9)
0.50	(12.5)	65	1.05	(26.7)
0.45	(11.5)	72	1.00	(25.4)
0.40	(10.0)	79	0.95	(24.1)
0.35	(9.0)	86	0.90	(22.9)
0.30	(7.5)	93	0.85	(21.6)
0.25	(6.5)	100	0.80	(20.3)
0.20	(5.0)	107	0.75	(19.1)
0.15	(4.0)	114	0.70	(17.8)
0.10	(2.5)	121	0.65	(16.5)

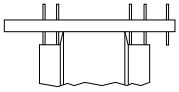
Undercarriage Code: 343, 344

Rubber Grouser Track Shoes

Depth Gauge Inches	(mm)	% Worn
2.55	(65.0)	0
2.50	(63.5)	10
2.45	(62.0)	20
2.40	(61.0)	30
2.35	(59.5)	40
2.30	(58.5)	50
2.25	(57.0)	60
2.20	(56.0)	70
2.15	(54.5)	80
2.10	(53.5)	90
2.05	(52.0)	100
2.00	(51.0)	110
1.95	(49.5)	120

Undercarriage Code: 343, 344

Idlers





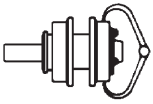
Depth Gauge Inches	(mm)	% Worn
0.74	(19.0)	0
0.76	(19.5)	7
0.78	(20.0)	14
0.80	(20.5)	21
0.82	(21.0)	28
0.84	(21.5)	35
0.86	(22.0)	42
0.88	(22.5)	49
0.90	(23.0)	56
0.92	(23.5)	63
0.94	(24.0)	67
0.96	(24.5)	70
0.98	(25.0)	73
1.00	(25.5)	76
1.02	(26.0)	79
1.04	(26.5)	82
1.06	(27.0)	85
1.08	(27.5)	88
1.10	(28.0)	91
1.12	(28.5)	94
1.14	(29.0)	97
1.16	(29.5)	100
1.18	(30.0)	103
1.20	(30.5)	106
1.22	(31.0)	109
1.24	(31.5)	112
1.26	(32.0)	115
1.28	(32.5)	118
1.30	(33.0)	121

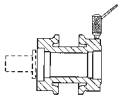
Flange width: 3.31" (84 mm)

Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.40	(10.2)	0.00	(0.0)
0.38	(9.7)	0.02	(0.5)
0.36	(9.1)	0.04	(1.0)
0.34	(8.6)	0.06	(1.5)
0.32	(8.1)	0.08	(2.0)
0.30	(7.6)	0.10	(2.5)
0.28	(7.1)	0.12	(3.0)
0.26	(6.6)	0.14	(3.5)
0.24	(6.1)	0.16	(4.0)
0.22	(5.6)	0.18	(4.5)
0.20	(5.1)	0.20	(5.0)
0.18	(4.6)	0.22	(5.5)
0.16	(4.1)	0.24	(6.0)
0.14	(3.6)	0.26	(6.5)
0.12	(3.0)	0.28	(7.0)
0.10	(2.5)	0.30	(7.5)
0.08	(2.0)	0.32	(8.0)
0.06	(1.5)	0.34	(8.5)
0.04	(1.0)	0.36	(9.0)
0.02	(0.5)	0.38	(9.5)

NOTE: Ultrasonic measurement is to determine flange wear only.

Carrier Rollers



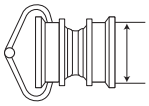
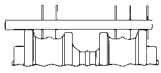
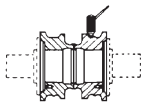


Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
6.75	(171.5)	0	1.55	(39.4)
6.71	(170.5)	4	1.53	(38.9)
6.67	(169.5)	8	1.51	(38.4)
6.63	(168.5)	12	1.49	(37.8)
6.59	(167.5)	16	1.47	(37.3)
6.55	(166.5)	20	1.45	(36.8)
6.51	(165.5)	24	1.43	(36.3)
6.47	(164.5)	28	1.41	(35.8)
6.43	(163.5)	31	1.39	(35.3)
6.39	(162.5)	34	1.37	(34.8)
6.35	(161.5)	37	1.35	(34.3)
6.31	(160.5)	40	1.33	(33.8)
6.27	(159.5)	43	1.31	(33.3)
6.23	(158.0)	46	1.29	(32.8)
6.19	(157.0)	49	1.27	(32.3)
6.15	(156.0)	52	1.25	(31.8)
6.11	(155.0)	55	1.23	(31.2)
6.07	(154.0)	58	1.21	(30.7)
6.03	(153.0)	61	1.19	(30.2)
5.99	(152.0)	64	1.17	(29.7)
5.95	(151.0)	67	1.15	(29.2)
5.91	(150.0)	70	1.13	(28.7)
5.87	(149.0)	73	1.11	(28.2)
5.83	(148.0)	76	1.09	(27.7)
5.79	(147.0)	79	1.07	(27.2)
5.75	(146.0)	82	1.05	(26.7)
5.71	(145.0)	85	1.03	(26.2)
5.67	(144.0)	88	1.01	(25.7)
5.63	(143.0)	91	0.99	(25.1)
5.59	(142.0)	94	0.97	(24.6)
5.55	(141.0)	97	0.95	(24.1)
5.51	(140.0)	100	0.93	(23.6)
5.47	(139.0)	103	0.91	(23.1)
5.43	(138.0)	106	0.89	(22.6)
5.39	(137.0)	109	0.87	(22.1)
5.35	(136.0)	112	0.85	(21.6)
5.31	(135.0)	115	0.83	(21.1)
5.27	(134.0)	118	0.81	(20.6)
5.23	(133.0)	121	0.79	(20.1)

Undercarriage Code: 343, 344, 345

Track Rollers

Rollers with End Collars

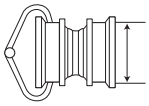
Caliper Inches	Caliper (mm)	% Worn	Depth Gauge Inches	Depth Gauge (mm)	Ultrasonic Inches	Ultrasonic (mm)
7.75	(197.0)	0	0.59	(15.0)	1.75	(44.5)
7.71	(196.0)	3	0.61	(15.5)	1.73	(43.9)
7.67	(195.0)	6	0.63	(16.0)	1.71	(43.4)
7.63	(194.0)	9	0.65	(16.5)	1.69	(42.9)
7.59	(193.0)	12	0.67	(17.0)	1.67	(42.4)
7.55	(192.0)	15	0.69	(17.5)	1.65	(41.9)
7.51	(191.0)	18	0.71	(18.0)	1.63	(41.4)
7.47	(189.5)	21	0.73	(18.5)	1.61	(40.9)
7.43	(188.5)	24	0.75	(19.0)	1.59	(40.4)
7.39	(187.5)	27	0.77	(19.5)	1.57	(39.9)
7.35	(186.5)	30	0.79	(20.0)	1.55	(39.4)
7.31	(185.5)	33	0.81	(20.5)	1.53	(38.9)
7.27	(184.5)	36	0.83	(21.0)	1.51	(38.4)
7.23	(183.5)	39	0.85	(21.5)	1.49	(37.8)
7.19	(182.5)	42	0.87	(22.0)	1.47	(37.3)
7.15	(181.5)	45	0.89	(22.5)	1.45	(36.8)
7.11	(180.5)	48	0.91	(23.0)	1.43	(36.3)
7.07	(179.5)	51	0.93	(23.5)	1.41	(35.8)
7.03	(178.5)	54	0.95	(24.0)	1.39	(35.3)
6.99	(177.5)	57	0.97	(24.5)	1.37	(34.8)
6.95	(176.5)	60	0.99	(25.0)	1.35	(34.3)
6.91	(175.5)	63	1.01	(25.5)	1.33	(33.8)
6.87	(174.5)	66	1.03	(26.0)	1.31	(33.3)
6.83	(173.5)	69	1.05	(26.5)	1.29	(32.8)
6.79	(172.5)	72	1.07	(27.0)	1.27	(32.3)
6.75	(171.5)	75	1.09	(27.5)	1.25	(31.8)
6.71	(170.5)	78	1.11	(28.0)	1.23	(31.2)
6.67	(169.5)	81	1.13	(28.5)	1.21	(30.7)
6.63	(168.5)	84	1.15	(29.0)	1.19	(30.2)
6.59	(167.5)	87	1.17	(29.5)	1.17	(29.7)
6.55	(166.5)	90	1.19	(30.0)	1.15	(29.2)
6.51	(165.5)	92	1.21	(30.5)	1.13	(28.7)
6.47	(164.5)	94	1.23	(31.0)	1.11	(28.2)
6.43	(163.5)	96	1.25	(32.0)	1.09	(27.7)
6.39	(162.5)	98	1.27	(32.5)	1.07	(27.2)
6.35	(161.5)	100	1.29	(33.0)	1.05	(26.7)
6.31	(160.5)	102	1.31	(33.5)	1.03	(26.2)
6.27	(159.5)	104	1.33	(34.0)	1.01	(25.7)
6.23	(158.0)	106	1.35	(34.5)	0.99	(25.1)
6.19	(157.0)	108	1.37	(35.0)	0.97	(24.6)
6.15	(156.0)	110	1.39	(35.5)	0.95	(24.1)
6.11	(155.0)	112	1.41	(36.0)	0.93	(23.6)
6.07	(154.0)	114	1.43	(36.5)	0.91	(23.1)
6.03	(153.0)	116	1.45	(37.0)	0.89	(22.6)
5.99	(152.0)	118	1.47	(37.5)	0.87	(22.1)
5.95	(151.0)	120	1.49	(38.0)	0.85	(21.6)

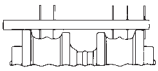
Flange diameter is 8.94" (227 mm)

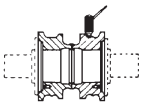
Undercarriage Code: 344, 345

Track Rollers

Rollers with Retainers







Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
7.75	(197.0)	0	0.59	(15.0)	1.87	(47.5)
7.71	(196.0)	3	0.61	(15.5)	1.85	(47.0)
7.67	(195.0)	6	0.63	(16.0)	1.83	(46.5)
7.63	(194.0)	9	0.65	(16.5)	1.81	(46.0)
7.59	(193.0)	12	0.67	(17.0)	1.79	(45.5)
7.55	(192.0)	15	0.69	(17.5)	1.77	(45.0)
7.51	(191.0)	18	0.71	(18.0)	1.75	(44.5)
7.47	(189.5)	21	0.73	(18.5)	1.73	(43.9)
7.43	(188.5)	24	0.75	(19.0)	1.71	(43.4)
7.39	(187.5)	27	0.77	(19.5)	1.69	(42.9)
7.35	(186.5)	30	0.79	(20.0)	1.67	(42.4)
7.31	(185.5)	33	0.81	(20.5)	1.65	(41.9)
7.27	(184.5)	36	0.83	(21.0)	1.63	(41.4)
7.23	(183.5)	39	0.85	(21.5)	1.61	(40.9)
7.19	(182.5)	42	0.87	(22.0)	1.59	(40.4)
7.15	(181.5)	45	0.89	(22.5)	1.57	(39.9)
7.11	(180.5)	48	0.91	(23.0)	1.55	(39.4)
7.07	(179.5)	51	0.93	(23.5)	1.53	(38.9)
7.03	(178.5)	54	0.95	(24.0)	1.51	(38.4)
6.99	(177.5)	57	0.97	(24.5)	1.49	(37.8)
6.95	(176.5)	60	0.99	(25.0)	1.47	(37.3)
6.91	(175.5)	63	1.01	(25.5)	1.45	(36.8)
6.87	(174.5)	66	1.03	(26.0)	1.43	(36.3)
6.83	(173.5)	69	1.05	(26.5)	1.41	(35.8)
6.79	(172.5)	72	1.07	(27.0)	1.39	(35.3)
6.75	(171.5)	75	1.09	(27.5)	1.37	(34.8)
6.71	(170.5)	78	1.11	(28.0)	1.35	(34.3)
6.67	(169.5)	81	1.13	(28.5)	1.33	(33.8)
6.63	(168.5)	84	1.15	(29.0)	1.31	(33.3)
6.59	(167.5)	87	1.17	(29.5)	1.29	(32.8)
6.55	(166.5)	90	1.19	(30.0)	1.27	(32.3)
6.51	(165.5)	92	1.21	(30.5)	1.25	(31.8)
6.47	(164.5)	94	1.23	(31.0)	1.23	(31.2)
6.43	(163.5)	96	1.25	(32.0)	1.21	(30.7)
6.39	(162.5)	98	1.27	(32.5)	1.19	(30.2)
6.35	(161.5)	100	1.29	(33.0)	1.17	(29.7)
6.31	(160.5)	102	1.31	(33.5)	1.15	(29.2)
6.27	(159.5)	104	1.33	(34.0)	1.13	(28.7)
6.23	(158.0)	106	1.35	(34.5)	1.11	(28.2)
6.19	(157.0)	108	1.37	(35.0)	1.09	(27.7)
6.15	(156.0)	110	1.39	(35.5)	1.07	(27.2)
6.11	(155.0)	112	1.41	(36.0)	1.05	(26.7)
6.07	(154.0)	114	1.43	(36.5)	1.03	(26.2)
6.03	(153.0)	116	1.45	(37.0)	1.01	(25.7)
5.99	(152.0)	118	1.47	(37.5)	0.99	(25.1)
5.95	(151.0)	120	1.49	(38.0)	0.97	(24.6)

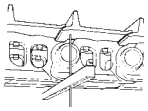
Flange diameter is 8.94" (227 mm)

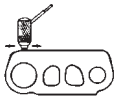
Undercarriage Code: 343

NOTES

Track Links

7T4645 & 46



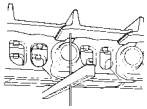


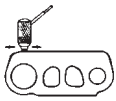
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
5.03	(128.0)	0	1.67	(42.4)
5.01	(127.5)	4	1.65	(41.9)
4.99	(126.5)	8	1.63	(41.4)
4.97	(126.0)	12	1.61	(40.9)
4.95	(125.5)	16	1.59	(40.4)
4.93	(125.0)	20	1.57	(39.9)
4.91	(124.5)	24	1.55	(39.4)
4.89	(124.0)	28	1.53	(38.9)
4.87	(123.5)	32	1.51	(38.4)
4.85	(123.0)	36	1.49	(37.8)
4.83	(122.5)	40	1.47	(37.3)
4.81	(122.0)	44	1.45	(36.8)
4.79	(121.5)	48	1.43	(36.3)
4.77	(121.0)	52	1.41	(35.8)
4.75	(120.5)	56	1.39	(35.3)
4.73	(120.0)	60	1.37	(34.8)
4.71	(119.5)	64	1.35	(34.3)
4.69	(119.0)	68	1.33	(33.8)
4.67	(118.5)	72	1.31	(33.3)
4.65	(118.0)	76	1.29	(32.8)
4.63	(117.5)	80	1.27	(32.3)
4.61	(117.0)	84	1.25	(31.8)
4.59	(116.5)	88	1.23	(31.2)
4.57	(116.0)	92	1.21	(30.7)
4.55	(115.5)	96	1.19	(30.2)
4.53	(115.0)	100	1.17	(29.7)
4.51	(114.5)	103	1.15	(29.2)
4.49	(114.0)	106	1.13	(28.7)
4.47	(113.5)	109	1.11	(28.2)
4.45	(113.0)	112	1.09	(27.7)
4.43	(112.5)	115	1.07	(27.2)
4.41	(112.0)	118	1.05	(26.7)
4.39	(111.5)	121	1.03	(26.2)

Undercarriage Code: 364

Track Links

Rotating Bushing Track
195-6515 & 16



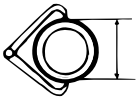


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
5.19	(132.0)	0	1.69	(42.9)
5.17	(131.5)	4	1.67	(42.4)
5.15	(131.0)	8	1.65	(41.9)
5.13	(130.5)	12	1.63	(41.4)
5.11	(130.0)	16	1.61	(40.9)
5.09	(129.5)	20	1.59	(40.4)
5.07	(129.0)	24	1.57	(39.9)
5.05	(128.5)	28	1.55	(39.4)
5.03	(128.0)	32	1.53	(38.9)
5.01	(127.5)	36	1.51	(38.4)
4.99	(126.5)	40	1.49	(37.8)
4.97	(126.0)	44	1.47	(37.3)
4.95	(125.5)	48	1.45	(36.8)
4.93	(125.0)	52	1.43	(36.3)
4.91	(124.5)	56	1.41	(35.8)
4.89	(124.0)	60	1.39	(35.3)
4.87	(123.5)	64	1.37	(34.8)
4.85	(123.0)	68	1.35	(34.3)
4.83	(122.5)	72	1.33	(33.8)
4.81	(122.0)	76	1.31	(33.3)
4.79	(121.5)	80	1.29	(32.8)
4.77	(121.0)	84	1.27	(32.3)
4.75	(120.5)	88	1.25	(31.8)
4.73	(120.0)	91	1.23	(31.2)
4.71	(119.5)	94	1.21	(30.7)
4.69	(119.0)	97	1.19	(30.2)
4.67	(118.5)	100	1.17	(29.7)
4.65	(118.0)	103	1.15	(29.2)
4.63	(117.5)	106	1.13	(28.7)
4.61	(117.0)	109	1.11	(28.2)
4.59	(116.5)	112	1.09	(27.7)
4.57	(116.0)	115	1.07	(27.2)
4.55	(115.5)	118	1.05	(26.7)
4.53	(115.0)	121	1.03	(26.2)

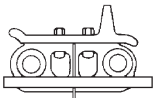
Undercarriage Code: 365

Bushings for Sealed & Lubricated Track

Use with 7T Links







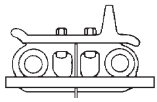
Caliper		Allowable Wear		Ultrasonic		Depth Gauge	
		Lesser	Greater				
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
2.86	(72.6)	0	0	0.53	(13.5)	3.49	(88.6)
2.85	(72.4)	5	4	0.52	(13.2)	3.48	(88.4)
2.84	(72.1)	10	8	0.51	(13.0)	3.47	(88.1)
2.83	(71.9)	15	12	0.50	(12.7)	3.46	(87.9)
2.82	(71.6)	20	16	0.49	(12.4)	3.45	(87.6)
2.81	(71.4)	25	20	0.48	(12.2)	3.44	(87.4)
2.80	(71.1)	30	24	0.47	(11.9)	3.43	(87.1)
2.79	(70.9)	35	28	0.46	(11.7)	3.42	(86.9)
2.78	(70.6)	40	32	0.45	(11.4)	3.41	(86.6)
2.77	(70.4)	45	36	0.44	(11.2)	3.40	(86.4)
2.76	(70.1)	50	40	0.43	(10.9)	3.39	(86.1)
2.75	(69.9)	55	44	0.42	(10.7)	3.38	(85.9)
2.74	(69.6)	60	48	0.41	(10.4)	3.37	(85.6)
2.73	(69.3)	64	52	0.40	(10.2)	3.36	(85.3)
2.72	(69.1)	67	56	0.39	(9.9)	3.35	(85.1)
2.71	(68.8)	70	60	0.38	(9.7)	3.34	(84.8)
2.70	(68.6)	73	62	0.37	(9.4)	3.33	(84.6)
2.69	(68.3)	76	64	0.36	(9.1)	3.32	(84.3)
2.68	(68.1)	79	66	0.35	(8.9)	3.31	(84.1)
2.67	(67.8)	82	68	0.34	(8.6)	3.30	(83.8)
2.66	(67.6)	85	70	0.33	(8.4)	3.29	(83.6)
2.65	(67.3)	88	72	0.32	(8.1)	3.28	(83.3)
2.64	(67.1)	91	74	0.31	(7.9)	3.27	(83.1)
2.63	(66.8)	94	76	0.30	(7.6)	3.26	(82.8)
2.62	(66.5)	97	78	0.29	(7.4)	3.25	(82.6)
2.61	(66.3)	100	80	0.28	(7.1)	3.24	(82.3)
2.60	(66.0)	103	82	0.27	(6.9)	3.23	(82.0)
2.59	(65.8)	106	84	0.26	(6.6)	3.22	(81.8)
2.58	(65.5)	109	86	0.25	(6.3)	3.21	(81.5)
2.57	(65.3)	112	88	0.24	(6.1)	3.20	(81.3)
2.56	(65.0)	115	90	0.23	(5.8)	3.19	(81.0)
2.55	(64.8)	118	92	0.22	(5.6)	3.18	(80.8)
2.54	(64.5)	121	94	0.21	(5.3)	3.17	(80.5)
2.53	(64.3)		96	0.20	(5.1)	3.16	(80.3)
2.52	(64.0)		98	0.19	(4.8)	3.15	(80.0)
2.51	(63.8)		100	0.18	(4.6)	3.14	(79.8)
2.50	(63.5)		102	0.17	(4.3)	3.13	(79.5)
2.49	(63.2)		104	0.16	(4.1)	3.12	(79.2)
2.48	(63.0)		106	0.15	(3.8)	3.11	(79.0)
2.47	(62.7)		108	0.14	(3.6)	3.10	(78.7)
2.46	(62.5)		110	0.13	(3.3)	3.09	(78.5)
2.45	(62.2)		112	0.12	(3.0)	3.08	(78.2)
2.44	(62.0)		114	0.11	(2.8)	3.07	(78.0)
2.43	(61.7)		116	0.10	(2.5)	3.06	(77.7)
2.42	(61.5)		118	0.09	(2.3)	3.05	(77.5)
2.41	(61.2)		120	0.08	(2.0)	3.04	(77.2)

Undercarriage Code: 364

Bushings for Rotating Bushing Track

Use with 195-6515 & 16 Links





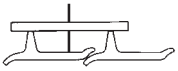
Caliper Inches	Caliper (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)	Depth Gauge Inches	Depth Gauge (mm)
2.86	(72.6)	0	0.55	(14.0)	3.56	(90.4)
2.84	(72.1)	4	0.54	(13.7)	3.55	(90.2)
2.82	(71.6)	8	0.53	(13.5)	3.54	(89.9)
2.80	(71.1)	12	0.52	(13.2)	3.53	(89.7)
2.78	(70.6)	16	0.51	(13.0)	3.52	(89.4)
2.76	(70.1)	20	0.50	(12.7)	3.51	(89.2)
2.74	(69.6)	24	0.49	(12.4)	3.50	(88.9)
2.72	(69.1)	28	0.48	(12.2)	3.49	(88.6)
2.70	(68.6)	32	0.47	(11.9)	3.48	(88.4)
2.68	(68.1)	36	0.46	(11.7)	3.47	(88.1)
2.66	(67.6)	38	0.45	(11.4)	3.46	(87.9)
2.64	(67.1)	40	0.44	(11.2)	3.45	(87.6)
2.62	(66.5)	42	0.43	(10.9)	3.44	(87.4)
2.60	(66.0)	44	0.42	(10.7)	3.43	(87.1)
2.58	(65.5)	46	0.41	(10.4)	3.42	(86.9)
2.56	(65.0)	48	0.40	(10.2)	3.41	(86.6)
2.54	(64.5)	50	0.39	(9.9)	3.40	(86.4)
2.52	(64.0)	52	0.38	(9.7)	3.39	(86.1)
2.50	(63.5)	54	0.37	(9.4)	3.38	(85.9)
2.48	(63.0)	56	0.36	(9.1)	3.37	(85.6)
2.46	(62.5)	58	0.35	(8.9)	3.36	(85.3)
2.44	(62.0)	60	0.34	(8.6)	3.35	(85.1)
2.42	(61.5)	62	0.33	(8.4)	3.34	(84.8)
2.40	(61.0)	64	0.32	(8.1)	3.33	(84.6)
2.38	(60.5)	66	0.31	(7.9)	3.32	(84.3)
2.36	(59.9)	68	0.30	(7.6)	3.31	(84.1)
2.34	(59.4)	70	0.29	(7.4)	3.30	(83.8)
2.32	(58.9)	72	0.28	(7.1)	3.29	(83.6)
2.30	(58.4)	74	0.27	(6.9)	3.28	(83.3)
2.28	(57.9)	76	0.26	(6.6)	3.27	(83.1)
2.26	(57.4)	78	0.25	(6.3)	3.26	(82.8)
2.24	(56.9)	80	0.24	(6.1)	3.25	(82.6)
2.22	(56.4)	82	0.23	(5.8)	3.24	(82.3)
2.20	(55.9)	84	0.22	(5.6)	3.23	(82.0)
2.18	(55.4)	86	0.21	(5.3)	3.22	(81.8)
2.16	(54.9)	88	0.20	(5.1)	3.21	(81.5)
2.14	(54.4)	90	0.19	(4.8)	3.20	(81.3)
2.12	(53.8)	92	0.18	(4.6)	3.19	(81.0)
2.10	(53.3)	94	0.17	(4.3)	3.18	(80.8)
2.08	(52.8)	96	0.16	(4.1)	3.17	(80.5)
2.06	(52.3)	98	0.15	(3.8)	3.16	(80.3)
2.04	(51.8)	100	0.14	(3.6)	3.15	(80.0)
2.02	(51.3)	102	0.13	(3.3)	3.14	(79.8)
2.00	(50.8)	104	0.12	(3.0)	3.13	(79.5)
1.98	(50.3)	106	0.11	(2.8)	3.12	(79.2)
1.96	(49.8)	108	0.10	(2.5)	3.11	(79.0)
1.94	(49.3)	110	0.09	(2.3)	3.10	(78.7)
1.92	(48.8)	112	0.08	(2.0)	3.09	(78.5)
1.90	(48.3)	114	0.07	(1.8)	3.08	(78.2)
1.88	(47.8)	116	0.06	(1.5)	3.07	(78.0)
1.86	(47.2)	118	0.05	(1.3)	3.06	(77.7)
1.84	(46.7)	120	0.04	(1.0)	3.05	(77.5)

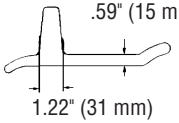
Undercarriage Code: 365

963 — 8.00" (203.2 mm)

Track Shoes

Extreme Service





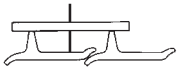


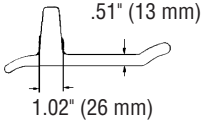
Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
2.95	(75.0)	0	0	3.55	(90.2)
2.90	(73.5)	4	3	3.50	(88.9)
2.85	(72.5)	8	6	3.45	(87.6)
2.80	(71.0)	12	9	3.40	(86.4)
2.75	(70.0)	16	12	3.35	(85.1)
2.70	(68.5)	20	15	3.30	(83.8)
2.65	(67.5)	24	18	3.25	(82.6)
2.60	(66.0)	28	21	3.20	(81.3)
2.55	(65.0)	32	24	3.15	(80.0)
2.50	(63.5)	36	27	3.10	(78.7)
2.45	(62.0)	40	30	3.05	(77.5)
2.40	(61.0)	44	33	3.00	(76.2)
2.35	(59.5)	48	36	2.95	(74.9)
2.30	(58.5)	52	39	2.90	(73.7)
2.25	(57.0)	55	42	2.85	(72.4)
2.20	(56.0)	58	45	2.80	(71.1)
2.15	(54.5)	61	48	2.75	(69.9)
2.10	(53.5)	64	51	2.70	(68.6)
2.05	(52.0)	67	54	2.65	(67.3)
2.00	(51.0)	70	57	2.60	(66.0)
1.95	(49.5)	73	60	2.55	(64.8)
1.90	(48.5)	76	63	2.50	(63.5)
1.85	(47.0)	79	66	2.45	(62.2)
1.80	(45.5)	82	68	2.40	(61.0)
1.75	(44.5)	85	70	2.35	(59.7)
1.70	(43.0)	88	72	2.30	(58.4)
1.65	(42.0)	91	74	2.25	(57.2)
1.60	(40.5)	94	76	2.20	(55.9)
1.55	(39.5)	97	78	2.15	(54.6)
1.50	(38.0)	100	80	2.10	(53.3)
1.45	(37.0)	103	82	2.05	(52.1)
1.40	(35.5)	106	84	2.00	(50.8)
1.35	(34.5)	109	86	1.95	(49.5)
1.30	(33.0)	112	88	1.90	(48.3)
1.25	(32.0)	115	90	1.85	(47.0)
1.20	(30.5)	118	92	1.80	(45.7)
1.15	(29.0)	121	94	1.75	(44.5)
1.10	(28.0)		96	1.70	(43.2)
1.05	(26.5)		98	1.65	(41.9)
1.00	(25.5)		100	1.60	(40.6)
0.95	(24.0)		102	1.55	(39.4)
0.90	(23.0)		104	1.50	(38.1)
0.85	(21.5)		106	1.45	(36.8)
0.80	(20.5)		108	1.40	(35.6)
0.75	(19.0)		110	1.35	(34.3)
0.70	(18.0)		112	1.30	(33.0)
0.65	(16.5)		114	1.25	(31.8)
0.60	(15.0)		116	1.20	(30.5)
0.55	(14.0)		118	1.15	(29.2)
0.50	(12.5)		120	1.10	(27.9)

Undercarriage Code: 364, 365

Track Shoes

Moderate Service







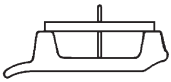
Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
2.55	(65.0)	0	0	3.05	(77.5)
2.50	(63.5)	5	4	3.00	(76.2)
2.45	(62.0)	10	8	2.95	(74.9)
2.40	(61.0)	15	12	2.90	(73.7)
2.35	(59.5)	20	16	2.85	(72.4)
2.30	(58.5)	25	20	2.80	(71.1)
2.25	(57.0)	30	24	2.75	(69.9)
2.20	(56.0)	35	28	2.70	(68.6)
2.15	(54.5)	40	31	2.65	(67.3)
2.10	(53.5)	45	34	2.60	(66.0)
2.05	(52.0)	50	37	2.55	(64.8)
2.00	(51.0)	55	40	2.50	(63.5)
1.95	(49.5)	60	43	2.45	(62.2)
1.90	(48.5)	65	46	2.40	(61.0)
1.85	(47.0)	70	49	2.35	(59.7)
1.80	(45.5)	75	52	2.30	(58.4)
1.75	(44.5)	80	55	2.25	(57.2)
1.70	(43.0)	84	58	2.20	(55.9)
1.65	(42.0)	88	61	2.15	(54.6)
1.60	(40.5)	92	64	2.10	(53.3)
1.55	(39.5)	96	67	2.05	(52.1)
1.50	(38.0)	100	70	2.00	(50.8)
1.45	(37.0)	104	73	1.95	(49.5)
1.40	(35.5)	108	76	1.90	(48.3)
1.35	(34.5)	112	79	1.85	(47.0)
1.30	(33.0)	116	82	1.80	(45.7)
1.25	(32.0)	120	85	1.75	(44.5)
1.20	(30.5)		88	1.70	(43.2)
1.15	(29.0)		91	1.65	(41.9)
1.10	(28.0)		94	1.60	(40.6)
1.05	(26.5)		97	1.55	(39.4)
1.00	(25.5)		100	1.50	(38.1)
0.95	(24.0)		103	1.45	(36.8)
0.90	(23.0)		106	1.40	(35.6)
0.85	(21.5)		109	1.35	(34.3)
0.80	(20.5)		112	1.30	(33.0)
0.75	(19.0)		115	1.25	(31.8)
0.70	(18.0)		118	1.20	(30.5)
0.65	(16.5)		121	1.15	(29.2)

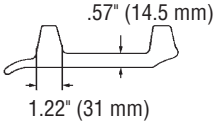
Undercarriage Code: 364, 365

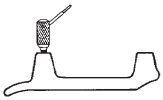
963 — 8.00" (203.2 mm)

Track Shoes

Double Grouser





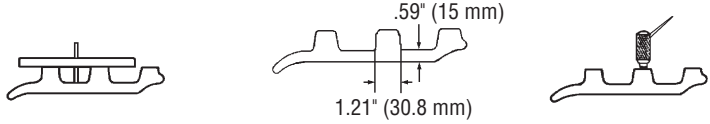


Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
1.65	(42.0)	0	0	2.20	(55.9)
1.60	(40.5)	6	5	2.15	(54.6)
1.55	(39.5)	12	10	2.10	(53.3)
1.50	(38.0)	18	15	2.05	(52.1)
1.45	(37.0)	24	20	2.00	(50.8)
1.40	(35.5)	30	25	1.95	(49.5)
1.35	(34.5)	36	30	1.90	(48.3)
1.30	(33.0)	42	35	1.85	(47.0)
1.25	(32.0)	48	40	1.80	(45.7)
1.20	(30.5)	54	44	1.75	(44.5)
1.15	(29.0)	60	48	1.70	(43.2)
1.10	(28.0)	65	52	1.65	(41.9)
1.05	(26.5)	70	56	1.60	(40.6)
1.00	(25.5)	75	60	1.55	(39.4)
0.95	(24.0)	80	64	1.50	(38.1)
0.90	(23.0)	85	68	1.45	(36.8)
0.85	(21.5)	90	72	1.40	(35.6)
0.80	(20.5)	95	76	1.35	(34.3)
0.75	(19.0)	100	80	1.30	(33.0)
0.70	(18.0)	105	84	1.25	(31.8)
0.65	(16.5)	110	88	1.20	(30.5)
0.60	(15.0)	115	92	1.15	(29.2)
0.55	(14.0)	120	96	1.10	(27.9)
0.50	(12.5)		100	1.05	(26.7)
0.45	(11.5)		104	1.00	(25.4)
0.40	(10.0)		108	0.95	(24.1)
0.35	(9.0)		112	0.90	(22.9)
0.30	(7.5)		116	0.85	(21.6)
0.25	(6.5)		120	0.80	(20.3)

Undercarriage Code: 364, 365

Track Shoes

Triple Grouser

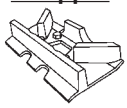


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.05	(26.5)	0	1.65	(41.9)
1.00	(25.5)	10	1.60	(40.6)
0.95	(24.0)	19	1.55	(39.4)
0.90	(23.0)	28	1.50	(38.1)
0.85	(21.5)	37	1.45	(36.8)
0.80	(20.5)	46	1.40	(35.6)
0.75	(19.0)	55	1.35	(34.3)
0.70	(18.0)	64	1.30	(33.0)
0.65	(16.5)	73	1.25	(31.8)
0.60	(15.0)	82	1.20	(30.5)
0.55	(14.0)	91	1.15	(29.2)
0.50	(12.5)	100	1.10	(27.9)
0.45	(11.5)	109	1.05	(26.7)
0.40	(10.0)	118	1.00	(25.4)
0.35	(9.0)	127	0.95	(24.1)

Undercarriage Code: 364, 365

Track Shoes

Chopper

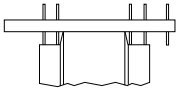


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
2.75	(70.0)	0	3.30	(83.8)
2.65	(67.5)	5	3.20	(81.3)
2.55	(65.0)	10	3.10	(78.7)
2.45	(62.0)	15	3.00	(76.2)
2.35	(59.5)	20	2.90	(73.7)
2.25	(57.0)	25	2.80	(71.1)
2.15	(54.5)	30	2.70	(68.6)
2.05	(52.0)	35	2.60	(66.0)
1.95	(49.5)	40	2.50	(63.5)
1.85	(47.0)	45	2.40	(61.0)
1.75	(44.5)	50	2.30	(58.4)
1.65	(42.0)	55	2.20	(55.9)
1.55	(39.5)	60	2.10	(53.3)
1.45	(37.0)	65	2.00	(50.8)
1.35	(34.5)	70	1.90	(48.3)
1.25	(31.5)	75	1.80	(45.7)
1.15	(29.0)	80	1.70	(43.2)
1.05	(26.5)	85	1.60	(40.6)
0.95	(24.0)	90	1.50	(38.1)
0.85	(21.5)	95	1.40	(35.6)
0.75	(19.0)	100	1.30	(33.0)
0.65	(16.5)	104	1.20	(30.5)
0.55	(14.0)	108	1.10	(27.9)
0.45	(11.5)	112	1.00	(25.4)
0.35	(9.0)	116	0.90	(22.9)
0.25	(6.5)	120	0.80	(20.3)

NOTE: When measuring with the Ultrasonic Wear Indicator, measure in the center of the full length grouser.

Undercarriage Code: 364, 365

Idlers





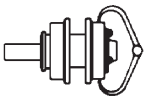
Depth Gauge Inches	(mm)	% Worn
0.78	(20.0)	0
0.80	(20.5)	6
0.82	(21.0)	12
0.84	(21.5)	18
0.86	(22.0)	24
0.88	(22.5)	30
0.90	(23.0)	36
0.92	(23.5)	42
0.94	(24.0)	48
0.96	(24.5)	54
0.98	(25.0)	60
1.00	(25.5)	66
1.02	(26.0)	72
1.04	(26.5)	76
1.06	(27.0)	78
1.08	(27.5)	80
1.10	(28.0)	82
1.12	(28.5)	84
1.14	(29.0)	86
1.16	(29.5)	88
1.18	(30.0)	90
1.20	(30.5)	92
1.22	(31.0)	94
1.24	(31.5)	96
1.26	(32.0)	98
1.28	(32.5)	100
1.30	(33.0)	102
1.32	(33.5)	104
1.34	(34.0)	106
1.36	(34.5)	108
1.38	(35.0)	110
1.40	(35.5)	112
1.42	(36.0)	114
1.44	(36.5)	116
1.46	(37.0)	118
1.48	(37.5)	120

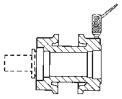
Flange width: 3.74" (95 mm)

Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.49	(12.4)	0.00	(0.0)
0.47	(11.9)	0.02	(0.5)
0.45	(11.4)	0.04	(1.0)
0.43	(10.9)	0.06	(1.5)
0.41	(10.4)	0.08	(2.0)
0.39	(9.9)	0.10	(2.5)
0.37	(9.4)	0.12	(3.0)
0.35	(8.9)	0.14	(3.5)
0.33	(8.4)	0.16	(4.0)
0.31	(7.9)	0.18	(4.5)
0.29	(7.4)	0.20	(5.0)
0.27	(6.9)	0.22	(5.5)
0.25	(6.3)	0.24	(6.0)
0.23	(5.8)	0.26	(6.5)
0.21	(5.3)	0.28	(7.0)
0.19	(4.8)	0.30	(7.5)
0.17	(4.3)	0.32	(8.0)
0.15	(3.8)	0.34	(8.5)
0.13	(3.3)	0.36	(9.0)
0.11	(2.8)	0.38	(9.5)
0.09	(2.3)	0.40	(10.0)
0.07	(1.8)	0.42	(10.5)
0.05	(1.3)	0.44	(11.0)
0.03	(0.8)	0.46	(11.5)
0.01	(0.3)	0.48	(12.0)

NOTE: Ultrasonic measurement is to determine flange wear only.

Carrier Rollers

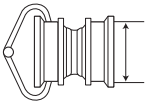
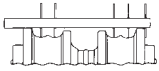
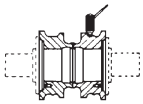




Caliper Inches	Caliper (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
7.38	(187.5)	0	1.86	(47.2)
7.34	(186.5)	4	1.84	(46.7)
7.30	(185.5)	8	1.82	(46.2)
7.26	(184.5)	12	1.80	(45.7)
7.22	(183.5)	16	1.78	(45.2)
7.18	(182.5)	20	1.76	(44.7)
7.14	(181.5)	24	1.74	(44.2)
7.10	(180.5)	28	1.72	(43.7)
7.06	(179.5)	32	1.70	(43.2)
7.02	(178.5)	36	1.68	(42.7)
6.98	(177.5)	40	1.66	(42.2)
6.94	(176.5)	44	1.64	(41.7)
6.90	(175.5)	48	1.62	(41.1)
6.86	(174.0)	52	1.60	(40.6)
6.82	(173.0)	56	1.58	(40.1)
6.78	(172.0)	60	1.56	(39.6)
6.74	(171.0)	64	1.54	(39.1)
6.70	(170.0)	68	1.52	(38.6)
6.66	(169.0)	70	1.50	(38.1)
6.62	(168.0)	72	1.48	(37.6)
6.58	(167.0)	74	1.46	(37.1)
6.54	(166.0)	76	1.44	(36.6)
6.50	(165.0)	78	1.42	(36.1)
6.46	(164.0)	80	1.40	(35.6)
6.42	(163.0)	82	1.38	(35.1)
6.38	(162.0)	84	1.36	(34.5)
6.34	(161.0)	86	1.34	(34.0)
6.30	(160.0)	88	1.32	(33.5)
6.26	(159.0)	90	1.30	(33.0)
6.22	(158.0)	92	1.28	(32.5)
6.18	(157.0)	94	1.26	(32.0)
6.14	(156.0)	96	1.24	(31.5)
6.10	(155.0)	98	1.22	(31.0)
6.06	(154.0)	100	1.20	(30.5)
6.02	(153.0)	102	1.18	(30.0)
5.98	(152.0)	104	1.16	(29.5)
5.94	(151.0)	106	1.14	(29.0)
5.90	(150.0)	108	1.12	(28.4)
5.86	(149.0)	110	1.10	(27.9)
5.82	(148.0)	112	1.08	(27.4)
5.78	(147.0)	114	1.06	(26.9)
5.74	(146.0)	116	1.04	(26.4)
5.70	(145.0)	118	1.02	(25.9)
5.66	(144.0)	120	1.00	(25.4)

Undercarriage Code: 364, 365

Track Rollers

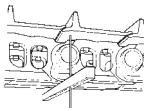
Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
8.25	(209.5)	0	0.59	(15.0)	1.87	(47.5)
8.21	(208.5)	3	0.61	(15.5)	1.85	(47.0)
8.17	(207.5)	6	0.63	(16.0)	1.83	(46.5)
8.13	(206.5)	9	0.65	(16.5)	1.81	(46.0)
8.09	(205.5)	12	0.67	(17.0)	1.79	(45.5)
8.05	(204.5)	15	0.69	(17.5)	1.77	(45.0)
8.01	(203.5)	18	0.71	(18.0)	1.75	(44.5)
7.97	(202.5)	21	0.73	(18.5)	1.73	(43.9)
7.93	(201.5)	24	0.75	(19.0)	1.71	(43.4)
7.89	(200.5)	27	0.77	(19.5)	1.69	(42.9)
7.85	(199.5)	30	0.79	(20.0)	1.67	(42.4)
7.81	(198.5)	33	0.81	(20.5)	1.65	(41.9)
7.77	(197.5)	36	0.83	(21.0)	1.63	(41.4)
7.73	(196.5)	39	0.85	(21.5)	1.61	(40.9)
7.69	(195.5)	42	0.87	(22.0)	1.59	(40.4)
7.65	(194.5)	45	0.89	(22.5)	1.57	(39.9)
7.61	(193.5)	48	0.91	(23.0)	1.55	(39.4)
7.57	(192.5)	51	0.93	(23.5)	1.53	(38.9)
7.53	(191.5)	54	0.95	(24.0)	1.51	(38.4)
7.49	(190.0)	57	0.97	(24.5)	1.49	(37.8)
7.45	(189.0)	60	0.99	(25.0)	1.47	(37.3)
7.41	(188.0)	62	1.01	(25.5)	1.45	(36.8)
7.37	(187.0)	64	1.03	(26.0)	1.43	(36.3)
7.33	(186.0)	66	1.05	(26.5)	1.41	(35.8)
7.29	(185.0)	68	1.07	(27.0)	1.39	(35.3)
7.25	(184.0)	70	1.09	(27.5)	1.37	(34.8)
7.21	(183.0)	72	1.11	(28.0)	1.35	(34.3)
7.17	(182.0)	74	1.13	(28.5)	1.33	(33.8)
7.13	(181.0)	76	1.15	(29.0)	1.31	(33.3)
7.09	(180.0)	78	1.17	(29.5)	1.29	(32.8)
7.05	(179.0)	80	1.19	(30.0)	1.27	(32.3)
7.01	(178.0)	82	1.21	(30.5)	1.25	(31.8)
6.97	(177.0)	84	1.23	(31.0)	1.23	(31.2)
6.93	(176.0)	86	1.25	(32.0)	1.21	(30.7)
6.89	(175.0)	88	1.27	(32.5)	1.19	(30.2)
6.85	(174.0)	90	1.29	(33.0)	1.17	(29.7)
6.81	(173.0)	92	1.31	(33.5)	1.15	(29.2)
6.77	(172.0)	94	1.33	(34.0)	1.13	(28.7)
6.73	(171.0)	96	1.35	(34.5)	1.11	(28.2)
6.69	(170.0)	98	1.37	(35.0)	1.09	(27.7)
6.65	(169.0)	100	1.39	(35.5)	1.07	(27.2)
6.61	(168.0)	102	1.41	(36.0)	1.05	(26.7)
6.57	(167.0)	104	1.43	(36.5)	1.03	(26.2)
6.53	(166.0)	106	1.45	(37.0)	1.01	(25.7)
6.49	(165.0)	108	1.47	(37.5)	0.99	(25.1)
6.45	(164.0)	110	1.49	(38.0)	0.97	(24.6)
6.41	(163.0)	112	1.51	(38.5)	0.95	(24.1)
6.37	(162.0)	114	1.53	(39.0)	0.93	(23.6)
6.33	(161.0)	116	1.55	(39.5)	0.91	(23.1)
6.29	(160.0)	118	1.57	(40.0)	0.89	(22.6)
6.25	(159.0)	120	1.59	(40.5)	0.87	(22.1)

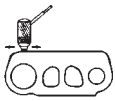
Flange diameter is 9.43" (240 mm)

Undercarriage Code: 364, 365

Track Links

6Y2593 & 94
7T4657 & 58



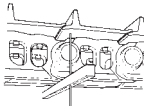


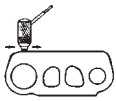
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
5.23	(133.0)	0	1.64	(41.7)
5.21	(132.5)	4	1.62	(41.1)
5.19	(132.0)	8	1.60	(40.6)
5.17	(131.5)	12	1.58	(40.1)
5.15	(131.0)	16	1.56	(39.6)
5.13	(130.5)	20	1.54	(39.1)
5.11	(130.0)	24	1.52	(38.6)
5.09	(129.5)	28	1.50	(38.1)
5.07	(129.0)	32	1.48	(37.6)
5.05	(128.5)	36	1.46	(37.1)
5.03	(128.0)	40	1.44	(36.6)
5.01	(127.5)	44	1.42	(36.1)
4.99	(126.5)	48	1.40	(35.6)
4.97	(126.0)	52	1.38	(35.1)
4.95	(125.5)	56	1.36	(34.5)
4.93	(125.0)	60	1.34	(34.0)
4.91	(124.5)	64	1.32	(33.5)
4.89	(124.0)	68	1.30	(33.0)
4.87	(123.5)	72	1.28	(32.5)
4.85	(123.0)	76	1.26	(32.0)
4.83	(122.5)	80	1.24	(31.5)
4.81	(122.0)	84	1.22	(31.0)
4.79	(121.5)	88	1.20	(30.5)
4.77	(121.0)	92	1.18	(30.0)
4.75	(120.5)	96	1.16	(29.5)
4.73	(120.0)	100	1.14	(29.0)
4.71	(119.5)	103	1.12	(28.4)
4.69	(119.0)	106	1.10	(27.9)
4.67	(118.5)	109	1.08	(27.4)
4.65	(118.0)	112	1.06	(26.9)
4.63	(117.5)	115	1.04	(26.4)
4.61	(117.0)	118	1.02	(25.9)
4.59	(116.5)	121	1.00	(25.4)

Undercarriage Code: 373, 374

Track Links

Rotating Bushing Track
6I9239 & 40



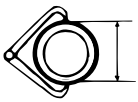


Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
5.50	(139.5)	0	1.66	(42.2)
5.48	(139.0)	4	1.64	(41.7)
5.46	(138.5)	8	1.62	(41.1)
5.44	(138.0)	12	1.60	(40.6)
5.42	(137.5)	16	1.58	(40.1)
5.40	(137.0)	20	1.56	(39.6)
5.38	(136.5)	24	1.54	(39.1)
5.36	(136.0)	28	1.52	(38.6)
5.34	(135.5)	32	1.50	(38.1)
5.32	(135.0)	36	1.48	(37.6)
5.30	(134.5)	40	1.46	(37.1)
5.28	(134.0)	44	1.44	(36.6)
5.26	(133.5)	48	1.42	(36.1)
5.24	(133.0)	52	1.40	(35.6)
5.22	(132.5)	56	1.38	(35.1)
5.20	(132.0)	60	1.36	(34.5)
5.18	(131.5)	64	1.34	(34.0)
5.16	(131.0)	68	1.32	(33.5)
5.14	(130.5)	72	1.30	(33.0)
5.12	(130.0)	76	1.28	(32.5)
5.10	(129.5)	80	1.26	(32.0)
5.08	(129.0)	84	1.24	(31.5)
5.06	(128.5)	88	1.22	(31.0)
5.04	(128.0)	92	1.20	(30.5)
5.02	(127.5)	96	1.18	(30.0)
5.00	(127.0)	100	1.16	(29.5)
4.98	(126.5)	104	1.14	(29.0)
4.96	(126.0)	108	1.12	(28.4)
4.94	(125.5)	112	1.10	(27.9)
4.92	(125.0)	116	1.08	(27.4)
4.90	(124.5)	120	1.06	(26.9)

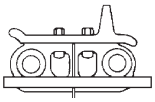
Undercarriage Code: 375

Bushings for Sealed & Lubricated Track

Use with 6Y & 7T Links





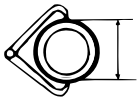


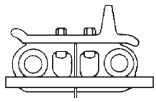
Caliper		Allowable Wear		Ultrasonic		Depth Gauge	
		Lesser	Greater				
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
3.04	(77.2)	0	0	0.56	(14.2)	3.69	(93.7)
3.03	(77.0)	6	5	0.55	(14.0)	3.68	(93.5)
3.02	(76.7)	12	10	0.54	(13.7)	3.67	(93.2)
3.01	(76.5)	18	15	0.53	(13.5)	3.66	(93.0)
3.00	(76.2)	24	20	0.52	(13.2)	3.65	(92.7)
2.99	(75.9)	30	25	0.51	(13.0)	3.64	(92.5)
2.98	(75.7)	36	30	0.50	(12.7)	3.63	(92.2)
2.97	(75.4)	42	35	0.49	(12.4)	3.62	(91.9)
2.96	(75.2)	48	40	0.48	(12.2)	3.61	(91.7)
2.95	(74.9)	54	45	0.47	(11.9)	3.60	(91.4)
2.94	(74.7)	58	50	0.46	(11.7)	3.59	(91.2)
2.93	(74.4)	61	54	0.45	(11.4)	3.58	(90.9)
2.92	(74.2)	64	56	0.44	(11.2)	3.57	(90.7)
2.91	(73.9)	67	58	0.43	(10.9)	3.56	(90.4)
2.90	(73.7)	70	60	0.42	(10.7)	3.55	(90.2)
2.89	(73.4)	73	62	0.41	(10.4)	3.54	(89.9)
2.88	(73.2)	76	64	0.40	(10.2)	3.53	(89.7)
2.87	(72.9)	79	66	0.39	(9.9)	3.52	(89.4)
2.86	(72.6)	82	68	0.38	(9.7)	3.51	(89.2)
2.85	(72.4)	85	70	0.37	(9.4)	3.50	(88.9)
2.84	(72.1)	88	72	0.36	(9.1)	3.49	(88.6)
2.83	(71.9)	91	74	0.35	(8.9)	3.48	(88.4)
2.82	(71.6)	94	76	0.34	(8.6)	3.47	(88.1)
2.81	(71.4)	97	78	0.33	(8.4)	3.46	(87.9)
2.80	(71.1)	100	80	0.32	(8.1)	3.45	(87.6)
	(70.9)	103	82	0.31	(7.9)	3.44	(87.4)
2.78	(70.6)	106	84	0.30	(7.6)	3.43	(87.1)
2.77	(70.4)	109	86	0.29	(7.4)	3.42	(86.9)
2.76	(70.1)	112	88	0.28	(7.1)	3.41	(86.6)
2.75	(69.9)	115	90	0.27	(6.9)	3.40	(86.4)
2.74	(69.6)	118	92	0.26	(6.6)	3.39	(86.1)
2.73	(69.3)	121	94	0.25	(6.3)	3.38	(85.9)
2.72	(69.1)		96	0.24	(6.1)	3.37	(85.6)
2.71	(68.8)		98	0.23	(5.8)	3.36	(85.3)
2.70	(68.6)		100	0.22	(5.6)	3.35	(85.1)
2.69	(68.3)		102	0.21	(5.3)	3.34	(84.8)
2.68	(68.1)		104	0.20	(5.1)	3.33	(84.6)
2.67	(67.8)		106	0.19	(4.8)	3.32	(84.3)
2.66	(67.6)		108	0.18	(4.6)	3.31	(84.1)
2.65	(67.3)		110	0.17	(4.3)	3.30	(83.8)
2.64	(67.1)		112	0.16	(4.1)	3.29	(83.6)
2.63	(66.8)		114	0.15	(3.8)	3.28	(83.3)
2.62	(66.5)		116	0.14	(3.6)	3.27	(83.1)
2.61	(66.3)		118	0.13	(3.3)	3.26	(82.8)
2.60	(66.0)		120	0.12	(3.0)	3.25	(82.6)

Undercarriage Code: 373, 374

Bushings for Rotating Bushing Track

Use with 6I Links





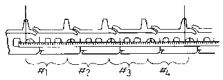
Caliper			Ultrasonic		Depth Gauge	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
3.11	(79.0)	0	0.61	(15.5)	3.86	(98.0)
3.09	(78.5)	4	0.60	(15.2)	3.85	(97.8)
3.07	(78.0)	8	0.59	(15.0)	3.84	(97.5)
3.05	(77.5)	12	0.58	(14.7)	3.83	(97.3)
3.03	(77.0)	16	0.57	(14.5)	3.82	(97.0)
3.01	(76.5)	20	0.56	(14.2)	3.81	(96.8)
2.99	(75.9)	24	0.55	(14.0)	3.80	(96.5)
2.97	(75.4)	28	0.54	(13.7)	3.79	(96.3)
2.95	(74.9)	32	0.53	(13.5)	3.78	(96.0)
2.93	(74.4)	36	0.52	(13.2)	3.77	(95.8)
2.91	(73.9)	38	0.51	(13.0)	3.76	(95.5)
2.89	(73.4)	40	0.50	(12.7)	3.75	(95.3)
2.87	(72.9)	42	0.49	(12.4)	3.74	(95.0)
2.85	(72.4)	44	0.48	(12.2)	3.73	(94.7)
2.83	(71.9)	46	0.47	(11.9)	3.72	(94.5)
2.81	(71.4)	48	0.46	(11.7)	3.71	(94.2)
2.79	(70.9)	50	0.45	(11.4)	3.70	(94.0)
2.77	(70.4)	52	0.44	(11.2)	3.69	(93.7)
2.75	(69.9)	54	0.43	(10.9)	3.68	(93.5)
2.73	(69.3)	56	0.42	(10.7)	3.67	(93.2)
2.71	(68.8)	58	0.41	(10.4)	3.66	(93.0)
2.69	(68.3)	60	0.40	(10.2)	3.65	(92.7)
2.67	(67.8)	62	0.39	(9.9)	3.64	(92.5)
2.65	(67.3)	64	0.38	(9.7)	3.63	(92.2)
2.63	(66.8)	66	0.37	(9.4)	3.62	(91.9)
2.61	(66.3)	68	0.36	(9.1)	3.61	(91.7)
2.59	(65.8)	70	0.35	(8.9)	3.60	(91.4)
2.57	(65.3)	72	0.34	(8.6)	3.59	(91.2)
2.55	(64.8)	74	0.33	(8.4)	3.58	(90.9)
2.53	(64.3)	76	0.32	(8.1)	3.57	(90.7)
2.51	(63.8)	78	0.31	(7.9)	3.56	(90.4)
2.49	(63.2)	80	0.30	(7.6)	3.55	(90.2)
2.47	(62.7)	82	0.29	(7.4)	3.54	(89.9)
2.45	(62.2)	84	0.28	(7.1)	3.53	(89.7)
2.43	(61.7)	86	0.27	(6.9)	3.52	(89.4)
2.41	(61.2)	88	0.26	(6.6)	3.51	(89.2)
2.39	(60.7)	90	0.25	(6.3)	3.50	(88.9)
2.37	(60.2)	92	0.24	(6.1)	3.49	(88.6)
2.35	(59.7)	94	0.23	(5.8)	3.48	(88.4)
2.33	(59.2)	96	0.22	(5.6)	3.47	(88.1)
2.31	(58.7)	98	0.21	(5.3)	3.46	(87.9)
2.29	(58.2)	100	0.20	(5.1)	3.45	(87.6)
2.27	(57.7)	102	0.19	(4.8)	3.44	(87.4)
2.25	(57.2)	104	0.18	(4.6)	3.43	(87.1)
2.23	(56.6)	106	0.17	(4.3)	3.42	(86.9)
2.21	(56.1)	108	0.16	(4.1)	3.41	(86.6)
2.19	(55.6)	110	0.15	(3.8)	3.40	(86.4)
2.17	(55.1)	112	0.14	(3.6)	3.39	(86.1)
2.15	(54.6)	114	0.13	(3.3)	3.38	(85.9)
2.13	(54.1)	116	0.12	(3.0)	3.37	(85.6)
2.11	(53.6)	118	0.11	(2.8)	3.36	(85.3)
2.09	(53.1)	120	0.10	(2.5)	3.35	(85.1)

CAUTION — DO NOT USE DEPTH GAUGE UNTIL BUSHINGS HAVE BEEN "TURNED."

Undercarriage Code: 375

Pins and Bushings for Sealed Track

Internal Wear

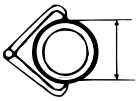


Inches	(mm)	% Worn
34.05	(865.0)	0
34.10	(866.0)	10
34.15	(867.5)	20
34.20	(868.5)	30
34.25	(870.0)	40
34.30	(871.0)	50
34.35	(872.5)	60
34.40	(874.0)	70
34.45	(875.0)	80
34.50	(876.5)	90
34.55	(877.5)	100
34.60	(879.0)	105
34.65	(880.0)	110
34.70	(881.5)	115
34.75	(882.5)	120

Undercarriage Code: 373, 374

Track Bushings for Sealed Track

External Wear





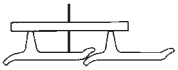
Caliper		Allowable Wear		Ultrasonic	
		Lesser	Greater		
Inches	(mm)	% Worn	% Worn	Inches	(mm)
2.83	(71.9)	0	0	0.46	(11.7)
2.82	(71.6)	9	7	0.45	(11.4)
2.81	(71.4)	18	14	0.44	(11.2)
2.80	(71.1)	27	21	0.43	(10.9)
2.79	(70.9)	36	28	0.42	(10.7)
2.78	(70.6)	45	35	0.41	(10.4)
2.77	(70.4)	54	42	0.40	(10.2)
2.76	(70.1)	63	49	0.39	(9.9)
2.75	(69.9)	72	56	0.38	(9.7)
2.74	(69.6)	81	63	0.37	(9.4)
2.73	(69.3)	88	70	0.36	(9.1)
2.72	(69.1)	92	73	0.35	(8.9)
2.71	(68.8)	96	76	0.34	(8.6)
2.70	(68.6)	100	79	0.33	(8.4)
2.69	(68.3)	104	82	0.32	(8.1)
2.68	(68.1)	108	85	0.31	(7.9)
2.67	(67.8)	112	88	0.30	(7.6)
2.66	(67.6)	116	91	0.29	(7.4)
2.65	(67.3)	120	94	0.28	(7.1)
2.64	(67.1)		97	0.27	(6.9)
2.63	(66.8)		100	0.26	(6.6)
2.62	(66.5)		103	0.25	(6.4)
2.61	(66.3)		106	0.24	(6.1)
2.60	(66.0)		109	0.23	(5.8)
2.59	(65.8)		112	0.22	(5.6)
2.58	(65.5)		115	0.21	(5.3)
2.57	(65.3)		118	0.20	(5.1)
2.56	(65.0)		121	0.19	(4.8)

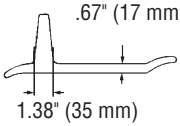
Undercarriage Code: 373, 374

973 — 8.50" (215.9 mm)

Track Shoes

Extreme Service





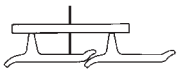


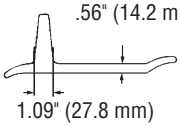
Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
2.80	(71.0)	0	0	3.45	(87.6)
2.75	(70.0)	4	3	3.40	(86.4)
2.70	(68.5)	8	6	3.35	(85.1)
2.65	(67.5)	12	9	3.30	(83.8)
2.60	(66.0)	16	12	3.25	(82.6)
2.55	(65.0)	20	15	3.20	(81.3)
2.50	(63.5)	24	18	3.15	(80.0)
2.45	(62.0)	28	21	3.10	(78.7)
2.40	(61.0)	32	24	3.05	(77.5)
2.35	(59.5)	36	27	3.00	(76.2)
2.30	(58.5)	40	30	2.95	(74.9)
2.25	(57.0)	44	33	2.90	(73.7)
2.20	(56.0)	48	36	2.85	(72.4)
2.15	(54.5)	52	39	2.80	(71.1)
2.10	(53.5)	56	42	2.75	(69.9)
2.05	(52.0)	60	45	2.70	(68.6)
2.00	(51.0)	64	48	2.65	(67.3)
1.95	(49.5)	68	51	2.60	(66.0)
1.90	(48.5)	72	54	2.55	(64.8)
1.85	(47.0)	76	57	2.50	(63.5)
1.80	(45.5)	80	60	2.45	(62.2)
1.75	(44.5)	84	63	2.40	(61.0)
1.70	(43.0)	88	66	2.35	(59.7)
1.65	(42.0)	91	69	2.30	(58.4)
1.60	(40.5)	94	72	2.25	(57.2)
1.55	(39.5)	97	75	2.20	(55.9)
1.50	(38.0)	100	78	2.15	(54.6)
1.45	(37.0)	103	81	2.10	(53.3)
1.40	(35.5)	106	84	2.05	(52.1)
1.35	(34.5)	109	86	2.00	(50.8)
1.30	(33.0)	112	88	1.95	(49.5)
1.25	(32.0)	115	90	1.90	(48.3)
1.20	(30.5)	118	92	1.85	(47.0)
1.15	(29.0)	121	94	1.80	(45.7)
1.10	(28.0)		96	1.75	(44.5)
1.05	(26.5)		98	1.70	(43.2)
1.00	(25.5)		100	1.65	(41.9)
0.95	(24.0)		102	1.60	(40.6)
0.90	(23.0)		104	1.55	(39.4)
0.85	(21.5)		106	1.50	(38.1)
0.80	(20.5)		108	1.45	(36.8)
0.75	(19.0)		110	1.40	(35.6)
0.70	(18.0)		112	1.35	(34.3)
0.65	(16.5)		114	1.30	(33.0)
0.60	(15.0)		116	1.25	(31.8)
0.55	(14.0)		118	1.20	(30.5)
0.50	(12.5)		120	1.15	(29.2)

Undercarriage Code: 373, 374, 735

Track Shoes

Moderate Service







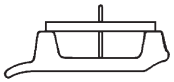
Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
2.75	(70.0)	0	0	3.30	(83.8)
2.70	(68.5)	4	3	3.25	(82.6)
2.65	(67.5)	8	6	3.20	(81.3)
2.60	(66.0)	12	9	3.15	(80.0)
2.55	(65.0)	16	12	3.10	(78.7)
2.50	(63.5)	20	15	3.05	(77.5)
2.45	(62.0)	24	18	3.00	(76.2)
2.40	(61.0)	28	21	2.95	(74.9)
2.35	(59.5)	32	24	2.90	(73.7)
2.30	(58.5)	36	27	2.85	(72.4)
2.25	(57.0)	40	30	2.80	(71.1)
2.20	(56.0)	44	33	2.75	(69.9)
2.15	(54.5)	48	36	2.70	(68.6)
2.10	(53.5)	52	39	2.65	(67.3)
2.05	(52.0)	56	42	2.60	(66.0)
2.00	(51.0)	60	45	2.55	(64.8)
1.95	(49.5)	64	48	2.50	(63.5)
1.90	(48.5)	68	51	2.45	(62.2)
1.85	(47.0)	72	54	2.40	(61.0)
1.80	(45.5)	76	57	2.35	(59.7)
1.75	(44.5)	80	60	2.30	(58.4)
1.70	(43.0)	84	63	2.25	(57.2)
1.65	(42.0)	88	66	2.20	(55.9)
1.60	(40.5)	92	69	2.15	(54.6)
1.55	(39.5)	96	72	2.10	(53.3)
1.50	(38.0)	100	75	2.05	(52.1)
1.45	(37.0)	104	78	2.00	(50.8)
1.40	(35.5)	108	81	1.95	(49.5)
1.35	(34.5)	112	84	1.90	(48.3)
1.30	(33.0)	116	87	1.85	(47.0)
1.25	(32.0)	120	90	1.80	(45.7)
1.20	(30.5)		92	1.75	(44.5)
1.15	(29.0)		94	1.70	(43.2)
1.10	(28.0)		96	1.65	(41.9)
1.05	(26.5)		98	1.60	(40.6)
1.00	(25.5)		100	1.55	(39.4)
0.95	(24.0)		102	1.50	(38.1)
0.90	(23.0)		104	1.45	(36.8)
0.85	(21.5)		106	1.40	(35.6)
0.80	(20.5)		108	1.35	(34.3)
0.75	(19.0)		110	1.30	(33.0)
0.70	(18.0)		112	1.25	(31.8)
0.65	(16.5)		114	1.20	(30.5)
0.60	(15.0)		116	1.15	(29.2)
0.55	(14.0)		118	1.10	(27.9)
0.50	(12.5)		120	1.05	(26.7)

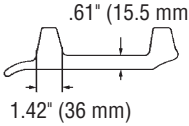
Undercarriage Code: 373, 374, 375

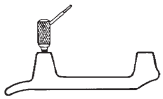
973 — 8.50" (215.9 mm)

Track Shoes

Double Grouser





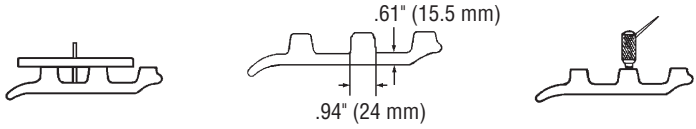


Depth Gauge Inches	(mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	(mm)
1.95	(49.5)	0	0	2.55	(64.8)
1.90	(48.5)	5	4	2.50	(63.5)
1.85	(47.0)	10	8	2.45	(62.2)
1.80	(45.5)	15	12	2.40	(61.0)
1.75	(44.5)	20	16	2.35	(59.7)
1.70	(43.0)	24	20	2.30	(58.4)
1.65	(42.0)	28	24	2.25	(57.2)
1.60	(40.5)	32	28	2.20	(55.9)
1.55	(39.5)	36	32	2.15	(54.6)
1.50	(38.0)	40	36	2.10	(53.3)
1.45	(37.0)	44	40	2.05	(52.1)
1.40	(35.5)	48	44	2.00	(50.8)
1.35	(34.5)	52	48	1.95	(49.5)
1.30	(33.0)	56	52	1.90	(48.3)
1.25	(32.0)	60	55	1.85	(47.0)
1.20	(30.5)	64	58	1.80	(45.7)
1.15	(29.0)	68	61	1.75	(44.5)
1.10	(28.0)	72	64	1.70	(43.2)
1.05	(26.5)	76	67	1.65	(41.9)
1.00	(25.5)	80	70	1.60	(40.6)
0.95	(24.0)	84	73	1.55	(39.4)
0.90	(23.0)	88	76	1.50	(38.1)
0.85	(21.5)	92	79	1.45	(36.8)
0.80	(20.5)	96	82	1.40	(35.6)
0.75	(19.0)	100	85	1.35	(34.3)
0.70	(18.0)	104	88	1.30	(33.0)
0.65	(16.5)	108	91	1.25	(31.8)
0.60	(15.0)	112	94	1.20	(30.5)
0.55	(14.0)	116	97	1.15	(29.2)
0.50	(12.5)	120	100	1.10	(27.9)
0.45	(11.5)		103	1.05	(26.7)
0.40	(10.0)		106	1.00	(25.4)
0.35	(9.0)		109	0.95	(24.1)
0.30	(7.5)		112	0.90	(22.9)
0.25	(6.5)		115	0.85	(21.6)
0.20	(5.0)		118	0.80	(20.3)
0.15	(4.0)		121	0.75	(19.1)

Undercarriage Code: 373, 374, 375

Track Shoes

Triple Grouser

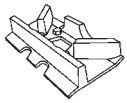


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.35	(34.5)	0	1.95	(49.5)
1.30	(33.0)	6	1.90	(48.2)
1.25	(32.0)	12	1.85	(47.0)
1.20	(30.5)	18	1.80	(45.7)
1.15	(29.0)	24	1.75	(44.4)
1.10	(28.0)	30	1.70	(43.2)
1.05	(26.5)	36	1.65	(41.9)
1.00	(25.5)	42	1.60	(40.6)
0.95	(24.0)	48	1.55	(39.3)
0.90	(23.0)	54	1.50	(38.1)
0.85	(21.5)	60	1.45	(36.8)
0.80	(20.5)	66	1.40	(35.5)
0.75	(19.0)	72	1.35	(34.3)
0.70	(18.0)	78	1.30	(33.0)
0.65	(16.5)	84	1.25	(31.7)
0.60	(15.0)	90	1.20	(30.5)
0.55	(14.0)	95	1.15	(29.2)
0.50	(12.5)	100	1.10	(27.9)
0.45	(11.5)	105	1.05	(26.6)
0.40	(10.0)	110	1.00	(25.4)
0.35	(9.0)	115	0.95	(24.1)
0.30	(7.5)	120	0.90	(22.8)

Undercarriage Code: 373, 374, 375

Track Shoes

Chopper

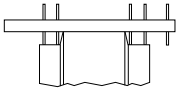


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
3.15	(80.0)	0	3.75	(95.3)
3.05	(77.5)	5	3.65	(92.7)
2.95	(75.0)	10	3.55	(90.2)
2.85	(72.5)	15	3.45	(87.6)
2.75	(70.0)	20	3.35	(85.1)
2.65	(67.5)	24	3.25	(82.6)
2.55	(65.0)	28	3.15	(80.0)
2.45	(62.0)	32	3.05	(77.5)
2.35	(59.5)	36	2.95	(74.9)
2.25	(57.0)	40	2.85	(72.4)
2.15	(54.5)	44	2.75	(69.9)
2.05	(52.0)	48	2.65	(67.3)
1.95	(49.5)	52	2.55	(64.8)
1.85	(47.0)	56	2.45	(62.2)
1.75	(44.5)	60	2.35	(59.7)
1.65	(42.0)	64	2.25	(57.2)
1.55	(39.5)	68	2.15	(54.6)
1.45	(37.0)	72	2.05	(52.1)
1.35	(34.5)	76	1.95	(49.5)
1.25	(31.5)	80	1.85	(47.0)
1.15	(29.0)	84	1.75	(44.5)
1.05	(26.5)	88	1.65	(41.9)
0.95	(24.0)	92	1.55	(39.4)
0.85	(21.5)	96	1.45	(36.8)
0.75	(19.0)	100	1.35	(34.3)
0.65	(16.5)	104	1.25	(31.7)
0.55	(14.0)	108	1.15	(29.2)
0.45	(11.5)	112	1.05	(26.7)
0.35	(9.0)	116	0.95	(24.1)
0.25	(6.5)	120	0.85	(21.6)

NOTE: When measuring with the Ultrasonic Wear Indicator, measure in the center of the full length grouser.

Undercarriage Code: 373, 374, 375

Idlers





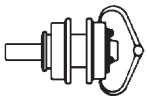
Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.78	(20.0)	0	0.48	(12.2)	0.00	(0.0)
0.80	(20.5)	6	0.46	(11.7)	0.02	(0.5)
0.82	(21.0)	12	0.44	(11.2)	0.04	(1.0)
0.84	(21.5)	18	0.42	(10.7)	0.06	(1.5)
0.86	(22.0)	24	0.40	(10.2)	0.08	(2.0)
0.88	(22.5)	30	0.38	(9.7)	0.10	(2.5)
0.90	(23.0)	36	0.36	(9.1)	0.12	(3.0)
0.92	(23.5)	42	0.34	(8.6)	0.14	(3.5)
0.94	(24.0)	48	0.32	(8.1)	0.16	(4.0)
0.96	(24.5)	54	0.30	(7.6)	0.18	(4.5)
0.98	(25.0)	60	0.28	(7.1)	0.20	(5.0)
1.00	(25.5)	66	0.26	(6.6)	0.22	(5.5)
1.02	(26.0)	72	0.24	(6.1)	0.24	(6.0)
1.04	(26.5)	76	0.22	(5.6)	0.26	(6.5)
1.06	(27.0)	78	0.20	(5.1)	0.28	(7.0)
1.08	(27.5)	80	0.18	(4.6)	0.30	(7.5)
1.10	(28.0)	82	0.16	(4.1)	0.32	(8.0)
1.12	(28.5)	84	0.14	(3.6)	0.34	(8.5)
1.14	(29.0)	86	0.12	(3.0)	0.36	(9.0)
1.16	(29.5)	88	0.10	(2.5)	0.38	(9.5)
1.18	(30.0)	90	0.08	(2.0)	0.40	(10.0)
1.20	(30.5)	92	0.06	(1.5)	0.42	(10.5)
1.22	(31.0)	94	0.04	(1.0)	0.44	(11.0)
1.24	(31.5)	96	0.02	(0.5)	0.46	(11.5)
1.26	(32.0)	98				
1.28	(32.5)	100				
1.30	(33.0)	102				
1.32	(33.5)	104				
1.34	(34.0)	106				
1.36	(34.5)	108				
1.38	(35.0)	110				
1.40	(35.5)	112				
1.42	(36.0)	114				
1.44	(36.5)	116				
1.46	(37.0)	118				
1.48	(37.5)	120				

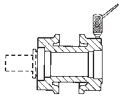
NOTE: Ultrasonic measurement is to determine flange wear only.

Flange width: 4.02" (102 mm)

Undercarriage Code: 373, 374, 375

Carrier Rollers



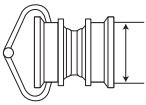
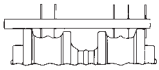
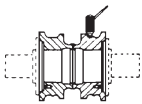


Caliper Inches	Caliper (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
7.50	(190.5)	0	1.92	(48.8)
7.46	(189.5)	4	1.90	(48.3)
7.42	(188.5)	8	1.88	(47.8)
7.38	(187.5)	12	1.86	(47.2)
7.34	(186.5)	16	1.84	(46.7)
7.30	(185.5)	20	1.82	(46.2)
7.26	(184.5)	24	1.80	(45.7)
7.22	(183.5)	28	1.78	(45.2)
7.18	(182.5)	32	1.76	(44.7)
7.14	(181.5)	36	1.74	(44.2)
7.10	(180.5)	40	1.72	(43.7)
7.06	(179.5)	44	1.70	(43.2)
7.02	(178.5)	48	1.68	(42.7)
6.98	(177.5)	50	1.66	(42.2)
6.94	(176.5)	52	1.64	(41.7)
6.90	(175.5)	54	1.62	(41.1)
6.86	(174.0)	56	1.60	(40.6)
6.82	(173.0)	58	1.58	(40.1)
6.78	(172.0)	60	1.56	(39.6)
6.74	(171.0)	62	1.54	(39.1)
6.70	(170.0)	64	1.52	(38.6)
6.66	(169.0)	66	1.50	(38.1)
6.62	(168.0)	68	1.48	(37.6)
6.58	(167.0)	70	1.46	(37.1)
6.54	(166.0)	72	1.44	(36.6)
6.50	(165.0)	74	1.42	(36.1)
6.46	(164.0)	76	1.40	(35.6)
6.42	(163.0)	78	1.38	(35.1)
6.38	(162.0)	80	1.36	(34.5)
6.34	(161.0)	82	1.34	(34.0)
6.30	(160.0)	84	1.32	(33.5)
6.26	(159.0)	86	1.30	(33.0)
6.22	(158.0)	88	1.28	(32.5)
6.18	(157.0)	90	1.26	(32.0)
6.14	(156.0)	92	1.24	(31.5)
6.10	(155.0)	94	1.22	(31.0)
6.06	(154.0)	96	1.20	(30.5)
6.02	(153.0)	98	1.18	(30.0)
5.98	(152.0)	100	1.16	(29.5)
5.94	(151.0)	102	1.14	(29.0)
5.90	(150.0)	104	1.12	(28.4)
5.86	(149.0)	106	1.10	(27.9)
5.82	(148.0)	108	1.08	(27.4)
5.78	(147.0)	110	1.06	(26.9)
5.74	(146.0)	112	1.04	(26.4)
5.70	(145.0)	114	1.02	(25.9)
5.66	(144.0)	116	1.00	(25.4)
5.62	(142.5)	118	0.98	(24.9)
5.58	(141.5)	120	0.96	(24.4)

Undercarriage Code: 373, 374, 375

Track Roller

Rollers with End Collars

Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
8.74	(222.0)	0	0.65	(16.5)	2.06	(52.3)
8.70	(221.0)	3	0.67	(17.0)	2.04	(51.8)
8.66	(220.0)	6	0.69	(17.5)	2.02	(51.3)
8.62	(219.0)	9	0.71	(18.0)	2.00	(50.8)
8.58	(218.0)	12	0.73	(18.5)	1.98	(50.3)
8.54	(217.0)	15	0.75	(19.0)	1.96	(49.8)
8.50	(216.0)	18	0.77	(19.5)	1.94	(49.3)
8.46	(215.0)	21	0.79	(20.0)	1.92	(48.8)
8.42	(214.0)	24	0.81	(20.5)	1.90	(48.3)
8.38	(213.0)	27	0.83	(21.0)	1.88	(47.8)
8.34	(212.0)	30	0.85	(21.5)	1.86	(47.2)
8.30	(211.0)	33	0.87	(22.0)	1.84	(46.7)
8.26	(210.0)	36	0.89	(22.5)	1.82	(46.2)
8.22	(209.0)	39	0.91	(23.0)	1.80	(45.7)
8.18	(208.0)	42	0.93	(23.5)	1.78	(45.2)
8.14	(207.0)	45	0.95	(24.0)	1.76	(44.7)
8.10	(205.5)	48	0.97	(24.5)	1.74	(44.2)
8.06	(204.5)	51	0.99	(25.0)	1.72	(43.7)
8.02	(203.5)	54	1.01	(25.5)	1.70	(43.2)
7.98	(202.5)	57	1.03	(26.0)	1.68	(42.7)
7.94	(201.5)	60	1.05	(26.5)	1.66	(42.2)
7.90	(200.5)	62	1.07	(27.0)	1.64	(41.7)
7.86	(199.5)	64	1.09	(27.5)	1.62	(41.1)
7.82	(198.5)	66	1.11	(28.0)	1.60	(40.6)
7.78	(197.5)	68	1.13	(28.5)	1.58	(40.1)
7.74	(196.5)	70	1.15	(29.0)	1.56	(39.6)
7.70	(195.5)	72	1.17	(29.5)	1.54	(39.1)
7.66	(194.5)	74	1.19	(30.0)	1.52	(38.6)
7.62	(193.5)	76	1.21	(30.5)	1.50	(38.1)
7.58	(192.5)	78	1.23	(31.0)	1.48	(37.6)
7.54	(191.5)	80	1.25	(32.0)	1.46	(37.1)
7.50	(190.5)	82	1.27	(32.5)	1.44	(36.6)
7.46	(189.5)	84	1.29	(33.0)	1.42	(36.1)
7.42	(188.5)	86	1.31	(33.5)	1.40	(35.6)
7.38	(187.5)	88	1.33	(34.0)	1.38	(35.1)
7.34	(186.5)	90	1.35	(34.5)	1.36	(34.5)
7.30	(185.5)	92	1.37	(35.0)	1.34	(34.0)
7.26	(184.5)	94	1.39	(35.5)	1.32	(33.5)
7.22	(183.5)	96	1.41	(36.0)	1.30	(33.0)
7.18	(182.5)	98	1.43	(36.5)	1.28	(32.5)
7.14	(181.5)	100	1.45	(37.0)	1.26	(32.0)
7.10	(180.5)	102	1.47	(37.5)	1.24	(31.5)
7.06	(179.5)	104	1.49	(38.0)	1.22	(31.0)
7.02	(178.5)	106	1.51	(38.5)	1.20	(30.5)
6.98	(177.5)	108	1.53	(39.0)	1.18	(30.0)
6.94	(176.5)	110	1.55	(39.5)	1.16	(29.5)
6.90	(175.5)	112	1.57	(40.0)	1.14	(29.0)
6.86	(174.0)	114	1.59	(40.5)	1.12	(28.4)
6.82	(173.0)	116	1.61	(41.0)	1.10	(27.9)
6.78	(172.0)	118	1.63	(41.5)	1.08	(27.4)
6.74	(171.0)	120	1.65	(42.0)	1.06	(26.9)

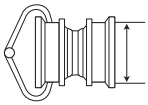
Flange diameter is 10.04" (255 mm)

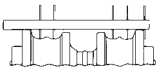
Undercarriage Code: 374, 375

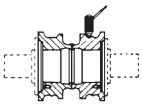
973 — 8.50" (215.9 mm)

Track Rollers

Rollers with Retainers







Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
8.74	(222.0)	0	0.65	(16.5)	1.99	(50.5)
8.70	(221.0)	3	0.67	(17.0)	1.97	(50.0)
8.66	(220.0)	6	0.69	(17.5)	1.95	(49.5)
8.62	(219.0)	9	0.71	(18.0)	1.93	(49.0)
8.58	(218.0)	12	0.73	(18.5)	1.91	(48.5)
8.54	(217.0)	15	0.75	(19.0)	1.89	(48.0)
8.50	(216.0)	18	0.77	(19.5)	1.87	(47.5)
8.46	(215.0)	21	0.79	(20.0)	1.85	(47.0)
8.42	(214.0)	24	0.81	(20.5)	1.83	(46.5)
8.38	(213.0)	27	0.83	(21.0)	1.81	(46.0)
8.34	(212.0)	30	0.85	(21.5)	1.79	(45.5)
8.30	(211.0)	33	0.87	(22.0)	1.77	(45.0)
8.26	(210.0)	36	0.89	(22.5)	1.75	(44.5)
8.22	(209.0)	39	0.91	(23.0)	1.73	(43.9)
8.18	(208.0)	42	0.93	(23.5)	1.71	(43.4)
8.14	(207.0)	45	0.95	(24.0)	1.69	(42.9)
8.10	(205.5)	48	0.97	(24.5)	1.67	(42.4)
8.06	(204.5)	51	0.99	(25.0)	1.65	(41.9)
8.02	(203.5)	54	1.01	(25.5)	1.63	(41.4)
7.98	(202.5)	57	1.03	(26.0)	1.61	(40.9)
7.94	(201.5)	60	1.05	(26.5)	1.59	(40.4)
7.90	(200.5)	62	1.07	(27.0)	1.57	(39.9)
7.86	(199.5)	64	1.09	(27.5)	1.55	(39.4)
7.82	(198.5)	66	1.11	(28.0)	1.53	(38.9)
7.78	(197.5)	68	1.13	(28.5)	1.51	(38.4)
7.74	(196.5)	70	1.15	(29.0)	1.49	(37.8)
7.70	(195.5)	72	1.17	(29.5)	1.47	(37.3)
7.66	(194.5)	74	1.19	(30.0)	1.45	(36.8)
7.62	(193.5)	76	1.21	(30.5)	1.43	(36.3)
7.58	(192.5)	78	1.23	(31.0)	1.41	(35.8)
7.54	(191.5)	80	1.25	(32.0)	1.39	(35.3)
7.50	(190.5)	82	1.27	(32.5)	1.37	(34.8)
7.46	(189.5)	84	1.29	(33.0)	1.35	(34.3)
7.42	(188.5)	86	1.31	(33.5)	1.33	(33.8)
7.38	(187.5)	88	1.33	(34.0)	1.31	(33.3)
7.34	(186.5)	90	1.35	(34.5)	1.29	(32.8)
7.30	(185.5)	92	1.37	(35.0)	1.27	(32.3)
7.26	(184.5)	94	1.39	(35.5)	1.25	(31.8)
7.22	(183.5)	96	1.41	(36.0)	1.23	(31.2)
7.18	(182.5)	98	1.43	(36.5)	1.21	(30.7)
7.14	(181.5)	100	1.45	(37.0)	1.19	(30.2)
7.10	(180.5)	102	1.47	(37.5)	1.17	(29.7)
7.06	(179.5)	104	1.49	(38.0)	1.15	(29.2)
7.02	(178.5)	106	1.51	(38.5)	1.13	(28.7)
6.98	(177.5)	108	1.53	(39.0)	1.11	(28.2)
6.94	(176.5)	110	1.55	(39.5)	1.09	(27.7)
6.90	(175.5)	112	1.57	(40.0)	1.07	(27.2)
6.86	(174.0)	114	1.59	(40.5)	1.05	(26.7)
6.82	(173.0)	116	1.61	(41.0)	1.03	(26.2)
6.78	(172.0)	118	1.63	(41.5)	1.01	(25.7)
6.74	(171.0)	120	1.65	(42.0)	0.99	(25.1)

Flange diameter is 10.04" (255 mm)

Undercarriage Code: 373

NOTES

Excavators

Undercarriage Identification

The easiest way to identify track is to read the part number forged into the link. The following list cross-references link part numbers to the correct percent worn chart pages.

Model	Pitch	Link Part Number	Wear Chart Pages
307, 308	5.31"	136-2404 & 10	498-507
	6.06"	093-1969 & 70 3A9614 & 15	
311, 312, 313, 314	6.75"	4I7475 & 76	508-514
315, 317, 318, 320, 322, 320 FM	7.50"	9W3137 & 38 106-1625 & 26	516-529
320S, 322 FM, 325, 325 FM	8.00"	6Y1607 & 08 8E7405 & 06	530-542
330	8.50"	6Y2589 & 90	544-555
330 FM, 345	8.50"	150-4748 & 49 130-5333 & 34 209-6383 & 84	556-564
350	9.00"	8E6091 & 92	566-573
365, 375, 385, 5080, 5090	10.25"	142-1803 & 04 6Y6721 & 22	574-583
5110	10.25"	9W5933 & 34	584-591
5130	12.50"	6I8643 & 44 6T8049 & 50	592-600
5230	14.90"	185-9377 & 78	602-606
205, 211, 213	6.75"	9K6628 & 29	608-615
215	6.75"	9K6628 & 29	616-628
225, 219, 215S.A., FB221, FB217, DL221	7.50"	7T4043 & 44 3P7153 & 54	630-644
225	6.75"	9K6628 & 29	646-655
227, 229, 231, 225S.A., LL225	8.00"	3P1112 & 13	656-665
235, LL235	8.50"	8E8641 & 42 130-5333 & 34 8S2589 & 90 7T9823 & 24	666-682
235	8.00"	3P1112 & 13	684-691
245	10.25"	9S1927 & 28	692-701
245	9.00"	8K4754 & 56 9G6083 & 84	702-709
E70B	5.31"	093-1969 & 70	710-718
E110B, E120B	6.75"	4I7475 & 76	720-726
E140	6.75"	093-1978 & 77	728-734
E180, EL180	6.91"	095-7130 093-1979	736-742
E200B, EL200B	7.50"	9W3137 & 38	744-750
EL240B, E240B, EL240, E240	7.50"	9W3137 & 38 0965252 & 58	752-759
E300B, EL300B, EL300	8.00"	096-0263 & 64	760-767
E300	7.50"	096-5252 & 58	768-775
E450	8.50"	096-9944 & 46	776-782
E650	9.00"	093-1984 & 85	784-790

Computer CTS Codes

Use the following undercarriage codes for computerized CTS:

Model	Undercarriage Code	Description
307	C502	5.31 inch (135 mm) Pitch
307	C503	6.06 inch (154 mm) Pitch
308	C504	All
311	C516	All
312, 313, 314	C531	All
315	C546	Sealed Track
315	C5461	Grease Lubricated Track
317, 318	C547	Sealed Track
317, 318	C5471	Grease Lubricated Track
320	C566	Sealed Track
320	C5661	Grease Lubricated Track
320 FM	C567	Heavy Duty Grease Lubricated Track
320 S	C568	Sealed Track
320 S	C5681	Grease Lubricated Track
322	C578	7.50 inch (190.0 mm) Pitch - 9W Links - Sealed Track
322	C5781	7.50 inch (190.0 mm) Pitch - 9W Links - Grease Lubricated Track
322 FM	C579	8.00 inch (203.2 mm) Pitch - 6Y Links - Sealed Track
322 FM	C5791	8.00 inch (203.2 mm) Pitch - 6Y Links - Grease Lubricated Track
325	C591	Sealed Track
325	C5911	Grease Lubricated Track
325 FM	C592	Heavy Duty Grease Lubricated Track
330	C609	Sealed Track
330	C6091	Grease Lubricated Track
330 FM	C610	Sealed Track
330 FM	C6101	Grease Lubricated Track
350	C626	All
345B	C620	Sealed Track
345B	C6201	Grease Lubricated Track
365	C635	All
375	C641	All
385	C650	All
5080	C660	All
5090	C662	All
5110	C665	All
5130	C670	Original forged (semi-flat) shoe
5130	C671	Tall grouser double grouser shoe
5230	C675	All
205	C402	Cat Undercarriage
205	C401	Earlier 205 with competitive Idler
211	C412	Cat Undercarriage
211	C411	Earlier 211 with competitive Idler
213	C422	Cat Undercarriage
213	C421	Earlier 213 with competitive Idler
215	C430	7K& 9K Links - 6S Roller - Small Diameter Carrier Rollers
215	C431	9K Links - 9P (D4E) Roller - Large Diameter Carrier Rollers
215	C432	9K Links - 9W Roller - Large Diameter Carrier Rollers

continues on next page

Computer CTS Codes (cont'd)

Use the following undercarriage codes for computerized CTS:

Model	Undercarriage Code	Description
215 SA	C433	6.91 inch (175.5 mm) Pitch - 9S Roller rim
215 SA	C434	6.91 inch (175.5 mm) Pitch - 9W Roller rim
217	C440	FB217 6.91 inch (175.5 mm) Pitch
219	C442	7.50 inch (190.0 mm) Pitch - 9W Roller rim
219	C443	7.50 inch (190.0 mm) Pitch - 8E Roller rim
221	C445	DL221 FB221 6.91 inch (175.5 mm) Pitch
225	C450	6.75 inch (171.5 mm) Pitch - 7K Roller rim
225	C451	6.75 inch (171.5 mm) Pitch - 9P Roller rim
225	C452	6.91 inch (175.5 mm) Pitch - 9S Roller rim
225	C453	6.91 inch (175.5 mm) Pitch - 9W Roller rim
225	C454	7.50 inch (190.0 mm) Pitch - 9W Roller rim
225	C455	7.50 inch (190.0 mm) Pitch - 8E Roller rim
225 SA	C458	8.00 inch (203.2 mm) Pitch - 9G Roller rim
225 SA	C463	8.00 inch (203.2 mm) Pitch - 8E Roller rim
227	C460	9G Roller rim
227	C462	8E Roller rim
229	C473	8.00 inch (203.2 mm) Pitch - 8E Roller rim
231	C472	8E Roller rim
235	C480	8.00 inch (203.2 mm) Pitch
235	C481	8.50 inch (215.9 mm) Pitch - 8S Links - 7T Roller
235	C482	8.50 inch (215.9 mm) Pitch - 8S Links - 9W Roller rim
235	C483	8.50 inch (215.9 mm) Pitch - 7T Links - 9W Roller rim
235	C484	8.50 inch (215.9 mm) Pitch - 7T Links - 8E Roller rim
235	C485	8.50 inch (215.9 mm) Pitch - 130-5333 & 8E Links - D7H Roller
235	C486	8.50 inch (215.9 mm) Pitch - 130-5333 & 8E Links - 8E Roller rim
245	C490	9.00 inch (228.6 mm) Pitch
245	C491	10.25 inch (260.4 mm) Pitch - 9G Roller rim
245	C492	10.25 inch (260.4 mm) Pitch - 9W Roller rim
245	C493	10.25 inch (260.4 mm) Pitch - 9W Roller rim - D9N Idler
E070	C500	Small Diameter Track Roller
E070	C501	Large Diameter Track Roller
E110B	C515	All
E120B	C530	All
E180, EL180, E180	C560	All
E200, EL200, E200	C565	All
E140	C545	All
E240, EL240, E240	C590	All
E300, E300	C605	32 inch and 36 inch Shoe Widths
E300, E300	C606	24 inch Shoe Width
E300, EL300B, E300B, EL300	C607	32 inch and 36 inch Shoe Widths
E300, EL300B, E300B, EL300	C608	24 inch Shoe Width
E450	C625	All
E650	C640	All

Variables That Affect Wear Life

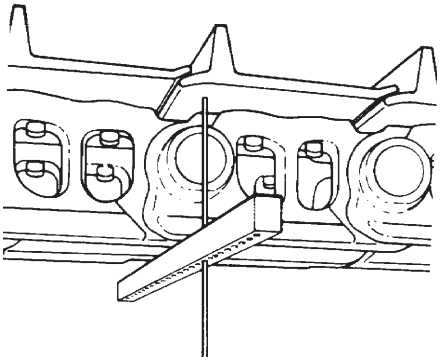
See pages 11 through 25 for details on the effects of:

Page
Controllable Variables 11
Track Adjustment.....11
Shoe Width.....12
Alignment.....14
Non-Controllable Variables.....21
Soil & Underfoot Conditions.....21
Underfoot Conditions.....22
Partially Controllable Variables 25

Components

Links

See pages 28 through 35 for detailed link information.

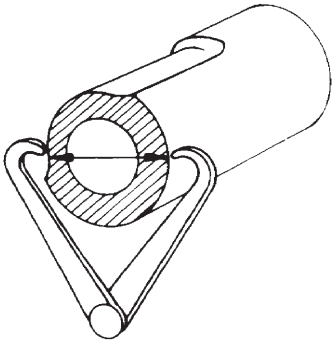


Measurement — Measure the track link over the centerline of the pin and bushing bores. See page 28 for details.

Wear Patterns — See pages 29 through 32 for a detailed discussion of link wear patterns.

Bushing — Sealed Track — External

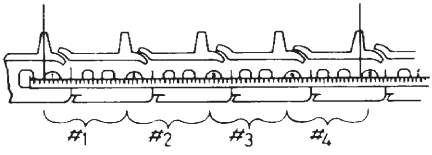
Hydraulic excavators use Sealed Track. See pages 44 through 50 for details.



Measurement — To measure external wear use the caliper or the Ultrasonic Wear Indicator. Measure the minimum dimension regardless of the position (vertical, forward, reverse). This is because the Sealed Track bushing must have sufficient strength to resist cracking after the turn. The remaining strength is largely affected by wear before the turn. See details on measurement procedures, page 44.

Bushing External Allowable Wear — Wear limits for Sealed Track bushings are determined by remaining strength before and after the turn as well as external wear. For high impact conditions use lesser allowable wear to service point. For low impact conditions use greater allowable wear to service point. Destruction is expected to occur within 20 percent of any additional hours if the same conditions exist.

Pin and Bushing — Sealed Track — Internal

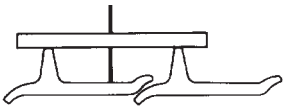


Measurement — Sealed track internal wear is measured by determining the pitch extended length over four adjacent sections with a tape measure calibrated in 0.02" (0.5 mm) increments. The track

must be tight before measuring. Measure from the side of one pin to the same side of the fifth pin away (which includes 4 sections). See details on measurement procedure on page 48.

Shoes

See pages 51 through 55 for detailed shoe information.



Measurement — Use the depth gauge or the Ultrasonic Wear Indicator to measure shoes.

Bolt Torques — Use the torque-turn tightening method on page 55.

Model	Bolt Size	Torque Turn*
307, 308	1/2"	165 ± 15 ft. lb. +1/3 turn 220 ± 20 Nm +1/3 turn
311, 312, 313, 314	16 mm	130 ± 30 ft. lb. +1/3 turn 175 ± 40 Nm +1/3 turn
315, 317	20 mm	300 ± 50 ft. lb. +1/3 turn 400 ± 70 Nm +1/3 turn
318	20 mm	400 ± 50 ft. lb. +1/3 turn 530 ± 70 Nm +1/3 turn
320, 322, 325	20 mm	300 ± 50 ft. lb. +1/3 turn 400 ± 70 Nm +1/3 turn
330, 350	22 mm	370 ± 50 ft. lb. +1/3 turn 500 ± 70 Nm +1/3 turn
345	24 mm	370 ± 50 ft. lb. +1/3 turn 500 ± 70 Nm +1/3 turn
365, 375	27 mm	410 ± 50 ft. lb. +1/3 turn 500 ± 70 Nm +1/3 turn
385	30 mm	675 ± 70 ft. lb. +1/3 turn 900 ± 100 Nm +1/3 turn
5080, 5090	27 mm	675 ± 70 ft. lb. +1/3 turn 900 ± 100 Nm +1/3 turn
5110	1 1/8"	670 ± 70 ft. lb. +1/3 turn 870 ± 90 Nm +1/3 turn
5130	1 3/8"	1150 ± 115 ft. lb. +1/3 turn 1500 ± 150 Nm +1/3 turn
205, 211, 213, 215	9/16"	65 ± 15 ft. lb. +1/3 turn 90 ± 20 Nm +1/3 turn
205, 211, 213	5/8"	120 ± 30 ft. lb. +1/3 turn 170 ± 40 Nm +1/3 turn
215, 225	3/4"	220 ± 40 ft. lb. +1/3 turn 300 ± 50 Nm +1/3 turn
235	7/8"	250 ± 50 ft. lb. +1/3 turn 340 ± 70 Nm +1/3 turn
245	1"	650 ± 50 ft. lb. +1/3 turn 870 ± 70 Nm +1/3 turn
E070	1/2"	70 ± 15 ft. lb. +1/3 turn 90 ± 20 Nm +1/3 turn
E110, E120, E140	16 mm	130 ± 30 ft. lb. +1/3 turn 170 ± 40 Nm +1/3 turn
E180	18 mm	190 ± 40 ft. lb. +1/3 turn 250 ± 50 Nm +1/3 turn
E200, E240, E300	20 mm	300 ± 50 ft. lb. +1/3 turn 400 ± 70 Nm +1/3 turn
E450	22 mm	370 ± 50 ft. lb. +1/3 turn 500 ± 70 Nm +1/3 turn
E650	24 mm	480 ± 50 ft. lb. +1/3 turn 650 ± 70 Nm +1/3 turn

*Use the assembly and torque turn tightening procedures on pages 33 and 55.

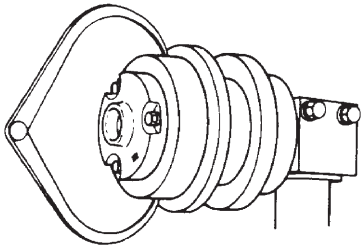
Idlers

See pages 56 through 58 for detailed idler information.

Measurement — Use the depth gauge to measure idlers.

Carrier Rollers

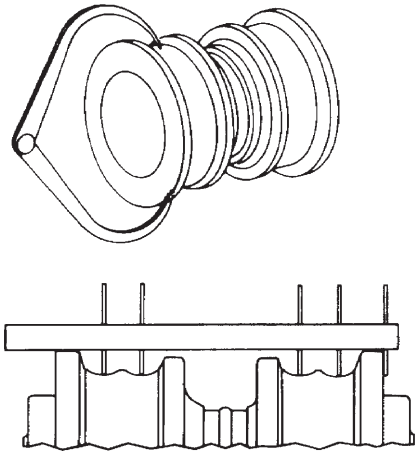
See pages 59 through 60 for detailed carrier roller information.



Measurement — Use the caliper or the Ultrasonic Wear Indicator to measure carrier rollers.

Track Rollers

See pages 61 through 65 for detailed track roller information.



Measurement — Track rollers can be measured with either a depth gauge, a caliper or the Ultrasonic Wear Indicator. For instructions on how to make measurements see pages 61 through 62.

Sprockets

See pages 66 through 70 for detailed sprocket information.

Sprocket Bolt Torque Specifications

Model	Bolt Size	Torque
307, 308	14 mm	130 ± 20 ft. lb. 175 ± 30 Nm
311, 312, 313, 314, 315, 317	16 mm	200 ± 25 ft. lb. 270 ± 40 Nm
318, 320, 322, 325	20 mm	400 ± 50 ft. lb. 530 ± 70 Nm
330, 345, 350	24 mm	670 ± 75 ft. lb. 900 ± 100 Nm
5090	30 mm	1500 ± 185 ft. lb. 2000 ± 250 Nm
365, 375, 5080, 5130, 5230	30 mm	1330 ± 150 ft. lb. 1800 ± 200 Nm
385	30 mm	1500 ± 110 ft. lb. 2000 ± 250 Nm
E070	14 mm	130 ± 20 ft. lb. 175 ± 30 Nm
E110, E120, E140, E180	16 mm	200 ± 25 ft. lb. 270 ± 40 Nm
E200, E240, E300	20 mm	400 ± 50 ft. lb. 530 ± 70 Nm
E450, E650	24 mm	670 ± 75 ft. lb. 900 ± 100 Nm

Guards

See page 71 for detailed information on track guiding guards and track roller guards.

Track Shoe Supports for Forestry Applications

Design Features — Forestry applications for Hydraulic Excavators generally involve high impact and severe underfoot conditions. Full length track shoe supports mounted to the track roller frame are recommended to limit the torsional loads experienced by the link assembly.

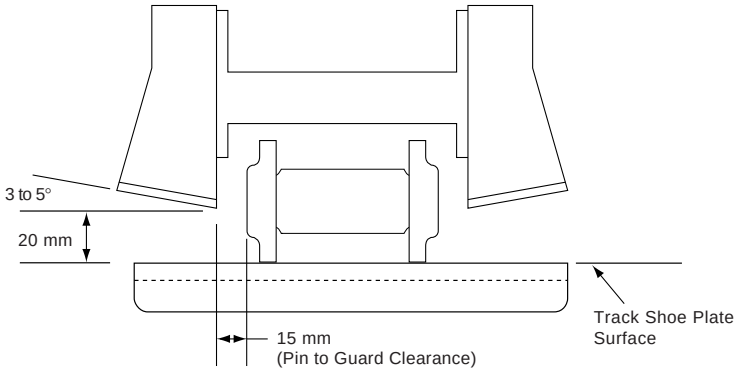
As the machine rides over objects such as rocks or stumps, the track shoe deflects and the track chain begins to twist. With track shoe supports, the shoes contact the support and prevent further twisting of the chain. These supports limit the loads going into the link assembly and significantly reduce the occurrence of link cracking and track pin walking.

The contact between the shoe support and the leading edge of the track shoes results in accelerated wear on the leading edge of the shoes. However, the gains made in link assembly life more than offset the detrimental effects of leading edge wear on the shoes.

Installation Guidelines — To provide proper performance of the track shoe supports, recommended installation dimensions are shown below. The dimension shown in the illustration for the clearance between the support and the track shoe is the dimension to the shoe plate surface. (It is not the distance to the leading edge of the shoe.)

If the supports are located too far from the shoe surface, they will not provide the proper protection for the link assembly. If the supports are too close to the shoes, high shoe wear and high friction (i.e. drawbar reduction) will occur.

Maintenance — When link assemblies are replaced, it is essential to inspect the track shoe supports and to rebuild them to the original dimensions if required. Operating new link assemblies with significantly worn or damaged shoe supports will result in reduced link assembly life. Clearance dimensions should be checked after the new link assemblies are installed.



Excavator Track Adjustment

⚠ WARNING

Grease is under high pressure.

Grease coming out of the relief valve under pressure can penetrate the body causing injury or death.

Do not watch the relief valve to see if grease is escaping. Watch the track or track adjustment cylinder to see if the track is being loosened.

1 Operate the machine in the direction of the idlers.

2 Stop with one track pin directly over the front carrier roller. Park the machine and turn off the engine.

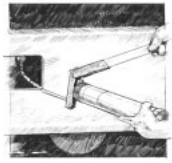


3 Place a tight line or straight edge on top of the grousers between the front carrier roller and idler.

Measure the distance from the straight edge to the grouser tip at the lowest point of sag, midway between the front carrier roller and idler.

Refer to the chart at right to determine the correct sag for each model.

4 If the track is too tight, loosen it by opening the relief valve and allowing grease to escape.



5 Tighten track by adding grease at the hydraulic fill and relief valve. Travel in forward and reverse to equalize tension throughout the track. Then reinspect adjustment.

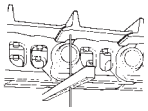
Proper Track Sag

MODEL	Minimum	Target	Maximum
All 300 Family series excavators	1.6" (40 mm)	1.85" (47.5 mm)	2.1" (55 mm)
All 200 Family series excavators	1.0" (25 mm)	1.3" (32.5 mm)	1.5" (40 mm)
All E Family series excavators	1.6" (40 mm)	1.85" (47.5 mm)	2.1" (55 mm)
5080, 5090B	1.6" (40 mm)	1.85" (47.5 mm)	2.1" (55 mm)

307, 308 — 6.06" (154 mm), 5.31" (135 mm)

Track Links

136-2404 & 10
093-1969 & 70
3A9614 & 15



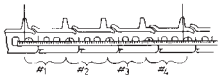


Depth Gauge			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
2.91	(74.0)	0	0.78	(19.8)
2.89	(73.5)	9	0.76	(19.3)
2.87	(73.0)	18	0.74	(18.8)
2.85	(72.5)	27	0.72	(18.3)
2.83	(72.0)	36	0.70	(17.8)
2.81	(71.5)	45	0.68	(17.3)
2.79	(71.0)	54	0.66	(16.8)
2.77	(70.5)	63	0.64	(16.3)
2.75	(70.0)	72	0.62	(15.7)
2.73	(69.5)	79	0.60	(15.2)
2.71	(69.0)	86	0.58	(14.7)
2.69	(68.5)	93	0.56	(14.2)
2.67	(68.0)	100	0.54	(13.7)
2.65	(67.5)	107	0.52	(13.2)
2.63	(67.0)	114	0.50	(12.7)
2.61	(66.5)	121	0.48	(12.2)

Undercarriage Code: 502, 503, 504

Pins and Bushings for Sealed Track

Internal Wear
6.06" (154 mm) Pitch

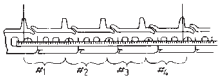


Inches	(mm)	% Worn
24.25	(616.0)	0
24.30	(617.0)	10
24.35	(618.5)	20
24.40	(620.0)	30
24.45	(621.0)	40
24.50	(622.5)	50
24.55	(623.5)	60
24.60	(625.0)	70
24.65	(626.0)	80
24.70	(627.5)	90
24.75	(628.5)	100
24.80	(630.0)	105
24.85	(631.0)	110
24.90	(632.5)	115
24.95	(633.5)	120

Undercarriage Code: 503, 504

Pins and Bushings for Sealed Track

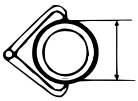
Internal Wear
5.31" (135 mm) Pitch



Inches	(mm)	% Worn
21.25	(540.0)	0
21.30	(541.2)	10
21.35	(542.3)	20
21.40	(543.6)	30
21.45	(544.8)	40
21.50	(546.1)	50
21.55	(547.3)	60
21.60	(548.6)	70
21.65	(549.9)	80
21.70	(551.2)	90
21.75	(552.4)	100
21.80	(553.7)	105
21.85	(555.0)	110
21.90	(556.2)	115
21.95	(557.5)	120

Bushings for Sealed Track

External Wear



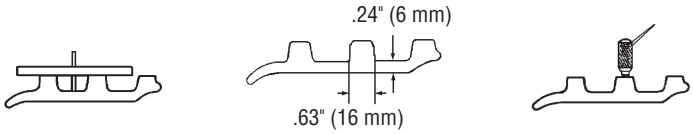


Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
1.61	(40.9)	0	0.32	(8.1)
1.60	(40.6)	8	0.31	(7.9)
1.59	(40.4)	16	0.30	(7.6)
1.58	(40.1)	24	0.29	(7.4)
1.57	(39.9)	32	0.28	(7.1)
1.56	(39.6)	40	0.27	(6.9)
1.55	(39.4)	48	0.26	(6.6)
1.54	(39.1)	56	0.25	(6.4)
1.53	(38.9)	64	0.24	(6.1)
1.52	(38.6)	72	0.23	(5.8)
1.51	(38.4)	80	0.22	(5.6)
1.50	(38.1)	84	0.21	(5.3)
1.49	(37.8)	88	0.20	(5.1)
1.48	(37.6)	92	0.19	(4.8)
1.47	(37.3)	96	0.18	(4.6)
1.46	(37.1)	100	0.17	(4.3)
1.45	(36.8)	104	0.16	(4.1)
1.44	(36.6)	108	0.15	(3.8)
1.43	(36.3)	112	0.14	(3.6)
1.42	(36.1)	116	0.13	(3.3)
1.41	(35.8)	120	0.12	(3.0)

307, 308 — 6.06" (154 mm)

Track Shoes

Triple Grouser
6.06" (154 mm) Pitch

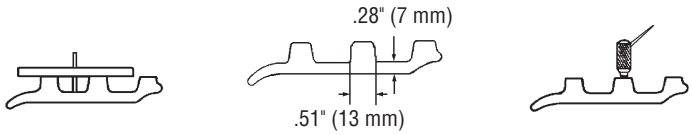


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
0.79	(20.0)	0	1.02	(25.9)
0.77	(19.5)	4	1.00	(25.4)
0.75	(19.0)	8	0.98	(24.9)
0.73	(18.5)	12	0.96	(24.4)
0.71	(18.0)	16	0.94	(23.9)
0.69	(17.5)	20	0.92	(23.4)
0.67	(17.0)	24	0.90	(22.9)
0.65	(16.5)	28	0.88	(22.4)
0.63	(16.0)	32	0.86	(21.8)
0.61	(15.5)	36	0.84	(21.3)
0.59	(15.0)	40	0.82	(20.8)
0.57	(14.5)	44	0.80	(20.3)
0.55	(14.0)	48	0.78	(19.8)
0.53	(13.5)	52	0.76	(19.3)
0.51	(13.0)	56	0.74	(18.8)
0.49	(12.5)	60	0.72	(18.3)
0.47	(12.0)	64	0.70	(17.8)
0.45	(11.5)	68	0.68	(17.3)
0.43	(11.0)	72	0.66	(16.8)
0.41	(10.5)	76	0.64	(16.3)
0.39	(10.0)	79	0.62	(15.7)
0.37	(9.5)	82	0.60	(15.2)
0.35	(9.0)	85	0.58	(14.7)
0.33	(8.5)	88	0.56	(14.2)
0.31	(8.0)	91	0.54	(13.7)
0.29	(7.5)	94	0.52	(13.2)
0.27	(7.0)	97	0.50	(12.7)
0.25	(6.5)	100	0.48	(12.2)
0.23	(6.0)	103	0.46	(11.7)
0.21	(5.5)	106	0.44	(11.2)
0.19	(5.0)	109	0.42	(10.7)
0.17	(4.5)	112	0.40	(10.2)
0.15	(4.0)	115	0.38	(9.7)
0.13	(3.5)	118	0.36	(9.1)
0.11	(3.0)	121	0.34	(8.6)

Undercarriage Code: 503, 504

Track Shoes

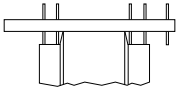
Triple Grouser
5.31" (135 mm) Pitch



Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
0.55	(14.0)	0	0.83	(21.1)
0.53	(13.5)	7	0.81	(20.6)
0.51	(13.0)	14	0.79	(20.1)
0.49	(12.5)	21	0.77	(19.6)
0.47	(12.0)	28	0.75	(19.1)
0.45	(11.5)	35	0.73	(18.5)
0.43	(11.0)	42	0.71	(18.0)
0.41	(10.5)	49	0.69	(17.5)
0.39	(10.0)	56	0.67	(17.0)
0.37	(9.5)	63	0.65	(16.5)
0.35	(9.0)	70	0.63	(16.0)
0.33	(8.5)	76	0.61	(15.5)
0.31	(8.0)	82	0.59	(15.0)
0.29	(7.5)	88	0.57	(14.5)
0.27	(7.0)	94	0.55	(14.0)
0.25	(6.5)	100	0.53	(13.5)
0.23	(6.0)	106	0.51	(13.0)
0.21	(5.5)	112	0.49	(12.4)
0.19	(5.0)	118	0.47	(11.9)
0.17	(4.5)	124	0.45	(11.4)

Idlers

6.06" (154 mm) Pitch

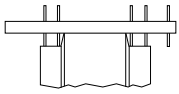


Depth Gauge Inches	(mm)	% Worn
0.52	(13.0)	0
0.54	(13.5)	14
0.56	(14.0)	28
0.58	(14.5)	42
0.60	(15.0)	52
0.62	(15.5)	60
0.64	(16.5)	68
0.66	(17.0)	76
0.68	(17.5)	84
0.70	(18.0)	92
0.72	(18.5)	100
0.74	(19.0)	108
0.76	(19.5)	116
0.78	(20.0)	124

Flange width: 1.69" (43 mm)

Idlers

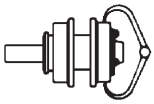
5.31" (135 mm) Pitch



Depth Gauge Inches	(mm)	% Worn
0.86	(22.0)	0
0.88	(22.5)	14
0.90	(23.0)	28
0.92	(23.5)	42
0.94	(24.0)	52
0.96	(24.5)	60
0.98	(25.0)	68
1.00	(25.5)	76
1.02	(26.0)	84
1.04	(26.5)	92
1.06	(27.0)	100
1.08	(27.5)	108
1.10	(28.0)	116
1.12	(28.5)	124

Flange width: 1.69" (43 mm)

Carrier Rollers

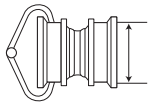


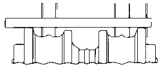
Caliper Inches	(mm)	% Worn
3.34	(85.0)	0
3.32	(84.5)	6
3.30	(84.0)	12
3.28	(83.5)	18
3.26	(83.0)	24
3.24	(82.5)	30
3.22	(82.0)	36
3.20	(81.5)	42
3.18	(81.0)	48
3.16	(80.5)	54
3.14	(80.0)	60
3.12	(79.0)	64
3.10	(78.5)	68
3.08	(78.0)	72
3.06	(77.5)	76
3.04	(77.0)	80
3.02	(76.5)	84
3.00	(76.0)	88
2.98	(75.5)	92
2.96	(75.0)	96
2.94	(74.5)	100
2.92	(74.0)	104
2.90	(73.5)	108
2.88	(73.0)	112
2.86	(72.5)	116
2.84	(72.0)	120

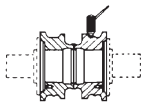
Undercarriage Code: 502, 503, 504

Track Rollers

Single Flange/Center Flange*







Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
4.72	(120.0)	0	0.47	(12.0)	1.49	(37.8)
4.70	(119.5)	5	0.48	(12.0)	1.48	(37.6)
4.68	(119.0)	10	0.49	(12.5)	1.47	(37.3)
4.66	(118.5)	15	0.50	(12.5)	1.46	(37.1)
4.64	(118.0)	20	0.51	(13.0)	1.45	(36.8)
4.62	(117.5)	25	0.52	(13.0)	1.44	(36.6)
4.60	(117.0)	30	0.53	(13.5)	1.43	(36.3)
4.58	(116.5)	35	0.54	(13.5)	1.42	(36.1)
4.56	(116.0)	40	0.55	(14.0)	1.41	(35.8)
4.54	(115.5)	45	0.56	(14.0)	1.40	(35.6)
4.52	(115.0)	50	0.57	(14.5)	1.39	(35.3)
4.50	(114.5)	55	0.58	(14.5)	1.38	(35.1)
4.48	(114.0)	60	0.59	(15.0)	1.37	(34.8)
4.46	(113.5)	64	0.60	(15.0)	1.36	(34.5)
4.44	(113.0)	67	0.61	(15.5)	1.35	(34.3)
4.42	(112.5)	70	0.62	(15.5)	1.34	(34.0)
4.40	(112.0)	73	0.63	(16.0)	1.33	(33.8)
4.38	(111.5)	76	0.64	(16.5)	1.32	(33.5)
4.36	(110.5)	79	0.65	(16.5)	1.31	(33.3)
4.34	(110.0)	82	0.66	(17.0)	1.30	(33.0)
4.32	(109.5)	85	0.67	(17.0)	1.29	(32.8)
4.30	(109.0)	88	0.68	(17.5)	1.28	(32.5)
4.28	(108.5)	91	0.69	(17.5)	1.27	(32.3)
4.26	(108.0)	94	0.70	(18.0)	1.26	(32.0)
4.24	(107.5)	97	0.71	(18.0)	1.25	(31.8)
4.22	(107.0)	100	0.72	(18.5)	1.24	(31.5)
4.20	(106.5)	103	0.73	(18.5)	1.23	(31.2)
4.18	(106.0)	106	0.74	(19.0)	1.22	(31.0)
4.16	(105.5)	109	0.75	(19.0)	1.21	(30.7)
4.14	(105.0)	112	0.76	(19.5)	1.20	(30.5)
4.12	(104.5)	115	0.77	(19.5)	1.19	(30.2)
4.10	(104.0)	118	0.78	(20.0)	1.18	(30.0)
4.08	(103.5)	121	0.79	(20.0)	1.17	(29.7)

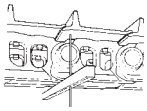
*NOTE: Do not measure center flange rollers with depth gauge.

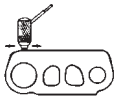
Undercarriage Code: 502, 503, 504

311, 312, 313, 314 — 6.75" (171.5 mm)

Track Links

4I7475 & 76



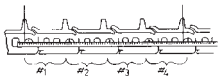


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
3.54	(90.0)	0	0.97	(24.6)
3.52	(89.5)	9	0.95	(24.1)
3.50	(89.0)	18	0.93	(23.6)
3.48	(88.5)	27	0.91	(23.1)
3.46	(88.0)	36	0.89	(22.6)
3.44	(87.5)	45	0.87	(22.1)
3.42	(87.0)	54	0.85	(21.6)
3.40	(86.5)	63	0.83	(21.1)
3.38	(86.0)	72	0.81	(20.6)
3.36	(85.5)	79	0.79	(20.1)
3.34	(85.0)	86	0.77	(19.6)
3.32	(84.5)	93	0.75	(19.1)
3.30	(84.0)	100	0.73	(18.5)
3.28	(83.5)	107	0.71	(18.0)
3.26	(83.0)	114	0.69	(17.5)
3.24	(82.5)	121	0.67	(17.0)

Undercarriage Code: 516, 531

Pins and Bushings for Sealed Track

Internal Wear

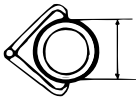


Inches	(mm)	% Worn
27.00	(686.0)	0
27.05	(687.0)	10
27.10	(688.5)	20
27.15	(689.5)	30
27.20	(691.0)	40
27.25	(692.0)	50
27.30	(693.5)	60
27.35	(694.5)	70
27.40	(696.0)	80
27.45	(697.0)	90
27.50	(698.5)	100
27.55	(700.0)	105
27.60	(701.0)	110
27.65	(702.5)	115
27.70	(703.5)	120

311, 312, 313, 314 — 6.75" (171.5 mm)

Bushings for Sealed Track

External Wear



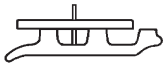


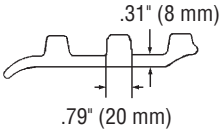
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
1.99	(50.5)	0	0.32	(8.1)
1.98	(50.3)	8	0.31	(7.9)
1.97	(50.0)	16	0.30	(7.6)
1.96	(49.8)	24	0.29	(7.4)
1.95	(49.5)	32	0.28	(7.1)
1.94	(49.3)	40	0.27	(6.9)
1.93	(49.0)	48	0.26	(6.6)
1.92	(48.8)	56	0.25	(6.3)
1.91	(48.5)	64	0.24	(6.1)
1.90	(48.3)	72	0.23	(5.8)
1.89	(48.0)	76	0.22	(5.6)
1.88	(47.8)	80	0.21	(5.3)
1.87	(47.5)	84	0.20	(5.1)
1.86	(47.2)	88	0.19	(4.8)
1.85	(47.0)	92	0.18	(4.6)
1.84	(46.7)	96	0.17	(4.3)
1.83	(46.5)	100	0.16	(4.1)
1.82	(46.2)	104	0.15	(3.8)
1.81	(46.0)	108	0.14	(3.6)
1.80	(45.7)	112	0.13	(3.3)
1.79	(45.5)	116	0.12	(3.0)
1.78	(45.2)	120	0.11	(2.8)

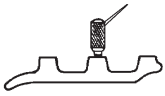
Undercarriage Code: 516, 531

Track Shoes

Triple Grouser





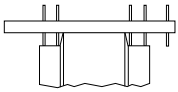


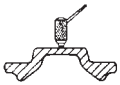
Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
0.80	(20.5)	0	1.10	(27.9)
0.75	(19.0)	10	1.05	(26.7)
0.70	(18.0)	19	1.00	(25.4)
0.65	(16.5)	28	0.95	(24.1)
0.60	(15.0)	37	0.90	(22.9)
0.55	(14.0)	46	0.85	(21.6)
0.50	(12.5)	55	0.80	(20.3)
0.45	(11.5)	64	0.75	(19.1)
0.40	(10.0)	73	0.70	(17.8)
0.35	(9.0)	82	0.65	(16.5)
0.30	(7.5)	91	0.60	(15.2)
0.25	(6.5)	100	0.55	(14.0)
0.20	(5.0)	109	0.50	(12.7)
0.15	(4.0)	118	0.45	(11.4)
0.10	(2.5)	127	0.40	(10.2)

Undercarriage Code: 516, 531

311, 312, 313, 314 — 6.75" (171.5 mm)

Idlers





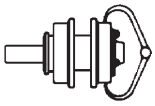
Depth Gauge Inches	(mm)	%Worn
0.70	(18.0)	0
0.72	(18.5)	12
0.74	(19.0)	24
0.76	(19.5)	36
0.78	(20.0)	48
0.80	(20.5)	60
0.82	(21.0)	72
0.84	(21.5)	76
0.86	(22.0)	80
0.88	(22.5)	84
0.90	(23.0)	88
0.92	(23.5)	92
0.94	(24.0)	96
0.96	(24.5)	100
0.98	(25.0)	104
1.00	(25.5)	108
1.02	(26.0)	112
1.04	(26.5)	116
1.06	(27.0)	120

Flange width: 2.69" (68.2 mm)

Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.28	(7.1)	0.00	(0.0)
0.26	(6.6)	0.02	(0.5)
0.24	(6.1)	0.04	(1.0)
0.22	(5.6)	0.06	(1.5)
0.20	(5.1)	0.08	(2.0)
0.18	(4.6)	0.10	(2.5)
0.16	(4.1)	0.12	(3.0)
0.14	(3.6)	0.14	(3.5)
0.12	(3.0)	0.16	(4.0)
0.10	(2.5)	0.18	(4.5)
0.08	(2.0)	0.20	(5.0)
0.06	(1.5)	0.22	(5.5)
0.04	(1.0)	0.24	(6.0)
0.02	(0.5)	0.26	(6.5)
0.00	(0.0)	0.28	(7.0)

NOTE: Ultrasonic measurement is to determine flange wear only. Use ultrasonic only on fabricated idlers.

Carrier Rollers

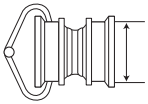


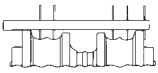
Caliper Inches	(mm)	% Worn
4.41	(112.0)	0
4.37	(111.0)	6
4.33	(110.0)	12
4.29	(109.0)	18
4.25	(108.0)	24
4.21	(107.0)	28
4.17	(106.0)	32
4.13	(105.0)	36
4.09	(104.0)	40
4.05	(103.0)	44
4.01	(102.0)	48
3.97	(101.0)	52
3.93	(100.0)	56
3.89	(99.0)	60
3.85	(98.0)	64
3.81	(97.0)	68
3.77	(96.0)	72
3.73	(94.5)	76
3.69	(93.5)	80
3.65	(92.5)	84
3.61	(91.5)	88
3.57	(90.5)	92
3.53	(89.5)	96
3.49	(88.5)	100
3.45	(87.5)	104
3.41	(86.5)	108
3.37	(85.5)	112
3.33	(84.5)	116
3.29	(83.5)	120

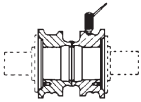
Undercarriage Code: 516, 531

311, 312, 313, 314 — 6.75" (171.5 mm)

Track Rollers







Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
5.43	(138.0)	0	0.59	(15.0)	1.65	(41.9)
5.41	(137.5)	5	0.60	(15.0)	1.64	(41.7)
5.39	(137.0)	10	0.61	(15.5)	1.63	(41.4)
5.37	(136.5)	15	0.62	(15.5)	1.62	(41.1)
5.35	(136.0)	20	0.63	(16.0)	1.61	(40.9)
5.33	(135.5)	25	0.64	(16.5)	1.60	(40.6)
5.31	(135.0)	30	0.65	(16.5)	1.59	(40.4)
5.29	(134.5)	35	0.66	(17.0)	1.58	(40.1)
5.27	(134.0)	40	0.67	(17.0)	1.57	(39.9)
5.25	(133.5)	45	0.68	(17.5)	1.56	(39.6)
5.23	(133.0)	50	0.69	(17.5)	1.55	(39.4)
5.21	(132.5)	55	0.70	(18.0)	1.54	(39.1)
5.19	(132.0)	60	0.71	(18.0)	1.53	(38.9)
5.17	(131.5)	64	0.72	(18.5)	1.52	(38.6)
5.15	(131.0)	67	0.73	(18.5)	1.51	(38.4)
5.13	(130.5)	70	0.74	(19.0)	1.50	(38.1)
5.11	(130.0)	73	0.75	(19.0)	1.49	(37.8)
5.09	(129.5)	76	0.76	(19.5)	1.48	(37.6)
5.07	(129.0)	79	0.77	(19.5)	1.47	(37.3)
5.05	(128.5)	82	0.78	(20.0)	1.46	(37.1)
5.03	(128.0)	85	0.79	(20.0)	1.45	(36.8)
5.01	(127.5)	88	0.80	(20.5)	1.44	(36.6)
4.99	(126.5)	91	0.81	(20.5)	1.43	(36.3)
4.97	(126.0)	94	0.82	(21.0)	1.42	(36.1)
4.95	(125.5)	97	0.83	(21.0)	1.41	(35.8)
4.93	(125.0)	100	0.84	(21.5)	1.40	(35.6)
4.91	(124.5)	103	0.85	(21.5)	1.39	(35.3)
4.89	(124.0)	106	0.86	(22.0)	1.38	(35.1)
4.87	(123.5)	109	0.87	(22.0)	1.37	(34.8)
4.85	(123.0)	112	0.88	(22.5)	1.36	(34.5)
4.83	(122.5)	115	0.89	(22.5)	1.35	(34.3)
4.81	(122.0)	118	0.90	(23.0)	1.34	(34.0)
4.79	(121.5)	121	0.91	(23.0)	1.33	(33.8)

Flange diameter is 6.61" (168 mm)

Undercarriage Code: 516, 531

NOTES

315, 317, 318, 320, 322 — 7.50" (190 mm)

Track Links

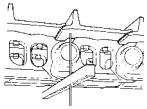
9W3137 & 38
Not for use on 320 FM

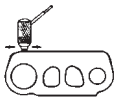
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
4.17	(106.0)	0	1.21	(30.7)
4.15	(105.5)	9	1.19	(30.2)
4.13	(105.0)	18	1.17	(29.7)
4.11	(104.5)	27	1.15	(29.2)
4.09	(104.0)	36	1.13	(28.7)
4.07	(103.5)	45	1.11	(28.2)
4.05	(103.0)	54	1.09	(27.7)
4.03	(102.5)	60	1.07	(27.2)
4.01	(102.0)	65	1.05	(26.7)
3.99	(101.5)	70	1.03	(26.2)
3.97	(101.0)	75	1.01	(25.7)
3.95	(100.5)	80	0.99	(25.1)
3.93	(100.0)	85	0.97	(24.6)
3.91	(99.5)	90	0.95	(24.1)
3.89	(99.0)	95	0.93	(23.6)
3.87	(98.5)	100	0.91	(23.1)
3.85	(98.0)	105	0.89	(22.6)
3.83	(97.5)	110	0.87	(22.1)
3.81	(97.0)	115	0.85	(21.6)
3.79	(96.5)	120	0.83	(21.1)

Undercarriage Code: 546, 5461, 547, 5471, 566, 5661, 578, 5781

Track Links

106-1625 & 26
Only use for 320 FM

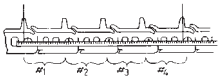




Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
4.68	(119.0)	0	1.53	(38.9)
4.66	(118.5)	5	1.51	(38.4)
4.64	(118.0)	10	1.49	(37.8)
4.62	(117.5)	15	1.47	(37.3)
4.60	(117.0)	20	1.45	(36.8)
4.58	(116.5)	25	1.43	(36.3)
4.56	(116.0)	30	1.41	(35.8)
4.54	(115.5)	35	1.39	(35.3)
4.52	(115.0)	40	1.37	(34.8)
4.50	(114.5)	45	1.35	(34.3)
4.48	(114.0)	50	1.33	(33.8)
4.46	(113.5)	55	1.31	(33.3)
4.44	(113.0)	60	1.29	(32.8)
4.42	(112.5)	65	1.27	(32.3)
4.40	(112.0)	70	1.25	(31.8)
4.38	(111.5)	75	1.23	(31.2)
4.36	(110.5)	80	1.21	(30.7)
4.34	(110.0)	84	1.19	(30.2)
4.32	(109.5)	88	1.17	(29.7)
4.30	(109.0)	92	1.15	(29.2)
4.28	(108.5)	96	1.13	(28.7)
4.26	(108.0)	100	1.11	(28.2)
4.24	(107.5)	104	1.09	(27.7)
4.22	(107.0)	108	1.07	(27.2)
4.20	(106.5)	112	1.05	(26.7)
4.18	(106.0)	116	1.03	(26.2)
4.16	(105.5)	120	1.01	(25.7)

Pins and Bushings

Internal Wear
Sealed Track
Grease Lubricated Track



Inches	(mm)	% Worn
29.95	(760.5)	0
30.00	(762.0)	10
30.05	(763.5)	20
30.10	(764.5)	30
30.15	(766.0)	40
30.20	(767.0)	50
30.25	(768.5)	60
30.30	(769.5)	70
30.35	(771.0)	80
30.40	(772.0)	90
30.45	(773.5)	100
30.50	(774.5)	105
30.55	(776.0)	110
30.60	(777.0)	115
30.65	(778.5)	120

Undercarriage Code: 546, 5461, 547, 5471, 566, 5661, 567, 578, 5781

Bushings for Sealed Track

External Wear
Grease Lubricated Track
Not for use on 320 FM





Caliper Inches	(mm)	Allowable Wear Lesser % Worn	Greater % Worn	Ultrasonic Inches	(mm)
2.39	(60.7)	0	0	0.45	(11.4)
2.38	(60.5)	8	6	0.44	(11.2)
2.37	(60.2)	16	12	0.43	(10.9)
2.36	(59.9)	24	18	0.42	(10.7)
2.35	(59.7)	32	24	0.41	(10.4)
2.34	(59.4)	40	30	0.40	(10.2)
2.33	(59.2)	48	36	0.39	(9.9)
2.32	(58.9)	56	42	0.38	(9.7)
2.31	(58.7)	64	48	0.37	(9.4)
2.30	(58.4)	68	54	0.36	(9.1)
2.29	(58.2)	72	58	0.35	(8.9)
2.28	(57.9)	76	61	0.34	(8.6)
2.27	(57.7)	80	64	0.33	(8.4)
2.26	(57.4)	84	67	0.32	(8.1)
2.25	(57.2)	88	70	0.31	(7.9)
2.24	(56.9)	92	73	0.30	(7.6)
2.23	(56.6)	96	76	0.29	(7.4)
2.22	(56.4)	100	79	0.28	(7.1)
2.21	(56.1)	104	82	0.27	(6.9)
2.20	(55.9)	108	85	0.26	(6.6)
2.19	(55.6)	112	88	0.25	(6.4)
2.18	(55.4)	116	91	0.24	(6.1)
2.17	(55.1)	120	94	0.23	(5.8)
2.16	(54.9)		97	0.22	(5.6)
2.15	(54.6)		100	0.21	(5.3)
2.14	(54.4)		103	0.20	(5.1)
2.13	(54.1)		106	0.19	(4.8)
2.12	(53.8)		109	0.18	(4.6)
2.11	(53.6)		112	0.17	(4.3)
2.10	(53.3)		115	0.16	(4.1)
2.09	(53.1)		118	0.15	(3.8)
2.08	(52.8)		121	0.14	(3.6)

Undercarriage Code: 5461, 5471, 5661, 5781

Bushings for Sealed Track



External Wear
Grease Lubricated Track
Only use for 320 FM



Caliper		Allowable Wear		Ultrasonic	
		Lesser	Greater		
Inches	(mm)	% Worn	% Worn	Inches	(mm)
2.56	(65.0)	0	0	0.51	(13.0)
2.55	(64.8)	5	4	0.50	(12.7)
2.54	(64.5)	10	8	0.49	(12.4)
2.53	(64.3)	15	12	0.48	(12.2)
2.52	(64.0)	20	16	0.47	(11.9)
2.51	(63.8)	25	20	0.46	(11.7)
2.50	(63.5)	30	24	0.45	(11.4)
2.49	(63.2)	35	28	0.44	(11.2)
2.48	(63.0)	40	32	0.43	(10.9)
2.47	(62.7)	45	36	0.42	(10.7)
2.46	(62.5)	50	40	0.41	(10.4)
2.45	(62.2)	55	44	0.40	(10.2)
2.44	(62.0)	60	46	0.39	(9.9)
2.43	(61.7)	65	48	0.38	(9.7)
2.42	(61.5)	70	50	0.37	(9.4)
2.41	(61.2)	72	52	0.36	(9.1)
2.40	(61.0)	74	54	0.35	(8.9)
2.39	(60.7)	76	56	0.34	(8.6)
2.38	(60.5)	78	58	0.33	(8.4)
2.37	(60.2)	80	60	0.32	(8.1)
2.36	(59.9)	82	62	0.31	(7.9)
2.35	(59.7)	84	64	0.30	(7.6)
2.34	(59.4)	86	66	0.29	(7.4)
2.33	(59.2)	88	68	0.28	(7.1)
2.32	(58.9)	90	70	0.27	(6.9)
2.31	(58.7)	92	72	0.26	(6.6)
2.30	(58.4)	94	74	0.25	(6.3)
2.29	(58.2)	96	76	0.24	(6.1)
2.28	(57.9)	98	78	0.23	(5.8)
2.27	(57.7)	100	80	0.22	(5.6)
2.26	(57.4)	102	82	0.21	(5.3)
2.25	(57.2)	104	84	0.20	(5.1)
2.24	(56.9)	106	86	0.19	(4.8)
2.23	(56.6)	108	88	0.18	(4.6)
2.22	(56.4)	110	90	0.17	(4.3)
2.21	(56.1)	112	92	0.16	(4.1)
2.20	(55.9)	114	94	0.15	(3.8)
2.19	(55.6)	116	96	0.14	(3.6)
2.18	(55.4)	118	98	0.13	(3.3)
2.17	(55.1)	120	100	0.12	(3.0)
2.16	(54.9)		102	0.11	(2.8)
2.15	(54.6)		104	0.10	(2.5)
2.14	(54.4)		106	0.09	(2.3)
2.13	(54.1)		108	0.08	(2.0)
2.12	(53.8)		110	0.07	(1.8)
2.11	(53.6)		112	0.06	(1.5)
2.10	(53.3)		114	0.05	(1.3)
2.09	(53.1)		116	0.04	(1.0)
2.08	(52.8)		118	0.03	(0.8)
2.07	(52.6)		120	0.02	(0.5)

Undercarriage Code: 567

Bushings for Sealed Track

External Wear
Sealed Track





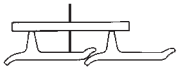
Caliper		Allowable Wear		Ultrasonic	
		Lesser	Greater		
Inches	(mm)	% Worn	% Worn	Inches	(mm)
2.33	(59.2)	0	0	0.42	(10.7)
2.32	(58.9)	10	6	0.41	(10.4)
2.31	(58.7)	20	12	0.40	(10.2)
2.30	(58.4)	30	18	0.39	(9.9)
2.29	(58.2)	40	24	0.38	(9.7)
2.28	(57.9)	50	30	0.37	(9.4)
2.27	(57.7)	60	36	0.36	(9.1)
2.26	(57.4)	70	42	0.35	(8.9)
2.25	(57.2)	75	48	0.34	(8.6)
2.24	(56.9)	80	54	0.33	(8.4)
2.23	(56.6)	85	60	0.32	(8.1)
2.22	(56.4)	90	66	0.31	(7.9)
2.21	(56.1)	95	72	0.30	(7.6)
2.20	(55.9)	100	78	0.29	(7.4)
2.19	(55.6)	105	82	0.28	(7.1)
2.18	(55.4)	110	85	0.27	(6.9)
2.17	(55.1)	115	88	0.26	(6.6)
2.16	(54.9)	120	91	0.25	(6.4)
2.15	(54.6)		94	0.24	(6.1)
2.14	(54.4)		97	0.23	(5.8)
2.13	(54.1)		100	0.22	(5.6)
2.12	(53.8)		103	0.21	(5.3)
2.11	(53.6)		106	0.20	(5.1)
2.10	(53.3)		109	0.19	(4.8)
2.09	(53.1)		112	0.18	(4.6)
2.08	(52.8)		115	0.17	(4.3)
2.07	(52.6)		118	0.16	(4.1)
2.06	(52.3)		121	0.15	(3.8)

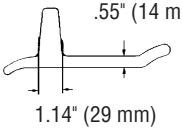
Undercarriage Code: 546, 547, 566, 578

315, 317, 318, 320, 322 — 7.50" (190 mm)

Track Shoes

Extreme Service





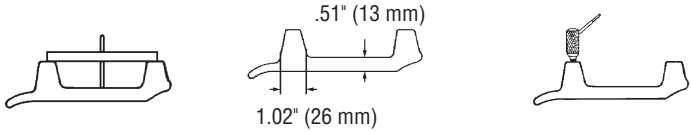


Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
2.60	(66.0)	0	3.15	(80.0)
2.55	(65.0)	3	3.10	(78.7)
2.50	(63.5)	6	3.05	(77.5)
2.45	(62.0)	9	3.00	(76.2)
2.40	(61.0)	12	2.95	(74.9)
2.35	(59.5)	15	2.90	(73.7)
2.30	(58.5)	18	2.85	(72.4)
2.25	(57.0)	21	2.80	(71.1)
2.20	(56.0)	24	2.75	(69.9)
2.15	(54.5)	27	2.70	(68.6)
2.10	(53.5)	30	2.65	(67.3)
2.05	(52.0)	33	2.60	(66.0)
2.00	(51.0)	36	2.55	(64.8)
1.95	(49.5)	39	2.50	(63.5)
1.90	(48.5)	42	2.45	(62.2)
1.85	(47.0)	45	2.40	(61.0)
1.80	(45.5)	48	2.35	(59.7)
1.75	(44.5)	51	2.30	(58.4)
1.70	(43.0)	54	2.25	(57.2)
1.65	(42.0)	57	2.20	(55.9)
1.60	(40.5)	60	2.15	(54.6)
1.55	(39.5)	63	2.10	(53.3)
1.50	(38.0)	66	2.05	(52.1)
1.45	(37.0)	69	2.00	(50.8)
1.40	(35.5)	72	1.95	(49.5)
1.35	(34.5)	75	1.90	(48.3)
1.30	(33.0)	78	1.85	(47.0)
1.25	(32.0)	81	1.80	(45.7)
1.20	(30.5)	84	1.75	(44.5)
1.15	(29.0)	87	1.70	(43.2)
1.10	(28.0)	90	1.65	(41.9)
1.05	(26.5)	92	1.60	(40.6)
1.00	(25.5)	94	1.55	(39.4)
0.95	(24.0)	96	1.50	(38.1)
0.90	(23.0)	98	1.45	(36.8)
0.85	(21.5)	100	1.40	(35.6)
0.80	(20.5)	102	1.35	(34.3)
0.75	(19.0)	104	1.30	(33.0)
0.70	(18.0)	106	1.25	(31.8)
0.65	(16.5)	108	1.20	(30.5)
0.60	(15.0)	110	1.15	(29.2)
0.55	(14.0)	112	1.10	(27.9)
0.50	(12.5)	114	1.05	(26.7)
0.45	(11.5)	116	1.00	(25.4)
0.40	(10.0)	118	0.95	(24.1)
0.35	(9.0)	120	0.90	(22.9)

Undercarriage Code: 546, 5461, 547, 5471, 566, 5661, 567, 578, 5781

Track Shoes

Double Grouser



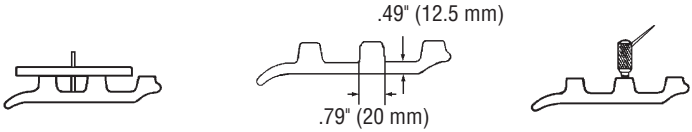
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.40	(35.5)	0	1.89	(48.0)
1.35	(34.5)	8	1.84	(46.7)
1.30	(33.0)	16	1.79	(45.5)
1.25	(32.0)	24	1.74	(44.2)
1.20	(30.5)	32	1.69	(42.9)
1.15	(29.0)	40	1.64	(41.7)
1.10	(28.0)	48	1.59	(40.4)
1.05	(26.5)	56	1.54	(39.1)
1.00	(25.5)	64	1.49	(37.8)
0.95	(24.0)	72	1.44	(36.6)
0.90	(23.0)	79	1.39	(35.3)
0.85	(21.5)	86	1.34	(34.0)
0.80	(20.5)	93	1.29	(32.8)
0.75	(19.0)	100	1.24	(31.5)
0.70	(18.0)	107	1.19	(30.2)
0.65	(16.5)	114	1.14	(29.0)
0.60	(15.0)	121	1.09	(27.7)

Undercarriage Code: 546, 5461, 547, 5471, 566, 5661, 567, 578, 5781

315, 317, 318, 320, 322 — 7.50" (190 mm)

Track Shoes

Extreme Service Triple Grouser

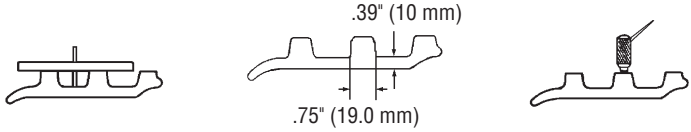


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.10	(28.0)	0	1.60	(40.6)
1.05	(26.5)	6	1.55	(39.4)
1.00	(25.5)	12	1.50	(38.1)
0.95	(24.0)	18	1.45	(36.8)
0.90	(23.0)	24	1.40	(35.6)
0.85	(21.5)	30	1.35	(34.3)
0.80	(20.5)	36	1.30	(33.0)
0.75	(19.0)	42	1.25	(31.8)
0.70	(18.0)	48	1.20	(30.5)
0.65	(16.5)	54	1.15	(29.2)
0.60	(15.0)	60	1.10	(27.9)
0.55	(14.0)	66	1.05	(26.7)
0.50	(12.5)	72	1.00	(25.4)
0.45	(11.5)	78	0.95	(24.1)
0.40	(10.0)	84	0.90	(22.9)
0.35	(9.0)	90	0.85	(21.6)
0.30	(7.5)	95	0.80	(20.3)
0.25	(6.5)	100	0.75	(19.1)
0.20	(5.0)	105	0.70	(17.8)
0.15	(4.0)	110	0.65	(16.5)
0.10	(2.5)	115	0.60	(15.2)
0.05	(1.5)	120	0.55	(14.0)

Undercarriage Code: 546, 5461, 547, 5471, 566, 5661, 567, 578, 5781

Track Shoes

Triple Grouser

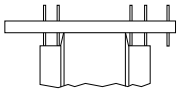


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.00	(25.5)	0	1.42	(36.0)
0.95	(24.0)	7	1.37	(34.7)
0.90	(23.0)	14	1.32	(33.5)
0.85	(21.5)	21	1.27	(32.2)
0.80	(20.5)	28	1.22	(30.9)
0.75	(19.0)	35	1.17	(29.7)
0.70	(18.0)	42	1.12	(28.4)
0.65	(16.5)	49	1.07	(27.1)
0.60	(15.0)	56	1.02	(25.8)
0.55	(14.0)	63	0.97	(24.6)
0.50	(12.5)	70	0.92	(23.3)
0.45	(11.5)	76	0.87	(22.0)
0.40	(10.0)	82	0.82	(20.8)
0.35	(9.0)	88	0.77	(19.5)
0.30	(7.5)	94	0.72	(18.2)
0.25	(6.5)	100	0.67	(17.0)
0.20	(5.0)	106	0.62	(15.7)
0.15	(4.0)	112	0.57	(14.4)
0.10	(2.5)	118	0.52	(13.1)
0.05	(1.5)	124	0.47	(11.9)

Undercarriage Code: 546, 5461, 547, 5471, 566, 5661, 567, 578, 5781

315, 317, 318, 320, 322 — 7.50" (190 mm)

Idlers





Depth Gauge Inches	(mm)	% Worn
0.74	(19.0)	0
0.76	(19.5)	12
0.78	(20.0)	24
0.80	(20.5)	36
0.82	(21.0)	48
0.84	(21.5)	60
0.86	(22.0)	72
0.88	(22.5)	76
0.90	(23.0)	80
0.92	(23.5)	84
0.94	(24.0)	88
0.96	(24.5)	92
0.98	(25.0)	96
1.00	(25.5)	100
1.02	(26.0)	104
1.04	(26.5)	108
1.06	(27.0)	112
1.08	(27.5)	116
1.10	(28.0)	120

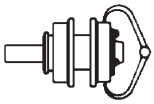
Flange width: 3.31" (84 mm)

Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.40	(10.2)	0.00	(0.0)
0.38	(9.7)	0.02	(0.5)
0.36	(9.1)	0.04	(1.0)
0.34	(8.6)	0.06	(1.5)
0.32	(8.1)	0.08	(2.0)
0.30	(7.6)	0.10	(2.5)
0.28	(7.1)	0.12	(3.0)
0.26	(6.6)	0.14	(3.5)
0.24	(6.1)	0.16	(4.0)
0.22	(5.6)	0.18	(4.5)
0.20	(5.1)	0.20	(5.0)
0.18	(4.6)	0.22	(5.5)
0.16	(4.1)	0.24	(6.0)
0.14	(3.6)	0.26	(6.5)
0.12	(3.0)	0.28	(7.0)
0.10	(2.5)	0.30	(7.5)
0.08	(2.0)	0.32	(8.0)
0.06	(1.5)	0.34	(8.5)
0.04	(1.0)	0.36	(9.0)

NOTE: Ultrasonic measurement is to determine flange wear only. Use ultrasonic only on fabricated idlers.

Undercarriage Code: 546, 5461, 547, 5471, 566, 5661, 567, 578, 5781

Carrier Rollers



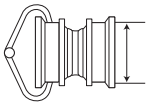
Caliper Inches	(mm)	% Worn
4.72	(120.0)	0
4.68	(119.0)	6
4.64	(118.0)	12
4.60	(117.0)	18
4.56	(116.0)	24
4.52	(115.0)	30
4.48	(114.0)	36
4.44	(113.0)	42
4.40	(112.0)	48
4.36	(110.5)	54
4.32	(109.5)	60
4.28	(108.5)	66
4.24	(107.5)	72
4.20	(106.5)	76
4.16	(105.5)	80
4.12	(104.5)	84
4.08	(103.5)	88
4.04	(102.5)	92
4.00	(101.5)	96
3.96	(100.5)	100
3.92	(99.5)	104
3.88	(98.5)	108
3.84	(97.5)	112
3.80	(96.5)	116
3.76	(95.5)	120

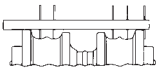
Undercarriage Code: 546, 5461, 547, 5471, 566, 5661, 567, 578, 5781

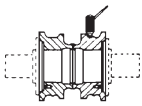
315, 317, 318, 320 — 7.50" (190 mm)

Track Rollers

Not for use on 322







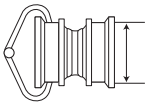
Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
5.90	(150.0)	0	0.69	(17.5)	1.69	(42.9)
5.86	(149.0)	7	0.71	(18.0)	1.67	(42.4)
5.82	(148.0)	14	0.73	(18.5)	1.65	(41.9)
5.78	(147.0)	21	0.75	(19.0)	1.63	(41.4)
5.74	(146.0)	28	0.77	(19.5)	1.61	(40.9)
5.70	(145.0)	35	0.79	(20.0)	1.59	(40.4)
5.66	(144.0)	42	0.81	(20.5)	1.57	(39.9)
5.62	(142.5)	49	0.83	(21.0)	1.55	(39.4)
5.58	(141.5)	56	0.85	(21.5)	1.53	(38.9)
5.54	(140.5)	63	0.87	(22.0)	1.51	(38.4)
5.50	(139.5)	70	0.89	(22.5)	1.49	(37.8)
5.46	(138.5)	76	0.91	(23.0)	1.47	(37.3)
5.42	(137.5)	80	0.93	(23.5)	1.45	(36.8)
5.38	(136.5)	84	0.95	(24.0)	1.43	(36.3)
5.34	(135.5)	88	0.97	(24.5)	1.41	(35.8)
5.30	(134.5)	92	0.99	(25.0)	1.39	(35.3)
5.26	(133.5)	96	1.01	(25.5)	1.37	(34.8)
5.22	(132.5)	100	1.03	(26.0)	1.35	(34.3)
5.18	(131.5)	104	1.05	(26.5)	1.33	(33.8)
5.14	(130.5)	108	1.07	(27.0)	1.31	(33.3)
5.10	(129.5)	112	1.09	(27.5)	1.29	(32.8)
5.06	(128.5)	116	1.11	(28.0)	1.27	(32.3)
5.02	(127.5)	120	1.13	(28.5)	1.25	(31.8)

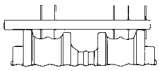
Flange diameter is 7.28" (185 mm)

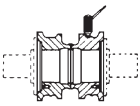
Undercarriage Code: 546, 5461, 547, 5471, 566, 5661, 567

Track Rollers

Only use for 322







Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
6.30	(160.0)	0	0.69	(17.5)	1.73	(43.9)
6.28	(159.5)	4	0.70	(18.0)	1.72	(43.7)
6.26	(159.0)	8	0.71	(18.0)	1.71	(43.4)
6.24	(158.5)	12	0.72	(18.5)	1.70	(43.2)
6.22	(158.0)	16	0.73	(18.5)	1.69	(42.9)
6.20	(157.5)	20	0.74	(19.0)	1.68	(42.7)
6.18	(157.0)	24	0.75	(19.0)	1.67	(42.4)
6.16	(156.5)	28	0.76	(19.5)	1.66	(42.2)
6.14	(156.0)	32	0.77	(19.5)	1.65	(41.9)
6.12	(155.5)	36	0.78	(20.0)	1.64	(41.7)
6.10	(155.0)	40	0.79	(20.0)	1.63	(41.4)
6.08	(154.5)	44	0.80	(20.5)	1.62	(41.1)
6.06	(154.0)	48	0.81	(20.5)	1.61	(40.9)
6.04	(153.5)	52	0.82	(21.0)	1.60	(40.6)
6.02	(153.0)	56	0.83	(21.0)	1.59	(40.4)
6.00	(152.5)	60	0.84	(21.5)	1.58	(40.1)
5.98	(152.0)	62	0.85	(21.5)	1.57	(39.9)
5.96	(151.5)	64	0.86	(22.0)	1.56	(39.6)
5.94	(151.0)	66	0.87	(22.0)	1.55	(39.4)
5.92	(150.5)	68	0.88	(22.5)	1.54	(39.1)
5.90	(150.0)	70	0.89	(22.5)	1.53	(38.9)
5.88	(149.5)	72	0.90	(23.0)	1.52	(38.6)
5.86	(149.0)	74	0.91	(23.0)	1.51	(38.4)
5.84	(148.5)	76	0.92	(23.5)	1.50	(38.1)
5.82	(148.0)	78	0.93	(23.5)	1.49	(37.8)
5.80	(147.5)	80	0.94	(24.0)	1.48	(37.6)
5.78	(147.0)	82	0.95	(24.0)	1.47	(37.3)
5.76	(146.5)	84	0.96	(24.5)	1.46	(37.1)
5.74	(146.0)	86	0.97	(24.5)	1.45	(36.8)
5.72	(145.5)	88	0.98	(25.0)	1.44	(36.6)
5.70	(145.0)	90	0.99	(25.0)	1.43	(36.3)
5.68	(144.5)	92	1.00	(25.5)	1.42	(36.1)
5.66	(144.0)	94	1.01	(25.5)	1.41	(35.8)
5.64	(143.5)	96	1.02	(26.0)	1.40	(35.6)
5.62	(142.5)	98	1.03	(26.0)	1.39	(35.3)
5.60	(142.0)	100	1.04	(26.5)	1.38	(35.1)
5.58	(141.5)	102	1.05	(26.5)	1.37	(34.8)
5.56	(141.0)	104	1.06	(27.0)	1.36	(34.5)
5.54	(140.5)	106	1.07	(27.0)	1.35	(34.3)
5.52	(140.0)	108	1.08	(27.5)	1.34	(34.0)
5.50	(139.5)	110	1.09	(27.5)	1.33	(33.8)
5.48	(139.0)	112	1.10	(28.0)	1.32	(33.5)
5.46	(138.5)	114	1.11	(28.0)	1.31	(33.3)
5.44	(138.0)	116	1.12	(28.5)	1.30	(33.0)
5.42	(137.5)	118	1.13	(28.5)	1.29	(32.8)
5.40	(137.0)	120	1.14	(29.0)	1.28	(32.5)

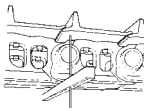
Flange diameter is 7.68" (195 mm)

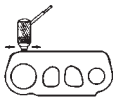
Undercarriage Code: 578, 5781

320S, 322 FM, 325 — 8.00" (203.2 mm)

Track Links

6Y1607 & 08
Not for use on 325 FM



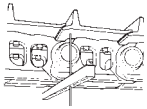


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
4.52	(115.0)	0	1.26	(32.0)
4.50	(114.5)	8	1.24	(31.5)
4.48	(114.0)	16	1.22	(31.0)
4.46	(113.5)	24	1.20	(30.5)
4.44	(113.0)	32	1.18	(30.0)
4.42	(112.5)	40	1.16	(29.5)
4.40	(112.0)	45	1.14	(29.0)
4.38	(111.5)	50	1.12	(28.4)
4.36	(110.5)	55	1.10	(27.9)
4.34	(110.0)	60	1.08	(27.4)
4.32	(109.5)	65	1.06	(26.9)
4.30	(109.0)	70	1.04	(26.4)
4.28	(108.5)	75	1.02	(25.9)
4.26	(108.0)	80	1.00	(25.4)
4.24	(107.5)	85	0.98	(24.9)
4.22	(107.0)	90	0.96	(24.4)
4.20	(106.5)	95	0.94	(23.9)
4.18	(106.0)	100	0.92	(23.4)
4.16	(105.5)	105	0.90	(22.9)
4.14	(105.0)	110	0.88	(22.4)
4.12	(104.5)	115	0.86	(21.8)
4.10	(104.0)	120	0.84	(21.3)

Undercarriage Code: 568, 5681, 579, 5791, 591, 5911

Track Links

Heavy Duty Track
8E7405 & 06
Use only for 325 FM



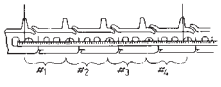


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
5.19	(132.0)	0	1.69	(42.9)
5.17	(131.5)	4	1.67	(42.4)
5.15	(131.0)	8	1.65	(41.9)
5.13	(130.5)	12	1.63	(41.4)
5.11	(130.0)	16	1.61	(40.9)
5.09	(129.5)	20	1.59	(40.4)
5.07	(129.0)	24	1.57	(39.9)
5.05	(128.5)	28	1.55	(39.4)
5.03	(128.0)	32	1.53	(38.9)
5.01	(127.5)	36	1.51	(38.4)
4.99	(126.5)	40	1.49	(37.8)
4.97	(126.0)	44	1.47	(37.3)
4.95	(125.5)	48	1.45	(36.8)
4.93	(125.0)	52	1.43	(36.3)
4.91	(124.5)	56	1.41	(35.8)
4.89	(124.0)	60	1.39	(35.3)
4.87	(123.5)	64	1.37	(34.8)
4.85	(123.0)	68	1.35	(34.3)
4.83	(122.5)	72	1.33	(33.8)
4.81	(122.0)	76	1.31	(33.3)
4.79	(121.5)	80	1.29	(32.8)
4.77	(121.0)	84	1.27	(32.3)
4.75	(120.5)	88	1.25	(31.8)
4.73	(120.0)	91	1.23	(31.2)
4.71	(119.5)	94	1.21	(30.7)
4.69	(119.0)	97	1.19	(30.2)
4.67	(118.5)	100	1.17	(29.7)
4.65	(118.0)	103	1.15	(29.2)
4.63	(117.5)	106	1.13	(28.7)
4.61	(117.0)	109	1.11	(28.2)
4.59	(116.5)	112	1.09	(27.7)
4.57	(116.0)	115	1.07	(27.2)
4.55	(115.5)	118	1.05	(26.7)
4.53	(115.0)	121	1.03	(26.2)

320 S, 322 FM, 325 — 8.00" (203.2 mm)

Pins and Bushings

Internal Wear
Sealed Track
Grease Lubricated Track

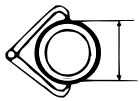


Inches	(mm)	% Worn
32.00	(813.0)	0
32.05	(814.0)	10
32.10	(815.5)	20
32.15	(816.5)	30
32.20	(818.0)	40
32.25	(819.0)	50
32.30	(820.5)	60
32.35	(821.5)	70
32.40	(823.0)	80
32.45	(824.0)	90
32.50	(825.5)	100
32.55	(827.0)	105
32.60	(828.0)	110
32.65	(829.5)	115
32.70	(830.5)	120

Undercarriage Code: 568, 5681, 579, 5791, 591, 5911, 592

Bushings for Sealed Track

External Wear
Grease Lubricated Track
Use only for 325 FM





Caliper Inches	Caliper (mm)	Allowable Wear Lesser % Worn	Allowable Wear Greater % Worn	Ultrasonic Inches	Ultrasonic (mm)
2.86	(72.6)	0	0	0.53	(13.5)
2.85	(72.4)	5	4	0.52	(13.2)
2.84	(72.1)	10	8	0.51	(13.0)
2.83	(71.9)	15	12	0.50	(12.7)
2.82	(71.6)	20	16	0.49	(12.4)
2.81	(71.4)	25	20	0.48	(12.2)
2.80	(71.1)	30	24	0.47	(11.9)
2.79	(70.9)	35	28	0.46	(11.7)
2.78	(70.6)	40	32	0.45	(11.4)
2.77	(70.4)	45	36	0.44	(11.2)
2.76	(70.1)	50	40	0.43	(10.9)
2.75	(69.9)	55	44	0.42	(10.7)
2.74	(69.6)	60	46	0.41	(10.4)
2.73	(69.3)	65	48	0.40	(10.2)
2.72	(69.1)	70	50	0.39	(9.9)
2.71	(68.8)	72	52	0.38	(9.7)
2.70	(68.6)	74	54	0.37	(9.4)
2.69	(68.3)	76	56	0.36	(9.1)
2.68	(68.1)	78	58	0.35	(8.9)
2.67	(67.8)	80	60	0.34	(8.6)
2.66	(67.6)	82	62	0.33	(8.4)
2.65	(67.3)	84	64	0.32	(8.1)
2.64	(67.1)	86	66	0.31	(7.9)
2.63	(66.8)	88	68	0.30	(7.6)
2.62	(66.5)	90	70	0.29	(7.4)
2.61	(66.3)	92	72	0.28	(7.1)
2.60	(66.0)	94	74	0.27	(6.9)
2.59	(65.8)	96	76	0.26	(6.6)
2.58	(65.5)	98	78	0.25	(6.3)
2.57	(65.3)	100	80	0.24	(6.1)
2.56	(65.0)	102	82	0.23	(5.8)
2.55	(64.8)	104	84	0.22	(5.6)
2.54	(64.5)	106	86	0.21	(5.3)
2.53	(64.3)	108	88	0.20	(5.1)
2.52	(64.0)	110	90	0.19	(4.8)
2.51	(63.8)	112	92	0.18	(4.6)
2.50	(63.5)	114	94	0.17	(4.3)
2.49	(63.2)	116	96	0.16	(4.1)
2.48	(63.0)	118	98	0.15	(3.8)
2.47	(62.7)	120	100	0.14	(3.6)
2.46	(62.5)		102	0.13	(3.3)
2.45	(62.2)		104	0.12	(3.0)
2.44	(62.0)		106	0.11	(2.8)
2.43	(61.7)		108	0.10	(2.5)
2.42	(61.5)		110	0.09	(2.3)
2.41	(61.2)		112	0.08	(2.0)
2.40	(61.0)		114	0.07	(1.8)
2.39	(60.7)		116	0.06	(1.5)
2.38	(60.5)		118	0.05	(1.3)
2.37	(60.2)		120	0.04	(1.0)

Undercarriage Code: 592

320 S, 322 FM, 325 — 8.00" (203.2 mm)

Bushings for Sealed Track

External Wear
Grease Lubricated Track
Not for use on 325 FM





Caliper		Allowable Wear		Ultrasonic	
		Lesser	Greater		
Inches	(mm)	% Worn	% Worn	Inches	(mm)
2.60	(66.0)	0	0	0.45	(11.4)
2.59	(65.8)	9	7	0.44	(11.2)
2.58	(65.5)	18	14	0.43	(10.9)
2.57	(65.3)	27	21	0.42	(10.7)
2.56	(65.0)	36	28	0.41	(10.4)
2.55	(64.8)	45	35	0.40	(10.2)
2.54	(64.5)	54	42	0.39	(9.9)
2.53	(64.3)	63	49	0.38	(9.7)
2.52	(64.0)	68	55	0.37	(9.4)
2.51	(63.8)	72	58	0.36	(9.1)
2.50	(63.5)	76	61	0.35	(8.9)
2.49	(63.2)	80	64	0.34	(8.6)
2.48	(63.0)	84	67	0.33	(8.4)
2.47	(62.7)	88	70	0.32	(8.1)
2.46	(62.5)	92	73	0.31	(7.9)
2.45	(62.2)	96	76	0.30	(7.6)
2.44	(62.0)	100	79	0.29	(7.4)
2.43	(61.7)	104	82	0.28	(7.1)
2.42	(61.5)	108	85	0.27	(6.9)
2.41	(61.2)	112	88	0.26	(6.6)
2.40	(61.0)	116	91	0.25	(6.4)
2.39	(60.7)	120	94	0.24	(6.1)
2.38	(60.5)		97	0.23	(5.8)
2.37	(60.2)		100	0.22	(5.6)
2.36	(59.9)		103	0.21	(5.3)
2.35	(59.7)		106	0.20	(5.1)
2.34	(59.4)		109	0.19	(4.8)
2.33	(59.2)		112	0.18	(4.6)
2.32	(58.9)		115	0.17	(4.3)
2.31	(58.7)		118	0.16	(4.1)
2.30	(58.4)		121	0.15	(3.8)

Undercarriage Code: 5681, 5791, 5911

Bushings for Sealed Track

External Wear
Sealed Track
Not for use on 325 FM





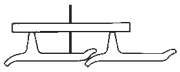
Caliper		Allowable Wear		Ultrasonic	
Inches	(mm)	Lesser % Worn	Greater % Worn	Inches	(mm)
2.54	(64.5)	0	0	0.42	(10.7)
2.53	(64.3)	9	7	0.41	(10.4)
2.52	(64.0)	18	14	0.40	(10.2)
2.51	(63.8)	27	21	0.39	(9.9)
2.50	(63.5)	36	28	0.38	(9.7)
2.49	(63.2)	45	35	0.37	(9.4)
2.48	(63.0)	54	42	0.36	(9.1)
2.47	(62.7)	63	49	0.35	(8.9)
2.46	(62.5)	72	56	0.34	(8.6)
2.45	(62.2)	81	63	0.33	(8.4)
2.44	(62.0)	88	70	0.32	(8.1)
2.43	(61.7)	92	73	0.31	(7.9)
2.42	(61.5)	96	76	0.30	(7.6)
2.41	(61.2)	100	79	0.29	(7.4)
2.40	(61.0)	104	82	0.28	(7.1)
2.39	(60.7)	108	85	0.27	(6.9)
2.38	(60.5)	112	88	0.26	(6.6)
2.37	(60.2)	116	91	0.25	(6.4)
2.36	(59.9)	120	94	0.24	(6.1)
2.35	(59.7)		97	0.23	(5.8)
2.34	(59.4)		100	0.22	(5.6)
2.33	(59.2)		103	0.21	(5.3)
2.32	(58.9)		106	0.20	(5.1)
2.31	(58.7)		109	0.19	(4.8)
2.30	(58.4)		112	0.18	(4.6)
2.29	(58.2)		115	0.17	(4.3)
2.28	(57.9)		118	0.16	(4.1)
2.27	(57.7)		121	0.15	(3.8)

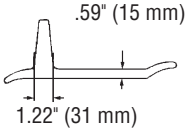
Undercarriage Code: 568, 579, 591

320 S, 322 FM, 325 — 8.00" (203.2 mm)

Track Shoes

Extreme Service





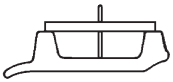


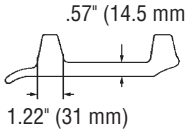
Depth Gauge			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
2.95	(75.0)	0	3.54	(90.0)
2.90	(73.5)	4	3.49	(88.7)
2.85	(72.5)	8	3.44	(87.5)
2.80	(71.0)	12	3.39	(86.2)
2.75	(70.0)	16	3.34	(84.9)
2.70	(68.5)	20	3.29	(83.7)
2.65	(67.5)	24	3.24	(82.4)
2.60	(66.0)	28	3.19	(81.1)
2.55	(65.0)	32	3.14	(79.8)
2.50	(63.5)	36	3.09	(78.6)
2.45	(62.0)	40	3.04	(77.3)
2.40	(61.0)	44	2.99	(76.0)
2.35	(59.5)	48	2.94	(74.8)
2.30	(58.5)	52	2.89	(73.5)
2.25	(57.0)	55	2.84	(72.2)
2.20	(56.0)	58	2.79	(71.0)
2.15	(54.5)	61	2.74	(69.7)
2.10	(53.5)	64	2.69	(68.4)
2.05	(52.0)	67	2.64	(67.1)
2.00	(51.0)	70	2.59	(65.9)
1.95	(49.5)	73	2.54	(64.6)
1.90	(48.5)	76	2.49	(63.3)
1.85	(47.0)	79	2.44	(62.1)
1.80	(45.5)	82	2.39	(60.8)
1.75	(44.5)	85	2.34	(59.5)
1.70	(43.0)	88	2.29	(58.3)
1.65	(42.0)	91	2.24	(57.0)
1.60	(40.5)	94	2.19	(55.7)
1.55	(39.5)	97	2.14	(54.4)
1.50	(38.0)	100	2.09	(53.2)
1.45	(37.0)	103	2.04	(51.9)
1.40	(35.5)	106	1.99	(50.6)
1.35	(34.5)	109	1.94	(49.4)
1.30	(33.0)	112	1.89	(48.1)
1.25	(32.0)	115	1.84	(46.8)
1.20	(30.5)	118	1.79	(45.6)
1.15	(29.0)	121	1.74	(44.3)

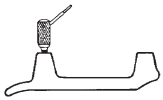
Undercarriage Code: 568, 5681, 579, 5791, 591, 5911, 592

Track Shoes

Double Grouser







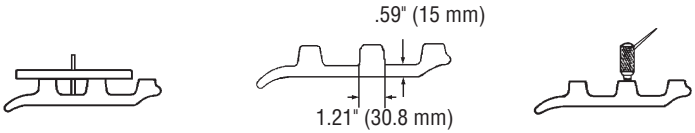
Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
1.65	(42.0)	0	2.22	(56.5)
1.60	(40.5)	6	2.17	(55.2)
1.55	(39.5)	12	2.12	(54.0)
1.50	(38.0)	18	2.07	(52.7)
1.45	(37.0)	24	2.02	(51.4)
1.40	(35.5)	30	1.97	(50.2)
1.35	(34.5)	36	1.92	(48.9)
1.30	(33.0)	42	1.87	(47.6)
1.25	(32.0)	48	1.82	(46.3)
1.20	(30.5)	54	1.77	(45.1)
1.15	(29.0)	60	1.72	(43.8)
1.10	(28.0)	65	1.67	(42.5)
1.05	(26.5)	70	1.62	(41.3)
1.00	(25.5)	75	1.57	(40.0)
0.95	(24.0)	80	1.52	(38.7)
0.90	(23.0)	85	1.47	(37.5)
0.85	(21.5)	90	1.42	(36.2)
0.80	(20.5)	95	1.37	(34.9)
0.75	(19.0)	100	1.32	(33.6)
0.70	(18.0)	105	1.27	(32.4)
0.65	(16.5)	110	1.22	(31.1)
0.60	(15.0)	115	1.17	(29.8)
0.55	(14.0)	120	1.12	(28.6)

Undercarriage Code: 568, 5681, 579, 5791, 591, 5911, 592

320 S, 322 FM, 325 — 8.00" (203.2 mm)

Track Shoes

Extreme Service Triple Grouser

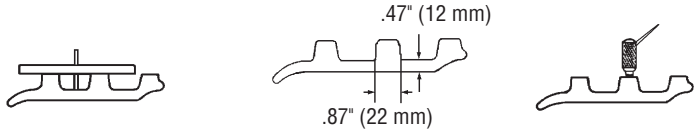


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.05	(26.5)	0	1.65	(41.9)
1.00	(25.5)	10	1.60	(40.6)
0.95	(24.0)	19	1.55	(39.4)
0.90	(23.0)	28	1.50	(38.1)
0.85	(21.5)	37	1.45	(36.8)
0.80	(20.5)	46	1.40	(35.6)
0.75	(19.0)	55	1.35	(34.3)
0.70	(18.0)	64	1.30	(33.0)
0.65	(16.5)	73	1.25	(31.8)
0.60	(15.0)	82	1.20	(30.5)
0.55	(14.0)	91	1.15	(29.2)
0.50	(12.5)	100	1.10	(27.9)
0.45	(11.5)	109	1.05	(26.7)
0.40	(10.0)	118	1.00	(25.4)
0.35	(9.0)	127	0.95	(24.1)

Undercarriage Code: 568, 5681, 579, 5791, 591, 5911

Track Shoes

Triple Grouser

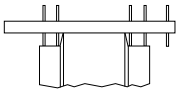


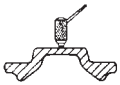
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.10	(28.0)	0	1.57	(40.0)
1.05	(26.5)	9	1.52	(38.7)
1.00	(25.5)	18	1.47	(37.5)
0.95	(24.0)	27	1.42	(36.2)
0.90	(23.0)	36	1.37	(34.9)
0.85	(21.5)	44	1.32	(33.7)
0.80	(20.5)	52	1.27	(32.4)
0.75	(19.0)	60	1.22	(31.1)
0.70	(18.0)	68	1.17	(29.8)
0.65	(16.5)	76	1.12	(28.6)
0.60	(15.0)	84	1.07	(27.3)
0.55	(14.0)	92	1.02	(26.0)
0.50	(12.5)	100	0.97	(24.8)
0.45	(11.5)	108	0.92	(23.5)
0.40	(10.0)	116	0.87	(22.2)
0.35	(9.0)	124	0.82	(21.0)

Undercarriage Code: 568, 5681, 579, 5791, 591, 5911, 592

320 S, 322 FM, 325 — 8.00" (203.2 mm)

Idlers



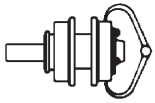


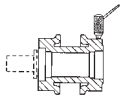
Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.78	(20.0)	0	0.49	(12.4)	0.00	(0.0)
0.80	(20.5)	12	0.47	(11.9)	0.02	(0.5)
0.82	(21.0)	24	0.45	(11.4)	0.04	(1.0)
0.84	(21.5)	36	0.43	(10.9)	0.06	(1.5)
0.86	(22.0)	44	0.41	(10.4)	0.08	(2.0)
0.88	(22.5)	48	0.39	(9.9)	0.10	(2.5)
0.90	(23.0)	52	0.37	(9.4)	0.12	(3.0)
0.92	(23.5)	56	0.35	(8.9)	0.14	(3.5)
0.94	(24.0)	60	0.33	(8.4)	0.16	(4.0)
0.96	(24.5)	64	0.31	(7.9)	0.18	(4.5)
0.98	(25.0)	68	0.29	(7.4)	0.20	(5.0)
1.00	(25.5)	72	0.27	(6.9)	0.22	(5.5)
1.02	(26.0)	76	0.25	(6.3)	0.24	(6.0)
1.04	(26.5)	80	0.23	(5.8)	0.26	(6.5)
1.06	(27.0)	84	0.21	(5.3)	0.28	(7.0)
1.08	(27.5)	88	0.19	(4.8)	0.30	(7.5)
1.10	(28.0)	92	0.17	(4.3)	0.32	(8.0)
1.12	(28.5)	96	0.15	(3.8)	0.34	(8.5)
1.14	(29.0)	100	0.13	(3.3)	0.36	(9.0)
1.16	(29.5)	104	0.11	(2.8)	0.38	(9.5)
1.18	(30.0)	108	0.09	(2.3)	0.40	(10.0)
1.20	(30.5)	112	0.07	(1.8)	0.42	(10.5)
1.22	(31.0)	116	0.05	(1.3)	0.44	(11.0)
1.24	(31.5)	120	0.03	(0.8)	0.46	(11.5)

Flange width: 3.74" (95 mm)

Undercarriage Code: 568, 5681, 579, 5791, 591, 5911, 592

Carrier Rollers



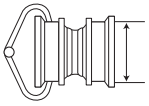


Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
6.30	(160.0)	0	1.62	(41.1)
6.26	(159.0)	6	1.60	(40.6)
6.22	(158.0)	12	1.58	(40.1)
6.18	(157.0)	18	1.56	(39.6)
6.14	(156.0)	24	1.54	(39.1)
6.10	(155.0)	30	1.52	(38.6)
6.06	(154.0)	36	1.50	(38.1)
6.02	(153.0)	40	1.48	(37.6)
5.98	(152.0)	44	1.46	(37.1)
5.94	(151.0)	48	1.44	(36.6)
5.90	(150.0)	52	1.42	(36.1)
5.86	(149.0)	56	1.40	(35.6)
5.82	(148.0)	60	1.38	(35.1)
5.78	(147.0)	64	1.36	(34.5)
5.74	(146.0)	68	1.34	(34.0)
5.70	(145.0)	72	1.32	(33.5)
5.66	(144.0)	76	1.30	(33.0)
5.62	(142.5)	80	1.28	(32.5)
5.58	(141.5)	84	1.26	(32.0)
5.54	(140.5)	88	1.24	(31.5)
5.50	(139.5)	92	1.22	(31.0)
5.46	(138.5)	96	1.20	(30.5)
5.42	(137.5)	100	1.18	(30.0)
5.38	(136.5)	104	1.16	(29.5)
5.34	(135.5)	108	1.14	(29.0)
5.30	(134.5)	112	1.12	(28.4)
5.26	(133.5)	116	1.10	(27.9)
5.22	(132.5)	120	1.08	(27.4)

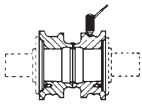
Undercarriage Code: 568, 5681, 579, 5791, 591, 5911, 592

320 S, 322 FM, 325 — 8.00" (203.2 mm)

Track Rollers







Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
6.30	(160.0)	0	0.69	(17.5)	1.73	(43.9)
6.28	(159.5)	4	0.70	(18.0)	1.72	(43.7)
6.26	(159.0)	8	0.71	(18.0)	1.71	(43.4)
6.24	(158.5)	12	0.72	(18.5)	1.70	(43.2)
6.22	(158.0)	16	0.73	(18.5)	1.69	(42.9)
6.20	(157.5)	20	0.74	(19.0)	1.68	(42.7)
6.18	(157.0)	24	0.75	(19.0)	1.67	(42.4)
6.16	(156.5)	28	0.76	(19.5)	1.66	(42.2)
6.14	(156.0)	32	0.77	(19.5)	1.65	(41.9)
6.12	(155.5)	36	0.78	(20.0)	1.64	(41.7)
6.10	(155.0)	40	0.79	(20.0)	1.63	(41.4)
6.08	(154.5)	44	0.80	(20.5)	1.62	(41.1)
6.06	(154.0)	48	0.81	(20.5)	1.61	(40.9)
6.04	(153.5)	52	0.82	(21.0)	1.60	(40.6)
6.02	(153.0)	56	0.83	(21.0)	1.59	(40.4)
6.00	(152.5)	60	0.84	(21.5)	1.58	(40.1)
5.98	(152.0)	62	0.85	(21.5)	1.57	(39.9)
5.96	(151.5)	64	0.86	(22.0)	1.56	(39.6)
5.94	(151.0)	66	0.87	(22.0)	1.55	(39.4)
5.92	(150.5)	68	0.88	(22.5)	1.54	(39.1)
5.90	(150.0)	70	0.89	(22.5)	1.53	(38.9)
5.88	(149.5)	72	0.90	(23.0)	1.52	(38.6)
5.86	(149.0)	74	0.91	(23.0)	1.51	(38.4)
5.84	(148.5)	76	0.92	(23.5)	1.50	(38.1)
5.82	(148.0)	78	0.93	(23.5)	1.49	(37.8)
5.80	(147.5)	80	0.94	(24.0)	1.48	(37.6)
5.78	(147.0)	82	0.95	(24.0)	1.47	(37.3)
5.76	(146.5)	84	0.96	(24.5)	1.46	(37.1)
5.74	(146.0)	86	0.97	(24.5)	1.45	(36.8)
5.72	(145.5)	88	0.98	(25.0)	1.44	(36.6)
5.70	(145.0)	90	0.99	(25.0)	1.43	(36.3)
5.68	(144.5)	92	1.00	(25.5)	1.42	(36.1)
5.66	(144.0)	94	1.01	(25.5)	1.41	(35.8)
5.64	(143.5)	96	1.02	(26.0)	1.40	(35.6)
5.62	(142.5)	98	1.03	(26.0)	1.39	(35.3)
5.60	(142.0)	100	1.04	(26.5)	1.38	(35.1)
5.58	(141.5)	102	1.05	(26.5)	1.37	(34.8)
5.56	(141.0)	104	1.06	(27.0)	1.36	(34.5)
5.54	(140.5)	106	1.07	(27.0)	1.35	(34.3)
5.52	(140.0)	108	1.08	(27.5)	1.34	(34.0)
5.50	(139.5)	110	1.09	(27.5)	1.33	(33.8)
5.48	(139.0)	112	1.10	(28.0)	1.32	(33.5)
5.46	(138.5)	114	1.11	(28.0)	1.31	(33.3)
5.44	(138.0)	116	1.12	(28.5)	1.30	(33.0)
5.42	(137.5)	118	1.13	(28.5)	1.29	(32.8)
5.40	(137.0)	120	1.14	(29.0)	1.28	(32.5)

Flange diameter is 7.68" (195 mm)

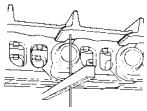
Undercarriage Code: 568, 5681, 579, 5791, 591, 5911, 592

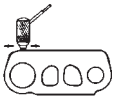
NOTES

330 — 8.50" (215.9 mm)

Track Links

6Y2589 & 90



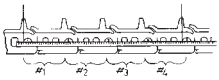


Depth Gauge			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
4.88	(124.0)	0	1.36	(34.5)
4.86	(123.5)	7	1.34	(34.0)
4.84	(123.0)	14	1.32	(33.5)
4.82	(122.5)	21	1.30	(33.0)
4.80	(122.0)	28	1.28	(32.5)
4.78	(121.5)	35	1.26	(32.0)
4.76	(121.0)	42	1.24	(31.5)
4.74	(120.5)	49	1.22	(31.0)
4.72	(120.0)	56	1.20	(30.5)
4.70	(119.5)	63	1.18	(30.0)
4.68	(119.0)	68	1.16	(29.5)
4.66	(118.5)	72	1.14	(29.0)
4.64	(118.0)	76	1.12	(28.4)
4.62	(117.5)	80	1.10	(27.9)
4.60	(117.0)	84	1.08	(27.4)
4.58	(116.5)	88	1.06	(26.9)
4.56	(116.0)	92	1.04	(26.4)
4.54	(115.5)	96	1.02	(25.9)
4.52	(115.0)	100	1.00	(25.4)
4.50	(114.5)	104	0.98	(24.9)
4.48	(114.0)	108	0.96	(24.4)
4.46	(113.5)	112	0.94	(23.9)
4.44	(113.0)	116	0.92	(23.4)
4.42	(112.5)	120	0.90	(22.9)

Undercarriage Code: 609, 6091

Pins and Bushings

Internal Wear
Sealed Track
Grease Lubricated Track



Inches	(mm)	% Worn
34.05	(865.0)	0
34.10	(866.0)	10
34.15	(867.5)	20
34.20	(868.5)	30
34.25	(870.0)	40
34.30	(871.0)	50
34.35	(872.5)	60
34.40	(874.0)	70
34.45	(875.0)	80
34.50	(876.5)	90
34.55	(877.5)	100
34.60	(879.0)	105
34.65	(880.0)	110
34.70	(881.5)	115
34.75	(882.5)	120

Track Bushings for Sealed Track

External Wear
Grease Lubricated Track





Caliper Inches	Caliper (mm)	Allowable Wear Lesser % Worn	Allowable Wear Greater % Worn	Ultrasonic Inches	Ultrasonic (mm)
2.75	(69.9)	0	0	0.45	(11.4)
2.74	(69.6)	9	7	0.44	(11.2)
2.73	(69.3)	18	14	0.43	(10.9)
2.72	(69.1)	27	21	0.42	(10.7)
2.71	(68.8)	36	28	0.41	(10.4)
2.70	(68.6)	45	35	0.40	(10.2)
2.69	(68.3)	54	42	0.39	(9.9)
2.68	(68.1)	63	49	0.38	(9.7)
2.67	(67.8)	68	55	0.37	(9.4)
2.66	(67.6)	72	58	0.36	(9.1)
2.65	(67.3)	76	61	0.35	(8.9)
2.64	(67.1)	80	64	0.34	(8.6)
2.63	(66.8)	84	67	0.33	(8.4)
2.62	(66.5)	88	70	0.32	(8.1)
2.61	(66.3)	92	73	0.31	(7.9)
2.60	(66.0)	96	76	0.30	(7.6)
2.59	(65.8)	100	79	0.29	(7.4)
2.58	(65.5)	104	82	0.28	(7.1)
2.57	(65.3)	108	85	0.27	(6.9)
2.56	(65.0)	112	88	0.26	(6.6)
2.55	(64.8)	116	91	0.25	(6.4)
2.54	(64.5)	120	94	0.24	(6.1)
2.53	(64.3)		97	0.23	(5.8)
2.52	(64.0)		100	0.22	(5.6)
2.51	(63.8)		103	0.21	(5.3)
2.50	(63.5)		106	0.20	(5.1)
2.49	(63.2)		109	0.19	(4.8)
2.48	(63.0)		112	0.18	(4.6)
2.47	(62.7)		115	0.17	(4.3)
2.46	(62.5)		118	0.16	(4.1)
2.45	(62.2)		121	0.15	(3.8)

Bushings for Sealed Track

External Wear
Sealed Track



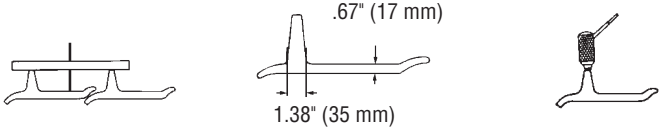


Caliper Inches	(mm)	Allowable Wear Lesser % Worn	Greater % Worn	Ultrasonic Inches	(mm)
2.70	(68.6)	0	0	0.42	(10.7)
2.69	(68.3)	9	7	0.41	(10.4)
2.68	(68.1)	18	14	0.40	(10.2)
2.67	(67.8)	27	21	0.39	(9.9)
2.66	(67.6)	36	28	0.38	(9.7)
2.65	(67.3)	45	35	0.37	(9.4)
2.64	(67.1)	54	42	0.36	(9.1)
2.63	(66.8)	63	49	0.35	(8.9)
2.62	(66.5)	72	56	0.34	(8.6)
2.61	(66.3)	81	63	0.33	(8.4)
2.60	(66.0)	88	70	0.32	(8.1)
2.59	(65.8)	92	73	0.31	(7.9)
2.58	(65.5)	96	76	0.30	(7.6)
2.57	(65.3)	100	79	0.29	(7.4)
2.56	(65.0)	104	82	0.28	(7.1)
2.55	(64.8)	108	85	0.27	(6.9)
2.54	(64.5)	112	88	0.26	(6.6)
2.53	(64.3)	116	91	0.25	(6.4)
2.52	(64.0)	120	94	0.24	(6.1)
2.51	(63.8)		97	0.23	(5.8)
2.50	(63.5)		100	0.22	(5.6)
2.49	(63.2)		103	0.21	(5.3)
2.48	(63.0)		106	0.20	(5.1)
2.47	(62.7)		109	0.19	(4.8)
2.46	(62.5)		112	0.18	(4.6)
2.45	(62.2)		115	0.17	(4.3)
2.44	(62.0)		118	0.16	(4.1)
2.43	(61.7)		121	0.15	(3.8)

330 — 8.50" (215.9 mm)

Track Shoes

Extreme Service

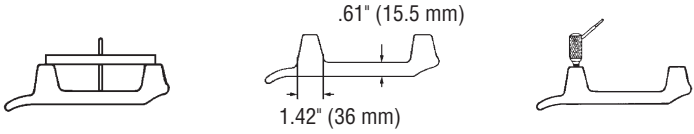


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
2.80	(71.0)	0	3.50	(88.9)
2.70	(68.5)	8	3.40	(86.4)
2.60	(66.0)	16	3.30	(83.8)
2.50	(63.5)	24	3.20	(81.3)
2.40	(61.0)	32	3.10	(78.7)
2.30	(58.5)	40	3.00	(76.2)
2.20	(56.0)	48	2.90	(73.7)
2.10	(53.5)	56	2.80	(71.1)
2.00	(51.0)	64	2.70	(68.6)
1.90	(48.5)	72	2.60	(66.0)
1.80	(45.5)	79	2.50	(63.5)
1.70	(43.0)	86	2.40	(61.0)
1.60	(40.5)	93	2.30	(58.4)
1.50	(38.0)	100	2.20	(55.9)
1.40	(35.5)	107	2.10	(53.3)
1.30	(33.0)	114	2.00	(50.8)
1.20	(30.5)	121	1.90	(48.3)

Undercarriage Code: 609, 6091

Track Shoes

Double Grouser



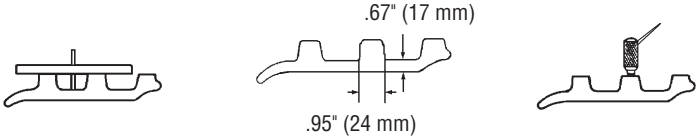
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.95	(49.5)	0	2.55	(64.8)
1.90	(48.5)	5	2.50	(63.5)
1.85	(47.0)	10	2.45	(62.2)
1.80	(45.5)	15	2.40	(61.0)
1.75	(44.5)	20	2.35	(59.7)
1.70	(43.0)	24	2.30	(58.4)
1.65	(42.0)	28	2.25	(57.2)
1.60	(40.5)	32	2.20	(55.9)
1.55	(39.5)	36	2.15	(54.6)
1.50	(38.0)	40	2.10	(53.3)
1.45	(37.0)	44	2.05	(52.1)
1.40	(35.5)	48	2.00	(50.8)
1.35	(34.5)	52	1.95	(49.5)
1.30	(33.0)	56	1.90	(48.3)
1.25	(32.0)	60	1.85	(47.0)
1.20	(30.5)	64	1.80	(45.7)
1.15	(29.0)	68	1.75	(44.5)
1.10	(28.0)	72	1.70	(43.2)
1.05	(26.5)	76	1.65	(41.9)
1.00	(25.5)	80	1.60	(40.6)
0.95	(24.0)	84	1.55	(39.4)
0.90	(23.0)	88	1.50	(38.1)
0.85	(21.5)	92	1.45	(36.8)
0.80	(20.5)	96	1.40	(35.6)
0.75	(19.0)	100	1.35	(34.3)
0.70	(18.0)	104	1.30	(33.0)
0.65	(16.5)	108	1.25	(31.8)
0.60	(15.0)	112	1.20	(30.5)
0.55	(14.0)	116	1.15	(29.2)
0.50	(12.5)	120	1.10	(27.9)

Undercarriage Code: 609, 6091

330 — 8.50" (215.9 mm)

Track Shoes

Extreme Service Triple Grouser

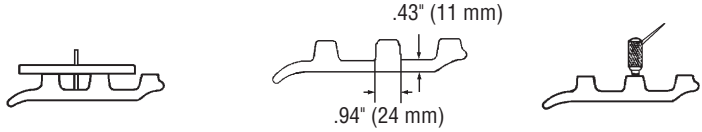


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.35	(34.5)	0	1.95	(49.5)
1.30	(33.0)	6	1.90	(48.2)
1.25	(32.0)	12	1.85	(47.0)
1.20	(30.5)	18	1.80	(45.7)
1.15	(29.0)	24	1.75	(44.4)
1.10	(28.0)	30	1.70	(43.2)
1.05	(26.5)	36	1.65	(41.9)
1.00	(25.5)	42	1.60	(40.6)
0.95	(24.0)	48	1.55	(39.3)
0.90	(23.0)	54	1.50	(38.1)
0.85	(21.5)	60	1.45	(36.8)
0.80	(20.5)	66	1.40	(35.5)
0.75	(19.0)	72	1.35	(34.3)
0.70	(18.0)	78	1.30	(33.0)
0.65	(16.5)	84	1.25	(31.7)
0.60	(15.0)	90	1.20	(30.5)
0.55	(14.0)	95	1.15	(29.2)
0.50	(12.5)	100	1.10	(27.9)
0.45	(11.5)	105	1.05	(26.6)
0.40	(10.0)	110	1.00	(25.4)
0.35	(9.0)	115	0.95	(24.1)
0.30	(7.5)	120	0.90	(22.8)

Undercarriage Code: 609, 6091

Track Shoes

Triple Grouser



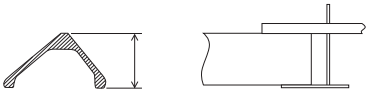
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.20	(30.5)	0	1.65	(41.9)
1.15	(29.0)	8	1.60	(40.6)
1.10	(28.0)	16	1.55	(39.4)
1.05	(26.5)	23	1.50	(38.1)
1.00	(25.5)	30	1.45	(36.8)
0.95	(24.0)	37	1.40	(35.6)
0.90	(23.0)	44	1.35	(34.3)
0.85	(21.5)	51	1.30	(33.0)
0.80	(20.5)	58	1.25	(31.8)
0.75	(19.0)	65	1.20	(30.5)
0.70	(18.0)	72	1.15	(29.2)
0.65	(16.5)	79	1.10	(27.9)
0.60	(15.0)	86	1.05	(26.7)
0.55	(14.0)	93	1.00	(25.4)
0.50	(12.5)	100	0.95	(24.1)
0.45	(11.5)	107	0.90	(22.9)
0.40	(10.0)	114	0.85	(21.6)
0.35	(9.0)	121	0.80	(20.3)

Undercarriage Code: 609, 6091

330 — 8.50" (215.9 mm)

Track Shoes

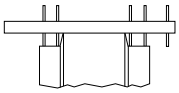
Self Cleaning

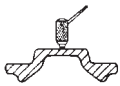


Depth Gauge Inches	(mm)	% Worn
3.93	(100.0)	0
3.91	(99.5)	5
3.89	(99.0)	10
3.87	(98.5)	15
3.85	(98.0)	20
3.83	(97.5)	25
3.81	(97.0)	30
3.79	(96.5)	35
3.77	(96.0)	40
3.75	(95.5)	45
3.73	(94.5)	50
3.71	(94.0)	55
3.69	(93.5)	60
3.67	(93.0)	65
3.65	(92.5)	70
3.63	(92.0)	75
3.61	(91.5)	80
3.59	(91.0)	84
3.57	(90.5)	88
3.55	(90.0)	92
3.53	(89.5)	96
3.51	(89.0)	100
3.49	(88.5)	104
3.47	(88.0)	108
3.45	(87.5)	112
3.43	(87.0)	116
3.41	(86.5)	120

Undercarriage Code: 609, 6091

Idlers





Depth Gauge Inches	(mm)	% Worn
0.78	(20.0)	0
0.80	(20.5)	7
0.82	(21.0)	14
0.84	(21.5)	21
0.86	(22.0)	28
0.88	(22.5)	35
0.90	(23.0)	40
0.92	(23.5)	45
0.94	(24.0)	50
0.96	(24.5)	55
0.98	(25.0)	60
1.00	(25.5)	65
1.02	(26.0)	70
1.04	(26.5)	75
1.06	(27.0)	80
1.08	(27.5)	85
1.10	(28.0)	90
1.12	(28.5)	95
1.14	(29.0)	100
1.16	(29.5)	105
1.18	(30.0)	110
1.20	(30.5)	115
1.22	(31.0)	120

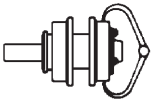
Flange width: 4.02" (102 mm)

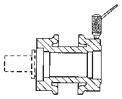
Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.48	(12.2)	0.00	(0.0)
0.46	(11.7)	0.02	(0.5)
0.44	(11.2)	0.04	(1.0)
0.42	(10.7)	0.06	(1.5)
0.40	(10.2)	0.08	(2.0)
0.38	(9.7)	0.10	(2.5)
0.36	(9.1)	0.12	(3.0)
0.34	(8.6)	0.14	(3.5)
0.32	(8.1)	0.16	(4.0)
0.30	(7.6)	0.18	(4.5)
0.28	(7.1)	0.20	(5.0)
0.26	(6.6)	0.22	(5.5)
0.24	(6.1)	0.24	(6.0)
0.22	(5.6)	0.26	(6.5)
0.20	(5.1)	0.28	(7.0)
0.18	(4.6)	0.30	(7.5)
0.16	(4.1)	0.32	(8.0)
0.14	(3.6)	0.34	(8.5)
0.12	(3.0)	0.36	(9.0)
0.10	(2.5)	0.38	(9.5)
0.08	(2.0)	0.40	(10.0)
0.06	(1.5)	0.42	(10.5)
0.04	(1.0)	0.44	(11.0)

NOTE: Ultrasonic measurement is to determine flange wear only. Use ultrasonic only on fabricated idlers.

330 — 8.50" (215.9 mm)

Carrier Rollers

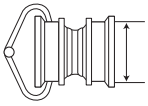
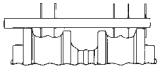
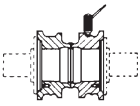




Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
6.30	(160.0)	0	1.62	(41.1)
6.26	(159.0)	4	1.60	(40.6)
6.22	(158.0)	8	1.58	(40.1)
6.18	(157.0)	12	1.56	(39.6)
6.14	(156.0)	16	1.54	(39.1)
6.10	(155.0)	20	1.52	(38.6)
6.06	(154.0)	24	1.50	(38.1)
6.02	(153.0)	28	1.48	(37.6)
5.98	(152.0)	32	1.46	(37.1)
5.94	(151.0)	36	1.44	(36.6)
5.90	(150.0)	40	1.42	(36.1)
5.86	(149.0)	44	1.40	(35.6)
5.82	(148.0)	48	1.38	(35.1)
5.78	(147.0)	52	1.36	(34.5)
5.74	(146.0)	56	1.34	(34.0)
5.70	(145.0)	60	1.32	(33.5)
5.66	(144.0)	64	1.30	(33.0)
5.62	(142.5)	68	1.28	(32.5)
5.58	(141.5)	72	1.26	(32.0)
5.54	(140.5)	76	1.24	(31.5)
5.50	(139.5)	80	1.22	(31.0)
5.46	(138.5)	84	1.20	(30.5)
5.42	(137.5)	88	1.18	(30.0)
5.38	(136.5)	92	1.16	(29.5)
5.34	(135.5)	94	1.14	(29.0)
5.30	(134.5)	96	1.12	(28.4)
5.26	(133.5)	98	1.10	(27.9)
5.22	(132.5)	100	1.08	(27.4)
5.18	(131.5)	102	1.06	(26.9)
5.14	(130.5)	104	1.04	(26.4)
5.10	(129.5)	106	1.02	(25.9)
5.06	(128.5)	108	1.00	(25.4)
5.02	(127.5)	110	0.98	(24.9)
4.98	(126.5)	112	0.96	(24.4)
4.94	(125.5)	114	0.94	(23.9)
4.90	(124.5)	116	0.92	(23.4)
4.86	(123.5)	118	0.90	(22.9)
4.82	(122.5)	120	0.88	(22.4)

Undercarriage Code: 609, 6091

Track Rollers

Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
7.08	(180.0)	0	0.73	(18.5)	1.92	(48.8)
7.06	(179.5)	3	0.74	(19.0)	1.91	(48.5)
7.04	(179.0)	6	0.75	(19.0)	1.90	(48.3)
7.02	(178.5)	9	0.76	(19.5)	1.89	(48.0)
7.00	(178.0)	12	0.77	(19.5)	1.88	(47.8)
6.98	(177.5)	15	0.78	(20.0)	1.87	(47.5)
6.96	(177.0)	18	0.79	(20.0)	1.86	(47.2)
6.94	(176.5)	21	0.80	(20.5)	1.85	(47.0)
6.92	(176.0)	24	0.81	(20.5)	1.84	(46.7)
6.90	(175.5)	27	0.82	(21.0)	1.83	(46.5)
6.88	(175.0)	30	0.83	(21.0)	1.82	(46.2)
6.86	(174.0)	33	0.84	(21.5)	1.81	(46.0)
6.84	(173.5)	36	0.85	(21.5)	1.80	(45.7)
6.82	(173.0)	39	0.86	(22.0)	1.79	(45.5)
6.80	(172.5)	42	0.87	(22.0)	1.78	(45.2)
6.78	(172.0)	45	0.88	(22.5)	1.77	(45.0)
6.76	(171.5)	48	0.89	(22.5)	1.76	(44.7)
6.74	(171.0)	51	0.90	(23.0)	1.75	(44.5)
6.72	(170.5)	54	0.91	(23.0)	1.74	(44.2)
6.70	(170.0)	57	0.92	(23.5)	1.73	(43.9)
6.68	(169.5)	60	0.93	(23.5)	1.72	(43.7)
6.66	(169.0)	63	0.94	(24.0)	1.71	(43.4)
6.64	(168.5)	66	0.95	(24.0)	1.70	(43.2)
6.62	(168.0)	69	0.96	(24.5)	1.69	(42.9)
6.60	(167.5)	72	0.97	(24.5)	1.68	(42.7)
6.58	(167.0)	75	0.98	(25.0)	1.67	(42.4)
6.56	(166.5)	78	0.99	(25.0)	1.66	(42.2)
6.54	(166.0)	81	1.00	(25.5)	1.65	(41.9)
6.52	(165.5)	84	1.01	(25.5)	1.64	(41.7)
6.50	(165.0)	87	1.02	(26.0)	1.63	(41.4)
6.48	(164.5)	90	1.03	(26.0)	1.62	(41.1)
6.46	(164.0)	93	1.04	(26.5)	1.61	(40.9)
6.44	(163.5)	96	1.05	(26.5)	1.60	(40.6)
6.42	(163.0)	98	1.06	(27.0)	1.59	(40.4)
6.40	(162.5)	100	1.07	(27.0)	1.58	(40.1)
6.38	(162.0)	102	1.08	(27.5)	1.57	(39.9)
6.36	(161.5)	104	1.09	(27.5)	1.56	(39.6)
6.34	(161.0)	106	1.10	(28.0)	1.55	(39.4)
6.32	(160.5)	108	1.11	(28.0)	1.54	(39.1)
6.30	(160.0)	110	1.12	(28.5)	1.53	(38.9)
6.28	(159.5)	112	1.13	(28.5)	1.52	(38.6)
6.26	(159.0)	114	1.14	(29.0)	1.51	(38.4)
6.24	(158.5)	116	1.15	(29.0)	1.50	(38.1)
6.22	(158.0)	118	1.16	(29.5)	1.49	(37.8)
6.20	(157.5)	120	1.17	(29.5)	1.48	(37.6)

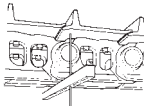
Flange diameter is 8.54" (217 mm)

Undercarriage Code: 609, 6091

330 FM, 345 — 8.50" (215.9 mm)

Track Links

150-4748 & 49
130-5333 & 34
209-6383 & 84



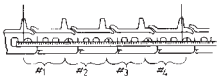


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
5.08	(129.0)	0	1.35	(34.3)
5.06	(128.5)	5	1.33	(33.8)
5.04	(128.0)	10	1.31	(33.3)
5.02	(127.5)	15	1.29	(32.8)
5.00	(127.0)	20	1.27	(32.3)
4.98	(126.5)	25	1.25	(31.8)
4.96	(126.0)	30	1.23	(31.2)
4.94	(125.5)	35	1.21	(30.7)
4.92	(125.0)	40	1.19	(30.2)
4.90	(124.5)	45	1.17	(29.7)
4.88	(124.0)	50	1.15	(29.2)
4.86	(123.5)	55	1.13	(28.7)
4.84	(123.0)	60	1.11	(28.2)
4.82	(122.5)	65	1.09	(27.7)
4.80	(122.0)	70	1.07	(27.2)
4.78	(121.5)	75	1.05	(26.7)
4.76	(121.0)	80	1.03	(26.2)
4.74	(120.5)	85	1.01	(25.7)
4.72	(120.0)	90	0.99	(25.1)
4.70	(119.5)	94	0.97	(24.6)
4.68	(119.0)	97	0.95	(24.1)
4.66	(118.5)	100	0.93	(23.6)
4.64	(118.0)	103	0.91	(23.1)
4.62	(117.5)	106	0.89	(22.6)
4.60	(117.0)	109	0.87	(22.1)
4.58	(116.5)	112	0.85	(21.6)
4.56	(116.0)	115	0.83	(21.1)
4.54	(115.5)	118	0.81	(20.6)
4.52	(115.0)	121	0.79	(20.1)

Undercarriage Code: 610, 6101, 620, 6201

Pins and Bushings

Internal Wear
Sealed Track
Grease Lubricated Track



Inches	(mm)	% Worn
34.05	(865.0)	0
34.10	(866.0)	10
34.15	(867.5)	20
34.20	(868.5)	30
34.25	(870.0)	40
34.30	(871.0)	50
34.35	(872.5)	60
34.40	(874.0)	70
34.45	(875.0)	80
34.50	(876.5)	90
34.55	(877.5)	100
34.60	(879.0)	105
34.65	(880.0)	110
34.70	(881.5)	115
34.75	(882.5)	120

Undercarriage Code: 610, 6101, 620, 6201

Bushings for Sealed Track

External Wear
Grease Lubricated Track





Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
2.89	(73.4)	0	0.48	(12.2)
2.88	(73.2)	9	0.47	(11.9)
2.87	(72.9)	18	0.46	(11.7)
2.86	(72.6)	27	0.45	(11.4)
2.85	(72.4)	36	0.44	(11.2)
2.84	(72.1)	45	0.43	(10.9)
2.83	(71.9)	54	0.42	(10.7)
2.82	(71.6)	63	0.41	(10.4)
2.81	(71.4)	72	0.40	(10.2)
2.80	(71.1)	76	0.39	(9.9)
2.79	(70.9)	80	0.38	(9.7)
2.78	(70.6)	84	0.37	(9.4)
2.77	(70.4)	88	0.36	(9.1)
2.76	(70.1)	92	0.35	(8.9)
2.75	(69.9)	96	0.34	(8.6)
2.74	(69.6)	100	0.33	(8.4)
2.73	(69.3)	104	0.32	(8.1)
2.72	(69.1)	108	0.31	(7.9)
2.71	(68.8)	112	0.30	(7.6)
2.70	(68.6)	116	0.29	(7.4)
2.69	(68.3)	120	0.28	(7.1)

Bushings for Sealed Track

Sealed Track



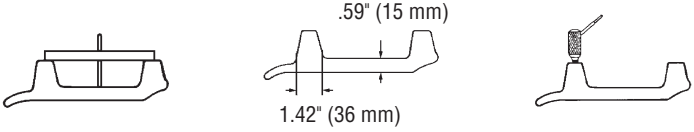


Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
2.83	(71.9)	0	0.46	(11.7)
2.82	(71.6)	9	0.45	(11.4)
2.81	(71.4)	18	0.44	(11.2)
2.80	(71.1)	27	0.43	(10.9)
2.79	(70.9)	36	0.42	(10.7)
2.78	(70.6)	45	0.41	(10.4)
2.77	(70.4)	54	0.40	(10.2)
2.76	(70.1)	63	0.39	(9.9)
2.75	(69.9)	72	0.38	(9.7)
2.74	(69.6)	81	0.37	(9.4)
2.73	(69.3)	88	0.36	(9.1)
2.72	(69.1)	92	0.35	(8.9)
2.71	(68.8)	96	0.34	(8.6)
2.70	(68.6)	100	0.33	(8.4)
2.69	(68.3)	104	0.32	(8.1)
2.68	(68.1)	108	0.31	(7.9)
2.67	(67.8)	112	0.30	(7.6)
2.66	(67.6)	116	0.29	(7.4)
2.65	(67.3)	120	0.28	(7.1)

330 FM, 345 — 8.50" (215.9 mm)

Track Shoes

Double Grouser

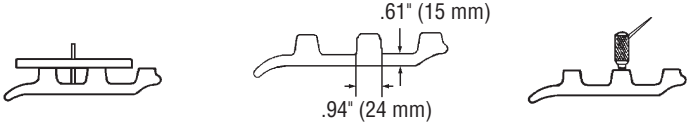


Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
1.95	(49.5)	0	2.54	(64.5)
1.85	(47.0)	10	2.44	(62.0)
1.75	(44.5)	20	2.34	(59.4)
1.65	(42.0)	30	2.24	(56.9)
1.55	(39.5)	40	2.14	(54.3)
1.45	(37.0)	50	2.04	(51.8)
1.35	(34.0)	60	1.94	(49.3)
1.25	(31.5)	70	1.84	(46.7)
1.15	(29.0)	80	1.74	(44.2)
1.05	(26.5)	85	1.64	(41.6)
0.95	(24.0)	90	1.54	(39.1)
0.85	(21.5)	95	1.44	(36.6)
0.75	(19.0)	100	1.34	(34.0)
0.65	(16.5)	105	1.24	(31.5)
0.55	(14.0)	110	1.14	(28.9)
0.45	(11.5)	115	1.04	(26.4)
0.35	(9.0)	120	0.94	(23.9)

Undercarriage Code: 610, 6101, 620, 6201

Track Shoes

Triple Grouser

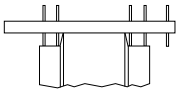


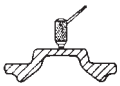
Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
1.35	(34.5)	0	1.95	(49.5)
1.30	(33.0)	6	1.90	(48.2)
1.25	(32.0)	12	1.85	(47.0)
1.20	(30.5)	18	1.80	(45.7)
1.15	(29.0)	24	1.75	(44.4)
1.10	(28.0)	30	1.70	(43.2)
1.05	(26.5)	36	1.65	(41.9)
1.00	(25.5)	42	1.60	(40.6)
0.95	(24.0)	48	1.55	(39.3)
0.90	(23.0)	54	1.50	(38.1)
0.85	(21.5)	60	1.45	(36.8)
0.80	(20.5)	66	1.40	(35.5)
0.75	(19.0)	72	1.35	(34.3)
0.70	(18.0)	78	1.30	(33.0)
0.65	(16.5)	84	1.25	(31.7)
0.60	(15.0)	90	1.20	(30.5)
0.55	(14.0)	95	1.15	(29.2)
0.50	(12.5)	100	1.10	(27.9)
0.45	(11.5)	105	1.05	(26.6)
0.40	(10.0)	110	1.00	(25.4)
0.35	(9.0)	115	0.95	(24.1)
0.30	(7.5)	120	0.90	(22.8)

Undercarriage Code: 610, 6101, 620, 6201

330 FM, 345 — 8.50" (215.9 mm)

Idlers





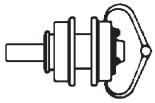
Depth Gauge Inches	(mm)	% Worn
0.78	(20.0)	0
0.80	(20.5)	7
0.82	(21.0)	14
0.84	(21.5)	21
0.86	(22.0)	28
0.88	(22.5)	35
0.90	(23.0)	40
0.92	(23.5)	45
0.94	(24.0)	50
0.96	(24.5)	55
0.98	(25.0)	60
1.00	(25.5)	65
1.02	(26.0)	70
1.04	(26.5)	75
1.06	(27.0)	80
1.08	(27.5)	85
1.10	(28.0)	90
1.12	(28.5)	95
1.14	(29.0)	100
1.16	(29.5)	105
1.18	(30.0)	110
1.20	(30.5)	115
1.22	(31.0)	120

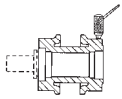
Flange width: 4.02" (102 mm)

Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.48	(12.2)	0.00	(0.0)
0.46	(11.7)	0.02	(0.5)
0.44	(11.2)	0.04	(1.0)
0.42	(10.7)	0.06	(1.5)
0.40	(10.2)	0.08	(2.0)
0.38	(9.7)	0.10	(2.5)
0.36	(9.1)	0.12	(3.0)
0.34	(8.6)	0.14	(3.5)
0.32	(8.1)	0.16	(4.0)
0.30	(7.6)	0.18	(4.5)
0.28	(7.1)	0.20	(5.0)
0.26	(6.6)	0.22	(5.5)
0.24	(6.1)	0.24	(6.0)
0.22	(5.6)	0.26	(6.5)
0.20	(5.1)	0.28	(7.0)
0.18	(4.6)	0.30	(7.5)
0.16	(4.1)	0.32	(8.0)
0.14	(3.6)	0.34	(8.5)
0.12	(3.0)	0.36	(9.0)
0.10	(2.5)	0.38	(9.5)
0.08	(2.0)	0.40	(10.0)
0.06	(1.5)	0.42	(10.5)
0.04	(1.0)	0.44	(11.0)

NOTE: Ultrasonic measurement is to determine flange wear only. Use ultrasonic only on fabricated idlers.

Carrier Rollers



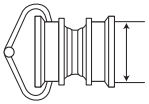


Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
7.08	(180.0)	0	1.21	(30.7)
7.04	(179.0)	8	1.19	(30.2)
7.00	(178.0)	16	1.17	(29.7)
6.96	(177.0)	24	1.15	(29.2)
6.92	(176.0)	32	1.13	(28.7)
6.88	(175.0)	40	1.11	(28.2)
6.84	(173.5)	45	1.09	(27.7)
6.80	(172.5)	50	1.07	(27.2)
6.76	(171.5)	55	1.05	(26.7)
6.72	(170.5)	60	1.03	(26.2)
6.68	(169.5)	65	1.01	(25.7)
6.64	(168.5)	70	0.99	(25.1)
6.60	(167.5)	75	0.97	(24.6)
6.56	(166.5)	80	0.95	(24.1)
6.52	(165.5)	85	0.93	(23.6)
6.48	(164.5)	90	0.91	(23.1)
6.44	(163.5)	95	0.89	(22.6)
6.40	(162.5)	100	0.87	(22.1)
6.36	(161.5)	105	0.85	(21.6)
6.32	(160.5)	110	0.83	(21.1)
6.28	(159.5)	115	0.81	(20.6)
6.24	(158.5)	120	0.79	(20.1)

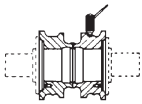
Undercarriage Code: 610, 6101, 620, 6201

330 FM, 345 — 8.50" (215.9 mm)

Track Rollers







Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
7.87	(200.0)	0	0.78	(20.0)	2.12	(53.8)
7.83	(199.0)	5	0.80	(20.5)	2.10	(53.3)
7.79	(198.0)	10	0.82	(21.0)	2.08	(52.8)
7.75	(197.0)	15	0.84	(21.5)	2.06	(52.3)
7.71	(196.0)	20	0.86	(22.0)	2.04	(51.8)
7.67	(195.0)	25	0.88	(22.5)	2.02	(51.3)
7.63	(194.0)	30	0.90	(23.0)	2.00	(50.8)
7.59	(193.0)	35	0.92	(23.5)	1.98	(50.3)
7.55	(192.0)	40	0.94	(24.0)	1.96	(49.8)
7.51	(191.0)	45	0.96	(24.5)	1.94	(49.3)
7.47	(189.5)	50	0.98	(25.0)	1.92	(48.8)
7.43	(188.5)	55	1.00	(25.5)	1.90	(48.3)
7.39	(187.5)	60	1.02	(26.0)	1.88	(47.8)
7.35	(186.5)	64	1.04	(26.5)	1.86	(47.2)
7.31	(185.5)	68	1.06	(27.0)	1.84	(46.7)
7.27	(184.5)	72	1.08	(27.5)	1.82	(46.2)
7.23	(183.5)	76	1.10	(28.0)	1.80	(45.7)
7.19	(182.5)	80	1.12	(28.5)	1.78	(45.2)
7.15	(181.5)	84	1.14	(29.0)	1.76	(44.7)
7.11	(180.5)	88	1.16	(29.5)	1.74	(44.2)
7.07	(179.5)	92	1.18	(30.0)	1.72	(43.7)
7.03	(178.5)	96	1.20	(30.5)	1.70	(43.2)
6.99	(177.5)	100	1.22	(31.0)	1.68	(42.7)
6.95	(176.5)	104	1.24	(31.5)	1.66	(42.2)
6.91	(175.5)	108	1.26	(32.0)	1.64	(41.7)
6.87	(174.5)	112	1.28	(32.5)	1.62	(41.1)
6.83	(173.5)	116	1.30	(33.0)	1.60	(40.6)
6.79	(172.5)	120	1.32	(33.5)	1.58	(40.1)

Flange diameter is 9.45" (240 mm)

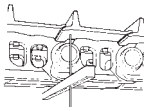
Undercarriage Code: 610, 6101, 620, 6021

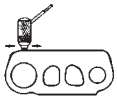
NOTES

350 — 9.00" (228.6 mm)

Track Links

8E6091 & 92



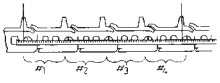


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
5.43	(138.0)	0	1.46	(37.1)
5.41	(137.5)	7	1.44	(36.6)
5.39	(137.0)	14	1.42	(36.1)
5.37	(136.5)	21	1.40	(35.6)
5.35	(136.0)	28	1.38	(35.1)
5.33	(135.5)	35	1.36	(34.5)
5.31	(135.0)	40	1.34	(34.0)
5.29	(134.5)	44	1.32	(33.5)
5.27	(134.0)	48	1.30	(33.0)
5.25	(133.5)	52	1.28	(32.5)
5.23	(133.0)	56	1.26	(32.0)
5.21	(132.5)	60	1.24	(31.5)
5.19	(132.0)	64	1.22	(31.0)
5.17	(131.5)	68	1.20	(30.5)
5.15	(131.0)	72	1.18	(30.0)
5.13	(130.5)	76	1.16	(29.5)
5.11	(130.0)	80	1.14	(29.0)
5.09	(129.5)	84	1.12	(28.4)
5.07	(129.0)	88	1.10	(27.9)
5.05	(128.5)	92	1.08	(27.4)
5.03	(128.0)	96	1.06	(26.9)
5.01	(127.5)	100	1.04	(26.4)
4.99	(126.5)	104	1.02	(25.9)
4.97	(126.0)	108	1.00	(25.4)
4.95	(125.5)	112	0.98	(24.9)
4.93	(125.0)	116	0.96	(24.4)
4.91	(124.5)	120	0.94	(23.9)

Undercarriage Code: 626

Pins and Bushings for Sealed Track

Internal Wear



Inches	(mm)	% Worn
36.05	(915.5)	0
36.10	(917.0)	10
36.15	(918.0)	20
36.20	(919.5)	30
36.25	(920.5)	40
36.30	(922.0)	50
36.35	(923.5)	60
36.40	(924.5)	70
36.45	(926.0)	80
36.50	(927.0)	90
36.55	(928.5)	100
36.60	(929.5)	105
36.65	(931.0)	110
36.70	(932.0)	115
36.75	(933.5)	120

350 — 9.00" (228.6 mm)

Bushings for Sealed Track

External Wear

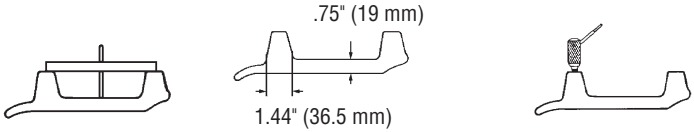




Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
3.04	(77.2)	0	0.49	(12.4)
3.03	(77.0)	9	0.48	(12.2)
3.02	(76.7)	18	0.47	(11.9)
3.01	(76.5)	27	0.46	(11.7)
3.00	(76.2)	36	0.45	(11.4)
2.99	(75.9)	45	0.44	(11.2)
2.98	(75.7)	54	0.43	(10.9)
2.97	(75.4)	63	0.42	(10.7)
2.96	(75.2)	72	0.41	(10.4)
2.95	(74.9)	80	0.40	(10.2)
2.94	(74.7)	84	0.39	(9.9)
2.93	(74.4)	88	0.38	(9.7)
2.92	(74.2)	92	0.37	(9.4)
2.91	(73.9)	96	0.36	(9.1)
2.90	(73.7)	100	0.35	(8.9)
2.89	(73.4)	104	0.34	(8.6)
2.88	(73.2)	108	0.33	(8.4)
2.87	(72.9)	112	0.32	(8.1)
2.86	(72.6)	116	0.31	(7.9)
2.85	(72.4)	120	0.30	(7.6)

Track Shoes

Double Grouser



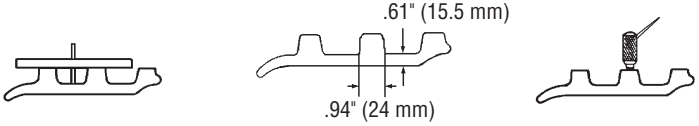
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.75	(44.5)	0	2.50	(63.5)
1.70	(43.0)	5	2.45	(62.2)
1.65	(42.0)	10	2.40	(61.0)
1.60	(40.5)	15	2.35	(59.7)
1.55	(39.5)	20	2.30	(58.4)
1.50	(38.0)	25	2.25	(57.2)
1.45	(37.0)	30	2.20	(55.9)
1.40	(35.5)	35	2.15	(54.6)
1.35	(34.5)	40	2.10	(53.3)
1.30	(33.0)	45	2.05	(52.1)
1.25	(32.0)	50	2.00	(50.8)
1.20	(30.5)	55	1.95	(49.5)
1.15	(29.0)	60	1.90	(48.3)
1.10	(28.0)	65	1.85	(47.0)
1.05	(26.5)	70	1.80	(45.7)
1.00	(25.5)	75	1.75	(44.5)
0.95	(24.0)	80	1.70	(43.2)
0.90	(23.0)	85	1.65	(41.9)
0.85	(21.5)	90	1.60	(40.6)
0.80	(20.5)	95	1.55	(39.4)
0.75	(19.0)	100	1.50	(38.1)
0.70	(18.0)	105	1.45	(36.8)
0.65	(16.5)	110	1.40	(35.6)
0.60	(15.0)	115	1.35	(34.3)
0.55	(14.0)	120	1.30	(33.0)

Undercarriage Code: 626

350 — 9.00" (228.6 mm)

Track Shoes

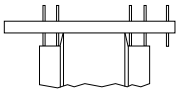
Triple Grouser

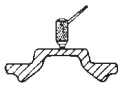


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.35	(34.5)	0	1.95	(49.5)
1.30	(33.0)	6	1.90	(48.2)
1.25	(32.0)	12	1.85	(47.0)
1.20	(30.5)	18	1.80	(45.7)
1.15	(29.0)	24	1.75	(44.4)
1.10	(28.0)	30	1.70	(43.2)
1.05	(26.5)	36	1.65	(41.9)
1.00	(25.5)	42	1.60	(40.6)
0.95	(24.0)	48	1.55	(39.3)
0.90	(23.0)	54	1.50	(38.1)
0.85	(21.5)	60	1.45	(36.8)
0.80	(20.5)	66	1.40	(35.5)
0.75	(19.0)	72	1.35	(34.3)
0.70	(18.0)	78	1.30	(33.0)
0.65	(16.5)	84	1.25	(31.7)
0.60	(15.0)	90	1.20	(30.5)
0.55	(14.0)	95	1.15	(29.2)
0.50	(12.5)	100	1.10	(27.9)
0.45	(11.5)	105	1.05	(26.6)
0.40	(10.0)	110	1.00	(25.4)
0.35	(9.0)	115	0.95	(24.1)
0.30	(7.5)	120	0.90	(22.8)

Undercarriage Code: 626

Idlers





Depth Gauge Inches	(mm)	% Worn
0.94	(24.0)	0
0.96	(24.5)	7
0.98	(25.0)	14
1.00	(25.5)	21
1.02	(26.0)	28
1.04	(26.5)	35
1.06	(27.0)	40
1.08	(27.5)	45
1.10	(28.0)	50
1.12	(28.5)	55
1.14	(29.0)	60
1.16	(29.5)	65
1.18	(30.0)	70
1.20	(30.5)	75
1.22	(31.0)	80
1.24	(31.5)	85
1.26	(32.0)	90
1.28	(32.5)	95
1.30	(33.0)	100
1.32	(33.5)	105
1.34	(34.0)	110
1.36	(34.5)	115
1.38	(35.0)	120

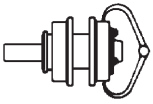
Flange width: 4.75" (120.7 mm)

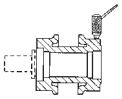
Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.48	(12.2)	0.00	(0.0)
0.46	(11.7)	0.02	(0.5)
0.44	(11.2)	0.04	(1.0)
0.42	(10.7)	0.06	(1.5)
0.40	(10.2)	0.08	(2.0)
0.38	(9.7)	0.10	(2.5)
0.36	(9.1)	0.12	(3.0)
0.34	(8.6)	0.14	(3.5)
0.32	(8.1)	0.16	(4.0)
0.30	(7.6)	0.18	(4.5)
0.28	(7.1)	0.20	(5.0)
0.26	(6.6)	0.22	(5.5)
0.24	(6.1)	0.24	(6.0)
0.22	(5.6)	0.26	(6.5)
0.20	(5.1)	0.28	(7.0)
0.18	(4.6)	0.30	(7.5)
0.16	(4.1)	0.32	(8.0)
0.14	(3.6)	0.34	(8.5)
0.12	(3.0)	0.36	(9.0)
0.10	(2.5)	0.38	(9.5)
0.08	(2.0)	0.40	(10.0)
0.06	(1.5)	0.42	(10.5)
0.04	(1.0)	0.44	(11.0)

NOTE: Ultrasonic measurement is to determine flange wear only. Use ultrasonic only on fabricated idlers.

350 — 9.00" (228.6 mm)

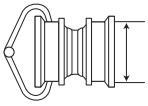
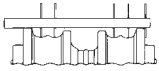
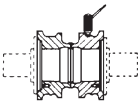
Carrier Rollers





Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
7.48	(190.0)	0	1.41	(35.8)
7.44	(189.0)	8	1.39	(35.3)
7.40	(188.0)	16	1.37	(34.8)
7.36	(187.0)	24	1.35	(34.3)
7.32	(186.0)	28	1.33	(33.8)
7.28	(185.0)	32	1.31	(33.3)
7.24	(184.0)	36	1.29	(32.8)
7.20	(183.0)	40	1.27	(32.3)
7.16	(182.0)	44	1.25	(31.8)
7.12	(181.0)	48	1.23	(31.2)
7.08	(180.0)	52	1.21	(30.7)
7.04	(179.0)	56	1.19	(30.2)
7.00	(178.0)	60	1.17	(29.7)
6.96	(177.0)	64	1.15	(29.2)
6.92	(176.0)	68	1.13	(28.7)
6.88	(175.0)	72	1.11	(28.2)
6.84	(173.5)	76	1.09	(27.7)
6.80	(172.5)	80	1.07	(27.2)
6.76	(171.5)	84	1.05	(26.7)
6.72	(170.5)	88	1.03	(26.2)
6.68	(169.5)	92	1.01	(25.7)
6.64	(168.5)	96	0.99	(25.1)
6.60	(167.5)	100	0.97	(24.6)
6.56	(166.5)	104	0.95	(24.1)
6.52	(165.5)	108	0.93	(23.6)
6.48	(164.5)	112	0.91	(23.1)
6.44	(163.5)	116	0.89	(22.6)
6.40	(162.5)	120	0.87	(22.1)

Track Rollers

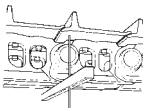




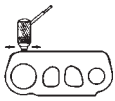
Caliper Inches	Caliper (mm)	% Worn	Depth Gauge Inches	Depth Gauge (mm)	Ultrasonic Inches	Ultrasonic (mm)
8.26	(210.0)	0	0.78	(20.0)	2.32	(58.9)
8.22	(209.0)	6	0.80	(20.5)	2.30	(58.4)
8.18	(208.0)	12	0.82	(21.0)	2.28	(57.9)
8.14	(207.0)	18	0.84	(21.5)	2.26	(57.4)
8.10	(205.5)	24	0.86	(22.0)	2.24	(56.9)
8.06	(204.5)	30	0.88	(22.5)	2.22	(56.4)
8.02	(203.5)	36	0.90	(23.0)	2.20	(55.9)
7.98	(202.5)	42	0.92	(23.5)	2.18	(55.4)
7.94	(201.5)	48	0.94	(24.0)	2.16	(54.9)
7.90	(200.5)	52	0.96	(24.5)	2.14	(54.4)
7.86	(199.5)	56	0.98	(25.0)	2.12	(53.8)
7.82	(198.5)	60	1.00	(25.5)	2.10	(53.3)
7.78	(197.5)	64	1.02	(26.0)	2.08	(52.8)
7.74	(196.5)	68	1.04	(26.5)	2.06	(52.3)
7.70	(195.5)	72	1.06	(27.0)	2.04	(51.8)
7.66	(194.5)	76	1.08	(27.5)	2.02	(51.3)
7.62	(193.5)	80	1.10	(28.0)	2.00	(50.8)
7.58	(192.5)	84	1.12	(28.5)	1.98	(50.3)
7.54	(191.5)	88	1.14	(29.0)	1.96	(49.8)
7.50	(190.5)	92	1.16	(29.5)	1.94	(49.3)
7.46	(189.5)	96	1.18	(30.0)	1.92	(48.8)
7.42	(188.5)	100	1.20	(30.5)	1.90	(48.3)
7.38	(187.5)	104	1.22	(31.0)	1.88	(47.8)
7.34	(186.5)	108	1.24	(31.5)	1.86	(47.2)
7.30	(185.5)	112	1.26	(32.0)	1.84	(46.7)
7.26	(184.5)	116	1.28	(32.5)	1.82	(46.2)
7.22	(183.5)	120	1.30	(33.0)	1.80	(45.7)

Flange diameter is 9.84" (250 mm)

Track Links

142-1803 & 04
For use with 365 only



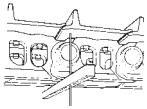


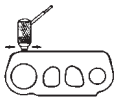
Depth Gauge			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
5.88	(149.5)	0	1.33	(33.8)
5.86	(149.0)	6	1.31	(33.3)
5.84	(148.5)	12	1.29	(32.8)
5.82	(148.0)	18	1.27	(32.3)
5.80	(147.5)	24	1.25	(31.8)
5.78	(147.0)	30	1.23	(31.2)
5.76	(146.5)	36	1.21	(30.7)
5.74	(146.0)	42	1.19	(30.2)
5.72	(145.5)	48	1.17	(29.7)
5.70	(145.0)	54	1.15	(29.2)
5.68	(144.5)	60	1.13	(28.7)
5.66	(144.0)	66	1.11	(28.2)
5.64	(143.5)	72	1.09	(27.7)
5.62	(142.5)	76	1.07	(27.2)
5.60	(142.0)	80	1.05	(26.7)
5.58	(141.5)	84	1.03	(26.2)
5.56	(141.0)	88	1.01	(25.7)
5.54	(140.5)	92	0.99	(25.1)
5.52	(140.0)	96	0.97	(24.6)
5.50	(139.5)	100	0.95	(24.1)
5.48	(139.0)	104	0.93	(23.6)
5.46	(138.5)	108	0.91	(23.1)
5.44	(138.0)	112	0.89	(22.6)
5.42	(137.5)	116	0.87	(22.1)
5.40	(137.0)	120	0.85	(21.6)

Undercarriage Code: 186

Track Links

6Y6721 & 22
Not for use on 365



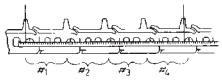


Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
6.12	(155.5)	0	1.55	(39.4)
6.10	(155.0)	6	1.53	(38.9)
6.08	(154.5)	12	1.51	(38.4)
6.06	(154.0)	18	1.49	(37.8)
6.04	(153.5)	24	1.47	(37.3)
6.02	(153.0)	30	1.45	(36.8)
6.00	(152.5)	36	1.43	(36.3)
5.98	(152.0)	42	1.41	(35.8)
5.96	(151.5)	48	1.39	(35.3)
5.94	(151.0)	52	1.37	(34.8)
5.92	(150.5)	55	1.35	(34.3)
5.90	(150.0)	58	1.33	(33.8)
5.88	(149.5)	61	1.31	(33.3)
5.86	(149.0)	64	1.29	(32.8)
5.84	(148.5)	67	1.27	(32.3)
5.82	(148.0)	70	1.25	(31.8)
5.80	(147.5)	73	1.23	(31.2)
5.78	(147.0)	76	1.21	(30.7)
5.76	(146.5)	79	1.19	(30.2)
5.74	(146.0)	82	1.17	(29.7)
5.72	(145.5)	85	1.15	(29.2)
5.70	(145.0)	88	1.13	(28.7)
5.68	(144.5)	91	1.11	(28.2)
5.66	(144.0)	94	1.09	(27.7)
5.64	(143.5)	97	1.07	(27.2)
5.62	(142.5)	100	1.05	(26.7)
5.60	(142.0)	103	1.03	(26.2)
5.58	(141.5)	106	1.01	(25.7)
5.56	(141.0)	109	0.99	(25.1)
5.54	(140.5)	112	0.97	(24.6)
5.52	(140.0)	115	0.95	(24.1)
5.50	(139.5)	118	0.93	(23.6)
5.48	(139.0)	121	0.91	(23.1)

Undercarriage Code: 641, 650, 660, 662

Pins and Bushings for Sealed Track

Internal Wear



Inches	(mm)	% Worn
41.05	(1042.5)	0
41.10	(1044.0)	10
41.15	(1045.0)	20
41.20	(1046.5)	30
41.25	(1048.0)	40
41.30	(1049.0)	50
41.35	(1050.5)	60
41.40	(1051.5)	70
41.45	(1053.0)	80
41.50	(1054.0)	90
41.55	(1055.5)	100
41.60	(1056.5)	105
41.65	(1058.0)	110
41.70	(1059.0)	115
41.75	(1060.5)	120

Undercarriage Code: 635, 641, 650, 660, 662

Bushings for Sealed Track

External Wear





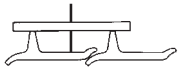
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
3.39	(86.1)	0	0.55	(14.0)
3.38	(85.9)	9	0.54	(13.7)
3.37	(85.6)	18	0.53	(13.5)
3.36	(85.3)	27	0.52	(13.2)
3.35	(85.1)	36	0.51	(13.0)
3.34	(84.8)	45	0.50	(12.7)
3.33	(84.6)	54	0.49	(12.4)
3.32	(84.3)	63	0.48	(12.2)
3.31	(84.1)	72	0.47	(11.9)
3.30	(83.8)	81	0.46	(11.7)
3.29	(83.6)	88	0.45	(11.4)
3.28	(83.3)	92	0.44	(11.2)
3.27	(83.1)	96	0.43	(10.9)
3.26	(82.8)	100	0.42	(10.7)
3.25	(82.6)	104	0.41	(10.4)
3.24	(82.3)	108	0.40	(10.2)
3.23	(82.0)	112	0.39	(9.9)
3.22	(81.8)	116	0.38	(9.7)
3.21	(81.5)	120	0.37	(9.4)

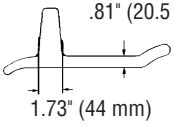
Undercarriage Code: 635, 641, 650, 660, 662

365, 375, 385, 5080, 5090 — 10.25" (260.4 mm)

Track Shoes

Extreme Service





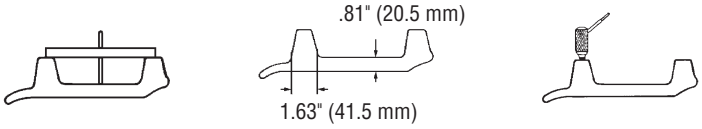


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
3.70	(94.0)	0	4.50	(114.3)
3.60	(91.5)	5	4.40	(111.8)
3.50	(89.0)	10	4.30	(109.2)
3.40	(86.5)	15	4.20	(106.7)
3.30	(84.0)	20	4.10	(104.1)
3.20	(81.5)	25	4.00	(101.6)
3.10	(78.5)	30	3.90	(99.1)
3.00	(76.0)	35	3.80	(96.5)
2.90	(73.5)	40	3.70	(94.0)
2.80	(71.0)	45	3.60	(91.4)
2.70	(68.5)	50	3.50	(88.9)
2.60	(66.0)	55	3.40	(86.4)
2.50	(63.5)	60	3.30	(83.8)
2.40	(61.0)	64	3.20	(81.3)
2.30	(58.5)	68	3.10	(78.7)
2.20	(56.0)	72	3.00	(76.2)
2.10	(53.5)	76	2.90	(73.7)
2.00	(51.0)	80	2.80	(71.1)
1.90	(48.5)	84	2.70	(68.6)
1.80	(45.5)	88	2.60	(66.0)
1.70	(43.0)	92	2.50	(63.5)
1.60	(40.5)	96	2.40	(61.0)
1.50	(38.0)	100	2.30	(58.4)
1.40	(35.5)	104	2.20	(55.9)
1.30	(33.0)	108	2.10	(53.3)
1.20	(30.5)	112	2.00	(50.8)
1.10	(28.0)	116	1.90	(48.3)
1.00	(25.5)	120	1.80	(45.7)

Undercarriage Code: 635, 641, 650, 660, 662

Track Shoes

Double Grouser

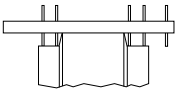


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.90	(48.5)	0	2.70	(68.6)
1.85	(47.0)	5	2.65	(67.3)
1.80	(45.5)	10	2.60	(66.0)
1.75	(44.5)	15	2.55	(64.8)
1.70	(43.0)	20	2.50	(63.5)
1.65	(42.0)	25	2.45	(62.2)
1.60	(40.5)	30	2.40	(61.0)
1.55	(39.5)	35	2.35	(59.7)
1.50	(38.0)	40	2.30	(58.4)
1.45	(37.0)	45	2.25	(57.2)
1.40	(35.5)	50	2.20	(55.9)
1.35	(34.5)	55	2.15	(54.6)
1.30	(33.0)	60	2.10	(53.3)
1.25	(32.0)	65	2.05	(52.1)
1.20	(30.5)	70	2.00	(50.8)
1.15	(29.0)	75	1.95	(49.5)
1.10	(28.0)	80	1.90	(48.3)
1.05	(26.5)	84	1.85	(47.0)
1.00	(25.5)	88	1.80	(45.7)
0.95	(24.0)	92	1.75	(44.5)
0.90	(23.0)	96	1.70	(43.2)
0.85	(21.5)	100	1.65	(41.9)
0.80	(20.5)	104	1.60	(40.6)
0.75	(19.0)	108	1.55	(39.4)
0.70	(18.0)	112	1.50	(38.1)
0.65	(16.5)	116	1.45	(36.8)
0.60	(15.0)	120	1.40	(35.6)

Undercarriage Code: 635, 641, 650, 660, 662

365, 375, 385, 5080, 5090 — 10.25" (260.4 mm)

Idlers





Depth Gauge Inches	(mm)	% Worn
0.88	(22.5)	0
0.90	(23.0)	7
0.92	(23.5)	14
0.94	(24.0)	21
0.96	(24.5)	28
0.98	(25.0)	35
1.00	(25.5)	42
1.02	(26.0)	49
1.04	(26.5)	52
1.06	(27.0)	55
1.08	(27.5)	58
1.10	(28.0)	61
1.12	(28.5)	64
1.14	(29.0)	67
1.16	(29.5)	70
1.18	(30.0)	73
1.20	(30.5)	76
1.22	(31.0)	79
1.24	(31.5)	82
1.26	(32.0)	85
1.28	(32.5)	88
1.30	(33.0)	91
1.32	(33.5)	94
1.34	(34.0)	97
1.36	(34.5)	100
1.38	(35.0)	103
1.40	(35.5)	106
1.42	(36.0)	109
1.44	(36.5)	112
1.46	(37.0)	115
1.48	(37.5)	118
1.50	(38.0)	121

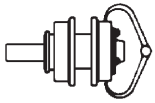
Flange width: 5.09" (129.3 mm)

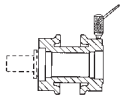
Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.48	(12.2)	0.00	(0.0)
0.46	(11.7)	0.02	(0.5)
0.44	(11.2)	0.04	(1.0)
0.42	(10.7)	0.06	(1.5)
0.40	(10.2)	0.08	(2.0)
0.38	(9.7)	0.10	(2.5)
0.36	(9.1)	0.12	(3.0)
0.34	(8.6)	0.14	(3.5)
0.32	(8.1)	0.16	(4.0)
0.30	(7.6)	0.18	(4.5)
0.28	(7.1)	0.20	(5.0)
0.26	(6.6)	0.22	(5.5)
0.24	(6.1)	0.24	(6.0)
0.22	(5.6)	0.26	(6.5)
0.20	(5.1)	0.28	(7.0)
0.18	(4.6)	0.30	(7.5)
0.16	(4.1)	0.32	(8.0)
0.14	(3.6)	0.34	(8.5)
0.12	(3.0)	0.36	(9.0)
0.10	(2.5)	0.38	(9.5)
0.08	(2.0)	0.40	(10.0)
0.06	(1.5)	0.42	(10.5)
0.04	(1.0)	0.44	(11.0)
0.02	(0.5)	0.46	(11.5)

NOTE: Ultrasonic measurement is to determine flange wear only. Use ultrasonic only on fabricated idlers.

Undercarriage Code: 635, 641, 650, 660, 662

Carrier Rollers





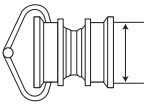
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
7.48	(190.0)	0	1.41	(35.8)
7.44	(189.0)	5	1.39	(35.3)
7.40	(188.0)	10	1.37	(34.8)
7.36	(187.0)	15	1.35	(34.3)
7.32	(186.0)	20	1.33	(33.8)
7.28	(185.0)	25	1.31	(33.3)
7.24	(184.0)	30	1.29	(32.8)
7.20	(183.0)	35	1.27	(32.3)
7.16	(182.0)	40	1.25	(31.8)
7.12	(181.0)	45	1.23	(31.2)
7.08	(180.0)	50	1.21	(30.7)
7.04	(179.0)	55	1.19	(30.2)
7.00	(178.0)	60	1.17	(29.7)
6.96	(177.0)	65	1.15	(29.2)
6.92	(176.0)	70	1.13	(28.7)
6.88	(175.0)	75	1.11	(28.2)
6.84	(173.5)	80	1.09	(27.7)
6.80	(172.5)	85	1.07	(27.2)
6.76	(171.5)	88	1.05	(26.7)
6.72	(170.5)	91	1.03	(26.2)
6.68	(169.5)	94	1.01	(25.7)
6.64	(168.5)	97	0.99	(25.1)
6.60	(167.5)	100	0.97	(24.6)
6.56	(166.5)	103	0.95	(24.1)
6.52	(165.5)	106	0.93	(23.6)
6.48	(164.5)	109	0.91	(23.1)
6.44	(163.5)	112	0.89	(22.6)
6.40	(162.5)	115	0.87	(22.1)
6.36	(161.5)	118	0.85	(21.6)
6.32	(160.5)	121	0.83	(21.1)

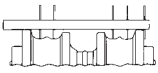
Undercarriage Code: 635, 641, 650, 660, 662

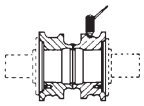
365 — 10.25" (260.4 mm)

Track Rollers

Only use for 365







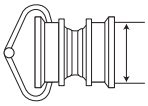
Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
9.07	(230.5)	0	0.85	(21.5)	2.32	(58.9)
9.03	(229.5)	6	0.87	(22.0)	2.30	(58.4)
8.99	(228.5)	12	0.89	(22.5)	2.28	(57.9)
8.95	(227.5)	18	0.91	(23.0)	2.26	(57.4)
8.91	(226.5)	24	0.93	(23.5)	2.24	(56.9)
8.87	(225.5)	30	0.95	(24.0)	2.22	(56.4)
8.83	(224.5)	36	0.97	(24.5)	2.20	(55.9)
8.79	(223.5)	42	0.99	(25.0)	2.18	(55.4)
8.75	(222.5)	48	1.01	(25.5)	2.16	(54.9)
8.71	(221.0)	54	1.03	(26.0)	2.14	(54.4)
8.67	(220.0)	60	1.05	(26.5)	2.12	(53.8)
8.63	(219.0)	66	1.07	(27.0)	2.10	(53.3)
8.59	(218.0)	72	1.09	(27.5)	2.08	(52.8)
8.55	(217.0)	76	1.11	(28.0)	2.06	(52.3)
8.51	(216.0)	80	1.13	(28.5)	2.04	(51.8)
8.47	(215.0)	84	1.15	(29.0)	2.02	(51.3)
8.43	(214.0)	88	1.17	(29.5)	2.00	(50.8)
8.39	(213.0)	92	1.19	(30.0)	1.98	(50.3)
8.35	(212.0)	96	1.21	(30.5)	1.96	(49.8)
8.31	(211.0)	100	1.23	(31.0)	1.94	(49.3)
8.27	(210.0)	104	1.25	(32.0)	1.92	(48.8)
8.23	(209.0)	108	1.27	(32.5)	1.90	(48.3)
8.19	(208.0)	112	1.29	(33.0)	1.88	(47.8)
8.15	(207.0)	116	1.31	(33.5)	1.86	(47.2)
8.11	(206.0)	120	1.33	(34.0)	1.84	(46.7)

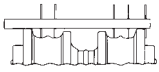
Flange diameter is 10.79" (274 mm)

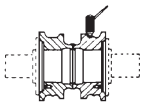
Undercarriage Code: 635

Track Rollers

Not for use on 365







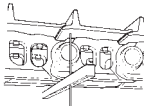
Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
10.23	(260.0)	0	0.86	(22.0)	2.91	(73.9)
10.19	(259.0)	5	0.88	(22.5)	2.89	(73.4)
10.15	(258.0)	10	0.90	(23.0)	2.87	(72.9)
10.11	(257.0)	15	0.92	(23.5)	2.85	(72.4)
10.07	(256.0)	20	0.94	(24.0)	2.83	(71.9)
10.03	(255.0)	25	0.96	(24.5)	2.81	(71.4)
9.99	(253.5)	30	0.98	(25.0)	2.79	(70.9)
9.95	(252.5)	35	1.00	(25.5)	2.77	(70.4)
9.91	(251.5)	40	1.02	(26.0)	2.75	(69.9)
9.87	(250.5)	45	1.04	(26.5)	2.73	(69.3)
9.83	(249.5)	50	1.06	(27.0)	2.71	(68.8)
9.79	(248.5)	55	1.08	(27.5)	2.69	(68.3)
9.75	(247.5)	60	1.10	(28.0)	2.67	(67.8)
9.71	(246.5)	64	1.12	(28.5)	2.65	(67.3)
9.67	(245.5)	67	1.14	(29.0)	2.63	(66.8)
9.63	(244.5)	70	1.16	(29.5)	2.61	(66.3)
9.59	(243.5)	73	1.18	(30.0)	2.59	(65.8)
9.55	(242.5)	76	1.20	(30.5)	2.57	(65.3)
9.51	(241.5)	79	1.22	(31.0)	2.55	(64.8)
9.47	(240.5)	82	1.24	(31.5)	2.53	(64.3)
9.43	(239.5)	85	1.26	(32.0)	2.51	(63.8)
9.39	(238.5)	88	1.28	(32.5)	2.49	(63.2)
9.35	(237.5)	91	1.30	(33.0)	2.47	(62.7)
9.31	(236.5)	94	1.32	(33.5)	2.45	(62.2)
9.27	(235.5)	97	1.34	(34.0)	2.43	(61.7)
9.23	(234.5)	100	1.36	(34.5)	2.41	(61.2)
9.19	(233.5)	103	1.38	(35.0)	2.39	(60.7)
9.15	(232.5)	106	1.40	(35.5)	2.37	(60.2)
9.11	(231.5)	109	1.42	(36.0)	2.35	(59.7)
9.07	(230.5)	112	1.44	(36.5)	2.33	(59.2)
9.03	(229.5)	115	1.46	(37.0)	2.31	(58.7)
8.99	(228.5)	118	1.48	(37.5)	2.29	(58.2)
8.95	(227.5)	121	1.50	(38.0)	2.27	(57.7)

Flange diameter is 11.97" (304 mm)

Undercarriage Code: 641, 650, 660, 662

Track Links

9W5933 & 34



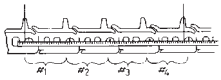


Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
7.12	(181.0)	0	1.92	(48.8)
7.10	(180.5)	5	1.90	(48.3)
7.08	(180.0)	10	1.88	(47.8)
7.06	(179.5)	15	1.86	(47.2)
7.04	(179.0)	20	1.84	(46.7)
7.02	(178.5)	25	1.82	(46.2)
7.00	(178.0)	30	1.80	(45.7)
6.98	(177.5)	35	1.78	(45.2)
6.96	(177.0)	40	1.76	(44.7)
6.94	(176.5)	45	1.74	(44.2)
6.92	(176.0)	50	1.72	(43.7)
6.90	(175.5)	55	1.70	(43.2)
6.88	(175.0)	60	1.68	(42.7)
6.86	(174.0)	65	1.66	(42.2)
6.84	(173.5)	70	1.64	(41.7)
6.82	(173.0)	73	1.62	(41.1)
6.80	(172.5)	76	1.60	(40.6)
6.78	(172.0)	79	1.58	(40.1)
6.76	(171.5)	82	1.56	(39.6)
6.74	(171.0)	85	1.54	(39.1)
6.72	(170.5)	88	1.52	(38.6)
6.70	(170.0)	91	1.50	(38.1)
6.68	(169.5)	94	1.48	(37.6)
6.66	(169.0)	97	1.46	(37.1)
6.64	(168.5)	100	1.44	(36.6)
6.62	(168.0)	103	1.42	(36.1)
6.60	(167.5)	106	1.40	(35.6)
6.58	(167.0)	109	1.38	(35.1)
6.56	(166.5)	112	1.36	(34.5)
6.54	(166.0)	115	1.34	(34.0)
6.52	(165.5)	118	1.32	(33.5)
6.50	(165.0)	121	1.30	(33.0)

Undercarriage Code: 665

Pins and Bushings for Sealed Track

Internal Wear



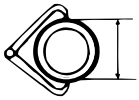
Inches	(mm)	% Worn
41.05	(1042.5)	0
41.10	(1044.0)	10
41.15	(1045.0)	20
41.20	(1046.5)	30
41.25	(1048.0)	40
41.30	(1049.0)	50
41.35	(1050.5)	60
41.40	(1051.5)	70
41.45	(1053.0)	80
41.50	(1054.0)	90
41.55	(1055.5)	100
41.60	(1056.5)	105
41.65	(1058.0)	110
41.70	(1059.0)	115
41.75	(1060.5)	120

Undercarriage Code: 665

5110 — 10.25" (260.4 mm)

Bushings for Sealed Track

External Wear



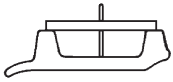


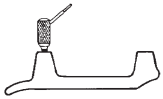
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
3.81	(96.8)	0	0.76	(19.3)
3.80	(96.5)	5	0.75	(19.1)
3.79	(96.3)	10	0.74	(18.8)
3.78	(96.0)	15	0.73	(18.5)
3.77	(95.8)	20	0.72	(18.3)
3.76	(95.5)	25	0.71	(18.0)
3.75	(95.3)	30	0.70	(17.8)
3.74	(95.0)	35	0.69	(17.5)
3.73	(94.7)	40	0.68	(17.3)
3.72	(94.5)	45	0.67	(17.0)
3.71	(94.2)	50	0.66	(16.8)
3.70	(94.0)	55	0.65	(16.5)
3.69	(93.7)	60	0.64	(16.3)
3.68	(93.5)	65	0.63	(16.0)
3.67	(93.2)	68	0.62	(15.7)
3.66	(93.0)	70	0.61	(15.5)
3.65	(92.7)	72	0.60	(15.2)
3.64	(92.5)	74	0.59	(15.0)
3.63	(92.2)	76	0.58	(14.7)
3.62	(91.9)	78	0.57	(14.5)
3.61	(91.7)	80	0.56	(14.2)
3.60	(91.4)	82	0.55	(14.0)
3.59	(91.2)	84	0.54	(13.7)
3.58	(90.9)	86	0.53	(13.5)
3.57	(90.7)	88	0.52	(13.2)
3.56	(90.4)	90	0.51	(13.0)
3.55	(90.2)	92	0.50	(12.7)
3.54	(89.9)	94	0.49	(12.4)
3.53	(89.7)	96	0.48	(12.2)
3.52	(89.4)	98	0.47	(11.9)
3.51	(89.2)	100	0.46	(11.7)
3.50	(88.9)	102	0.45	(11.4)
3.49	(88.6)	104	0.44	(11.2)
3.48	(88.4)	106	0.43	(10.9)
3.47	(88.1)	108	0.42	(10.7)
3.46	(87.9)	110	0.41	(10.4)
3.45	(87.6)	112	0.40	(10.2)
3.44	(87.4)	114	0.39	(9.9)
3.43	(87.1)	116	0.38	(9.7)
3.42	(86.9)	118	0.37	(9.4)
3.41	(86.6)	120	0.36	(9.1)

Undercarriage Code: 665

Track Shoes

Double Grouser

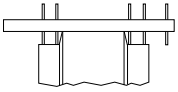




Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.96	(49.5)	0	2.95	(75.0)
1.91	(48.5)	5	2.90	(73.7)
1.86	(47.0)	10	2.85	(72.5)
1.81	(46.0)	15	2.80	(71.2)
1.76	(44.5)	20	2.75	(69.9)
1.71	(43.5)	25	2.70	(68.7)
1.66	(42.0)	30	2.65	(67.4)
1.61	(41.0)	35	2.60	(66.1)
1.56	(39.5)	40	2.55	(64.8)
1.51	(38.0)	45	2.50	(63.6)
1.46	(37.0)	50	2.45	(62.3)
1.41	(35.5)	55	2.40	(61.0)
1.36	(34.5)	60	2.35	(59.8)
1.31	(33.0)	65	2.30	(58.5)
1.26	(32.0)	70	2.25	(57.2)
1.21	(30.5)	75	2.20	(56.0)
1.16	(29.5)	80	2.15	(54.7)
1.11	(28.0)	84	2.10	(53.4)
1.06	(27.0)	88	2.05	(52.1)
1.01	(25.5)	92	2.00	(50.9)
0.96	(24.5)	96	1.95	(49.6)
0.91	(23.0)	100	1.90	(48.3)
0.86	(21.5)	104	1.85	(47.1)
0.81	(20.5)	108	1.80	(45.8)
0.76	(19.0)	112	1.75	(44.5)
0.71	(18.0)	116	1.70	(43.3)
0.66	(16.5)	120	1.65	(42.0)

Undercarriage Code: 665

Idlers

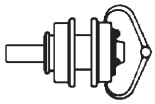


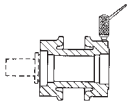
Depth Gauge Inches	(mm)	% Worn
1.18	(30.0)	0
1.20	(30.5)	6
1.22	(31.0)	12
1.24	(31.5)	18
1.26	(32.0)	24
1.28	(32.5)	30
1.30	(33.0)	36
1.32	(33.5)	42
1.34	(34.0)	48
1.36	(34.5)	54
1.38	(35.0)	60
1.40	(35.5)	66
1.42	(36.0)	72
1.44	(36.5)	74
1.46	(37.0)	76
1.48	(37.5)	78
1.50	(38.0)	80
1.52	(38.5)	82
1.54	(39.0)	84
1.56	(39.5)	86
1.58	(40.0)	88
1.60	(40.5)	90
1.62	(41.0)	92
1.64	(41.5)	94
1.66	(42.0)	96
1.68	(42.5)	98
1.70	(43.0)	100
1.72	(43.5)	102
1.74	(44.0)	104
1.76	(44.5)	106
1.78	(45.0)	108
1.80	(45.5)	110
1.82	(46.0)	112
1.84	(46.5)	114
1.86	(47.0)	116
1.88	(48.0)	118
1.90	(48.5)	120

Flange width: 4.96" (126 mm)

Undercarriage Code: 665

Carrier Rollers



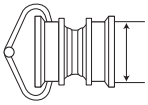
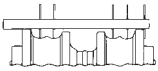
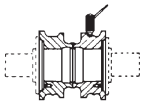


Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
9.05	(230.0)	0	2.54	(64.5)
9.01	(229.0)	4	2.52	(64.0)
8.97	(228.0)	8	2.50	(63.5)
8.93	(227.0)	12	2.48	(63.0)
8.89	(226.0)	16	2.46	(62.5)
8.85	(225.0)	20	2.44	(62.0)
8.81	(224.0)	24	2.42	(61.5)
8.77	(223.0)	28	2.40	(61.0)
8.73	(221.5)	32	2.38	(60.5)
8.69	(220.5)	36	2.36	(59.9)
8.65	(219.5)	40	2.34	(59.4)
8.61	(218.5)	44	2.32	(58.9)
8.57	(217.5)	46	2.30	(58.4)
8.53	(216.5)	48	2.28	(57.9)
8.49	(215.5)	50	2.26	(57.4)
8.45	(214.5)	52	2.24	(56.9)
8.41	(213.5)	54	2.22	(56.4)
8.37	(212.5)	56	2.20	(55.9)
8.33	(211.5)	58	2.18	(55.4)
8.29	(210.5)	60	2.16	(54.9)
8.25	(209.5)	62	2.14	(54.4)
8.21	(208.5)	64	2.12	(53.8)
8.17	(207.5)	66	2.10	(53.3)
8.13	(206.5)	68	2.08	(52.8)
8.09	(205.5)	70	2.06	(52.3)
8.05	(204.5)	72	2.04	(51.8)
8.01	(203.5)	74	2.02	(51.3)
7.97	(202.5)	76	2.00	(50.8)
7.93	(201.5)	78	1.98	(50.3)
7.89	(200.5)	80	1.96	(49.8)
7.85	(199.5)	82	1.94	(49.3)
7.81	(198.5)	84	1.92	(48.8)
7.77	(197.5)	86	1.90	(48.3)
7.73	(196.5)	88	1.88	(47.8)
7.69	(195.5)	90	1.86	(47.2)
7.65	(194.5)	92	1.84	(46.7)
7.61	(193.5)	94	1.82	(46.2)
7.57	(192.5)	96	1.80	(45.7)
7.53	(191.5)	98	1.78	(45.2)
7.49	(190.0)	100	1.76	(44.7)
7.45	(189.0)	102	1.74	(44.2)
7.41	(188.0)	104	1.72	(43.7)
7.37	(187.0)	106	1.70	(43.2)
7.33	(186.0)	108	1.68	(42.7)
7.29	(185.0)	110	1.66	(42.2)
7.25	(184.0)	112	1.64	(41.7)
7.21	(183.0)	114	1.62	(41.1)
7.17	(182.0)	116	1.60	(40.6)
7.13	(181.0)	118	1.58	(40.1)
7.09	(180.0)	120	1.56	(39.6)

Undercarriage Code: 665

5110 — 10.25" (260.4 mm)

Track Rollers

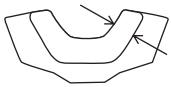




Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
11.22	(285.0)	0	1.18	(30.0)	3.06	(77.7)
11.18	(284.0)	6	1.20	(30.5)	3.04	(77.2)
11.14	(283.0)	12	1.22	(31.0)	3.02	(76.7)
11.10	(282.0)	18	1.24	(31.5)	3.00	(76.2)
11.06	(281.0)	24	1.26	(32.0)	2.98	(75.7)
11.02	(280.0)	30	1.28	(32.5)	2.96	(75.2)
10.98	(279.0)	36	1.30	(33.0)	2.94	(74.7)
10.94	(278.0)	42	1.32	(33.5)	2.92	(74.2)
10.90	(277.0)	46	1.34	(34.0)	2.90	(73.7)
10.86	(276.0)	49	1.36	(34.5)	2.88	(73.2)
10.82	(275.0)	52	1.38	(35.0)	2.86	(72.6)
10.78	(274.0)	55	1.40	(35.5)	2.84	(72.1)
10.74	(273.0)	58	1.42	(36.0)	2.82	(71.6)
10.70	(272.0)	61	1.44	(36.5)	2.80	(71.1)
10.66	(271.0)	64	1.46	(37.0)	2.78	(70.6)
10.62	(269.5)	67	1.48	(37.5)	2.76	(70.1)
10.58	(268.5)	70	1.50	(38.0)	2.74	(69.6)
10.54	(267.5)	73	1.52	(38.5)	2.72	(69.1)
10.50	(266.5)	76	1.54	(39.0)	2.70	(68.6)
10.46	(265.5)	79	1.56	(39.5)	2.68	(68.1)
10.42	(264.5)	82	1.58	(40.0)	2.66	(67.6)
10.38	(263.5)	85	1.60	(40.5)	2.64	(67.1)
10.34	(262.5)	88	1.62	(41.0)	2.62	(66.5)
10.30	(261.5)	91	1.64	(41.5)	2.60	(66.0)
10.26	(260.5)	94	1.66	(42.0)	2.58	(65.5)
10.22	(259.5)	97	1.68	(42.5)	2.56	(65.0)
10.18	(258.5)	100	1.70	(43.0)	2.54	(64.5)
10.14	(257.5)	103	1.72	(43.5)	2.52	(64.0)
10.10	(256.5)	106	1.74	(44.0)	2.50	(63.5)
10.06	(255.5)	109	1.76	(44.5)	2.48	(63.0)
10.02	(254.5)	112	1.78	(45.0)	2.46	(62.5)
9.98	(253.5)	115	1.80	(45.5)	2.44	(62.0)
9.94	(252.5)	118	1.82	(46.0)	2.42	(61.5)
9.90	(251.5)	121	1.84	(46.5)	2.40	(61.0)

Flange diameter is 13.58" (345 mm)

Undercarriage Code: 665

Sprockets



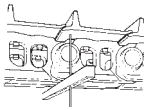
Caliper Inches	(mm)	% Worn
1.55	(39.5)	0
1.50	(38.0)	6
1.45	(37.0)	12
1.40	(35.5)	18
1.35	(34.5)	24
1.30	(33.0)	30
1.25	(32.0)	36
1.20	(30.5)	42
1.15	(29.0)	48
1.10	(28.0)	54
1.05	(26.5)	60
1.00	(25.5)	66
0.95	(24.0)	72
0.90	(23.0)	78
0.85	(21.5)	84
0.80	(20.5)	90
0.75	(19.0)	94
0.70	(18.0)	97
0.65	(16.5)	100
0.60	(15.0)	103
0.55	(14.0)	106
0.50	(12.5)	109
0.45	(11.5)	112
0.40	(10.0)	115
0.35	(9.0)	118
0.30	(7.5)	121

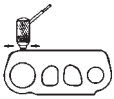
Undercarriage Code: 665

5130 — 12.50" (317.5 mm)

Track Links

6I8643 & 44
6T8049 & 50



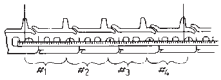


Depth Gauge			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
7.79	(198.0)	0	2.24	(56.9)
7.77	(197.5)	5	2.22	(56.4)
7.75	(197.0)	10	2.20	(55.9)
7.73	(196.5)	15	2.18	(55.4)
7.71	(196.0)	20	2.16	(54.9)
7.69	(195.5)	25	2.14	(54.4)
7.67	(195.0)	30	2.12	(53.8)
7.65	(194.5)	35	2.10	(53.3)
7.63	(194.0)	40	2.08	(52.8)
7.61	(193.5)	45	2.06	(52.3)
7.59	(193.0)	50	2.04	(51.8)
7.57	(192.5)	55	2.02	(51.3)
7.55	(192.0)	60	2.00	(50.8)
7.53	(191.5)	65	1.98	(50.3)
7.51	(191.0)	70	1.96	(49.8)
7.49	(190.0)	73	1.94	(49.3)
7.47	(189.5)	76	1.92	(48.8)
7.45	(189.0)	79	1.90	(48.3)
7.43	(188.5)	82	1.88	(47.8)
7.41	(188.0)	85	1.86	(47.2)
7.39	(187.5)	88	1.84	(46.7)
7.37	(187.0)	91	1.82	(46.2)
7.35	(186.5)	94	1.80	(45.7)
7.33	(186.0)	97	1.78	(45.2)
7.31	(185.5)	100	1.76	(44.7)
7.29	(185.0)	103	1.74	(44.2)
7.27	(184.5)	106	1.72	(43.7)
7.25	(184.0)	109	1.70	(43.2)
7.23	(183.5)	112	1.68	(42.7)
7.21	(183.0)	115	1.66	(42.2)
7.19	(182.5)	118	1.64	(41.7)
7.17	(182.0)	121	1.62	(41.1)

Undercarriage Code: 670, 671

Pins and Bushings for Sealed Track

Internal Wear



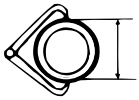
Inches	(mm)	% Worn
50.05	(1271.5)	0
50.10	(1272.5)	10
50.15	(1274.0)	20
50.20	(1275.0)	30
50.25	(1276.5)	40
50.30	(1277.5)	50
50.35	(1279.0)	60
50.40	(1280.0)	70
50.45	(1281.5)	80
50.50	(1282.5)	90
50.55	(1284.0)	100
50.60	(1285.0)	105
50.65	(1286.5)	110
50.70	(1288.0)	115
50.75	(1289.0)	120

Undercarriage Code: 670, 671

5130 — 12.50" (317.5 mm)

Bushings for Sealed Track

External Wear



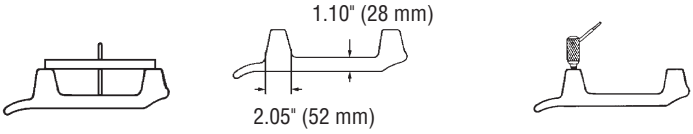


Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
4.32	(109.7)	0	0.82	(20.8)
4.31	(109.5)	4	0.81	(20.6)
4.30	(109.2)	8	0.80	(20.3)
4.29	(109.0)	12	0.79	(20.1)
4.28	(108.7)	16	0.78	(19.8)
4.27	(108.5)	20	0.77	(19.6)
4.26	(108.2)	24	0.76	(19.3)
4.25	(108.0)	28	0.75	(19.1)
4.24	(107.7)	32	0.74	(18.8)
4.23	(107.4)	36	0.73	(18.5)
4.22	(107.2)	40	0.72	(18.3)
4.21	(106.9)	43	0.71	(18.0)
4.20	(106.7)	46	0.70	(17.8)
4.19	(106.4)	49	0.69	(17.5)
4.18	(106.2)	52	0.68	(17.3)
4.17	(105.9)	55	0.67	(17.0)
4.16	(105.7)	58	0.66	(16.8)
4.15	(105.4)	61	0.65	(16.5)
4.14	(105.2)	64	0.64	(16.3)
4.13	(104.9)	67	0.63	(16.0)
4.12	(104.6)	70	0.62	(15.7)
4.11	(104.4)	73	0.61	(15.5)
4.10	(104.1)	76	0.60	(15.2)
4.09	(103.9)	79	0.59	(15.0)
4.08	(103.6)	82	0.58	(14.7)
4.07	(103.4)	85	0.57	(14.5)
4.06	(103.1)	88	0.56	(14.2)
4.05	(102.9)	91	0.55	(14.0)
4.04	(102.6)	94	0.54	(13.7)
4.03	(102.4)	97	0.53	(13.5)
4.02	(102.1)	100	0.52	(13.2)
4.01	(101.9)	103	0.51	(13.0)
4.00	(101.6)	106	0.50	(12.7)
3.99	(101.3)	109	0.49	(12.4)
3.98	(101.1)	112	0.48	(12.2)
3.97	(100.8)	115	0.47	(11.9)
3.96	(100.6)	118	0.46	(11.7)
3.95	(100.3)	121	0.45	(11.4)

Undercarriage Code: 670, 671

Track Shoes

Double Grouser
Tall Grouser Shoe



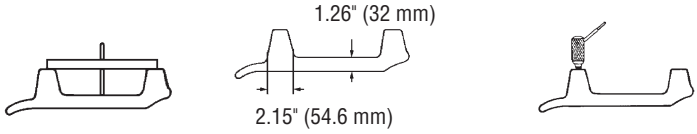
Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
2.90	(73.5)	0	4.02	(102.0)
2.80	(71.0)	6	3.92	(99.5)
2.70	(68.5)	12	3.82	(96.9)
2.60	(66.0)	18	3.72	(94.4)
2.50	(63.5)	24	3.62	(91.8)
2.40	(61.0)	30	3.52	(89.3)
2.30	(58.5)	35	3.42	(86.8)
2.20	(56.0)	40	3.32	(84.2)
2.10	(53.5)	45	3.22	(81.7)
2.00	(51.0)	50	3.12	(79.1)
1.90	(48.5)	55	3.02	(76.6)
1.80	(45.5)	60	2.92	(74.1)
1.70	(43.0)	65	2.82	(71.5)
1.60	(40.5)	70	2.72	(69.0)
1.50	(38.0)	75	2.62	(66.4)
1.40	(35.5)	80	2.52	(63.9)
1.30	(33.0)	85	2.42	(61.4)
1.20	(30.5)	90	2.32	(58.8)
1.10	(28.0)	95	2.22	(56.3)
1.00	(25.5)	100	2.12	(53.7)
0.90	(23.0)	105	2.02	(51.2)
0.80	(20.5)	110	1.92	(48.7)
0.70	(18.0)	115	1.82	(46.1)
0.60	(15.0)	120	1.72	(43.6)

Undercarriage Code: 671

5130 — 12.50" (317.5 mm)

Track Shoes

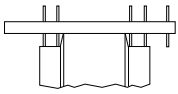
Double Grouser
(Original Forged [semi-flat] shoe)



Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
2.94	(74.5)	0	4.21	(107.0)
2.84	(72.0)	6	4.11	(104.5)
2.74	(69.5)	12	4.01	(101.9)
2.64	(67.0)	18	3.91	(99.4)
2.54	(64.5)	24	3.81	(96.8)
2.44	(62.0)	30	3.71	(94.3)
2.34	(59.5)	35	3.61	(91.8)
2.24	(57.0)	40	3.51	(89.2)
2.14	(54.5)	45	3.41	(86.7)
2.04	(52.0)	50	3.31	(84.1)
1.94	(49.5)	55	3.21	(81.6)
1.84	(46.5)	60	3.11	(79.1)
1.74	(44.0)	65	3.01	(76.5)
1.64	(41.5)	70	2.91	(74.0)
1.54	(39.0)	75	2.81	(71.4)
1.44	(36.5)	80	2.71	(68.9)
1.34	(34.0)	85	2.61	(66.4)
1.24	(31.5)	90	2.51	(63.8)
1.14	(29.0)	95	2.41	(61.3)
1.04	(26.5)	100	2.31	(58.7)
0.94	(24.0)	105	2.21	(56.2)
0.84	(21.5)	110	2.11	(53.7)
0.74	(19.0)	115	2.01	(51.1)
0.64	(16.5)	120	1.91	(48.6)

Undercarriage Code: 670

Idlers



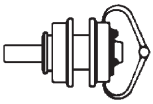
Depth Gauge Inches	(mm)	% Worn
1.54	(39.0)	0
1.56	(39.5)	6
1.58	(40.0)	12
1.60	(40.5)	18
1.62	(41.0)	24
1.64	(41.5)	30
1.66	(42.0)	36
1.68	(42.5)	42
1.70	(43.0)	48
1.72	(43.5)	54
1.74	(44.0)	60
1.76	(44.5)	66
1.78	(45.0)	72
1.80	(45.5)	76
1.82	(46.0)	78
1.84	(46.5)	80
1.86	(47.0)	82
1.88	(48.0)	84
1.90	(48.5)	86
1.92	(49.0)	88
1.94	(49.5)	90
1.96	(50.0)	92
1.98	(50.5)	94
2.00	(51.0)	96
2.02	(51.5)	98
2.04	(52.0)	100
2.06	(52.5)	102
2.08	(53.0)	104
2.10	(53.5)	106
2.12	(54.0)	108
2.14	(54.5)	110
2.16	(55.0)	112
2.18	(55.5)	114
2.20	(56.0)	116
2.22	(56.5)	118
2.24	(57.0)	120

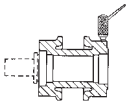
Flange width: 4.96" (126 mm)

Undercarriage Code: 670, 671

5130 — 12.50" (317.5 mm)

Carrier Rollers

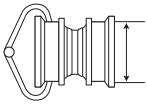
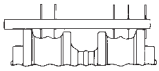
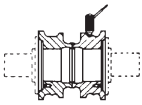




Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
9.05	(230.0)	0	2.54	(64.5)
9.01	(229.0)	4	2.52	(64.0)
8.97	(228.0)	8	2.50	(63.5)
8.93	(227.0)	12	2.48	(63.0)
8.89	(226.0)	16	2.46	(62.5)
8.85	(225.0)	20	2.44	(62.0)
8.81	(224.0)	24	2.42	(61.5)
8.77	(223.0)	28	2.40	(61.0)
8.73	(221.5)	32	2.38	(60.5)
8.69	(220.5)	36	2.36	(59.9)
8.65	(219.5)	40	2.34	(59.4)
8.61	(218.5)	44	2.32	(58.9)
8.57	(217.5)	46	2.30	(58.4)
8.53	(216.5)	48	2.28	(57.9)
8.49	(215.5)	50	2.26	(57.4)
8.45	(214.5)	52	2.24	(56.9)
8.41	(213.5)	54	2.22	(56.4)
8.37	(212.5)	56	2.20	(55.9)
8.33	(211.5)	58	2.18	(55.4)
8.29	(210.5)	60	2.16	(54.9)
8.25	(209.5)	62	2.14	(54.4)
8.21	(208.5)	64	2.12	(53.8)
8.17	(207.5)	66	2.10	(53.3)
8.13	(206.5)	68	2.08	(52.8)
8.09	(205.5)	70	2.06	(52.3)
8.05	(204.5)	72	2.04	(51.8)
8.01	(203.5)	74	2.02	(51.3)
7.97	(202.5)	76	2.00	(50.8)
7.93	(201.5)	78	1.98	(50.3)
7.89	(200.5)	80	1.96	(49.8)
7.85	(199.5)	82	1.94	(49.3)
7.81	(198.5)	84	1.92	(48.8)
7.77	(197.5)	86	1.90	(48.3)
7.73	(196.5)	88	1.88	(47.8)
7.69	(195.5)	90	1.86	(47.2)
7.65	(194.5)	92	1.84	(46.7)
7.61	(193.5)	94	1.82	(46.2)
7.57	(192.5)	96	1.80	(45.7)
7.53	(191.5)	98	1.78	(45.2)
7.49	(190.0)	100	1.76	(44.7)
7.45	(189.0)	102	1.74	(44.2)
7.41	(188.0)	104	1.72	(43.7)
7.37	(187.0)	106	1.70	(43.2)
7.33	(186.0)	108	1.68	(42.7)
7.29	(185.0)	110	1.66	(42.2)
7.25	(184.0)	112	1.64	(41.7)
7.21	(183.0)	114	1.62	(41.1)
7.17	(182.0)	116	1.60	(40.6)
7.13	(181.0)	118	1.58	(40.1)
7.09	(180.0)	120	1.56	(39.6)

Undercarriage Code: 670, 671

Track Rollers

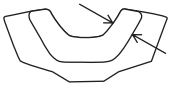




Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
12.79	(325.0)	0	1.57	(40.0)	3.13	(79.5)
12.69	(322.5)	6	1.62	(41.0)	3.08	(78.2)
12.59	(320.0)	12	1.67	(42.5)	3.03	(77.0)
12.49	(317.0)	18	1.72	(43.5)	2.98	(75.7)
12.39	(314.5)	24	1.77	(45.0)	2.93	(74.4)
12.29	(312.0)	30	1.82	(46.0)	2.88	(73.2)
12.19	(309.5)	36	1.87	(47.5)	2.83	(71.9)
12.09	(307.0)	42	1.92	(49.0)	2.78	(70.6)
11.99	(304.5)	48	1.97	(50.0)	2.73	(69.3)
11.89	(302.0)	54	2.02	(51.5)	2.68	(68.1)
11.79	(299.5)	60	2.07	(52.5)	2.63	(66.8)
11.69	(297.0)	66	2.12	(54.0)	2.58	(65.5)
11.59	(294.5)	72	2.17	(55.0)	2.53	(64.3)
11.49	(292.0)	78	2.22	(56.5)	2.48	(63.0)
11.39	(289.5)	82	2.27	(57.5)	2.43	(61.7)
11.29	(287.0)	85	2.32	(59.0)	2.38	(60.5)
11.19	(284.0)	88	2.37	(60.0)	2.33	(59.2)
11.09	(281.5)	91	2.42	(61.5)	2.28	(57.9)
10.99	(279.0)	94	2.47	(62.5)	2.23	(56.6)
10.89	(276.5)	97	2.52	(64.0)	2.18	(55.4)
10.79	(274.0)	100	2.57	(65.5)	2.13	(54.1)
10.69	(271.5)	103	2.62	(66.5)	2.08	(52.8)
10.59	(269.0)	106	2.67	(68.0)	2.03	(51.6)
10.49	(266.5)	109	2.72	(69.0)	1.98	(50.3)
10.39	(264.0)	112	2.77	(70.5)	1.93	(49.0)
10.29	(261.5)	115	2.82	(71.5)	1.88	(47.8)
10.19	(259.0)	118	2.87	(73.0)	1.83	(46.5)
10.09	(256.5)	121	2.92	(74.0)	1.78	(45.2)

Flange diameter is 14.94" (405 mm)

Undercarriage Code: 670, 671

Sprockets



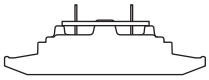
Caliper Inches	(mm)	% Worn
1.90	(48.5)	0
1.85	(47.0)	6
1.80	(45.5)	12
1.75	(44.5)	18
1.70	(43.0)	24
1.65	(42.0)	30
1.60	(40.5)	36
1.55	(39.5)	42
1.50	(38.0)	48
1.45	(37.0)	54
1.40	(35.5)	60
1.35	(34.5)	66
1.30	(33.0)	70
1.25	(32.0)	73
1.20	(30.5)	76
1.15	(29.0)	79
1.10	(28.0)	82
1.05	(26.5)	85
1.00	(25.5)	88
0.95	(24.0)	91
0.90	(23.0)	94
0.85	(21.5)	97
0.80	(20.5)	100
0.75	(19.0)	103
0.70	(18.0)	106
0.65	(16.5)	109
0.60	(15.0)	112
0.55	(14.0)	115
0.50	(12.5)	118
0.45	(11.5)	121

Undercarriage Code: 670, 671

NOTES

5230 — 14.90" (378.5 mm)

Track Links

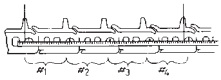


Depth Gauge Inches	(mm)	% Worn
1.85	(47.0)	0
1.87	(47.5)	6
1.89	(48.0)	12
1.91	(48.5)	18
1.93	(49.0)	24
1.95	(49.5)	30
1.97	(50.0)	36
1.99	(50.5)	42
2.01	(51.0)	48
2.03	(51.5)	54
2.05	(52.0)	60
2.07	(52.5)	66
2.09	(53.0)	72
2.11	(53.5)	78
2.13	(54.0)	84
2.15	(54.5)	90
2.17	(55.0)	94
2.19	(55.5)	97
2.21	(56.0)	100
2.23	(56.5)	103
2.25	(57.0)	106
2.27	(57.5)	109
2.29	(58.0)	112
2.31	(58.5)	115
2.33	(59.0)	118
2.35	(59.5)	121

Undercarriage Code: 675

Pins and Bushings for Sealed Track

Internal Wear

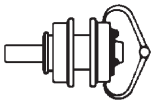


Inches	(mm)	% Worn
44.70	(1135.5)	0
44.75	(1136.5)	6
44.80	(1138.0)	12
44.85	(1139.0)	18
44.90	(1140.5)	24
44.95	(1141.5)	30
45.00	(1143.0)	36
45.05	(1144.5)	42
45.10	(1145.5)	48
45.15	(1147.0)	54
45.20	(1148.0)	60
45.25	(1149.5)	66
45.30	(1150.5)	72
45.35	(1152.0)	76
45.40	(1153.0)	79
45.45	(1154.5)	82
45.50	(1155.5)	85
45.55	(1157.0)	88
45.60	(1158.0)	91
45.65	(1159.5)	94
45.70	(1161.0)	97
45.75	(1162.0)	100
45.80	(1163.5)	103
45.85	(1164.5)	106
45.90	(1166.0)	109
45.95	(1167.0)	112
46.00	(1168.5)	115
46.05	(1169.5)	118
46.10	(1171.0)	121

Undercarriage Code: 675

5230 — 14.90" (378.5 mm)

Carrier Rollers



Caliper Inches	(mm)	% Worn
15.35	(390.0)	0
15.31	(389.0)	4
15.27	(388.0)	8
15.23	(387.0)	12
15.19	(386.0)	16
15.15	(385.0)	20
15.11	(384.0)	24
15.07	(383.0)	28
15.03	(382.0)	32
14.99	(380.5)	36
14.95	(379.5)	40
14.91	(378.5)	44
14.87	(377.5)	46
14.83	(376.5)	48
14.79	(375.5)	50
14.75	(374.5)	52
14.71	(373.5)	54
14.67	(372.5)	56
14.63	(371.5)	58
14.59	(370.5)	60
14.55	(369.5)	62
14.51	(368.5)	64
14.47	(367.5)	66
14.43	(366.5)	68
14.39	(365.5)	70
14.35	(364.5)	72
14.31	(363.5)	74
14.27	(362.5)	76
14.23	(361.5)	78
14.19	(360.5)	80
14.15	(359.5)	82
14.11	(358.5)	84
14.07	(357.5)	86
14.03	(356.5)	88
13.99	(355.5)	90
13.95	(354.5)	92
13.91	(353.5)	94
13.87	(352.5)	96
13.83	(351.5)	98
13.79	(350.5)	100
13.75	(349.5)	102
13.71	(348.0)	104
13.67	(347.0)	106
13.63	(346.0)	108
13.59	(345.0)	110
13.55	(344.0)	112
13.51	(343.0)	114
13.47	(342.0)	116
13.43	(341.0)	118
13.39	(340.0)	120

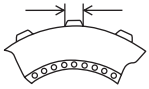
Undercarriage Code: 675

Track Rollers

Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
19.45	(494.0)	0	5.78	(146.8)
19.41	(493.0)	5	5.76	(146.3)
19.37	(492.0)	10	5.74	(145.8)
19.33	(491.0)	15	5.72	(145.3)
19.29	(490.0)	20	5.70	(144.8)
19.25	(489.0)	25	5.68	(144.3)
19.21	(488.0)	30	5.66	(143.8)
19.17	(487.0)	35	5.64	(143.3)
19.13	(486.0)	40	5.62	(142.7)
19.09	(485.0)	45	5.60	(142.2)
19.05	(484.0)	50	5.58	(141.7)
19.01	(483.0)	55	5.56	(141.2)
18.97	(482.0)	60	5.54	(140.7)
18.93	(481.0)	65	5.52	(140.2)
18.89	(480.0)	68	5.50	(139.7)
18.85	(479.0)	70	5.48	(139.2)
18.81	(478.0)	72	5.46	(138.7)
18.77	(477.0)	74	5.44	(138.2)
18.73	(475.5)	76	5.42	(137.7)
18.69	(474.5)	78	5.40	(137.2)
18.65	(473.5)	80	5.38	(136.7)
18.61	(472.5)	82	5.36	(136.1)
18.57	(471.5)	84	5.34	(135.6)
18.53	(470.5)	86	5.32	(135.1)
18.49	(469.5)	88	5.30	(134.6)
18.45	(468.5)	90	5.28	(134.1)
18.41	(467.5)	92	5.26	(133.6)
18.37	(466.5)	94	5.24	(133.1)
18.33	(465.5)	96	5.22	(132.6)
18.29	(464.5)	98	5.20	(132.1)
18.25	(463.5)	100	5.18	(131.6)
18.21	(462.5)	102	5.16	(131.1)
18.17	(461.5)	104	5.14	(130.6)
18.13	(460.5)	106	5.12	(130.0)
18.09	(459.5)	108	5.10	(129.5)
18.05	(458.5)	110	5.08	(129.0)
18.01	(457.5)	112	5.06	(128.5)
17.97	(456.5)	114	5.04	(128.0)
17.93	(455.5)	116	5.02	(127.5)
17.89	(454.5)	118	5.00	(127.0)
17.85	(453.5)	120	4.98	(126.5)

Undercarriage Code: 675

Sprockets



Caliper Inches	(mm)	% Worn
4.14	(105.0)	0
4.05	(103.0)	5
3.96	(100.5)	10
3.87	(98.5)	15
3.78	(96.0)	20
3.69	(93.5)	25
3.60	(91.5)	30
3.51	(89.0)	35
3.42	(87.0)	40
3.33	(84.5)	45
3.24	(82.5)	50
3.15	(80.0)	55
3.06	(77.5)	58
2.97	(75.5)	60
2.88	(73.0)	62
2.79	(71.0)	64
2.70	(68.5)	66
2.61	(66.5)	68
2.52	(64.0)	70
2.43	(61.5)	72
2.34	(59.5)	74
2.25	(57.0)	76
2.16	(55.0)	78
2.07	(52.5)	80
1.98	(50.5)	82
1.89	(48.0)	84
1.80	(45.5)	86
1.71	(43.5)	88
1.62	(41.0)	90
1.53	(39.0)	92
1.44	(36.5)	94
1.35	(34.5)	96
1.26	(32.0)	98
1.17	(29.5)	100
1.08	(27.5)	102
0.99	(25.0)	104
0.90	(23.0)	106
0.81	(20.5)	108
0.72	(18.5)	110
0.63	(16.0)	112
0.54	(13.5)	114
0.45	(11.5)	116
0.36	(9.0)	118
0.27	(7.0)	120

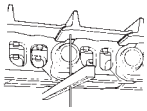
Undercarriage Code: 675

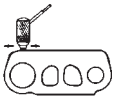
NOTES

205, 211, 213 — 6.75" (171.5 mm)

Track Links

9K6628 & 29



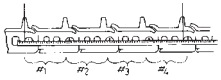


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
3.75	(95.5)	0	1.00	(25.4)
3.73	(94.5)	9	0.98	(24.9)
3.71	(94.0)	18	0.96	(24.4)
3.69	(93.5)	27	0.94	(23.9)
3.67	(93.0)	36	0.92	(23.4)
3.65	(92.5)	45	0.90	(22.9)
3.63	(92.0)	54	0.88	(22.4)
3.61	(91.5)	63	0.86	(21.8)
3.59	(91.0)	72	0.84	(21.3)
3.57	(90.5)	79	0.82	(20.8)
3.55	(90.0)	86	0.80	(20.3)
3.53	(89.5)	93	0.78	(19.8)
3.51	(89.0)	100	0.76	(19.3)
3.49	(88.5)	107	0.74	(18.8)
3.47	(88.0)	114	0.72	(18.3)
3.45	(87.5)	121	0.70	(17.8)

Undercarriage Code: 401, 402, 411, 412, 421, 422

Pins and Bushings for Sealed Track

Internal Wear



Inches	(mm)	% Worn
27.00	(686.0)	0
27.05	(687.0)	10
27.10	(688.5)	20
27.15	(689.5)	30
27.20	(691.0)	40
27.25	(692.0)	50
27.30	(693.5)	60
27.35	(694.5)	70
27.40	(696.0)	80
27.45	(697.0)	90
27.50	(698.5)	100
27.55	(700.0)	105
27.60	(701.0)	110
27.65	(702.5)	115
27.70	(703.5)	120

Undercarriage Code: 401, 402, 411, 412, 421, 422

205, 211, 213 — 6.75" (171.5 mm)

Bushings for Sealed Track

External Wear



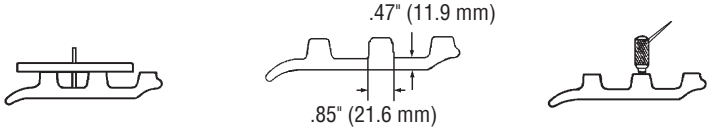


Caliper		Allowable Wear		Ultrasonic	
		Lesser	Greater		
Inches	(mm)	% Worn	% Worn	Inches	(mm)
2.14	(54.4)	0	0	0.39	(9.9)
2.13	(54.1)	9	7	0.38	(9.7)
2.12	(53.8)	18	14	0.37	(9.4)
2.11	(53.6)	27	21	0.36	(9.1)
2.10	(53.3)	36	28	0.35	(8.9)
2.09	(53.1)	45	35	0.34	(8.6)
2.08	(52.8)	54	42	0.33	(8.4)
2.07	(52.6)	63	49	0.32	(8.1)
2.06	(52.3)	72	56	0.31	(7.9)
2.05	(52.1)	81	63	0.30	(7.6)
2.04	(51.8)	88	70	0.29	(7.4)
2.03	(51.6)	92	73	0.28	(7.1)
2.02	(51.3)	96	76	0.27	(6.9)
2.01	(51.1)	100	79	0.26	(6.6)
2.00	(50.8)	104	82	0.25	(6.4)
1.99	(50.5)	108	85	0.24	(6.1)
1.98	(50.3)	112	88	0.23	(5.8)
1.97	(50.0)	116	91	0.22	(5.6)
1.96	(49.8)	120	94	0.21	(5.3)
1.95	(49.5)		97	0.20	(5.1)
1.94	(49.3)		100	0.19	(4.8)
1.93	(49.0)		103	0.18	(4.6)
1.92	(48.8)		106	0.17	(4.3)
1.91	(48.5)		109	0.16	(4.1)
1.90	(48.3)		112	0.15	(3.8)
1.89	(48.0)		115	0.14	(3.6)
1.88	(47.8)		118	0.13	(3.3)
1.87	(47.5)		121	0.12	(3.0)

Undercarriage Code: 401, 402, 411, 412, 421, 422

Track Shoes

Triple Grouser



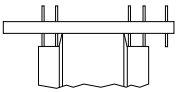
Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
0.65	(16.5)	0	1.15	(29.2)
0.60	(15.0)	13	1.10	(27.9)
0.55	(14.0)	26	1.05	(26.7)
0.50	(12.5)	39	1.00	(25.4)
0.45	(11.5)	52	0.95	(24.1)
0.40	(10.0)	64	0.90	(22.9)
0.35	(9.0)	76	0.85	(21.6)
0.30	(7.5)	88	0.80	(20.3)
0.25	(6.5)	100	0.75	(19.1)
0.20	(5.0)	112	0.70	(17.8)
0.15	(4.0)	124	0.65	(16.5)

Undercarriage Code: 401, 402, 411, 412, 421, 422

205, 211, 213 — 6.75" (171.5 mm)

Idlers

Current, Caterpillar Undercarriage





Depth Gauge Inches	(mm)	% Worn
0.66	(17.0)	0
0.68	(17.5)	12
0.70	(18.0)	24
0.72	(18.5)	36
0.74	(19.0)	48
0.76	(19.5)	60
0.78	(20.0)	72
0.80	(20.5)	82
0.82	(21.0)	85
0.84	(21.5)	88
0.86	(22.0)	91
0.88	(22.5)	94
0.90	(23.0)	97
0.92	(23.5)	100
0.94	(24.0)	103
0.96	(24.5)	106
0.98	(25.0)	109
1.00	(25.5)	112
1.02	(26.0)	115
1.04	(26.5)	118
1.06	(27.0)	121

Flange width 2.69" (68.3 mm)

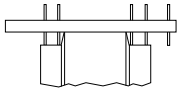
Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.28	(7.1)	0.00	(0.0)
0.26	(6.6)	0.02	(0.5)
0.24	(6.1)	0.04	(1.0)
0.22	(5.6)	0.06	(1.5)
0.20	(5.1)	0.08	(2.0)
0.18	(4.6)	0.10	(2.5)
0.16	(4.1)	0.12	(3.0)
0.14	(3.6)	0.14	(3.5)
0.12	(3.0)	0.16	(4.0)
0.10	(2.5)	0.18	(4.5)
0.08	(2.0)	0.20	(5.0)
0.06	(1.5)	0.22	(5.5)
0.04	(1.0)	0.24	(6.0)
0.02	(0.5)	0.26	(6.5)
0.00	(0.0)	0.28	(7.0)

NOTE: Ultrasonic measurement is to determine flange wear only.

Undercarriage Code: 402, 412, 422

Idlers

Earlier, Competitive Undercarriage

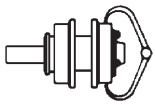


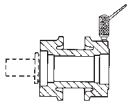
Depth Gauge Inches	(mm)	% Worn
0.88	(22.5)	0
0.90	(23.0)	12
0.92	(23.5)	24
0.94	(24.0)	36
0.96	(24.5)	48
0.98	(25.0)	60
1.00	(25.5)	72
1.02	(26.0)	82
1.04	(26.5)	85
1.06	(27.0)	88
1.08	(27.5)	91
1.10	(28.0)	94
1.12	(28.5)	97
1.14	(29.0)	100
1.16	(29.5)	103
1.18	(30.0)	106
1.20	(30.5)	109
1.22	(31.0)	112
1.24	(31.5)	115
1.26	(32.0)	118
1.28	(32.5)	121

Flange width: 2.7" (69 mm)

205, 211, 213 — 6.75" (171.5 mm)

Carrier Rollers

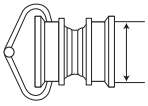


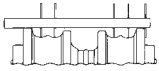


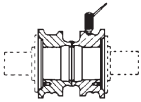
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
6.26	(159.0)	0	1.63	(41.4)
6.22	(158.0)	8	1.61	(40.9)
6.18	(157.0)	16	1.59	(40.4)
6.14	(156.0)	24	1.57	(39.9)
6.10	(155.0)	32	1.55	(39.4)
6.06	(154.0)	40	1.53	(38.9)
6.02	(153.0)	45	1.51	(38.4)
5.98	(152.0)	50	1.49	(37.8)
5.94	(151.0)	55	1.47	(37.3)
5.90	(150.0)	60	1.45	(36.8)
5.86	(149.0)	65	1.43	(36.3)
5.82	(148.0)	70	1.41	(35.8)
5.78	(147.0)	75	1.39	(35.3)
5.74	(146.0)	80	1.37	(34.8)
5.70	(145.0)	85	1.35	(34.3)
5.66	(144.0)	90	1.33	(33.8)
5.62	(142.5)	95	1.31	(33.3)
5.58	(141.5)	100	1.29	(32.8)
5.54	(140.5)	105	1.27	(32.3)
5.50	(139.5)	110	1.25	(31.8)
5.46	(138.5)	115	1.23	(31.2)
5.42	(137.5)	120	1.21	(30.7)

Undercarriage Code: 401, 402, 411, 412, 421, 422

Track Rollers







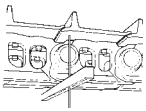
Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
6.10	(155.0)	0	0.69	(17.5)	1.72	(43.7)
6.08	(154.5)	5	0.70	(18.0)	1.71	(43.4)
6.06	(154.0)	10	0.71	(18.0)	1.70	(43.2)
6.04	(153.5)	15	0.72	(18.5)	1.69	(42.9)
6.02	(153.0)	20	0.73	(18.5)	1.68	(42.7)
6.00	(152.5)	25	0.74	(19.0)	1.67	(42.4)
5.98	(152.0)	30	0.75	(19.0)	1.66	(42.2)
5.96	(151.5)	35	0.76	(19.5)	1.65	(41.9)
5.94	(151.0)	40	0.77	(19.5)	1.64	(41.7)
5.92	(150.5)	45	0.78	(20.0)	1.63	(41.4)
5.90	(150.0)	50	0.79	(20.0)	1.62	(41.1)
5.88	(149.5)	55	0.80	(20.5)	1.61	(40.9)
5.86	(149.0)	60	0.81	(20.5)	1.60	(40.6)
5.84	(148.5)	64	0.82	(21.0)	1.59	(40.4)
5.82	(148.0)	67	0.83	(21.0)	1.58	(40.1)
5.80	(147.5)	70	0.84	(21.5)	1.57	(39.9)
5.78	(147.0)	73	0.85	(21.5)	1.56	(39.6)
5.76	(146.5)	76	0.86	(22.0)	1.55	(39.4)
5.74	(146.0)	79	0.87	(22.0)	1.54	(39.1)
5.72	(145.5)	82	0.88	(22.5)	1.53	(38.9)
5.70	(145.0)	85	0.89	(22.5)	1.52	(38.6)
5.68	(144.5)	88	0.90	(23.0)	1.51	(38.4)
5.66	(144.0)	91	0.91	(23.0)	1.50	(38.1)
5.64	(143.5)	94	0.92	(23.5)	1.49	(37.8)
5.62	(142.5)	97	0.93	(23.5)	1.48	(37.6)
5.60	(142.0)	100	0.94	(24.0)	1.47	(37.3)
5.58	(141.5)	103	0.95	(24.0)	1.46	(37.1)
5.56	(141.0)	106	0.96	(24.5)	1.45	(36.8)
5.54	(140.5)	109	0.97	(24.5)	1.44	(36.6)
5.52	(140.0)	112	0.98	(25.0)	1.43	(36.3)
5.50	(139.5)	115	0.99	(25.0)	1.42	(36.1)
5.48	(139.0)	118	1.00	(25.5)	1.41	(35.8)
5.46	(138.5)	121	1.01	(25.5)	1.40	(35.6)

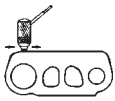
Undercarriage Code: 401, 402, 411, 412, 421, 422

215 — 6.75" (171.5 mm)

Track Links

9K6628 & 29
Use with 9W Track Rollers



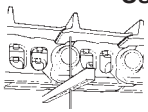


Depth Gauge			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
3.75	(95.5)	0	1.00	(25.4)
3.73	(94.5)	9	0.98	(24.9)
3.71	(94.0)	18	0.96	(24.4)
3.69	(93.5)	27	0.94	(23.9)
3.67	(93.0)	36	0.92	(23.4)
3.65	(92.5)	44	0.90	(22.9)
3.63	(92.0)	51	0.88	(22.4)
3.61	(91.5)	58	0.86	(21.8)
3.59	(91.0)	65	0.84	(21.3)
3.57	(90.5)	72	0.82	(20.8)
3.55	(90.0)	79	0.80	(20.3)
3.53	(89.5)	86	0.78	(19.8)
3.51	(89.0)	93	0.76	(19.3)
3.49	(88.5)	100	0.74	(18.8)
3.47	(88.0)	107	0.72	(18.3)
3.45	(87.5)	114	0.70	(17.8)
3.43	(87.0)	121	0.68	(17.3)

Undercarriage Code: 432

Track Links

9K6628 & 29
7K1825 & 26
Use with 9P and 6S Track Rollers



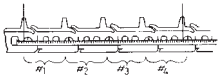


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
3.75	(95.5)	0	1.00	(25.4)
3.73	(94.5)	8	0.98	(24.9)
3.71	(94.0)	16	0.96	(24.4)
3.69	(93.5)	24	0.94	(23.9)
3.67	(93.0)	32	0.92	(23.4)
3.65	(92.5)	40	0.90	(22.9)
3.63	(92.0)	46	0.88	(22.4)
3.61	(91.5)	52	0.86	(21.8)
3.59	(91.0)	58	0.84	(21.3)
3.57	(90.5)	64	0.82	(20.8)
3.55	(90.0)	70	0.80	(20.3)
3.53	(89.5)	76	0.78	(19.8)
3.51	(89.0)	82	0.76	(19.3)
3.49	(88.5)	88	0.74	(18.8)
3.47	(88.0)	94	0.72	(18.3)
3.45	(87.5)	100	0.70	(17.8)
3.43	(87.0)	106	0.68	(17.3)
3.41	(86.5)	112	0.66	(16.8)
3.39	(86.0)	118	0.64	(16.3)
3.37	(85.5)	124	0.62	(15.7)

Undercarriage Code: 430, 431

Pins and Bushings for Sealed Track

Internal Wear

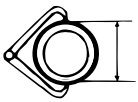


Inches	(mm)	% Worn
27.00	(686.0)	0
27.05	(687.0)	10
27.10	(688.5)	20
27.15	(689.5)	30
27.20	(691.0)	40
27.25	(692.0)	50
27.30	(693.5)	60
27.35	(694.5)	70
27.40	(696.0)	80
27.45	(697.0)	90
27.50	(698.5)	100
27.55	(700.0)	105
27.60	(701.0)	110
27.65	(702.5)	115
27.70	(703.5)	120

Undercarriage Code: 430, 431, 432

Bushings for Sealed Track

External Wear





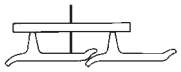
Caliper		Allowable Wear		Ultrasonic	
		Lesser	Greater		
Inches	(mm)	% Worn	% Worn	Inches	(mm)
2.14	(54.4)	0	0	0.39	(9.9)
2.13	(54.1)	9	7	0.38	(9.7)
2.12	(53.8)	18	14	0.37	(9.4)
2.11	(53.6)	27	21	0.36	(9.1)
2.10	(53.3)	36	28	0.35	(8.9)
2.09	(53.1)	45	35	0.34	(8.6)
2.08	(52.8)	54	42	0.33	(8.4)
2.07	(52.6)	63	49	0.32	(8.1)
2.06	(52.3)	72	56	0.31	(7.9)
2.05	(52.1)	81	63	0.30	(7.6)
2.04	(51.8)	88	70	0.29	(7.4)
2.03	(51.6)	92	73	0.28	(7.1)
2.02	(51.3)	96	76	0.27	(6.9)
2.01	(51.1)	100	79	0.26	(6.6)
2.00	(50.8)	104	82	0.25	(6.4)
1.99	(50.5)	108	85	0.24	(6.1)
1.98	(50.3)	112	88	0.23	(5.8)
1.97	(50.0)	116	91	0.22	(5.6)
1.96	(49.8)	120	94	0.21	(5.3)
1.95	(49.5)		97	0.20	(5.1)
1.94	(49.3)		100	0.19	(4.8)
1.93	(49.0)		103	0.18	(4.6)
1.92	(48.8)		106	0.17	(4.3)
1.91	(48.5)		109	0.16	(4.1)
1.90	(48.3)		112	0.15	(3.8)
1.89	(48.0)		115	0.14	(3.6)
1.88	(47.8)		118	0.13	(3.3)
1.87	(47.5)		121	0.12	(3.0)

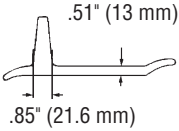
Undercarriage Code: 430, 431, 432

215 — 6.75" (171.5 mm)

Track Shoes

Moderate Service





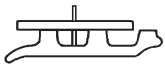


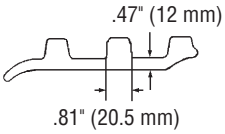
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
2.25	(57.0)	0	2.75	(69.9)
2.20	(56.0)	4	2.70	(68.6)
2.15	(54.5)	8	2.65	(67.4)
2.10	(53.5)	12	2.60	(66.1)
2.05	(52.0)	16	2.55	(64.8)
2.00	(51.0)	20	2.50	(63.6)
1.95	(49.5)	24	2.45	(62.3)
1.90	(48.5)	28	2.40	(61.0)
1.85	(47.0)	32	2.35	(59.7)
1.80	(45.5)	36	2.30	(58.5)
1.75	(44.5)	40	2.25	(57.2)
1.70	(43.0)	44	2.20	(55.9)
1.65	(42.0)	48	2.15	(54.7)
1.60	(40.5)	52	2.10	(53.4)
1.55	(39.5)	56	2.05	(52.1)
1.50	(38.0)	60	2.00	(50.9)
1.45	(37.0)	64	1.95	(49.6)
1.40	(35.5)	67	1.90	(48.3)
1.35	(34.5)	70	1.85	(47.0)
1.30	(33.0)	73	1.80	(45.8)
1.25	(32.0)	76	1.75	(44.5)
1.20	(30.5)	79	1.70	(43.2)
1.15	(29.0)	82	1.65	(42.0)
1.10	(28.0)	85	1.60	(40.7)
1.05	(26.5)	88	1.55	(39.4)
1.00	(25.5)	91	1.50	(38.2)
0.95	(24.0)	94	1.45	(36.9)
0.90	(23.0)	97	1.40	(35.6)
0.85	(21.5)	100	1.35	(34.3)
0.80	(20.5)	103	1.30	(33.1)
0.75	(19.0)	106	1.25	(31.8)
0.70	(18.0)	109	1.20	(30.5)
0.65	(16.5)	112	1.15	(29.3)
0.60	(15.0)	115	1.10	(28.0)
0.55	(14.0)	118	1.05	(26.7)
0.50	(12.5)	121	1.00	(25.5)

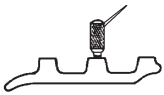
Undercarriage Code: 430, 431, 432

Track Shoes

Triple Grouser







Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
0.65	(16.5)	0	1.15	(29.2)
0.60	(15.0)	13	1.10	(27.9)
0.55	(14.0)	26	1.05	(26.7)
0.50	(12.5)	39	1.00	(25.4)
0.45	(11.5)	52	0.95	(24.1)
0.40	(10.0)	64	0.90	(22.9)
0.35	(9.0)	76	0.85	(21.6)
0.30	(7.5)	88	0.80	(20.3)
0.25	(6.5)	100	0.75	(19.1)
0.20	(5.0)	112	0.70	(17.8)
0.15	(4.0)	124	0.65	(16.5)

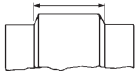
Undercarriage Code: 430, 431, 432

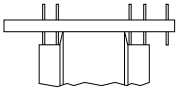
215 — 6.75" (171.5 mm)

Idlers

2V1548

2.69" (68.4 mm)







Depth Gauge Inches	(mm)	% Worn
0.66	(17.0)	0
0.68	(17.5)	12
0.70	(18.0)	24
0.72	(18.5)	36
0.74	(19.0)	48
0.76	(19.5)	60
0.78	(20.0)	72
0.80	(20.5)	82
0.82	(21.0)	85
0.84	(21.5)	88
0.86	(22.0)	91
0.88	(22.5)	94
0.90	(23.0)	97
0.92	(23.5)	100
0.94	(24.0)	103
0.96	(24.5)	106
0.98	(25.0)	109
1.00	(25.5)	112
1.02	(26.0)	115
1.04	(26.5)	118
1.06	(27.0)	121

Flange width: 2.69" (68.4 mm)

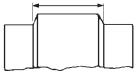
Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.28	(7.1)	0.00	(0.0)
0.26	(6.6)	0.02	(0.5)
0.24	(6.1)	0.04	(1.0)
0.22	(5.6)	0.06	(1.5)
0.20	(5.1)	0.08	(2.0)
0.18	(4.6)	0.10	(2.5)
0.16	(4.1)	0.12	(3.0)
0.14	(3.6)	0.14	(3.5)
0.12	(3.0)	0.16	(4.0)
0.10	(2.5)	0.18	(4.5)
0.08	(2.0)	0.20	(5.0)
0.06	(1.5)	0.22	(5.5)
0.04	(1.0)	0.24	(6.0)
0.02	(0.5)	0.26	(6.5)
0.00	(0.0)	0.28	(7.0)

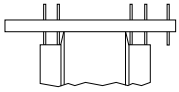
NOTE: Ultrasonic measurement is to determine flange wear only.

Idlers

5C6602

2.09" (53 mm)







Depth Gauge Inches	(mm)	% Worn
0.62	(15.5)	0
0.64	(16.5)	10
0.66	(17.0)	20
0.68	(17.5)	30
0.70	(18.0)	40
0.72	(18.5)	50
0.74	(19.0)	60
0.76	(19.5)	70
0.78	(20.0)	80
0.80	(20.5)	84
0.82	(21.0)	88
0.84	(21.5)	92
0.86	(22.0)	96
0.88	(22.5)	100
0.90	(23.0)	104
0.92	(23.5)	108
0.94	(24.0)	112
0.96	(24.5)	116
0.98	(25.0)	120

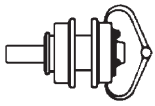
Flange width: 2.09" (53 mm)

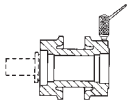
Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.22	(5.6)	0.00	(0.0)
0.20	(5.1)	0.02	(0.5)
0.18	(4.6)	0.04	(1.0)
0.16	(4.1)	0.06	(1.5)
0.14	(3.6)	0.08	(2.0)
0.12	(3.0)	0.10	(2.5)
0.10	(2.5)	0.12	(3.0)
0.08	(2.0)	0.14	(3.5)
0.06	(1.5)	0.16	(4.0)
0.04	(1.0)	0.18	(4.5)
0.02	(0.5)	0.20	(5.0)

NOTE: Ultrasonic measurement is to determine flange wear only.

Carrier Rollers

Large Diameter



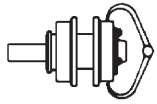


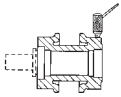
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
6.26	(159.0)	0	1.63	(41.4)
6.22	(158.0)	8	1.61	(40.9)
6.18	(157.0)	16	1.59	(40.4)
6.14	(156.0)	24	1.57	(39.9)
6.10	(155.0)	32	1.55	(39.4)
6.06	(154.0)	40	1.53	(38.9)
6.02	(153.0)	45	1.51	(38.4)
5.98	(152.0)	50	1.49	(37.8)
5.94	(151.0)	55	1.47	(37.3)
5.90	(150.0)	60	1.45	(36.8)
5.86	(149.0)	65	1.43	(36.3)
5.82	(148.0)	70	1.41	(35.8)
5.78	(147.0)	75	1.39	(35.3)
5.74	(146.0)	80	1.37	(34.8)
5.70	(145.0)	85	1.35	(34.3)
5.66	(144.0)	90	1.33	(33.8)
5.62	(142.5)	95	1.31	(33.3)
5.58	(141.5)	100	1.29	(32.8)
5.54	(140.5)	105	1.27	(32.3)
5.50	(139.5)	110	1.25	(31.8)
5.46	(138.5)	115	1.23	(31.2)
5.42	(137.5)	120	1.21	(30.7)

NOTE: New flange diameter is 7.12" (181 mm)

Carrier Rollers

Small Diameter





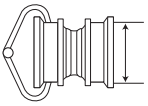
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
5.25	(133.5)	0	1.12	(28.4)
5.21	(132.5)	8	1.10	(27.9)
5.17	(131.5)	16	1.08	(27.4)
5.13	(130.5)	24	1.06	(26.9)
5.09	(129.5)	32	1.04	(26.4)
5.05	(128.5)	40	1.02	(25.9)
5.01	(127.5)	45	1.00	(25.4)
4.97	(126.0)	50	0.98	(24.9)
4.93	(125.0)	55	0.96	(24.4)
4.89	(124.0)	60	0.94	(23.9)
4.85	(123.0)	65	0.92	(23.4)
4.81	(122.0)	70	0.90	(22.9)
4.77	(121.0)	75	0.88	(22.4)
4.73	(120.0)	80	0.86	(21.8)
4.69	(119.0)	85	0.84	(21.3)
4.65	(118.0)	90	0.82	(20.8)
4.61	(117.0)	95	0.80	(20.3)
4.57	(116.0)	100	0.78	(19.8)
4.53	(115.0)	105	0.76	(19.3)
4.49	(114.0)	110	0.74	(18.8)
4.45	(113.0)	115	0.72	(18.3)
4.41	(112.0)	120	0.70	(17.8)

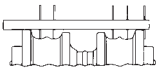
NOTE: New flange diameter is 6.22" (158 mm)

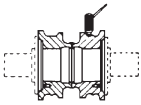
215 — 6.75" (171.5 mm)

Track Rollers

9W & 8E Rims







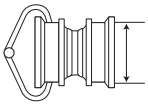
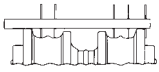
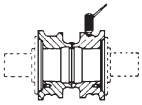
Caliper Inches	Caliper (mm)	% Worn	Depth Gauge Inches	Depth Gauge (mm)	Ultrasonic Inches	Ultrasonic (mm)
6.10	(155.0)	0	0.69	(17.5)	1.72	(43.7)
6.08	(154.5)	5	0.70	(18.0)	1.71	(43.4)
6.06	(154.0)	10	0.71	(18.0)	1.70	(43.2)
6.04	(153.5)	15	0.72	(18.5)	1.69	(42.9)
6.02	(153.0)	20	0.73	(18.5)	1.68	(42.7)
6.00	(152.5)	25	0.74	(19.0)	1.67	(42.4)
5.98	(152.0)	30	0.75	(19.0)	1.66	(42.2)
5.96	(151.5)	35	0.76	(19.5)	1.65	(41.9)
5.94	(151.0)	40	0.77	(19.5)	1.64	(41.7)
5.92	(150.5)	45	0.78	(20.0)	1.63	(41.4)
5.90	(150.0)	50	0.79	(20.0)	1.62	(41.1)
5.88	(149.5)	55	0.80	(20.5)	1.61	(40.9)
5.86	(149.0)	60	0.81	(20.5)	1.60	(40.6)
5.84	(148.5)	64	0.82	(21.0)	1.59	(40.4)
5.82	(148.0)	67	0.83	(21.0)	1.58	(40.1)
5.80	(147.5)	70	0.84	(21.5)	1.57	(39.9)
5.78	(147.0)	73	0.85	(21.5)	1.56	(39.6)
5.76	(146.5)	76	0.86	(22.0)	1.55	(39.4)
5.74	(146.0)	79	0.87	(22.0)	1.54	(39.1)
5.72	(145.5)	82	0.88	(22.5)	1.53	(38.9)
5.70	(145.0)	85	0.89	(22.5)	1.52	(38.6)
5.68	(144.5)	88	0.90	(23.0)	1.51	(38.4)
5.66	(144.0)	91	0.91	(23.0)	1.50	(38.1)
5.64	(143.5)	94	0.92	(23.5)	1.49	(37.8)
5.62	(142.5)	97	0.93	(23.5)	1.48	(37.6)
5.60	(142.0)	100	0.94	(24.0)	1.47	(37.3)
5.58	(141.5)	103	0.95	(24.0)	1.46	(37.1)
5.56	(141.0)	106	0.96	(24.5)	1.45	(36.8)
5.54	(140.5)	109	0.97	(24.5)	1.44	(36.6)
5.52	(140.0)	112	0.98	(25.0)	1.43	(36.3)
5.50	(139.5)	115	0.99	(25.0)	1.42	(36.1)
5.48	(139.0)	118	1.00	(25.5)	1.41	(35.8)
5.46	(138.5)	121	1.01	(25.5)	1.40	(35.6)

Flange diameter is 7.48" (190 mm)

Undercarriage Code: 432

Track Rollers

9P (D4E) Rims

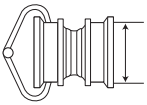
Caliper Inches	Caliper (mm)	% Worn	Depth Gauge Inches	Depth Gauge (mm)	Ultrasonic Inches	Ultrasonic (mm)
8.00	(203.0)	0	0.54	(13.5)	2.00	(50.8)
7.98	(202.5)	4	0.55	(14.0)	1.99	(50.5)
7.96	(202.0)	8	0.56	(14.0)	1.98	(50.3)
7.94	(201.5)	12	0.57	(14.5)	1.97	(50.0)
7.92	(201.0)	16	0.58	(14.5)	1.96	(49.8)
7.90	(200.5)	20	0.59	(15.0)	1.95	(49.5)
7.88	(200.0)	24	0.60	(15.0)	1.94	(49.3)
7.86	(199.5)	28	0.61	(15.5)	1.93	(49.0)
7.84	(199.0)	31	0.62	(15.5)	1.92	(48.8)
7.82	(198.5)	34	0.63	(16.0)	1.91	(48.5)
7.80	(198.0)	37	0.64	(16.5)	1.90	(48.3)
7.78	(197.5)	40	0.65	(16.5)	1.89	(48.0)
7.76	(197.0)	43	0.66	(17.0)	1.88	(47.8)
7.74	(196.5)	46	0.67	(17.0)	1.87	(47.5)
7.72	(196.0)	49	0.68	(17.5)	1.86	(47.2)
7.70	(195.5)	52	0.69	(17.5)	1.85	(47.0)
7.68	(195.0)	55	0.70	(18.0)	1.84	(46.7)
7.66	(194.5)	58	0.71	(18.0)	1.83	(46.5)
7.64	(194.0)	61	0.72	(18.5)	1.82	(46.2)
7.62	(193.5)	64	0.73	(18.5)	1.81	(46.0)
7.60	(193.0)	67	0.74	(19.0)	1.80	(45.7)
7.58	(192.5)	70	0.75	(19.0)	1.79	(45.5)
7.56	(192.0)	73	0.76	(19.5)	1.78	(45.2)
7.54	(191.5)	76	0.77	(19.5)	1.77	(45.0)
7.52	(191.0)	79	0.78	(20.0)	1.76	(44.7)
7.50	(190.5)	82	0.79	(20.0)	1.75	(44.5)
7.48	(190.0)	85	0.80	(20.5)	1.74	(44.2)
7.46	(189.5)	88	0.81	(20.5)	1.73	(43.9)
7.44	(189.0)	91	0.82	(21.0)	1.72	(43.7)
7.42	(188.5)	94	0.83	(21.0)	1.71	(43.4)
7.40	(188.0)	97	0.84	(21.5)	1.70	(43.2)
7.38	(187.5)	100	0.85	(21.5)	1.69	(42.9)
7.36	(187.0)	103	0.86	(22.0)	1.68	(42.7)
7.34	(186.5)	106	0.87	(22.0)	1.67	(42.4)
7.32	(186.0)	109	0.88	(22.5)	1.66	(42.2)
7.30	(185.5)	112	0.89	(22.5)	1.65	(41.9)
7.28	(185.0)	115	0.90	(23.0)	1.64	(41.7)
7.26	(184.5)	118	0.91	(23.0)	1.63	(41.4)
7.24	(184.0)	121	0.92	(23.5)	1.62	(41.1)

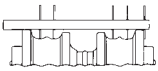
Flange diameter is 9.09" (231 mm)

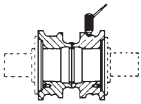
215 — 6.75" (171.5 mm)

Track Rollers

6S Rims







Caliper Inches	Caliper (mm)	% Worn	Depth Gauge Inches	Depth Gauge (mm)	Ultrasonic Inches	Ultrasonic (mm)
6.00	(152.5)	0	0.44	(11.0)	1.50	(38.1)
5.98	(152.0)	3	0.45	(11.5)	1.49	(37.8)
5.96	(151.5)	6	0.46	(11.5)	1.48	(37.6)
5.94	(151.0)	9	0.47	(12.0)	1.47	(37.3)
5.92	(150.5)	12	0.48	(12.0)	1.46	(37.1)
5.90	(150.0)	15	0.49	(12.5)	1.45	(36.8)
5.88	(149.5)	18	0.50	(12.5)	1.44	(36.6)
5.86	(149.0)	21	0.51	(13.0)	1.43	(36.3)
5.84	(148.5)	24	0.52	(13.0)	1.42	(36.1)
5.82	(148.0)	27	0.53	(13.5)	1.41	(35.8)
5.80	(147.5)	30	0.54	(13.5)	1.40	(35.6)
5.78	(147.0)	33	0.55	(14.0)	1.39	(35.3)
5.76	(146.5)	36	0.56	(14.0)	1.38	(35.1)
5.74	(146.0)	39	0.57	(14.5)	1.37	(34.8)
5.72	(145.5)	42	0.58	(14.5)	1.36	(34.5)
5.70	(145.0)	45	0.59	(15.0)	1.35	(34.3)
5.68	(144.5)	48	0.60	(15.0)	1.34	(34.0)
5.66	(144.0)	51	0.61	(15.5)	1.33	(33.8)
5.64	(143.5)	54	0.62	(15.5)	1.32	(33.5)
5.62	(142.5)	57	0.63	(16.0)	1.31	(33.3)
5.60	(142.0)	60	0.64	(16.5)	1.30	(33.0)
5.58	(141.5)	63	0.65	(16.5)	1.29	(32.8)
5.56	(141.0)	66	0.66	(17.0)	1.28	(32.5)
5.54	(140.5)	69	0.67	(17.0)	1.27	(32.3)
5.52	(140.0)	72	0.68	(17.5)	1.26	(32.0)
5.50	(139.5)	75	0.69	(17.5)	1.25	(31.8)
5.48	(139.0)	78	0.70	(18.0)	1.24	(31.5)
5.46	(138.5)	80	0.71	(18.0)	1.23	(31.2)
5.44	(138.0)	82	0.72	(18.5)	1.22	(31.0)
5.42	(137.5)	84	0.73	(18.5)	1.21	(30.7)
5.40	(137.0)	86	0.74	(19.0)	1.20	(30.5)
5.38	(136.5)	88	0.75	(19.0)	1.19	(30.2)
5.36	(136.0)	90	0.76	(19.5)	1.18	(30.0)
5.34	(135.5)	92	0.77	(19.5)	1.17	(29.7)
5.32	(135.0)	94	0.78	(20.0)	1.16	(29.5)
5.30	(134.5)	96	0.79	(20.0)	1.15	(29.2)
5.28	(134.0)	98	0.80	(20.5)	1.14	(29.0)
5.26	(133.5)	100	0.81	(20.5)	1.13	(28.7)
5.24	(133.0)	102	0.82	(21.0)	1.12	(28.4)
5.22	(132.5)	104	0.83	(21.0)	1.11	(28.2)
5.20	(132.0)	106	0.84	(21.5)	1.10	(27.9)
5.18	(131.5)	108	0.85	(21.5)	1.09	(27.7)
5.16	(131.0)	110	0.86	(22.0)	1.08	(27.4)
5.14	(130.5)	112	0.87	(22.0)	1.07	(27.2)
5.12	(130.0)	114	0.88	(22.5)	1.06	(26.9)
5.10	(129.5)	116	0.89	(22.5)	1.05	(26.7)
5.08	(129.0)	118	0.90	(23.0)	1.04	(26.4)
5.06	(128.5)	120	0.91	(23.0)	1.03	(26.2)

Flange diameter is 6.88" (175 mm)

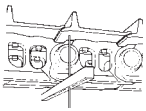
Undercarriage Code: 430

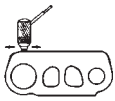
NOTES

225, 219, 215 S.A., FB221, FB217, DL221 — 7.50" (190 mm)

Track Links

7T4043 & 44
7.50" (190 mm) Pitch



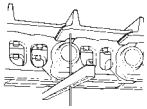


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
4.17	(106.0)	0	1.21	(30.7)
4.15	(105.5)	9	1.19	(30.2)
4.13	(105.0)	18	1.17	(29.7)
4.11	(104.5)	27	1.15	(29.2)
4.09	(104.0)	36	1.13	(28.7)
4.07	(103.5)	44	1.11	(28.2)
4.05	(103.0)	51	1.09	(27.7)
4.03	(102.5)	58	1.07	(27.2)
4.01	(102.0)	65	1.05	(26.7)
3.99	(101.5)	72	1.03	(26.2)
3.97	(101.0)	79	1.01	(25.7)
3.95	(100.5)	86	0.99	(25.1)
3.93	(100.0)	93	0.97	(24.6)
3.91	(99.5)	100	0.95	(24.1)
3.89	(99.0)	107	0.93	(23.6)
3.87	(98.5)	114	0.91	(23.1)
3.85	(98.0)	121	0.89	(22.6)

Undercarriage Code: 442, 443, 454, 455

Track Links

3P7153 & 54
6.91" (175.5 mm) Pitch
Use with 9W Roller





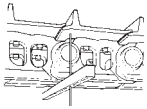
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
4.06	(103.0)	0	1.22	(31.0)
4.04	(102.5)	8	1.20	(30.5)
4.02	(102.0)	16	1.18	(30.0)
4.00	(101.5)	24	1.16	(29.5)
3.98	(101.0)	32	1.14	(29.0)
3.96	(100.5)	40	1.12	(28.4)
3.94	(100.0)	48	1.10	(27.9)
3.92	(99.5)	56	1.08	(27.4)
3.90	(99.0)	64	1.06	(26.9)
3.88	(98.5)	70	1.04	(26.4)
3.86	(98.0)	76	1.02	(25.9)
3.84	(97.5)	82	1.00	(25.4)
3.82	(97.0)	88	0.98	(24.9)
3.80	(96.5)	94	0.96	(24.4)
3.78	(96.0)	100	0.94	(23.9)
3.76	(95.5)	106	0.92	(23.4)
3.74	(95.0)	112	0.90	(22.9)
3.72	(94.5)	118	0.88	(22.4)
3.70	(94.0)	124	0.86	(21.8)

Undercarriage Code: 434, 453

225, 219, 215 S.A., FB221, FB217, DL221 — 6.91" (175.5 mm)

Track Links

3P7153 & 54
6.91" (175.5 mm) Pitch
Use with 9S Roller





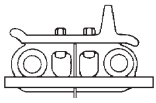
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
4.06	(103.0)	0	1.22	(31.0)
4.04	(102.5)	6	1.20	(30.5)
4.02	(102.0)	12	1.18	(30.0)
4.00	(101.5)	18	1.16	(29.5)
3.98	(101.0)	24	1.14	(29.0)
3.96	(100.5)	30	1.12	(28.4)
3.94	(100.0)	36	1.10	(27.9)
3.92	(99.5)	42	1.08	(27.4)
3.90	(99.0)	48	1.06	(26.9)
3.88	(98.5)	54	1.04	(26.4)
3.86	(98.0)	60	1.02	(25.9)
3.84	(97.5)	66	1.00	(25.4)
3.82	(97.0)	72	0.98	(24.9)
3.80	(96.5)	76	0.96	(24.4)
3.78	(96.0)	80	0.94	(23.9)
3.76	(95.5)	84	0.92	(23.4)
3.74	(95.0)	88	0.90	(22.9)
3.72	(94.5)	92	0.88	(22.4)
3.70	(94.0)	96	0.86	(21.8)
3.68	(93.5)	100	0.84	(21.3)
3.66	(93.0)	104	0.82	(20.8)
3.64	(92.5)	108	0.80	(20.3)
3.62	(92.0)	112	0.78	(19.8)
3.60	(91.5)	116	0.76	(19.3)
3.58	(91.0)	120	0.74	(18.8)

Undercarriage Code: 433, 440, 445, 452

Bushings for Sealed & Lubricated Track





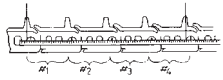


Caliper		Allowable Wear		Ultrasonic		Depth Gauge	
		Lesser	Greater				
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
2.44	(62.0)	0	0	0.48	(12.2)	2.90	(73.7)
2.43	(61.7)	5	4	0.47	(11.9)	2.89	(73.4)
2.42	(61.5)	10	8	0.46	(11.7)	2.88	(73.2)
2.41	(61.2)	15	12	0.45	(11.4)	2.87	(72.9)
2.40	(61.0)	20	16	0.44	(11.2)	2.86	(72.6)
2.39	(60.7)	25	20	0.43	(10.9)	2.85	(72.4)
2.38	(60.5)	30	24	0.42	(10.7)	2.84	(72.1)
2.37	(60.2)	35	28	0.41	(10.4)	2.83	(71.9)
2.36	(59.9)	40	32	0.40	(10.2)	2.82	(71.6)
2.35	(59.7)	45	36	0.39	(9.9)	2.81	(71.4)
2.34	(59.4)	50	40	0.38	(9.7)	2.80	(71.1)
2.33	(59.2)	55	44	0.37	(9.4)	2.79	(70.9)
2.32	(58.9)	60	48	0.36	(9.1)	2.78	(70.6)
2.31	(58.7)	64	52	0.35	(8.9)	2.77	(70.4)
2.30	(58.4)	67	56	0.34	(8.6)	2.76	(70.1)
2.29	(58.2)	70	60	0.33	(8.4)	2.75	(69.9)
2.28	(57.9)	73	62	0.32	(8.1)	2.74	(69.6)
2.27	(57.7)	76	64	0.31	(7.9)	2.73	(69.3)
2.26	(57.4)	79	66	0.30	(7.6)	2.72	(69.1)
2.25	(57.2)	82	68	0.29	(7.4)	2.71	(68.8)
2.24	(56.9)	85	70	0.28	(7.1)	2.70	(68.6)
2.23	(56.6)	88	72	0.27	(6.9)	2.69	(68.3)
2.22	(56.4)	91	74	0.26	(6.6)	2.68	(68.1)
2.21	(56.1)	94	76	0.25	(6.3)	2.67	(67.8)
2.20	(55.9)	97	78	0.24	(6.1)	2.66	(67.6)
2.19	(55.6)	100	80	0.23	(5.8)	2.65	(67.3)
2.18	(55.4)	103	82	0.22	(5.6)	2.64	(67.1)
2.17	(55.1)	106	84	0.21	(5.3)	2.63	(66.8)
2.16	(54.9)	109	86	0.20	(5.1)	2.62	(66.5)
2.15	(54.6)	112	88	0.19	(4.8)	2.61	(66.3)
2.14	(54.4)	115	90	0.18	(4.6)	2.60	(66.0)
2.13	(54.1)	118	92	0.17	(4.3)	2.59	(65.8)
2.12	(53.8)	121	94	0.16	(4.1)	2.58	(65.5)
2.11	(53.6)		96	0.15	(3.8)	2.57	(65.3)
2.10	(53.3)		98	0.14	(3.6)	2.56	(65.0)
2.09	(53.1)		100	0.13	(3.3)	2.55	(64.8)
2.08	(52.8)		102	0.12	(3.0)	2.54	(64.5)
2.07	(52.6)		104	0.11	(2.8)	2.53	(64.3)
2.06	(52.3)		106	0.10	(2.5)	2.52	(64.0)
2.05	(52.1)		108	0.09	(2.3)	2.51	(63.8)
2.04	(51.8)		110	0.08	(2.0)	2.50	(63.5)
2.03	(51.6)		112	0.07	(1.8)	2.49	(63.2)
2.02	(51.3)		114	0.06	(1.5)	2.48	(63.0)
2.01	(51.1)		116	0.05	(1.3)	2.47	(62.7)
2.00	(50.8)		118	0.04	(1.0)	2.46	(62.5)
1.99	(50.5)		120	0.03	(0.8)	2.45	(62.2)

Undercarriage Code: 433, 434, 440, 445, 452, 453

Pins and Bushings for Sealed Track

Internal Wear
7.50" (190.0 mm) Pitch

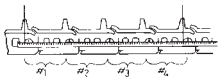


Inches	(mm)	% Worn
29.95	(760.5)	0
30.00	(762.0)	10
30.05	(763.5)	20
30.10	(764.5)	30
30.15	(766.0)	40
30.20	(767.0)	50
30.25	(768.5)	60
30.30	(769.5)	70
30.35	(771.0)	80
30.40	(772.0)	90
30.45	(773.5)	100
30.50	(774.5)	105
30.55	(776.0)	110
30.60	(777.0)	115
30.65	(778.5)	120

Undercarriage Code: 442, 443, 454, 455

Pins and Bushings for Sealed Track

Internal Wear
6.91" (175.5 mm) Pitch



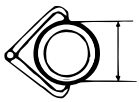
Inches	(mm)	% Worn
27.65	(702.5)	0
27.70	(703.5)	10
27.75	(705.0)	20
27.80	(706.0)	30
27.85	(707.5)	40
27.90	(708.5)	50
27.95	(710.0)	60
28.00	(711.0)	70
28.05	(712.5)	80
28.10	(713.5)	90
28.15	(715.0)	100
28.20	(716.5)	105
28.25	(717.5)	110
28.30	(719.0)	115
28.35	(720.0)	120

Undercarriage Code: 433, 434, 440, 445, 452, 453

225, 219, 215 S.A., FB221, FB217, DL221 — 7.50" (190 mm) & 6.91" (175.5 mm)

Bushings for Sealed Track

External Wear





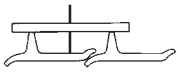
Caliper Inches	Caliper (mm)	Allowable Wear Lesser % Worn	Allowable Wear Greater % Worn	Ultrasonic Inches	Ultrasonic (mm)
2.33	(59.2)	0	0	0.42	(10.7)
2.32	(58.9)	10	6	0.41	(10.4)
2.31	(58.7)	20	12	0.40	(10.2)
2.30	(58.4)	30	18	0.39	(9.9)
2.29	(58.2)	40	24	0.38	(9.7)
2.28	(57.9)	50	30	0.37	(9.4)
2.27	(57.7)	60	36	0.36	(9.1)
2.26	(57.4)	70	42	0.35	(8.9)
2.25	(57.2)	75	48	0.34	(8.6)
2.24	(56.9)	80	54	0.33	(8.4)
2.23	(56.6)	85	60	0.32	(8.1)
2.22	(56.4)	90	66	0.31	(7.9)
2.21	(56.1)	95	72	0.30	(7.6)
2.20	(55.9)	100	78	0.29	(7.4)
2.19	(55.6)	105	82	0.28	(7.1)
2.18	(55.4)	110	85	0.27	(6.9)
2.17	(55.1)	115	88	0.26	(6.6)
2.16	(54.9)	120	91	0.25	(6.4)
2.15	(54.6)		94	0.24	(6.1)
2.14	(54.4)		97	0.23	(5.8)
2.13	(54.1)		100	0.22	(5.6)
2.12	(53.8)		103	0.21	(5.3)
2.11	(53.6)		106	0.20	(5.1)
2.10	(53.3)		109	0.19	(4.8)
2.09	(53.1)		112	0.18	(4.6)
2.08	(52.8)		115	0.17	(4.3)
2.07	(52.6)		118	0.16	(4.1)
2.06	(52.3)		121	0.15	(3.8)

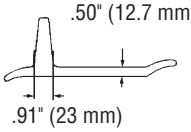
Undercarriage Code: 433, 434, 440, 442, 443, 445, 452, 453, 454, 455

225, 219, 215 S.A., FB221, FB217, DL221 — 6.91" (175.5 mm)

Track Shoes

Moderate Service







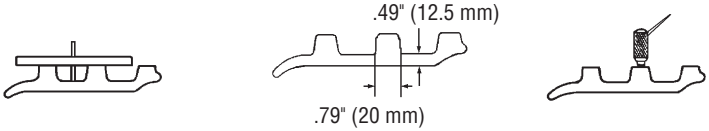
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
2.25	(57.0)	0	2.75	(69.9)
2.20	(56.0)	4	2.70	(68.6)
2.15	(54.5)	8	2.65	(67.3)
2.10	(53.5)	12	2.60	(66.0)
2.05	(52.0)	16	2.55	(64.8)
2.00	(51.0)	20	2.50	(63.5)
1.95	(49.5)	24	2.45	(62.2)
1.90	(48.5)	28	2.40	(61.0)
1.85	(47.0)	32	2.35	(59.7)
1.80	(45.5)	36	2.30	(58.4)
1.75	(44.5)	40	2.25	(57.2)
1.70	(43.0)	44	2.20	(55.9)
1.65	(42.0)	48	2.15	(54.6)
1.60	(40.5)	52	2.10	(53.3)
1.55	(39.5)	56	2.05	(52.1)
1.50	(38.0)	60	2.00	(50.8)
1.45	(37.0)	64	1.95	(49.5)
1.40	(35.5)	67	1.90	(48.3)
1.35	(34.5)	70	1.85	(47.0)
1.30	(33.0)	73	1.80	(45.7)
1.25	(32.0)	76	1.75	(44.5)
1.20	(30.5)	79	1.70	(43.2)
1.15	(29.0)	82	1.65	(41.9)
1.10	(28.0)	85	1.60	(40.6)
1.05	(26.5)	88	1.55	(39.4)
1.00	(25.5)	91	1.50	(38.1)
0.95	(24.0)	94	1.45	(36.8)
0.90	(23.0)	97	1.40	(35.6)
0.85	(21.5)	100	1.35	(34.3)
0.80	(20.5)	103	1.30	(33.0)
0.75	(19.0)	106	1.25	(31.8)
0.70	(18.0)	109	1.20	(30.5)
0.65	(16.5)	112	1.15	(29.2)
0.60	(15.0)	115	1.10	(27.9)
0.55	(14.0)	118	1.05	(26.7)
0.50	(12.5)	121	1.00	(25.4)

Undercarriage Code: 433, 434, 440, 445, 452, 453

225, 219, 215 S.A., FB221, FB217, DL221 — 7.50" (190 mm)

Track Shoes

Triple Grouser
7.50" (190 mm) Track Pitch

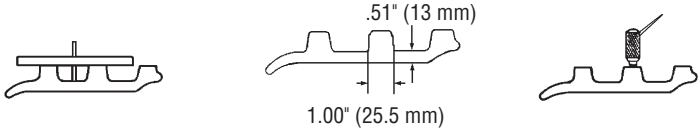


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.10	(28.0)	0	1.60	(40.6)
1.05	(26.5)	9	1.55	(39.4)
1.00	(25.5)	18	1.50	(38.1)
0.95	(24.0)	27	1.45	(36.8)
0.90	(23.0)	36	1.40	(35.6)
0.85	(21.5)	44	1.35	(34.3)
0.80	(20.5)	52	1.30	(33.0)
0.75	(19.0)	60	1.25	(31.8)
0.70	(18.0)	68	1.20	(30.5)
0.65	(16.5)	76	1.15	(29.2)
0.60	(15.0)	84	1.10	(27.9)
0.55	(14.0)	92	1.05	(26.7)
0.50	(12.5)	100	1.00	(25.4)
0.45	(11.5)	108	0.95	(24.1)
0.40	(10.0)	116	0.90	(22.9)
0.35	(9.0)	124	0.85	(21.6)

Undercarriage Code: 442, 443, 454, 455

Track Shoes

Triple Grouser
6.91" (175.5 mm) Track Pitch

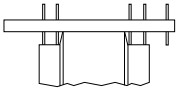


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
0.95	(24.0)	0	1.50	(38.1)
0.90	(23.0)	12	1.45	(36.8)
0.85	(21.5)	23	1.40	(35.6)
0.80	(20.5)	34	1.35	(34.3)
0.75	(19.0)	45	1.30	(33.0)
0.70	(18.0)	56	1.25	(31.8)
0.65	(16.5)	67	1.20	(30.5)
0.60	(15.0)	78	1.15	(29.2)
0.55	(14.0)	89	1.10	(27.9)
0.50	(12.5)	100	1.05	(26.7)
0.45	(11.5)	111	1.00	(25.4)
0.40	(10.0)	122	0.95	(24.1)

Undercarriage Code: 433, 434, 440, 445, 452, 453

225, 219, 215 S.A., FB221, FB217, DL221 — 7.50" (190 mm) & 6.91" (175.5 mm)

Idlers





Depth Gauge Inches	(mm)	% Worn
0.78	(20.0)	0
0.80	(20.5)	12
0.82	(21.0)	24
0.84	(21.5)	36
0.86	(22.0)	48
0.88	(22.5)	60
0.90	(23.0)	72
0.92	(23.5)	82
0.94	(24.0)	85
0.96	(24.5)	88
0.98	(25.0)	91
1.00	(25.5)	94
1.02	(26.0)	97
1.04	(26.5)	100
1.06	(27.0)	103
1.08	(27.5)	106
1.10	(28.0)	109
1.12	(28.5)	112
1.14	(29.0)	115
1.16	(29.5)	118
1.18	(30.0)	121

Flange width: 3.31" (84 mm)

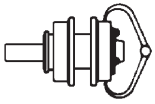
Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.36	(9.1)	0.00	(0.0)
0.34	(8.6)	0.02	(0.5)
0.32	(8.1)	0.04	(1.0)
0.30	(7.6)	0.06	(1.5)
0.28	(7.1)	0.08	(2.0)
0.26	(6.6)	0.10	(2.5)
0.24	(6.1)	0.12	(3.0)
0.22	(5.6)	0.14	(3.5)
0.20	(5.1)	0.16	(4.0)
0.18	(4.6)	0.18	(4.5)
0.16	(4.1)	0.20	(5.0)
0.14	(3.6)	0.22	(5.5)
0.12	(3.0)	0.24	(6.0)
0.10	(2.5)	0.26	(6.5)
0.08	(2.0)	0.28	(7.0)
0.06	(1.5)	0.30	(7.5)
0.04	(1.0)	0.32	(8.0)
0.02	(0.5)	0.34	(8.5)

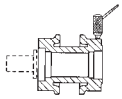
NOTE: Ultrasonic measurement is to determine flange wear only.

Undercarriage Code: 433, 434, 440, 442, 443, 445, 452, 453, 454, 455

225, 219, 215 S.A., FB221, FB217, DL221 — 7.50" (190 mm) & 6.91" (175.5 mm)

Carrier Rollers





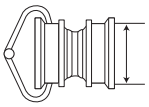
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
6.75	(171.5)	0	1.54	(39.1)
6.71	(170.5)	7	1.52	(38.6)
6.67	(169.5)	14	1.50	(38.1)
6.63	(168.5)	21	1.48	(37.6)
6.59	(167.5)	28	1.46	(37.1)
6.55	(166.5)	35	1.44	(36.6)
6.51	(165.5)	40	1.42	(36.1)
6.47	(164.5)	45	1.40	(35.6)
6.43	(163.5)	50	1.38	(35.1)
6.39	(162.5)	55	1.36	(34.5)
6.35	(161.5)	60	1.34	(34.0)
6.31	(160.5)	65	1.32	(33.5)
6.27	(159.5)	70	1.30	(33.0)
6.23	(158.0)	75	1.28	(32.5)
6.19	(157.0)	80	1.26	(32.0)
6.15	(156.0)	85	1.24	(31.5)
6.11	(155.0)	90	1.22	(31.0)
6.07	(154.0)	95	1.20	(30.5)
6.03	(153.0)	100	1.18	(30.0)
5.99	(152.0)	105	1.16	(29.5)
5.95	(151.0)	110	1.14	(29.0)
5.91	(150.0)	115	1.12	(28.4)
5.87	(149.0)	120	1.10	(27.9)

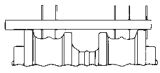
Undercarriage Code: 433, 434, 440, 442, 443, 445, 452, 453, 454, 455

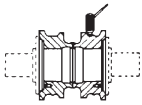
225, 219, 215 S.A., FB221, FB217, DL221 — 7.50" (190 mm) & 6.91" (175.5 mm)

Track Rollers

8E Rim







Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
6.37	(162.0)	0	0.75	(19.0)	1.67	(42.4)
6.33	(161.0)	6	0.77	(19.5)	1.65	(41.9)
6.29	(160.0)	12	0.79	(20.0)	1.63	(41.4)
6.25	(159.0)	18	0.81	(20.5)	1.61	(40.9)
6.21	(157.5)	24	0.83	(21.0)	1.59	(40.4)
6.17	(156.5)	30	0.85	(21.5)	1.57	(39.9)
6.13	(155.5)	36	0.87	(22.0)	1.55	(39.4)
6.09	(154.5)	42	0.89	(22.5)	1.53	(38.9)
6.05	(153.5)	48	0.91	(23.0)	1.51	(38.4)
6.01	(152.5)	54	0.93	(23.5)	1.49	(37.8)
5.97	(151.5)	60	0.95	(24.0)	1.47	(37.3)
5.93	(150.5)	66	0.97	(24.5)	1.45	(36.8)
5.89	(149.5)	72	0.99	(25.0)	1.43	(36.3)
5.85	(148.5)	78	1.01	(25.5)	1.41	(35.8)
5.81	(147.5)	84	1.03	(26.0)	1.39	(35.3)
5.77	(146.5)	88	1.05	(26.5)	1.37	(34.8)
5.73	(145.5)	91	1.07	(27.0)	1.35	(34.3)
5.69	(144.5)	94	1.09	(27.5)	1.33	(33.8)
5.65	(143.5)	97	1.11	(28.0)	1.31	(33.3)
5.61	(142.5)	100	1.13	(28.5)	1.29	(32.8)
5.57	(141.5)	103	1.15	(29.0)	1.27	(32.3)
5.53	(140.5)	106	1.17	(29.5)	1.25	(31.8)
5.49	(139.5)	109	1.19	(30.0)	1.23	(31.2)
5.45	(138.5)	112	1.21	(30.5)	1.21	(30.7)
5.41	(137.5)	115	1.23	(31.0)	1.19	(30.2)
5.37	(136.5)	118	1.25	(32.0)	1.17	(29.7)
5.33	(135.5)	121	1.27	(32.5)	1.15	(29.2)

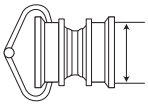
Flange diameter is 7.87" (200 mm)

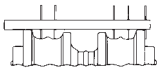
Undercarriage Code: 443, 455

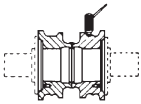
225, 219, 215 S.A., FB221, FB217, DL221 — 7.50" (190 mm) & 6.91" (175.5 mm)

Track Rollers

9W Rim







Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
6.14	(156.0)	0	0.86	(22.0)	1.55	(39.4)
6.10	(155.0)	8	0.88	(22.5)	1.53	(38.9)
6.06	(154.0)	16	0.90	(23.0)	1.51	(38.4)
6.02	(153.0)	23	0.92	(23.5)	1.49	(37.8)
5.98	(152.0)	30	0.94	(24.0)	1.47	(37.3)
5.94	(151.0)	37	0.96	(24.5)	1.45	(36.8)
5.90	(150.0)	44	0.98	(25.0)	1.43	(36.3)
5.86	(149.0)	51	1.00	(25.5)	1.41	(35.8)
5.82	(148.0)	58	1.02	(26.0)	1.39	(35.3)
5.78	(147.0)	65	1.04	(26.5)	1.37	(34.8)
5.74	(146.0)	72	1.06	(27.0)	1.35	(34.3)
5.70	(145.0)	79	1.08	(27.5)	1.33	(33.8)
5.66	(144.0)	86	1.10	(28.0)	1.31	(33.3)
5.62	(142.5)	93	1.12	(28.5)	1.29	(32.8)
5.58	(141.5)	100	1.14	(29.0)	1.27	(32.3)
5.54	(140.5)	107	1.16	(29.5)	1.25	(31.8)
5.50	(139.5)	114	1.18	(30.0)	1.23	(31.2)
5.46	(138.5)	121	1.20	(30.5)	1.21	(30.7)

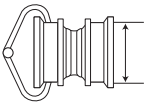
Flange diameter is 7.87" (200 mm)

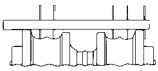
Undercarriage Code: 434, 440, 442, 445, 453, 454

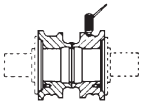
225, 219, 215 S.A., FB221, FB217, DL221 — 7.50" (190 mm) & 6.91" (175.5 mm)

Track Rollers

9S Rim







Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
8.01	(203.5)	0	0.65	(16.5)	1.88	(47.8)
7.97	(202.5)	6	0.67	(17.0)	1.86	(47.2)
7.93	(201.5)	12	0.69	(17.5)	1.84	(46.7)
7.89	(200.5)	18	0.71	(18.0)	1.82	(46.2)
7.85	(199.5)	24	0.73	(18.5)	1.80	(45.7)
7.81	(198.5)	30	0.75	(19.0)	1.78	(45.2)
7.77	(197.5)	36	0.77	(19.5)	1.76	(44.7)
7.73	(196.5)	42	0.79	(20.0)	1.74	(44.2)
7.69	(195.5)	48	0.81	(20.5)	1.72	(43.7)
7.65	(194.5)	54	0.83	(21.0)	1.70	(43.2)
7.61	(193.5)	60	0.85	(21.5)	1.68	(42.7)
7.57	(192.5)	66	0.87	(22.0)	1.66	(42.2)
7.53	(191.5)	72	0.89	(22.5)	1.64	(41.7)
7.49	(190.0)	76	0.91	(23.0)	1.62	(41.1)
7.45	(189.0)	80	0.93	(23.5)	1.60	(40.6)
7.41	(188.0)	84	0.95	(24.0)	1.58	(40.1)
7.37	(187.0)	88	0.97	(24.5)	1.56	(39.6)
7.33	(186.0)	92	0.99	(25.0)	1.54	(39.1)
7.29	(185.0)	96	1.01	(25.5)	1.52	(38.6)
7.25	(184.0)	100	1.03	(26.0)	1.50	(38.1)
7.21	(183.0)	104	1.05	(26.5)	1.48	(37.6)
7.17	(182.0)	108	1.07	(27.0)	1.46	(37.1)
7.13	(181.0)	112	1.09	(27.5)	1.44	(36.6)
7.09	(180.0)	116	1.11	(28.0)	1.42	(36.1)
7.05	(179.0)	120	1.13	(28.5)	1.40	(35.6)

Flange diameter is 9.31" (236 mm)

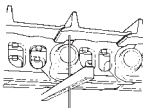
Undercarriage Code: 433, 452

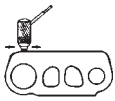
NOTES

225 — 6.75" (171.5 mm)

Track Links

9K6628 & 29
Use with 9P Track Rollers



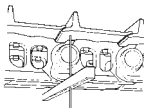


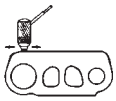
Depth Gauge			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
3.75	(95.5)	0	1.00	(25.4)
3.73	(94.5)	8	0.98	(24.9)
3.71	(94.0)	16	0.96	(24.4)
3.69	(93.5)	24	0.94	(23.9)
3.67	(93.0)	32	0.92	(23.4)
3.65	(92.5)	40	0.90	(22.9)
3.63	(92.0)	46	0.88	(22.4)
3.61	(91.5)	52	0.86	(21.8)
3.59	(91.0)	58	0.84	(21.3)
3.57	(90.5)	64	0.82	(20.8)
3.55	(90.0)	70	0.80	(20.3)
3.53	(89.5)	76	0.78	(19.8)
3.51	(89.0)	82	0.76	(19.3)
3.49	(88.5)	88	0.74	(18.8)
3.47	(88.0)	94	0.72	(18.3)
3.45	(87.5)	100	0.70	(17.8)
3.43	(87.0)	106	0.68	(17.3)
3.41	(86.5)	112	0.66	(16.8)
3.39	(86.0)	118	0.64	(16.3)
3.37	(85.5)	124	0.62	(15.7)

Undercarriage Code: 451

Track Links

9K6628 & 29
Use with 7K Track Rollers



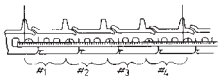


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
3.75	(95.5)	0	1.00	(25.4)
3.73	(94.5)	9	0.98	(24.9)
3.71	(94.0)	18	0.96	(24.4)
3.69	(93.5)	27	0.94	(23.9)
3.67	(93.0)	36	0.92	(23.4)
3.65	(92.5)	45	0.90	(22.9)
3.63	(92.0)	54	0.88	(22.4)
3.61	(91.5)	63	0.86	(21.8)
3.59	(91.0)	72	0.84	(21.3)
3.57	(90.5)	79	0.82	(20.8)
3.55	(90.0)	86	0.80	(20.3)
3.53	(89.5)	93	0.78	(19.8)
3.51	(89.0)	100	0.76	(19.3)
3.49	(88.5)	107	0.74	(18.8)
3.47	(88.0)	114	0.72	(18.3)
3.45	(87.5)	121	0.70	(17.8)

Undercarriage Code: 450

Pins and Bushings for Sealed Track

Internal Wear



Inches	(mm)	% Worn
27.00	(686.0)	0
27.05	(687.0)	10
27.10	(688.5)	20
27.15	(689.5)	30
27.20	(691.0)	40
27.25	(692.0)	50
27.30	(693.5)	60
27.35	(694.5)	70
27.40	(696.0)	80
27.45	(697.0)	90
27.50	(698.5)	100
27.55	(700.0)	105
27.60	(701.0)	110
27.65	(702.5)	115
27.70	(703.5)	120

Undercarriage Code: 450, 451

Bushings for Sealed Track

External Wear





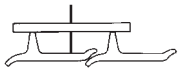
Caliper Inches	Caliper (mm)	Allowable Wear Lesser % Worn	Allowable Wear Greater % Worn	Ultrasonic Inches	Ultrasonic (mm)
2.14	(54.4)	0	0	0.39	(9.9)
2.13	(54.1)	9	7	0.38	(9.7)
2.12	(53.8)	18	14	0.37	(9.4)
2.11	(53.6)	27	21	0.36	(9.1)
2.10	(53.3)	36	28	0.35	(8.9)
2.09	(53.1)	45	35	0.34	(8.6)
2.08	(52.8)	54	42	0.33	(8.4)
2.07	(52.6)	63	49	0.32	(8.1)
2.06	(52.3)	72	56	0.31	(7.9)
2.05	(52.1)	81	63	0.30	(7.6)
2.04	(51.8)	88	70	0.29	(7.4)
2.03	(51.6)	92	73	0.28	(7.1)
2.02	(51.3)	96	76	0.27	(6.9)
2.01	(51.1)	100	79	0.26	(6.6)
2.00	(50.8)	104	82	0.25	(6.4)
1.99	(50.5)	108	85	0.24	(6.1)
1.98	(50.3)	112	88	0.23	(5.8)
1.97	(50.0)	116	91	0.22	(5.6)
1.96	(49.8)	120	94	0.21	(5.3)
1.95	(49.5)		97	0.20	(5.1)
1.94	(49.3)		100	0.19	(4.8)
1.93	(49.0)		103	0.18	(4.6)
1.92	(48.8)		106	0.17	(4.3)
1.91	(48.5)		109	0.16	(4.1)
1.90	(48.3)		112	0.15	(3.8)
1.89	(48.0)		115	0.14	(3.6)
1.88	(47.8)		118	0.13	(3.3)
1.87	(47.5)		121	0.12	(3.0)

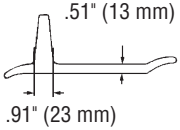
Undercarriage Code: 450, 451

225 — 6.75" (171.5 mm)

Track Shoes

Moderate Service





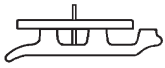


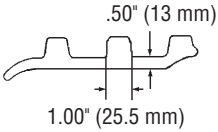
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
2.25	(57.0)	0	2.75	(69.9)
2.20	(56.0)	4	2.70	(68.6)
2.15	(54.5)	8	2.65	(67.4)
2.10	(53.5)	12	2.60	(66.1)
2.05	(52.0)	16	2.55	(64.8)
2.00	(51.0)	20	2.50	(63.6)
1.95	(49.5)	24	2.45	(62.3)
1.90	(48.5)	28	2.40	(61.0)
1.85	(47.0)	32	2.35	(59.7)
1.80	(45.5)	36	2.30	(58.5)
1.75	(44.5)	40	2.25	(57.2)
1.70	(43.0)	44	2.20	(55.9)
1.65	(42.0)	48	2.15	(54.7)
1.60	(40.5)	52	2.10	(53.4)
1.55	(39.5)	56	2.05	(52.1)
1.50	(38.0)	60	2.00	(50.9)
1.45	(37.0)	64	1.95	(49.6)
1.40	(35.5)	67	1.90	(48.3)
1.35	(34.5)	70	1.85	(47.0)
1.30	(33.0)	73	1.80	(45.8)
1.25	(32.0)	76	1.75	(44.5)
1.20	(30.5)	79	1.70	(43.2)
1.15	(29.0)	82	1.65	(42.0)
1.10	(28.0)	85	1.60	(40.7)
1.05	(26.5)	88	1.55	(39.4)
1.00	(25.5)	91	1.50	(38.2)
0.95	(24.0)	94	1.45	(36.9)
0.90	(23.0)	97	1.40	(35.6)
0.85	(21.5)	100	1.35	(34.3)
0.80	(20.5)	103	1.30	(33.1)
0.75	(19.0)	106	1.25	(31.8)
0.70	(18.0)	109	1.20	(30.5)
0.65	(16.5)	112	1.15	(29.3)
0.60	(15.0)	115	1.10	(28.0)
0.55	(14.0)	118	1.05	(26.7)
0.50	(12.5)	121	1.00	(25.5)

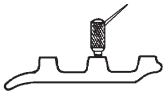
Undercarriage Code: 450, 451

Track Shoes

Triple Grouser





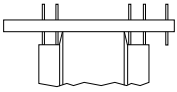


Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
0.95	(24.0)	0	1.50	(38.1)
0.90	(23.0)	12	1.45	(36.8)
0.85	(21.5)	23	1.40	(35.6)
0.80	(20.5)	34	1.35	(34.3)
0.75	(19.0)	45	1.30	(33.0)
0.70	(18.0)	56	1.25	(31.8)
0.65	(16.5)	67	1.20	(30.5)
0.60	(15.0)	78	1.15	(29.2)
0.55	(14.0)	89	1.10	(27.9)
0.50	(12.5)	100	1.05	(26.7)
0.45	(11.5)	111	1.00	(25.4)
0.40	(10.0)	122	0.95	(24.1)

Undercarriage Code: 450, 451

225 — 6.75" (171.5 mm)

Idlers





Depth Gauge Inches	(mm)	% Worn
0.66	(17.0)	0
0.68	(17.5)	12
0.70	(18.0)	24
0.72	(18.5)	36
0.74	(19.0)	48
0.76	(19.5)	60
0.78	(20.0)	72
0.80	(20.5)	82
0.82	(21.0)	85
0.84	(21.5)	88
0.86	(22.0)	91
0.88	(22.5)	94
0.90	(23.0)	97
0.92	(23.5)	100
0.94	(24.0)	103
0.96	(24.5)	106
0.98	(25.0)	109
1.00	(25.5)	112
1.02	(26.0)	115
1.04	(26.5)	118
1.06	(27.0)	121

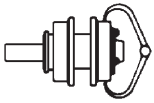
Flange width: 2.69" (68.5 mm)

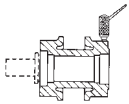
Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.28	(7.1)	0.00	(0.0)
0.26	(6.6)	0.02	(0.5)
0.24	(6.1)	0.04	(1.0)
0.22	(5.6)	0.06	(1.5)
0.20	(5.1)	0.08	(2.0)
0.18	(4.6)	0.10	(2.5)
0.16	(4.1)	0.12	(3.0)
0.14	(3.6)	0.14	(3.5)
0.12	(3.0)	0.16	(4.0)
0.10	(2.5)	0.18	(4.5)
0.08	(2.0)	0.20	(5.0)
0.06	(1.5)	0.22	(5.5)
0.04	(1.0)	0.24	(6.0)
0.02	(0.5)	0.26	(6.5)
0.00	(0.0)	0.28	(7.0)

NOTE: Ultrasonic measurement is to determine flange wear only.

Undercarriage Code: 450, 451

Carrier Rollers





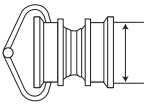
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
6.26	(159.0)	0	1.63	(41.4)
6.22	(158.0)	8	1.61	(40.9)
6.18	(157.0)	16	1.59	(40.4)
6.14	(156.0)	24	1.57	(39.9)
6.10	(155.0)	32	1.55	(39.4)
6.06	(154.0)	40	1.53	(38.9)
6.02	(153.0)	45	1.51	(38.4)
5.98	(152.0)	50	1.49	(37.8)
5.94	(151.0)	55	1.47	(37.3)
5.90	(150.0)	60	1.45	(36.8)
5.86	(149.0)	65	1.43	(36.3)
5.82	(148.0)	70	1.41	(35.8)
5.78	(147.0)	75	1.39	(35.3)
5.74	(146.0)	80	1.37	(34.8)
5.70	(145.0)	85	1.35	(34.3)
5.66	(144.0)	90	1.33	(33.8)
5.62	(142.5)	95	1.31	(33.3)
5.58	(141.5)	100	1.29	(32.8)
5.54	(140.5)	105	1.27	(32.3)
5.50	(139.5)	110	1.25	(31.8)
5.46	(138.5)	115	1.23	(31.2)
5.42	(137.5)	120	1.21	(30.7)

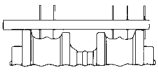
Undercarriage Code: 450, 451

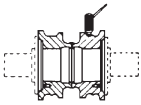
225 — 6.75" (171.5 mm)

Track Rollers

9P (D4E) Rim







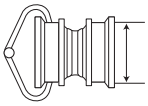
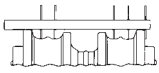
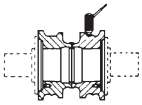
Caliper Inches	Caliper (mm)	% Worn	Depth Gauge Inches	Depth Gauge (mm)	Ultrasonic Inches	Ultrasonic (mm)
8.00	(203.0)	0	0.54	(13.5)	2.00	(50.8)
7.98	(202.5)	4	0.55	(14.0)	1.99	(50.5)
7.96	(202.0)	8	0.56	(14.0)	1.98	(50.3)
7.94	(201.5)	12	0.57	(14.5)	1.97	(50.0)
7.92	(201.0)	16	0.58	(14.5)	1.96	(49.8)
7.90	(200.5)	20	0.59	(15.0)	1.95	(49.5)
7.88	(200.0)	24	0.60	(15.0)	1.94	(49.3)
7.86	(199.5)	28	0.61	(15.5)	1.93	(49.0)
7.84	(199.0)	31	0.62	(15.5)	1.92	(48.8)
7.82	(198.5)	34	0.63	(16.0)	1.91	(48.5)
7.80	(198.0)	37	0.64	(16.5)	1.90	(48.3)
7.78	(197.5)	40	0.65	(16.5)	1.89	(48.0)
7.76	(197.0)	43	0.66	(17.0)	1.88	(47.8)
7.74	(196.5)	46	0.67	(17.0)	1.87	(47.5)
7.72	(196.0)	49	0.68	(17.5)	1.86	(47.2)
7.70	(195.5)	52	0.69	(17.5)	1.85	(47.0)
7.68	(195.0)	55	0.70	(18.0)	1.84	(46.7)
7.66	(194.5)	58	0.71	(18.0)	1.83	(46.5)
7.64	(194.0)	61	0.72	(18.5)	1.82	(46.2)
7.62	(193.5)	64	0.73	(18.5)	1.81	(46.0)
7.60	(193.0)	67	0.74	(19.0)	1.80	(45.7)
7.58	(192.5)	70	0.75	(19.0)	1.79	(45.5)
7.56	(192.0)	73	0.76	(19.5)	1.78	(45.2)
7.54	(191.5)	76	0.77	(19.5)	1.77	(45.0)
7.52	(191.0)	79	0.78	(20.0)	1.76	(44.7)
7.50	(190.5)	82	0.79	(20.0)	1.75	(44.5)
7.48	(190.0)	85	0.80	(20.5)	1.74	(44.2)
7.46	(189.5)	88	0.81	(20.5)	1.73	(43.9)
7.44	(189.0)	91	0.82	(21.0)	1.72	(43.7)
7.42	(188.5)	94	0.83	(21.0)	1.71	(43.4)
7.40	(188.0)	97	0.84	(21.5)	1.70	(43.2)
7.38	(187.5)	100	0.85	(21.5)	1.69	(42.9)
7.36	(187.0)	103	0.86	(22.0)	1.68	(42.7)
7.34	(186.5)	106	0.87	(22.0)	1.67	(42.4)
7.32	(186.0)	109	0.88	(22.5)	1.66	(42.2)
7.30	(185.5)	112	0.89	(22.5)	1.65	(41.9)
7.28	(185.0)	115	0.90	(23.0)	1.64	(41.7)
7.26	(184.5)	118	0.91	(23.0)	1.63	(41.4)
7.24	(184.0)	121	0.92	(23.5)	1.62	(41.1)

Flange diameter is 9.09" (230 mm)

Undercarriage Code: 451

Track Rollers

7K Rim

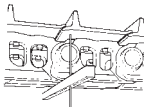
Caliper Inches	Caliper (mm)	% Worn	Depth Gauge Inches	Depth Gauge (mm)	Ultrasonic Inches	Ultrasonic (mm)
8.00	(203.0)	0	0.60	(15.0)	2.00	(50.8)
7.98	(202.5)	4	0.61	(15.5)	1.99	(50.5)
7.96	(202.0)	8	0.62	(15.5)	1.98	(50.3)
7.94	(201.5)	12	0.63	(16.0)	1.97	(50.0)
7.92	(201.0)	16	0.64	(16.5)	1.96	(49.8)
7.90	(200.5)	20	0.65	(16.5)	1.95	(49.5)
7.88	(200.0)	24	0.66	(17.0)	1.94	(49.3)
7.86	(199.5)	28	0.67	(17.0)	1.93	(49.0)
7.84	(199.0)	32	0.68	(17.5)	1.92	(48.8)
7.82	(198.5)	36	0.69	(17.5)	1.91	(48.5)
7.80	(198.0)	40	0.70	(18.0)	1.90	(48.3)
7.78	(197.5)	44	0.71	(18.0)	1.89	(48.0)
7.76	(197.0)	48	0.72	(18.5)	1.88	(47.8)
7.74	(196.5)	52	0.73	(18.5)	1.87	(47.5)
7.72	(196.0)	56	0.74	(19.0)	1.86	(47.2)
7.70	(195.5)	60	0.75	(19.0)	1.85	(47.0)
7.68	(195.0)	64	0.76	(19.5)	1.84	(46.7)
7.66	(194.5)	68	0.77	(19.5)	1.83	(46.5)
7.64	(194.0)	72	0.78	(20.0)	1.82	(46.2)
7.62	(193.5)	76	0.79	(20.0)	1.81	(46.0)
7.60	(193.0)	80	0.80	(20.5)	1.80	(45.7)
7.58	(192.5)	84	0.81	(20.5)	1.79	(45.5)
7.56	(192.0)	88	0.82	(21.0)	1.78	(45.2)
7.54	(191.5)	92	0.83	(21.0)	1.77	(45.0)
7.52	(191.0)	96	0.84	(21.5)	1.76	(44.7)
7.50	(190.5)	100	0.85	(21.5)	1.75	(44.5)
7.48	(190.0)	103	0.86	(22.0)	1.74	(44.2)
7.46	(189.5)	106	0.87	(22.0)	1.73	(43.9)
7.44	(189.0)	109	0.88	(22.5)	1.72	(43.7)
7.42	(188.5)	112	0.89	(22.5)	1.71	(43.4)
7.40	(188.0)	115	0.90	(23.0)	1.70	(43.2)
7.38	(187.5)	118	0.91	(23.0)	1.69	(42.9)
7.36	(187.0)	121	0.92	(23.5)	1.68	(42.7)

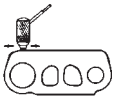
Flange diameter is 9.21" (234 mm)

227, 229, 231, 225 S.A., LL225 — 8.00" (203.2 mm)

Track Links

3P1112 & 13





Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
4.77	(121.0)	0	1.41	(35.8)
4.75	(120.5)	5	1.39	(35.3)
4.73	(120.0)	10	1.37	(34.8)
4.71	(119.5)	15	1.35	(34.3)
4.69	(119.0)	20	1.33	(33.8)
4.67	(118.5)	25	1.31	(33.3)
4.65	(118.0)	30	1.29	(32.8)
4.63	(117.5)	35	1.27	(32.3)
4.61	(117.0)	40	1.25	(31.8)
4.59	(116.5)	45	1.23	(31.2)
4.57	(116.0)	50	1.21	(30.7)
4.55	(115.5)	55	1.19	(30.2)
4.53	(115.0)	60	1.17	(29.7)
4.51	(114.5)	64	1.15	(29.2)
4.49	(114.0)	68	1.13	(28.7)
4.47	(113.5)	72	1.11	(28.2)
4.45	(113.0)	76	1.09	(27.7)
4.43	(112.5)	80	1.07	(27.2)
4.41	(112.0)	84	1.05	(26.7)
4.39	(111.5)	88	1.03	(26.2)
4.37	(111.0)	92	1.01	(25.7)
4.35	(110.5)	96	0.99	(25.1)
4.33	(110.0)	100	0.97	(24.6)
4.31	(109.5)	104	0.95	(24.1)
4.29	(109.0)	108	0.93	(23.6)
4.27	(108.5)	112	0.91	(23.1)
4.25	(108.0)	116	0.89	(22.6)
4.23	(107.5)	120	0.87	(22.1)

Undercarriage Code: 458, 460, 462, 463, 472, 473

Pins and Bushings for Sealed Track

Internal Wear



Inches	(mm)	% Worn
32.00	(813.0)	0
32.05	(814.0)	10
32.10	(815.5)	20
32.15	(816.5)	30
32.20	(818.0)	40
32.25	(819.0)	50
32.30	(820.5)	60
32.35	(821.5)	70
32.40	(823.0)	80
32.45	(824.0)	90
32.50	(825.5)	100
32.55	(827.0)	105
32.60	(828.0)	110
32.65	(829.5)	115
32.70	(830.5)	120

Undercarriage Code: 458, 460, 462, 463, 472, 473

Bushings for Sealed Track

External Wear



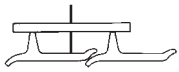


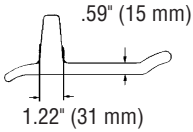
Caliper		Allowable Wear		Ultrasonic	
		Lesser	Greater		
Inches	(mm)	% Worn	% Worn	Inches	(mm)
2.64	(67.1)	0	0	0.42	(10.7)
2.63	(66.8)	9	7	0.41	(10.4)
2.62	(66.5)	18	14	0.40	(10.2)
2.61	(66.3)	27	21	0.39	(9.9)
2.60	(66.0)	36	28	0.38	(9.7)
2.59	(65.8)	45	35	0.37	(9.4)
2.58	(65.5)	54	42	0.36	(9.1)
2.57	(65.3)	63	49	0.35	(8.9)
2.56	(65.0)	72	56	0.34	(8.6)
2.55	(64.8)	81	63	0.33	(8.4)
2.54	(64.5)	88	70	0.32	(8.1)
2.53	(64.3)	92	73	0.31	(7.9)
2.52	(64.0)	96	76	0.30	(7.6)
2.51	(63.8)	100	79	0.29	(7.4)
2.50	(63.5)	104	82	0.28	(7.1)
2.49	(63.2)	108	85	0.27	(6.9)
2.48	(63.0)	112	88	0.26	(6.6)
2.47	(62.7)	116	91	0.25	(6.4)
2.46	(62.5)	120	94	0.24	(6.1)
2.45	(62.2)		97	0.23	(5.8)
2.44	(62.0)		100	0.22	(5.6)
2.43	(61.7)		103	0.21	(5.3)
2.42	(61.5)		106	0.20	(5.1)
2.41	(61.2)		109	0.19	(4.8)
2.40	(61.0)		112	0.18	(4.6)
2.39	(60.7)		115	0.17	(4.3)
2.38	(60.5)		118	0.16	(4.1)
2.37	(60.2)		121	0.15	(3.8)

Undercarriage Code: 458, 460, 462, 463, 472, 473

Track Shoes

Extreme Service







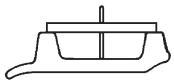
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
2.95	(75.0)	0	3.54	(90.0)
2.90	(73.5)	4	3.49	(88.7)
2.85	(72.5)	8	3.44	(87.5)
2.80	(71.0)	12	3.39	(86.2)
2.75	(70.0)	16	3.34	(84.9)
2.70	(68.5)	20	3.29	(83.7)
2.65	(67.5)	24	3.24	(82.4)
2.60	(66.0)	28	3.19	(81.1)
2.55	(65.0)	32	3.14	(79.8)
2.50	(63.5)	36	3.09	(78.6)
2.45	(62.0)	40	3.04	(77.3)
2.40	(61.0)	44	2.99	(76.0)
2.35	(59.5)	48	2.94	(74.8)
2.30	(58.5)	52	2.89	(73.5)
2.25	(57.0)	55	2.84	(72.2)
2.20	(56.0)	58	2.79	(71.0)
2.15	(54.5)	61	2.74	(69.7)
2.10	(53.5)	64	2.69	(68.4)
2.05	(52.0)	67	2.64	(67.1)
2.00	(51.0)	70	2.59	(65.9)
1.95	(49.5)	73	2.54	(64.6)
1.90	(48.5)	76	2.49	(63.3)
1.85	(47.0)	79	2.44	(62.1)
1.80	(45.5)	82	2.39	(60.8)
1.75	(44.5)	85	2.34	(59.5)
1.70	(43.0)	88	2.29	(58.3)
1.65	(42.0)	91	2.24	(57.0)
1.60	(40.5)	94	2.19	(55.7)
1.55	(39.5)	97	2.14	(54.4)
1.50	(38.0)	100	2.09	(53.2)
1.45	(37.0)	103	2.04	(51.9)
1.40	(35.5)	106	1.99	(50.6)
1.35	(34.5)	109	1.94	(49.4)
1.30	(33.0)	112	1.89	(48.1)
1.25	(32.0)	115	1.84	(46.8)
1.20	(30.5)	118	1.79	(45.6)
1.15	(29.0)	121	1.74	(44.3)

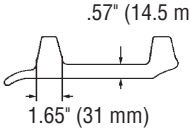
Undercarriage Code: 458, 460, 462, 463, 472, 473

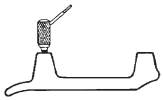
227, 229, 231, 225 S.A., LL225 — 8.00" (203.2 mm)

Track Shoes

Double Grouser





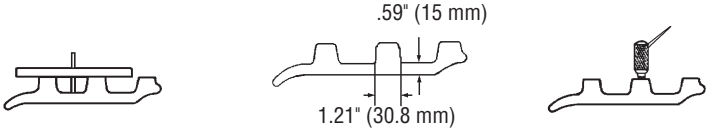


Depth Gauge Inches	Depth Gauge (mm)	High Impact % Worn	Low Impact % Worn	Ultrasonic Inches	Ultrasonic (mm)
1.65	(42.0)	0	0	2.20	(55.9)
1.60	(40.5)	6	5	2.15	(54.6)
1.55	(39.5)	12	10	2.10	(53.3)
1.50	(38.0)	18	15	2.05	(52.1)
1.45	(37.0)	24	20	2.00	(50.8)
1.40	(35.5)	30	25	1.95	(49.5)
1.35	(34.5)	36	30	1.90	(48.3)
1.30	(33.0)	42	35	1.85	(47.0)
1.25	(32.0)	48	40	1.80	(45.7)
1.20	(30.5)	54	44	1.75	(44.5)
1.15	(29.0)	60	48	1.70	(43.2)
1.10	(28.0)	65	52	1.65	(41.9)
1.05	(26.5)	70	56	1.60	(40.6)
1.00	(25.5)	75	60	1.55	(39.4)
0.95	(24.0)	80	64	1.50	(38.1)
0.90	(23.0)	85	68	1.45	(36.8)
0.85	(21.5)	90	72	1.40	(35.6)
0.80	(20.5)	95	76	1.35	(34.3)
0.75	(19.0)	100	80	1.30	(33.0)
0.70	(18.0)	105	84	1.25	(31.8)
0.65	(16.5)	110	88	1.20	(30.5)
0.60	(15.0)	115	92	1.15	(29.2)
0.55	(14.0)	120	96	1.10	(27.9)
0.50	(12.5)		100	1.05	(26.7)
0.45	(11.5)		104	1.00	(25.4)
0.40	(10.0)		108	0.95	(24.1)
0.35	(9.0)		112	0.90	(22.9)
0.30	(7.5)		116	0.85	(21.6)
0.25	(6.5)		120	0.80	(20.3)

Undercarriage Code: 458, 460, 462, 463, 472, 473

Track Shoes

Triple Grouser

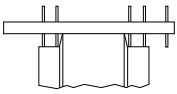


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.05	(26.5)	0	1.65	(41.9)
1.00	(25.5)	10	1.60	(40.6)
0.95	(24.0)	19	1.55	(39.4)
0.90	(23.0)	28	1.50	(38.1)
0.85	(21.5)	37	1.45	(36.8)
0.80	(20.5)	46	1.40	(35.6)
0.75	(19.0)	55	1.35	(34.3)
0.70	(18.0)	64	1.30	(33.0)
0.65	(16.5)	73	1.25	(31.8)
0.60	(15.0)	82	1.20	(30.5)
0.55	(14.0)	91	1.15	(29.2)
0.50	(12.5)	100	1.10	(27.9)
0.45	(11.5)	109	1.05	(26.7)
0.40	(10.0)	118	1.00	(25.4)
0.35	(9.0)	127	0.95	(24.1)

Undercarriage Code: 458, 460, 462, 463, 472, 473

227, 229, 231, 225 S.A., LL225 — 8.00" (203.2 mm)

Idlers





Depth Gauge Inches	(mm)	% Worn
0.88	(22.5)	0
0.90	(23.0)	12
0.92	(23.5)	24
0.94	(24.0)	36
0.96	(24.5)	48
0.98	(25.0)	60
1.00	(25.5)	72
1.02	(26.0)	82
1.04	(26.5)	85
1.06	(27.0)	88
1.08	(27.5)	91
1.10	(28.0)	94
1.12	(28.5)	97
1.14	(29.0)	100
1.16	(29.5)	103
1.18	(30.0)	106
1.20	(30.5)	109
1.22	(31.0)	112
1.24	(31.5)	115
1.26	(32.0)	118
1.28	(32.5)	121

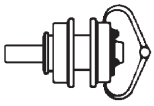
Flange width: 3.75" (95.5 mm)

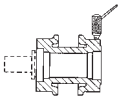
Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.42	(10.7)	0.00	(0.0)
0.40	(10.2)	0.02	(0.5)
0.38	(9.7)	0.04	(1.0)
0.36	(9.1)	0.06	(1.5)
0.34	(8.6)	0.08	(2.0)
0.32	(8.1)	0.10	(2.5)
0.30	(7.6)	0.12	(3.0)
0.28	(7.1)	0.14	(3.5)
0.26	(6.6)	0.16	(4.0)
0.24	(6.1)	0.18	(4.5)
0.22	(5.6)	0.20	(5.0)
0.20	(5.1)	0.22	(5.5)
0.18	(4.6)	0.24	(6.0)
0.16	(4.1)	0.26	(6.5)
0.14	(3.6)	0.28	(7.0)
0.12	(3.0)	0.30	(7.5)
0.10	(2.5)	0.32	(8.0)
0.08	(2.0)	0.34	(8.5)
0.06	(1.5)	0.36	(9.0)
0.04	(1.0)	0.38	(9.5)
0.02	(0.5)	0.40	(10.0)

NOTE: Ultrasonic measurement is to determine flange wear only.

Undercarriage Code: 458, 460, 462, 463, 472, 473

Carrier Rollers





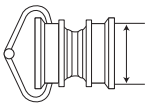
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
7.38	(187.5)	0	1.86	(47.2)
7.34	(186.5)	5	1.84	(46.7)
7.30	(185.5)	10	1.82	(46.2)
7.26	(184.5)	15	1.80	(45.7)
7.22	(183.5)	20	1.78	(45.2)
7.18	(182.5)	25	1.76	(44.7)
7.14	(181.5)	30	1.74	(44.2)
7.10	(180.5)	35	1.72	(43.7)
7.06	(179.5)	40	1.70	(43.2)
7.02	(178.5)	45	1.68	(42.7)
6.98	(177.5)	50	1.66	(42.2)
6.94	(176.5)	55	1.64	(41.7)
6.90	(175.5)	60	1.62	(41.1)
6.86	(174.0)	65	1.60	(40.6)
6.82	(173.0)	70	1.58	(40.1)
6.78	(172.0)	75	1.56	(39.6)
6.74	(171.0)	79	1.54	(39.1)
6.70	(170.0)	82	1.52	(38.6)
6.66	(169.0)	85	1.50	(38.1)
6.62	(168.0)	88	1.48	(37.6)
6.58	(167.0)	91	1.46	(37.1)
6.54	(166.0)	94	1.44	(36.6)
6.50	(165.0)	97	1.42	(36.1)
6.46	(164.0)	100	1.40	(35.6)
6.42	(163.0)	103	1.38	(35.1)
6.38	(162.0)	106	1.36	(34.5)
6.34	(161.0)	109	1.34	(34.0)
6.30	(160.0)	112	1.32	(33.5)
6.26	(159.0)	115	1.30	(33.0)
6.22	(158.0)	118	1.28	(32.5)
6.18	(157.0)	121	1.26	(32.0)

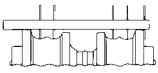
Undercarriage Code: 458, 460, 462, 463, 472, 473

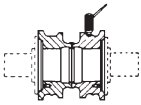
227, 229, 231, 225 S.A., LL225 — 8.00" (203.2 mm)

Track Rollers

8E Rim







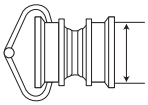
Caliper Inches	Caliper (mm)	% Worn	Depth Gauge Inches	Depth Gauge (mm)	Ultrasonic Inches	Ultrasonic (mm)
6.69	(170.0)	0	0.69	(17.5)	1.73	(43.9)
6.65	(169.0)	5	0.71	(18.0)	1.71	(43.4)
6.61	(168.0)	10	0.73	(18.5)	1.69	(42.9)
6.57	(167.0)	15	0.75	(19.0)	1.67	(42.4)
6.53	(166.0)	20	0.77	(19.5)	1.65	(41.9)
6.49	(165.0)	25	0.79	(20.0)	1.63	(41.4)
6.45	(164.0)	30	0.81	(20.5)	1.61	(40.9)
6.41	(163.0)	35	0.83	(21.0)	1.59	(40.4)
6.37	(162.0)	40	0.85	(21.5)	1.57	(39.9)
6.33	(161.0)	45	0.87	(22.0)	1.55	(39.4)
6.29	(160.0)	50	0.89	(22.5)	1.53	(38.9)
6.25	(159.0)	55	0.91	(23.0)	1.51	(38.4)
6.21	(157.5)	60	0.93	(23.5)	1.49	(37.8)
6.17	(156.5)	65	0.95	(24.0)	1.47	(37.3)
6.13	(155.5)	70	0.97	(24.5)	1.45	(36.8)
6.09	(154.5)	75	0.99	(25.0)	1.43	(36.3)
6.05	(153.5)	80	1.01	(25.5)	1.41	(35.8)
6.01	(152.5)	85	1.03	(26.0)	1.39	(35.3)
5.97	(151.5)	88	1.05	(26.5)	1.37	(34.8)
5.93	(150.5)	91	1.07	(27.0)	1.35	(34.3)
5.89	(149.5)	94	1.09	(27.5)	1.33	(33.8)
5.85	(148.5)	97	1.11	(28.0)	1.31	(33.3)
5.81	(147.5)	100	1.13	(28.5)	1.29	(32.8)
5.77	(146.5)	103	1.15	(29.0)	1.27	(32.3)
5.73	(145.5)	106	1.17	(29.5)	1.25	(31.8)
5.69	(144.5)	109	1.19	(30.0)	1.23	(31.2)
5.65	(143.5)	112	1.21	(30.5)	1.21	(30.7)
5.61	(142.5)	115	1.23	(31.0)	1.19	(30.2)
5.57	(141.5)	118	1.25	(32.0)	1.17	(29.7)
5.53	(140.5)	121	1.27	(32.5)	1.15	(29.2)

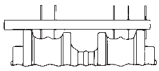
Flange diameter is 8.07" (205 mm)

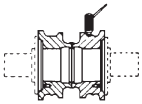
Undercarriage Code: 462, 463, 472, 473

Track Rollers

9G Rim







Caliper Inches	Caliper (mm)	% Worn	Depth Gauge Inches	Depth Gauge (mm)	Ultrasonic Inches	Ultrasonic (mm)
8.25	(209.5)	0	0.74	(19.0)	1.88	(47.8)
8.21	(208.5)	6	0.76	(19.5)	1.86	(47.2)
8.17	(207.5)	12	0.78	(20.0)	1.84	(46.7)
8.13	(206.5)	18	0.80	(20.5)	1.82	(46.2)
8.09	(205.5)	24	0.82	(21.0)	1.80	(45.7)
8.05	(204.5)	30	0.84	(21.5)	1.78	(45.2)
8.01	(203.5)	36	0.86	(22.0)	1.76	(44.7)
7.97	(202.5)	42	0.88	(22.5)	1.74	(44.2)
7.93	(201.5)	48	0.90	(23.0)	1.72	(43.7)
7.89	(200.5)	54	0.92	(23.5)	1.70	(43.2)
7.85	(199.5)	60	0.94	(24.0)	1.68	(42.7)
7.81	(198.5)	66	0.96	(24.5)	1.66	(42.2)
7.77	(197.5)	70	0.98	(25.0)	1.64	(41.7)
7.73	(196.5)	73	1.00	(25.5)	1.62	(41.1)
7.69	(195.5)	76	1.02	(26.0)	1.60	(40.6)
7.65	(194.5)	79	1.04	(26.5)	1.58	(40.1)
7.61	(193.5)	82	1.06	(27.0)	1.56	(39.6)
7.57	(192.5)	85	1.08	(27.5)	1.54	(39.1)
7.53	(191.5)	88	1.10	(28.0)	1.52	(38.6)
7.49	(190.0)	91	1.12	(28.5)	1.50	(38.1)
7.45	(189.0)	94	1.14	(29.0)	1.48	(37.6)
7.41	(188.0)	97	1.16	(29.5)	1.46	(37.1)
7.37	(187.0)	100	1.18	(30.0)	1.44	(36.6)
7.33	(186.0)	103	1.20	(30.5)	1.42	(36.1)
7.29	(185.0)	106	1.22	(31.0)	1.40	(35.6)
7.25	(184.0)	109	1.24	(31.5)	1.38	(35.1)
7.21	(183.0)	112	1.26	(32.0)	1.36	(34.5)
7.17	(182.0)	115	1.28	(32.5)	1.34	(34.0)
7.13	(181.0)	118	1.30	(33.0)	1.32	(33.5)
7.09	(180.0)	121	1.32	(33.5)	1.30	(33.0)

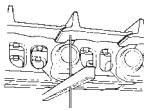
Flange diameter is 9.72" (247 mm)

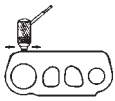
Undercarriage Code: 458, 460

235, LL235 — 8.50" (215.9 mm)

Track Links

8E8641 & 42
130-5333 & 34



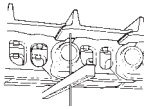


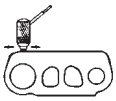
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
5.08	(129.0)	0	1.35	(34.3)
5.06	(128.5)	5	1.33	(33.8)
5.04	(128.0)	10	1.31	(33.3)
5.02	(127.5)	15	1.29	(32.8)
5.00	(127.0)	20	1.27	(32.3)
4.98	(126.5)	25	1.25	(31.8)
4.96	(126.0)	30	1.23	(31.2)
4.94	(125.5)	35	1.21	(30.7)
4.92	(125.0)	40	1.19	(30.2)
4.90	(124.5)	45	1.17	(29.7)
4.88	(124.0)	50	1.15	(29.2)
4.86	(123.5)	55	1.13	(28.7)
4.84	(123.0)	60	1.11	(28.2)
4.82	(122.5)	65	1.09	(27.7)
4.80	(122.0)	70	1.07	(27.2)
4.78	(121.5)	75	1.05	(26.7)
4.76	(121.0)	80	1.03	(26.2)
4.74	(120.5)	84	1.01	(25.7)
4.72	(120.0)	88	0.99	(25.1)
4.70	(119.5)	92	0.97	(24.6)
4.68	(119.0)	96	0.95	(24.1)
4.66	(118.5)	100	0.93	(23.6)
4.64	(118.0)	104	0.91	(23.1)
4.62	(117.5)	108	0.89	(22.6)
4.60	(117.0)	112	0.87	(22.1)
4.58	(116.5)	116	0.85	(21.6)
4.56	(116.0)	120	0.83	(21.1)

Undercarriage Code: 485, 486

Track Links

8S2589 & 90
7T9823 & 24



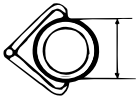


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
4.93	(125.0)	0	1.35	(34.3)
4.91	(124.5)	5	1.33	(33.8)
4.89	(124.0)	10	1.31	(33.3)
4.87	(123.5)	15	1.29	(32.8)
4.85	(123.0)	20	1.27	(32.3)
4.83	(122.5)	25	1.25	(31.8)
4.81	(122.0)	30	1.23	(31.2)
4.79	(121.5)	35	1.21	(30.7)
4.77	(121.0)	40	1.19	(30.2)
4.75	(120.5)	45	1.17	(29.7)
4.73	(120.0)	50	1.15	(29.2)
4.71	(119.5)	55	1.13	(28.7)
4.69	(119.0)	60	1.11	(28.2)
4.67	(118.5)	64	1.09	(27.7)
4.65	(118.0)	68	1.07	(27.2)
4.63	(117.5)	72	1.05	(26.7)
4.61	(117.0)	76	1.03	(26.2)
4.59	(116.5)	80	1.01	(25.7)
4.57	(116.0)	84	0.99	(25.1)
4.55	(115.5)	88	0.97	(24.6)
4.53	(115.0)	92	0.95	(24.1)
4.51	(114.5)	96	0.93	(23.6)
4.49	(114.0)	100	0.91	(23.1)
4.47	(113.5)	104	0.89	(22.6)
4.45	(113.0)	108	0.87	(22.1)
4.43	(112.5)	112	0.85	(21.6)
4.41	(112.0)	116	0.83	(21.1)
4.39	(111.5)	120	0.81	(20.6)

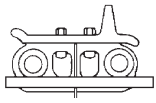
Undercarriage Code: 481, 482, 483, 484

235, LL235 — 8.50" (215.9 mm)

Bushings for Sealed & Lubricated Track





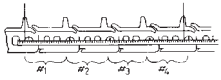


Caliper		Allowable Wear		Ultrasonic		Depth Gauge	
		Lesser	Greater				
Inches	(mm)	% Worn	% Worn	Inches	(mm)	Inches	(mm)
2.93	(74.4)	0	0	0.51	(13.0)	3.65	(92.7)
2.92	(74.2)	6	5	0.50	(12.7)	3.64	(92.5)
2.91	(73.9)	12	10	0.49	(12.4)	3.63	(92.2)
2.90	(73.7)	18	15	0.48	(12.2)	3.62	(91.9)
2.89	(73.4)	24	20	0.47	(11.9)	3.61	(91.7)
2.88	(73.2)	30	25	0.46	(11.7)	3.60	(91.4)
2.87	(72.9)	36	30	0.45	(11.4)	3.59	(91.2)
2.86	(72.6)	42	35	0.44	(11.2)	3.58	(90.9)
2.85	(72.4)	48	40	0.43	(10.9)	3.57	(90.7)
2.84	(72.1)	54	45	0.42	(10.7)	3.56	(90.4)
2.83	(71.9)	60	50	0.41	(10.4)	3.55	(90.2)
2.82	(71.6)	66	55	0.40	(10.2)	3.54	(89.9)
2.81	(71.4)	72	60	0.39	(9.9)	3.53	(89.7)
2.80	(71.1)	78	65	0.38	(9.7)	3.52	(89.4)
2.79	(70.9)	84	70	0.37	(9.4)	3.51	(89.2)
2.78	(70.6)	88	72	0.36	(9.1)	3.50	(88.9)
2.77	(70.4)	91	74	0.35	(8.9)	3.49	(88.6)
2.76	(70.1)	94	76	0.34	(8.6)	3.48	(88.4)
2.75	(69.9)	97	78	0.33	(8.4)	3.47	(88.1)
2.74	(69.6)	100	80	0.32	(8.1)	3.46	(87.9)
2.73	(69.3)	103	82	0.31	(7.9)	3.45	(87.6)
2.72	(69.1)	106	84	0.30	(7.6)	3.44	(87.4)
2.71	(68.8)	109	86	0.29	(7.4)	3.43	(87.1)
2.70	(68.6)	112	88	0.28	(7.1)	3.42	(86.9)
2.69	(68.3)	115	90	0.27	(6.9)	3.41	(86.6)
2.68	(68.1)	118	92	0.26	(6.6)	3.40	(86.4)
2.67	(67.8)	121	94	0.25	(6.3)	3.39	(86.1)
2.66	(67.6)		96	0.24	(6.1)	3.38	(85.9)
2.65	(67.3)		98	0.23	(5.8)	3.37	(85.6)
2.64	(67.1)		100	0.22	(5.6)	3.36	(85.3)
2.63	(66.8)		102	0.21	(5.3)	3.35	(85.1)
2.62	(66.5)		104	0.20	(5.1)	3.34	(84.8)
2.61	(66.3)		106	0.19	(4.8)	3.33	(84.6)
2.60	(66.0)		108	0.18	(4.6)	3.32	(84.3)
2.59	(65.8)		110	0.17	(4.3)	3.31	(84.1)
2.58	(65.5)		112	0.16	(4.1)	3.30	(83.8)
2.57	(65.3)		114	0.15	(3.8)	3.29	(83.6)
2.56	(65.0)		116	0.14	(3.6)	3.28	(83.3)
2.55	(64.8)		118	0.13	(3.3)	3.27	(83.1)
2.54	(64.5)		120	0.12	(3.0)	3.26	(82.8)

Undercarriage Code: 481, 482

Pins and Bushings for Sealed Track

Internal Wear



Inches	(mm)	% Worn
34.05	(865.0)	0
34.10	(866.0)	10
34.15	(867.5)	20
34.20	(868.5)	30
34.25	(870.0)	40
34.30	(871.0)	50
34.35	(872.5)	60
34.40	(874.0)	70
34.45	(875.0)	80
34.50	(876.5)	90
34.55	(877.5)	100
34.60	(879.0)	105
34.65	(880.0)	110
34.70	(881.5)	115
34.75	(882.5)	120

Undercarriage Code: 481, 482, 483, 484, 485, 486

235, LL235 — 8.50" (215.9 mm)

Bushings for Sealed Track

External Wear



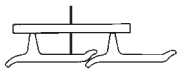


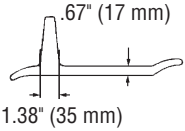
Caliper		Allowable Wear		Ultrasonic	
Inches	(mm)	Lesser % Worn	Greater % Worn	Inches	(mm)
2.83	(71.9)	0	0	0.46	(11.7)
2.82	(71.6)	9	7	0.45	(11.4)
2.81	(71.4)	18	14	0.44	(11.2)
2.80	(71.1)	27	21	0.43	(10.9)
2.79	(70.9)	36	28	0.42	(10.7)
2.78	(70.6)	45	35	0.41	(10.4)
2.77	(70.4)	54	42	0.40	(10.2)
2.76	(70.1)	63	49	0.39	(9.9)
2.75	(69.9)	72	56	0.38	(9.7)
2.74	(69.6)	81	63	0.37	(9.4)
2.73	(69.3)	88	70	0.36	(9.1)
2.72	(69.1)	92	73	0.35	(8.9)
2.71	(68.8)	96	76	0.34	(8.6)
2.70	(68.6)	100	79	0.33	(8.4)
2.69	(68.3)	104	82	0.32	(8.1)
2.68	(68.1)	108	85	0.31	(7.9)
2.67	(67.8)	112	88	0.30	(7.6)
2.66	(67.6)	116	91	0.29	(7.4)
2.65	(67.3)	120	94	0.28	(7.1)
2.64	(67.1)		97	0.27	(6.9)
2.63	(66.8)		100	0.26	(6.6)
2.62	(66.5)		103	0.25	(6.4)
2.61	(66.3)		106	0.24	(6.1)
2.60	(66.0)		109	0.23	(5.8)
2.59	(65.8)		112	0.22	(5.6)
2.58	(65.5)		115	0.21	(5.3)
2.57	(65.3)		118	0.20	(5.1)
2.56	(65.0)		121	0.19	(4.8)

Undercarriage Code: 481, 482, 483, 484, 485, 486

Track Shoes

Extreme Service







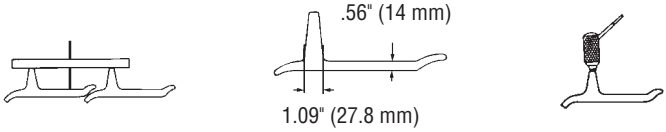
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
2.80	(71.0)	0	3.50	(88.9)
2.70	(68.5)	8	3.40	(86.4)
2.60	(66.0)	16	3.30	(83.8)
2.50	(63.5)	24	3.20	(81.3)
2.40	(61.0)	32	3.10	(78.7)
2.30	(58.5)	40	3.00	(76.2)
2.20	(56.0)	48	2.90	(73.7)
2.10	(53.5)	56	2.80	(71.1)
2.00	(51.0)	64	2.70	(68.6)
1.90	(48.5)	72	2.60	(66.0)
1.80	(45.5)	79	2.50	(63.5)
1.70	(43.0)	86	2.40	(61.0)
1.60	(40.5)	93	2.30	(58.4)
1.50	(38.0)	100	2.20	(55.9)
1.40	(35.5)	107	2.10	(53.3)
1.30	(33.0)	114	2.00	(50.8)
1.20	(30.5)	121	1.90	(48.3)

Undercarriage Code: 481, 482, 483, 484, 485, 486

235, LL235 — 8.50" (215.9 mm)

Track Shoes

Moderate Service

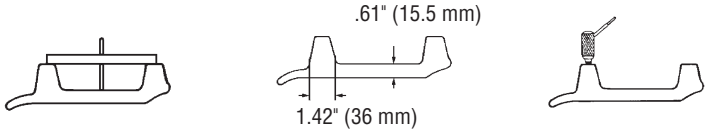


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
2.80	(71.0)	0	3.30	(83.8)
2.70	(68.5)	8	3.20	(81.3)
2.60	(66.0)	16	3.10	(78.7)
2.50	(63.5)	24	3.00	(76.2)
2.40	(61.0)	32	2.90	(73.7)
2.30	(58.5)	40	2.80	(71.1)
2.20	(56.0)	48	2.70	(68.6)
2.10	(53.5)	56	2.60	(66.0)
2.00	(51.0)	64	2.50	(63.5)
1.90	(48.5)	72	2.40	(61.0)
1.80	(45.5)	79	2.30	(58.4)
1.70	(43.0)	86	2.20	(55.9)
1.60	(40.5)	93	2.10	(53.3)
1.50	(38.0)	100	2.00	(50.8)
1.40	(35.5)	107	1.90	(48.3)
1.30	(33.0)	114	1.80	(45.7)
1.20	(30.5)	121	1.70	(43.2)

Undercarriage Code: 485, 486

Track Shoes

Double Grouser
Current



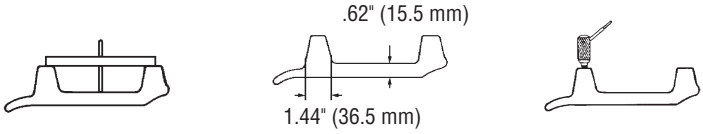
Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
1.95	(49.5)	0	2.55	(64.8)
1.90	(48.5)	5	2.50	(63.5)
1.85	(47.0)	10	2.45	(62.2)
1.80	(45.5)	15	2.40	(61.0)
1.75	(44.5)	20	2.35	(59.7)
1.70	(43.0)	24	2.30	(58.4)
1.65	(42.0)	28	2.25	(57.2)
1.60	(40.5)	32	2.20	(55.9)
1.55	(39.5)	36	2.15	(54.6)
1.50	(38.0)	40	2.10	(53.3)
1.45	(37.0)	44	2.05	(52.1)
1.40	(35.5)	48	2.00	(50.8)
1.35	(34.5)	52	1.95	(49.5)
1.30	(33.0)	56	1.90	(48.3)
1.25	(32.0)	60	1.85	(47.0)
1.20	(30.5)	64	1.80	(45.7)
1.15	(29.0)	68	1.75	(44.5)
1.10	(28.0)	72	1.70	(43.2)
1.05	(26.5)	76	1.65	(41.9)
1.00	(25.5)	80	1.60	(40.6)
0.95	(24.0)	84	1.55	(39.4)
0.90	(23.0)	88	1.50	(38.1)
0.85	(21.5)	92	1.45	(36.8)
0.80	(20.5)	96	1.40	(35.6)
0.75	(19.0)	100	1.35	(34.3)
0.70	(18.0)	104	1.30	(33.0)
0.65	(16.5)	108	1.25	(31.8)
0.60	(15.0)	112	1.20	(30.5)
0.55	(14.0)	116	1.15	(29.2)
0.50	(12.5)	120	1.10	(27.9)

Undercarriage Code: 485, 486

235, LL235 — 8.50" (215.9 mm)

Track Shoes

Double Grouser
Former

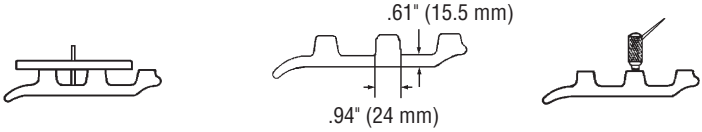


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.50	(38.0)	0	2.10	(53.3)
1.45	(37.0)	7	2.05	(52.1)
1.40	(35.5)	14	2.00	(50.8)
1.35	(34.5)	21	1.95	(49.5)
1.30	(33.0)	28	1.90	(48.3)
1.25	(32.0)	35	1.85	(47.0)
1.20	(30.5)	42	1.80	(45.7)
1.15	(29.0)	49	1.75	(44.5)
1.10	(28.0)	56	1.70	(43.2)
1.05	(26.5)	63	1.65	(41.9)
1.00	(25.5)	70	1.60	(40.6)
0.95	(24.0)	76	1.55	(39.4)
0.90	(23.0)	82	1.50	(38.1)
0.85	(21.5)	88	1.45	(36.8)
0.80	(20.5)	94	1.40	(35.6)
0.75	(19.0)	100	1.35	(34.3)
0.70	(18.0)	106	1.30	(33.0)
0.65	(16.5)	112	1.25	(31.8)
0.60	(15.0)	118	1.20	(30.5)
0.55	(14.0)	124	1.15	(29.2)

Undercarriage Code: 481, 482, 483, 484

Track Shoes

Triple Grouser
7/8" Bolt Holes



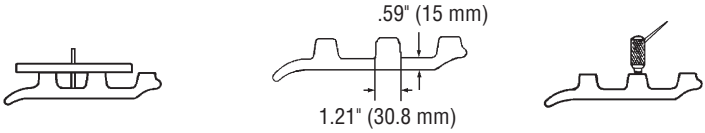
Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
1.35	(34.5)	0	1.95	(49.5)
1.30	(33.0)	6	1.90	(48.2)
1.25	(32.0)	12	1.85	(47.0)
1.20	(30.5)	18	1.80	(45.7)
1.15	(29.0)	24	1.75	(44.4)
1.10	(28.0)	30	1.70	(43.2)
1.05	(26.5)	36	1.65	(41.9)
1.00	(25.5)	42	1.60	(40.6)
0.95	(24.0)	48	1.55	(39.3)
0.90	(23.0)	54	1.50	(38.1)
0.85	(21.5)	60	1.45	(36.8)
0.80	(20.5)	66	1.40	(35.5)
0.75	(19.0)	72	1.35	(34.3)
0.70	(18.0)	78	1.30	(33.0)
0.65	(16.5)	84	1.25	(31.7)
0.60	(15.0)	90	1.20	(30.5)
0.55	(14.0)	95	1.15	(29.2)
0.50	(12.5)	100	1.10	(27.9)
0.45	(11.5)	105	1.05	(26.6)
0.40	(10.0)	110	1.00	(25.4)
0.35	(9.0)	115	0.95	(24.1)
0.30	(7.5)	120	0.90	(22.8)

Undercarriage Code: 483, 484, 485, 486

235, LL235 — 8.50" (215.9 mm)

Track Shoes

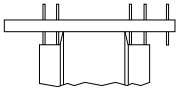
Triple Grouser
3/4" Bolt Holes



Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.05	(26.5)	0	1.65	(41.9)
1.00	(25.5)	10	1.60	(40.6)
0.95	(24.0)	19	1.55	(39.4)
0.90	(23.0)	28	1.50	(38.1)
0.85	(21.5)	37	1.45	(36.8)
0.80	(20.5)	46	1.40	(35.6)
0.75	(19.0)	55	1.35	(34.3)
0.70	(18.0)	64	1.30	(33.0)
0.65	(16.5)	73	1.25	(31.8)
0.60	(15.0)	82	1.20	(30.5)
0.55	(14.0)	91	1.15	(29.2)
0.50	(12.5)	100	1.10	(27.9)
0.45	(11.5)	109	1.05	(26.7)
0.40	(10.0)	118	1.00	(25.4)
0.35	(9.0)	127	0.95	(24.1)

Undercarriage Code: 481, 482

Idlers





Depth Gauge Inches	(mm)	% Worn
0.78	(20.0)	0
0.80	(20.5)	8
0.82	(21.0)	16
0.84	(21.5)	24
0.86	(22.0)	32
0.88	(22.5)	40
0.90	(23.0)	48
0.92	(23.5)	56
0.94	(24.0)	60
0.96	(24.5)	64
0.98	(25.0)	68
1.00	(25.5)	72
1.02	(26.0)	76
1.04	(26.5)	80
1.06	(27.0)	84
1.08	(27.5)	88
1.10	(28.0)	92
1.12	(28.5)	96
1.14	(29.0)	100
1.16	(29.5)	104
1.18	(30.0)	108
1.20	(30.5)	112
1.22	(31.0)	116
1.24	(31.5)	120

Flange width: 4.02" (102 mm)

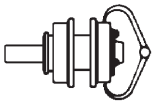
Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.48	(12.2)	0.00	(0.0)
0.46	(11.7)	0.02	(0.5)
0.44	(11.2)	0.04	(1.0)
0.42	(10.7)	0.06	(1.5)
0.40	(10.2)	0.08	(2.0)
0.38	(9.7)	0.10	(2.5)
0.36	(9.1)	0.12	(3.0)
0.34	(8.6)	0.14	(3.5)
0.32	(8.1)	0.16	(4.0)
0.30	(7.6)	0.18	(4.5)
0.28	(7.1)	0.20	(5.0)
0.26	(6.6)	0.22	(5.5)
0.24	(6.1)	0.24	(6.0)
0.22	(5.6)	0.26	(6.5)
0.20	(5.1)	0.28	(7.0)
0.18	(4.6)	0.30	(7.5)
0.16	(4.1)	0.32	(8.0)
0.14	(3.6)	0.34	(8.5)
0.12	(3.0)	0.36	(9.0)
0.10	(2.5)	0.38	(9.5)
0.08	(2.0)	0.40	(10.0)
0.06	(1.5)	0.42	(10.5)
0.04	(1.0)	0.44	(11.0)
0.02	(0.5)	0.46	(11.5)

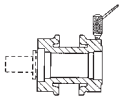
NOTE: Ultrasonic measurement is to determine flange wear only.

Undercarriage Code: 481, 482, 483, 484, 485, 486

235, LL235 — 8.50" (215.9 mm)

Carrier Rollers



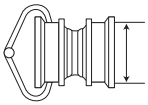


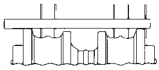
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
7.50	(190.5)	0	1.92	(48.8)
7.46	(189.5)	6	1.90	(48.3)
7.42	(188.5)	12	1.88	(47.8)
7.38	(187.5)	18	1.86	(47.2)
7.34	(186.5)	24	1.84	(46.7)
7.30	(185.5)	30	1.82	(46.2)
7.26	(184.5)	36	1.80	(45.7)
7.22	(183.5)	42	1.78	(45.2)
7.18	(182.5)	48	1.76	(44.7)
7.14	(181.5)	54	1.74	(44.2)
7.10	(180.5)	60	1.72	(43.7)
7.06	(179.5)	66	1.70	(43.2)
7.02	(178.5)	72	1.68	(42.7)
6.98	(177.5)	76	1.66	(42.2)
6.94	(176.5)	80	1.64	(41.7)
6.90	(175.5)	84	1.62	(41.1)
6.86	(174.0)	88	1.60	(40.6)
6.82	(173.0)	92	1.58	(40.1)
6.78	(172.0)	96	1.56	(39.6)
6.74	(171.0)	100	1.54	(39.1)
6.70	(170.0)	104	1.52	(38.6)
6.66	(169.0)	108	1.50	(38.1)
6.62	(168.0)	112	1.48	(37.6)
6.58	(167.0)	116	1.46	(37.1)
6.54	(166.0)	120	1.44	(36.6)

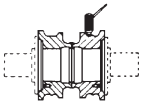
Undercarriage Code: 481, 482, 483, 484, 485, 486

Track Rollers

D7H Roller







Caliper Inches	Caliper (mm)	% Worn	Depth Gauge Inches	Depth Gauge (mm)	Ultrasonic Inches	Ultrasonic (mm)
8.74	(222.0)	0	0.65	(16.5)	1.99	(50.5)
8.70	(221.0)	4	0.67	(17.0)	1.97	(50.0)
8.66	(220.0)	8	0.69	(17.5)	1.95	(49.5)
8.62	(219.0)	12	0.71	(18.0)	1.93	(49.0)
8.58	(218.0)	16	0.73	(18.5)	1.91	(48.5)
8.54	(217.0)	20	0.75	(19.0)	1.89	(48.0)
8.50	(216.0)	24	0.77	(19.5)	1.87	(47.5)
8.46	(215.0)	28	0.79	(20.0)	1.85	(47.0)
8.42	(214.0)	32	0.81	(20.5)	1.83	(46.5)
8.38	(213.0)	36	0.83	(21.0)	1.81	(46.0)
8.34	(212.0)	40	0.85	(21.5)	1.79	(45.5)
8.30	(211.0)	44	0.87	(22.0)	1.77	(45.0)
8.26	(210.0)	48	0.89	(22.5)	1.75	(44.5)
8.22	(209.0)	52	0.91	(23.0)	1.73	(43.9)
8.18	(208.0)	56	0.93	(23.5)	1.71	(43.4)
8.14	(207.0)	60	0.95	(24.0)	1.69	(42.9)
8.10	(205.5)	64	0.97	(24.5)	1.67	(42.4)
8.06	(204.5)	66	0.99	(25.0)	1.65	(41.9)
8.02	(203.5)	68	1.01	(25.5)	1.63	(41.4)
7.98	(202.5)	70	1.03	(26.0)	1.61	(40.9)
7.94	(201.5)	72	1.05	(26.5)	1.59	(40.4)
7.90	(200.5)	74	1.07	(27.0)	1.57	(39.9)
7.86	(199.5)	76	1.09	(27.5)	1.55	(39.4)
7.82	(198.5)	78	1.11	(28.0)	1.53	(38.9)
7.78	(197.5)	80	1.13	(28.5)	1.51	(38.4)
7.74	(196.5)	82	1.15	(29.0)	1.49	(37.8)
7.70	(195.5)	84	1.17	(29.5)	1.47	(37.3)
7.66	(194.5)	86	1.19	(30.0)	1.45	(36.8)
7.62	(193.5)	88	1.21	(30.5)	1.43	(36.3)
7.58	(192.5)	90	1.23	(31.0)	1.41	(35.8)
7.54	(191.5)	92	1.25	(32.0)	1.39	(35.3)
7.50	(190.5)	94	1.27	(32.5)	1.37	(34.8)
7.46	(189.5)	96	1.29	(33.0)	1.35	(34.3)
7.42	(188.5)	98	1.31	(33.5)	1.33	(33.8)
7.38	(187.5)	100	1.33	(34.0)	1.31	(33.3)
7.34	(186.5)	102	1.35	(34.5)	1.29	(32.8)
7.30	(185.5)	104	1.37	(35.0)	1.27	(32.3)
7.26	(184.5)	106	1.39	(35.5)	1.25	(31.8)
7.22	(183.5)	108	1.41	(36.0)	1.23	(31.2)
7.18	(182.5)	110	1.43	(36.5)	1.21	(30.7)
7.14	(181.5)	112	1.45	(37.0)	1.19	(30.2)
7.10	(180.5)	114	1.47	(37.5)	1.17	(29.7)
7.06	(179.5)	116	1.49	(38.0)	1.15	(29.2)
7.02	(178.5)	118	1.51	(38.5)	1.13	(28.7)
6.98	(177.5)	120	1.53	(39.0)	1.11	(28.2)

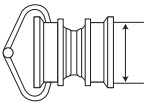
Flange diameter is 10.04" (255 mm)

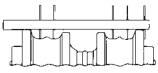
Undercarriage Code: 485

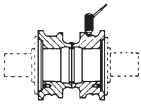
235, LL235 — 8.50" (215.9 mm)

Track Rollers

8E Rim







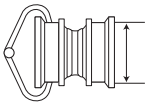
Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
6.69	(170.0)	0	0.69	(17.5)	1.73	(43.9)
6.65	(169.0)	5	0.71	(18.0)	1.71	(43.4)
6.61	(168.0)	10	0.73	(18.5)	1.69	(42.9)
6.57	(167.0)	15	0.75	(19.0)	1.67	(42.4)
6.53	(166.0)	20	0.77	(19.5)	1.65	(41.9)
6.49	(165.0)	25	0.79	(20.0)	1.63	(41.4)
6.45	(164.0)	30	0.81	(20.5)	1.61	(40.9)
6.41	(163.0)	35	0.83	(21.0)	1.59	(40.4)
6.37	(162.0)	40	0.85	(21.5)	1.57	(39.9)
6.33	(161.0)	45	0.87	(22.0)	1.55	(39.4)
6.29	(160.0)	50	0.89	(22.5)	1.53	(38.9)
6.25	(159.0)	55	0.91	(23.0)	1.51	(38.4)
6.21	(157.5)	60	0.93	(23.5)	1.49	(37.8)
6.17	(156.5)	65	0.95	(24.0)	1.47	(37.3)
6.13	(155.5)	70	0.97	(24.5)	1.45	(36.8)
6.09	(154.5)	75	0.99	(25.0)	1.43	(36.3)
6.05	(153.5)	80	1.01	(25.5)	1.41	(35.8)
6.01	(152.5)	85	1.03	(26.0)	1.39	(35.3)
5.97	(151.5)	88	1.05	(26.5)	1.37	(34.8)
5.93	(150.5)	91	1.07	(27.0)	1.35	(34.3)
5.89	(149.5)	94	1.09	(27.5)	1.33	(33.8)
5.85	(148.5)	97	1.11	(28.0)	1.31	(33.3)
5.81	(147.5)	100	1.13	(28.5)	1.29	(32.8)
5.77	(146.5)	103	1.15	(29.0)	1.27	(32.3)
5.73	(145.5)	106	1.17	(29.5)	1.25	(31.8)
5.69	(144.5)	109	1.19	(30.0)	1.23	(31.2)
5.65	(143.5)	112	1.21	(30.5)	1.21	(30.7)
5.61	(142.5)	115	1.23	(31.0)	1.19	(30.2)
5.57	(141.5)	118	1.25	(32.0)	1.17	(29.7)
5.53	(140.5)	121	1.27	(32.5)	1.15	(29.2)

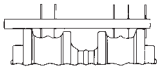
Flange diameter is 8.07" (205 mm)

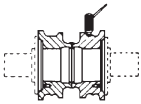
Undercarriage Code: 484, 486

Track Rollers

9W Rim







Caliper Inches	Caliper (mm)	% Worn	Depth Gauge Inches	Depth Gauge (mm)	Ultrasonic Inches	Ultrasonic (mm)
6.61	(168.0)	0	0.73	(18.5)	1.69	(42.9)
6.57	(167.0)	5	0.75	(19.0)	1.67	(42.4)
6.53	(166.0)	10	0.77	(19.5)	1.65	(41.9)
6.49	(165.0)	15	0.79	(20.0)	1.63	(41.4)
6.45	(164.0)	20	0.81	(20.5)	1.61	(40.9)
6.41	(163.0)	25	0.83	(21.0)	1.59	(40.4)
6.37	(162.0)	30	0.85	(21.5)	1.57	(39.9)
6.33	(161.0)	35	0.87	(22.0)	1.55	(39.4)
6.29	(160.0)	40	0.89	(22.5)	1.53	(38.9)
6.25	(159.0)	45	0.91	(23.0)	1.51	(38.4)
6.21	(157.5)	50	0.93	(23.5)	1.49	(37.8)
6.17	(156.5)	55	0.95	(24.0)	1.47	(37.3)
6.13	(155.5)	60	0.97	(24.5)	1.45	(36.8)
6.09	(154.5)	65	0.99	(25.0)	1.43	(36.3)
6.05	(153.5)	70	1.01	(25.5)	1.41	(35.8)
6.01	(152.5)	75	1.03	(26.0)	1.39	(35.3)
5.97	(151.5)	80	1.05	(26.5)	1.37	(34.8)
5.93	(150.5)	85	1.07	(27.0)	1.35	(34.3)
5.89	(149.5)	88	1.09	(27.5)	1.33	(33.8)
5.85	(148.5)	91	1.11	(28.0)	1.31	(33.3)
5.81	(147.5)	94	1.13	(28.5)	1.29	(32.8)
5.77	(146.5)	97	1.15	(29.0)	1.27	(32.3)
5.73	(145.5)	100	1.17	(29.5)	1.25	(31.8)
5.69	(144.5)	103	1.19	(30.0)	1.23	(31.2)
5.65	(143.5)	106	1.21	(30.5)	1.21	(30.7)
5.61	(142.5)	109	1.23	(31.0)	1.19	(30.2)
5.57	(141.5)	112	1.25	(32.0)	1.17	(29.7)
5.53	(140.5)	115	1.27	(32.5)	1.15	(29.2)
5.49	(139.5)	118	1.29	(33.0)	1.13	(28.7)
5.45	(138.5)	121	1.31	(33.5)	1.11	(28.2)

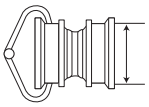
Flange diameter is 8.07" (205 mm)

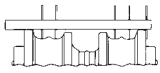
Undercarriage Code: 482, 483

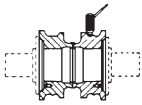
235, LL235 — 8.50" (215.9 mm)

Track Rollers

7T Rim







Caliper Inches	Caliper (mm)	% Worn	Depth Gauge Inches	Depth Gauge (mm)	Ultrasonic Inches	Ultrasonic (mm)
8.74	(222.0)	0	0.75	(19.0)	2.06	(52.3)
8.70	(221.0)	5	0.77	(19.5)	2.04	(51.8)
8.66	(220.0)	10	0.79	(20.0)	2.02	(51.3)
8.62	(219.0)	15	0.81	(20.5)	2.00	(50.8)
8.58	(218.0)	20	0.83	(21.0)	1.98	(50.3)
8.54	(217.0)	25	0.85	(21.5)	1.96	(49.8)
8.50	(216.0)	30	0.87	(22.0)	1.94	(49.3)
8.46	(215.0)	35	0.89	(22.5)	1.92	(48.8)
8.42	(214.0)	40	0.91	(23.0)	1.90	(48.3)
8.38	(213.0)	45	0.93	(23.5)	1.88	(47.8)
8.34	(212.0)	50	0.95	(24.0)	1.86	(47.2)
8.30	(211.0)	55	0.97	(24.5)	1.84	(46.7)
8.26	(210.0)	60	0.99	(25.0)	1.82	(46.2)
8.22	(209.0)	65	1.01	(25.5)	1.80	(45.7)
8.18	(208.0)	70	1.03	(26.0)	1.78	(45.2)
8.14	(207.0)	75	1.05	(26.5)	1.76	(44.7)
8.10	(205.5)	80	1.07	(27.0)	1.74	(44.2)
8.06	(204.5)	85	1.09	(27.5)	1.72	(43.7)
8.02	(203.5)	90	1.11	(28.0)	1.70	(43.2)
7.98	(202.5)	94	1.13	(28.5)	1.68	(42.7)
7.94	(201.5)	96	1.15	(29.0)	1.66	(42.2)
7.90	(200.5)	98	1.17	(29.5)	1.64	(41.7)
7.86	(199.5)	100	1.19	(30.0)	1.62	(41.1)
7.82	(198.5)	102	1.21	(30.5)	1.60	(40.6)
7.78	(197.5)	104	1.23	(31.0)	1.58	(40.1)
7.74	(196.5)	106	1.25	(32.0)	1.56	(39.6)
7.70	(195.5)	108	1.27	(32.5)	1.54	(39.1)
7.66	(194.5)	110	1.29	(33.0)	1.52	(38.6)
7.62	(193.5)	112	1.31	(33.5)	1.50	(38.1)
7.58	(192.5)	114	1.33	(34.0)	1.48	(37.6)
7.54	(191.5)	116	1.35	(34.5)	1.46	(37.1)
7.50	(190.5)	118	1.37	(35.0)	1.44	(36.6)
7.46	(189.5)	120	1.39	(35.5)	1.42	(36.1)

Flange diameter is 10.24" (260 mm)

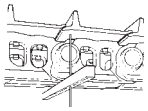
Undercarriage Code: 481

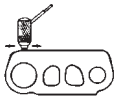
NOTES

235 — 8.00" (203.2 mm)

Track Links

3P1112 & 13



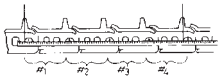


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
4.77	(121.0)	0	1.41	(35.8)
4.75	(120.5)	5	1.39	(35.3)
4.73	(120.0)	10	1.37	(34.8)
4.71	(119.5)	15	1.35	(34.3)
4.69	(119.0)	20	1.33	(33.8)
4.67	(118.5)	25	1.31	(33.3)
4.65	(118.0)	30	1.29	(32.8)
4.63	(117.5)	35	1.27	(32.3)
4.61	(117.0)	40	1.25	(31.8)
4.59	(116.5)	45	1.23	(31.2)
4.57	(116.0)	50	1.21	(30.7)
4.55	(115.5)	55	1.19	(30.2)
4.53	(115.0)	60	1.17	(29.7)
4.51	(114.5)	64	1.15	(29.2)
4.49	(114.0)	68	1.13	(28.7)
4.47	(113.5)	72	1.11	(28.2)
4.45	(113.0)	76	1.09	(27.7)
4.43	(112.5)	80	1.07	(27.2)
4.41	(112.0)	84	1.05	(26.7)
4.39	(111.5)	88	1.03	(26.2)
4.37	(111.0)	92	1.01	(25.7)
4.35	(110.5)	96	0.99	(25.1)
4.33	(110.0)	100	0.97	(24.6)
4.31	(109.5)	104	0.95	(24.1)
4.29	(109.0)	108	0.93	(23.6)
4.27	(108.5)	112	0.91	(23.1)
4.25	(108.0)	116	0.89	(22.6)
4.23	(107.5)	120	0.87	(22.1)

Undercarriage Code: 480

Pins and Bushings for Sealed Track

Internal Wear



Inches	(mm)	% Worn
32.00	(813.0)	0
32.05	(814.0)	10
32.10	(815.5)	20
32.15	(816.5)	30
32.20	(818.0)	40
32.25	(819.0)	50
32.30	(820.5)	60
32.35	(821.5)	70
32.40	(823.0)	80
32.45	(824.0)	90
32.50	(825.5)	100
32.55	(827.0)	105
32.60	(828.0)	110
32.65	(829.5)	115
32.70	(830.5)	120

235 — 8.00" (203.2 mm)

Bushings for Sealed Track

External Wear



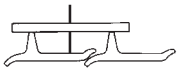


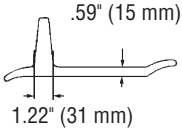
Caliper		Allowable Wear		Ultrasonic	
		Lesser	Greater		
Inches	(mm)	% Worn	% Worn	Inches	(mm)
2.64	(67.1)	0	0	0.42	(10.7)
2.63	(66.8)	9	7	0.41	(10.4)
2.62	(66.5)	18	14	0.40	(10.2)
2.61	(66.3)	27	21	0.39	(9.9)
2.60	(66.0)	36	28	0.38	(9.7)
2.59	(65.8)	45	35	0.37	(9.4)
2.58	(65.5)	54	42	0.36	(9.1)
2.57	(65.3)	63	49	0.35	(8.9)
2.56	(65.0)	72	56	0.34	(8.6)
2.55	(64.8)	81	63	0.33	(8.4)
2.54	(64.5)	88	70	0.32	(8.1)
2.53	(64.3)	92	73	0.31	(7.9)
2.52	(64.0)	96	76	0.30	(7.6)
2.51	(63.8)	100	79	0.29	(7.4)
2.50	(63.5)	104	82	0.28	(7.1)
2.49	(63.2)	108	85	0.27	(6.9)
2.48	(63.0)	112	88	0.26	(6.6)
2.47	(62.7)	116	91	0.25	(6.4)
2.46	(62.5)	120	94	0.24	(6.1)
2.45	(62.2)		97	0.23	(5.8)
2.44	(62.0)		100	0.22	(5.6)
2.43	(61.7)		103	0.21	(5.3)
2.42	(61.5)		106	0.20	(5.1)
2.41	(61.2)		109	0.19	(4.8)
2.40	(61.0)		112	0.18	(4.6)
2.39	(60.7)		115	0.17	(4.3)
2.38	(60.5)		118	0.16	(4.1)
2.37	(60.2)		121	0.15	(3.8)

Undercarriage Code: 480

Track Shoes

Extreme Service







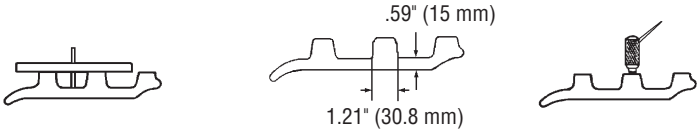
Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
2.95	(75.0)	0	3.54	(90.0)
2.90	(73.5)	4	3.49	(88.7)
2.85	(72.5)	8	3.44	(87.5)
2.80	(71.0)	12	3.39	(86.2)
2.75	(70.0)	16	3.34	(84.9)
2.70	(68.5)	20	3.29	(83.7)
2.65	(67.5)	24	3.24	(82.4)
2.60	(66.0)	28	3.19	(81.1)
2.55	(65.0)	32	3.14	(79.8)
2.50	(63.5)	36	3.09	(78.6)
2.45	(62.0)	40	3.04	(77.3)
2.40	(61.0)	44	2.99	(76.0)
2.35	(59.5)	48	2.94	(74.8)
2.30	(58.5)	52	2.89	(73.5)
2.25	(57.0)	55	2.84	(72.2)
2.20	(56.0)	58	2.79	(71.0)
2.15	(54.5)	61	2.74	(69.7)
2.10	(53.5)	64	2.69	(68.4)
2.05	(52.0)	67	2.64	(67.1)
2.00	(51.0)	70	2.59	(65.9)
1.95	(49.5)	73	2.54	(64.6)
1.90	(48.5)	76	2.49	(63.3)
1.85	(47.0)	79	2.44	(62.1)
1.80	(45.5)	82	2.39	(60.8)
1.75	(44.5)	85	2.34	(59.5)
1.70	(43.0)	88	2.29	(58.3)
1.65	(42.0)	91	2.24	(57.0)
1.60	(40.5)	94	2.19	(55.7)
1.55	(39.5)	97	2.14	(54.4)
1.50	(38.0)	100	2.09	(53.2)
1.45	(37.0)	103	2.04	(51.9)
1.40	(35.5)	106	1.99	(50.6)
1.35	(34.5)	109	1.94	(49.4)
1.30	(33.0)	112	1.89	(48.1)
1.25	(32.0)	115	1.84	(46.8)
1.20	(30.5)	118	1.79	(45.6)
1.15	(29.0)	121	1.74	(44.3)

Undercarriage Code: 480

235 — 8.00" (203.2 mm)

Track Shoes

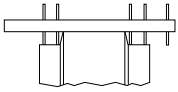
Triple Grouser



Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.05	(26.5)	0	1.65	(41.9)
1.00	(25.5)	10	1.60	(40.6)
0.95	(24.0)	19	1.55	(39.4)
0.90	(23.0)	28	1.50	(38.1)
0.85	(21.5)	37	1.45	(36.8)
0.80	(20.5)	46	1.40	(35.6)
0.75	(19.0)	55	1.35	(34.3)
0.70	(18.0)	64	1.30	(33.0)
0.65	(16.5)	73	1.25	(31.8)
0.60	(15.0)	82	1.20	(30.5)
0.55	(14.0)	91	1.15	(29.2)
0.50	(12.5)	100	1.10	(27.9)
0.45	(11.5)	109	1.05	(26.7)
0.40	(10.0)	118	1.00	(25.4)
0.35	(9.0)	127	0.95	(24.1)

Undercarriage Code: 480

Idlers





Depth Gauge Inches	(mm)	% Worn
0.88	(22.5)	0
0.90	(23.0)	12
0.92	(23.5)	24
0.94	(24.0)	36
0.96	(24.5)	48
0.98	(25.0)	60
1.00	(25.5)	72
1.02	(26.0)	82
1.04	(26.5)	85
1.06	(27.0)	88
1.08	(27.5)	91
1.10	(28.0)	94
1.12	(28.5)	97
1.14	(29.0)	100
1.16	(29.5)	103
1.18	(30.0)	106
1.20	(30.5)	109
1.22	(31.0)	112
1.24	(31.5)	115
1.26	(32.0)	118
1.28	(32.5)	121

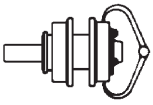
Flange width: 3.75" (95.5 mm)

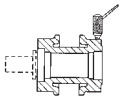
Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.42	(10.7)	0.00	(0.0)
0.40	(10.2)	0.02	(0.5)
0.38	(9.7)	0.04	(1.0)
0.36	(9.1)	0.06	(1.5)
0.34	(8.6)	0.08	(2.0)
0.32	(8.1)	0.10	(2.5)
0.30	(7.6)	0.12	(3.0)
0.28	(7.1)	0.14	(3.5)
0.26	(6.6)	0.16	(4.0)
0.24	(6.1)	0.18	(4.5)
0.22	(5.6)	0.20	(5.0)
0.20	(5.1)	0.22	(5.5)
0.18	(4.6)	0.24	(6.0)
0.16	(4.1)	0.26	(6.5)
0.14	(3.6)	0.28	(7.0)
0.12	(3.0)	0.30	(7.5)
0.10	(2.5)	0.32	(8.0)
0.08	(2.0)	0.34	(8.5)
0.06	(1.5)	0.36	(9.0)
0.04	(1.0)	0.38	(9.5)
0.02	(0.5)	0.40	(10.0)

NOTE: Ultrasonic measurement is to determine flange wear only.

235 — 8.00" (203.2 mm)

Carrier Rollers

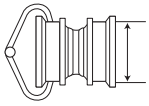
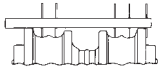
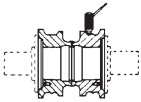




Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
7.38	(187.5)	0	1.86	(47.2)
7.34	(186.5)	5	1.84	(46.7)
7.30	(185.5)	10	1.82	(46.2)
7.26	(184.5)	15	1.80	(45.7)
7.22	(183.5)	20	1.78	(45.2)
7.18	(182.5)	25	1.76	(44.7)
7.14	(181.5)	30	1.74	(44.2)
7.10	(180.5)	35	1.72	(43.7)
7.06	(179.5)	40	1.70	(43.2)
7.02	(178.5)	45	1.68	(42.7)
6.98	(177.5)	50	1.66	(42.2)
6.94	(176.5)	55	1.64	(41.7)
6.90	(175.5)	60	1.62	(41.1)
6.86	(174.0)	65	1.60	(40.6)
6.82	(173.0)	70	1.58	(40.1)
6.78	(172.0)	75	1.56	(39.6)
6.74	(171.0)	79	1.54	(39.1)
6.70	(170.0)	82	1.52	(38.6)
6.66	(169.0)	85	1.50	(38.1)
6.62	(168.0)	88	1.48	(37.6)
6.58	(167.0)	91	1.46	(37.1)
6.54	(166.0)	94	1.44	(36.6)
6.50	(165.0)	97	1.42	(36.1)
6.46	(164.0)	100	1.40	(35.6)
6.42	(163.0)	103	1.38	(35.1)
6.38	(162.0)	106	1.36	(34.5)
6.34	(161.0)	109	1.34	(34.0)
6.30	(160.0)	112	1.32	(33.5)
6.26	(159.0)	115	1.30	(33.0)
6.22	(158.0)	118	1.28	(32.5)
6.18	(157.0)	121	1.26	(32.0)

Undercarriage Code: 480

Track Rollers

Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
8.25	(209.5)	0	0.74	(19.0)	1.88	(47.8)
8.21	(208.5)	6	0.76	(19.5)	1.86	(47.2)
8.17	(207.5)	12	0.78	(20.0)	1.84	(46.7)
8.13	(206.5)	18	0.80	(20.5)	1.82	(46.2)
8.09	(205.5)	24	0.82	(21.0)	1.80	(45.7)
8.05	(204.5)	30	0.84	(21.5)	1.78	(45.2)
8.01	(203.5)	36	0.86	(22.0)	1.76	(44.7)
7.97	(202.5)	42	0.88	(22.5)	1.74	(44.2)
7.93	(201.5)	48	0.90	(23.0)	1.72	(43.7)
7.89	(200.5)	54	0.92	(23.5)	1.70	(43.2)
7.85	(199.5)	60	0.94	(24.0)	1.68	(42.7)
7.81	(198.5)	66	0.96	(24.5)	1.66	(42.2)
7.77	(197.5)	72	0.98	(25.0)	1.64	(41.7)
7.73	(196.5)	78	1.00	(25.5)	1.62	(41.1)
7.69	(195.5)	84	1.02	(26.0)	1.60	(40.6)
7.65	(194.5)	88	1.04	(26.5)	1.58	(40.1)
7.61	(193.5)	91	1.06	(27.0)	1.56	(39.6)
7.57	(192.5)	94	1.08	(27.5)	1.54	(39.1)
7.53	(191.5)	97	1.10	(28.0)	1.52	(38.6)
7.49	(190.0)	100	1.12	(28.5)	1.50	(38.1)
7.45	(189.0)	103	1.14	(29.0)	1.48	(37.6)
7.41	(188.0)	106	1.16	(29.5)	1.46	(37.1)
7.37	(187.0)	109	1.18	(30.0)	1.44	(36.6)
7.33	(186.0)	112	1.20	(30.5)	1.42	(36.1)
7.29	(185.0)	115	1.22	(31.0)	1.40	(35.6)
7.25	(184.0)	118	1.24	(31.5)	1.38	(35.1)
7.21	(183.0)	121	1.26	(32.0)	1.36	(34.5)

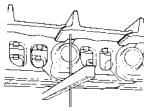
Flange diameter is 9.72" (247 mm)

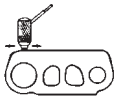
Undercarriage Code: 480

245 — 10.25" (260.4 mm)

Track Links

9S1927 & 28



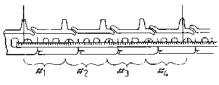


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
6.12	(155.5)	0	1.56	(39.6)
6.10	(155.0)	4	1.54	(39.1)
6.08	(154.5)	8	1.52	(38.6)
6.06	(154.0)	12	1.50	(38.1)
6.04	(153.5)	16	1.48	(37.6)
6.02	(153.0)	20	1.46	(37.1)
6.00	(152.5)	24	1.44	(36.6)
5.98	(152.0)	28	1.42	(36.1)
5.96	(151.5)	32	1.40	(35.6)
5.94	(151.0)	36	1.38	(35.1)
5.92	(150.5)	40	1.36	(34.5)
5.90	(150.0)	44	1.34	(34.0)
5.88	(149.5)	48	1.32	(33.5)
5.86	(149.0)	52	1.30	(33.0)
5.84	(148.5)	56	1.28	(32.5)
5.82	(148.0)	60	1.26	(32.0)
5.80	(147.5)	64	1.24	(31.5)
5.78	(147.0)	68	1.22	(31.0)
5.76	(146.5)	72	1.20	(30.5)
5.74	(146.0)	76	1.18	(30.0)
5.72	(145.5)	80	1.16	(29.5)
5.70	(145.0)	84	1.14	(29.0)
5.68	(144.5)	88	1.12	(28.4)
5.66	(144.0)	92	1.10	(27.9)
5.64	(143.5)	96	1.08	(27.4)
5.62	(142.5)	100	1.06	(26.9)
5.60	(142.0)	103	1.04	(26.4)
5.58	(141.5)	106	1.02	(25.9)
5.56	(141.0)	109	1.00	(25.4)
5.54	(140.5)	112	0.98	(24.9)
5.52	(140.0)	115	0.96	(24.4)
5.50	(139.5)	118	0.94	(23.9)
5.48	(139.0)	121	0.92	(23.4)

Undercarriage Code: 491, 492, 493

Pins and Bushings for Sealed Track

Internal Wear



Inches	(mm)	% Worn
41.05	(1042.5)	0
41.10	(1044.0)	10
41.15	(1045.0)	20
41.20	(1046.5)	30
41.25	(1048.0)	40
41.30	(1049.0)	50
41.35	(1050.5)	60
41.40	(1051.5)	70
41.45	(1053.0)	80
41.50	(1054.0)	90
41.55	(1055.5)	100
41.60	(1056.5)	105
41.65	(1058.0)	110
41.70	(1059.0)	115
41.75	(1060.5)	120

Undercarriage Code: 491, 492, 493

245 — 10.25" (260.4 mm)

Bushings for Sealed Track

External Wear



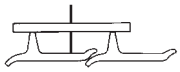


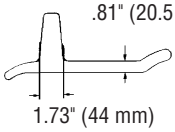
Caliper Inches	Caliper (mm)	Allowable Wear Lesser % Worn	Allowable Wear Greater % Worn	Ultrasonic Inches	Ultrasonic (mm)
3.39	(86.2)	0	0	0.55	(14.0)
3.38	(86.0)	9	7	0.54	(13.7)
3.37	(85.7)	18	14	0.53	(13.5)
3.36	(85.5)	27	21	0.52	(13.2)
3.35	(85.2)	36	28	0.51	(13.0)
3.34	(85.0)	45	35	0.50	(12.7)
3.33	(84.7)	54	42	0.49	(12.4)
3.32	(84.4)	63	49	0.48	(12.2)
3.31	(84.2)	72	56	0.47	(11.9)
3.30	(83.9)	81	63	0.46	(11.7)
3.29	(83.7)	88	70	0.45	(11.4)
3.28	(83.4)	92	73	0.44	(11.2)
3.27	(83.2)	96	76	0.43	(10.9)
3.26	(82.9)	100	79	0.42	(10.7)
3.25	(82.7)	104	82	0.41	(10.4)
3.24	(82.4)	108	85	0.40	(10.2)
3.23	(82.2)	112	88	0.39	(9.9)
3.22	(81.9)	116	91	0.38	(9.7)
3.21	(81.6)	120	94	0.37	(9.4)
3.20	(81.4)		97	0.36	(9.1)
3.19	(81.1)		100	0.35	(8.9)
3.18	(80.9)		103	0.34	(8.6)
3.17	(80.6)		106	0.33	(8.4)
3.16	(80.4)		109	0.32	(8.1)
3.15	(80.1)		112	0.31	(7.9)
3.14	(79.9)		115	0.30	(7.6)
3.13	(79.6)		118	0.29	(7.4)
3.12	(79.4)		121	0.28	(7.1)

Undercarriage Code: 491, 492, 493

Track Shoes

Extreme Service







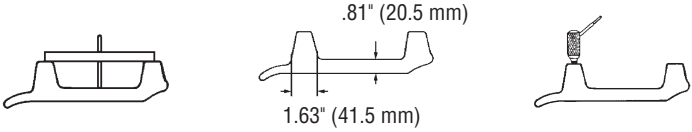
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
3.70	(94.0)	0	4.50	(114.3)
3.60	(91.5)	5	4.40	(111.8)
3.50	(89.0)	10	4.30	(109.2)
3.40	(86.5)	15	4.20	(106.7)
3.30	(84.0)	20	4.10	(104.1)
3.20	(81.5)	25	4.00	(101.6)
3.10	(78.5)	30	3.90	(99.1)
3.00	(76.0)	35	3.80	(96.5)
2.90	(73.5)	40	3.70	(94.0)
2.80	(71.0)	45	3.60	(91.4)
2.70	(68.5)	50	3.50	(88.9)
2.60	(66.0)	55	3.40	(86.4)
2.50	(63.5)	60	3.30	(83.8)
2.40	(61.0)	64	3.20	(81.3)
2.30	(58.5)	68	3.10	(78.7)
2.20	(56.0)	72	3.00	(76.2)
2.10	(53.5)	76	2.90	(73.7)
2.00	(51.0)	80	2.80	(71.1)
1.90	(48.5)	84	2.70	(68.6)
1.80	(45.5)	88	2.60	(66.0)
1.70	(43.0)	92	2.50	(63.5)
1.60	(40.5)	96	2.40	(61.0)
1.50	(38.0)	100	2.30	(58.4)
1.40	(35.5)	104	2.20	(55.9)
1.30	(33.0)	108	2.10	(53.3)
1.20	(30.5)	112	2.00	(50.8)
1.10	(28.0)	116	1.90	(48.3)
1.00	(25.5)	120	1.80	(45.7)

Undercarriage Code: 491, 492, 493

245 — 10.25" (260.4 mm)

Track Shoes

Double Grouser

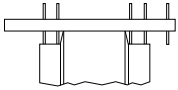


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.90	(48.5)	0	2.70	(68.6)
1.85	(47.0)	5	2.65	(67.3)
1.80	(45.5)	10	2.60	(66.0)
1.75	(44.5)	15	2.55	(64.8)
1.70	(43.0)	20	2.50	(63.5)
1.65	(42.0)	25	2.45	(62.2)
1.60	(40.5)	30	2.40	(61.0)
1.55	(39.5)	35	2.35	(59.7)
1.50	(38.0)	40	2.30	(58.4)
1.45	(37.0)	45	2.25	(57.2)
1.40	(35.5)	50	2.20	(55.9)
1.35	(34.5)	55	2.15	(54.6)
1.30	(33.0)	60	2.10	(53.3)
1.25	(32.0)	65	2.05	(52.1)
1.20	(30.5)	70	2.00	(50.8)
1.15	(29.0)	75	1.95	(49.5)
1.10	(28.0)	80	1.90	(48.3)
1.05	(26.5)	84	1.85	(47.0)
1.00	(25.5)	88	1.80	(45.7)
0.95	(24.0)	92	1.75	(44.5)
0.90	(23.0)	96	1.70	(43.2)
0.85	(21.5)	100	1.65	(41.9)
0.80	(20.5)	104	1.60	(40.6)
0.75	(19.0)	108	1.55	(39.4)
0.70	(18.0)	112	1.50	(38.1)
0.65	(16.5)	116	1.45	(36.8)
0.60	(15.0)	120	1.40	(35.6)

Undercarriage Code: 491, 492, 493

Idlers

Single Web Cast



Depth Gauge Inches	(mm)	% Worn
0.84	(21.5)	0
0.86	(22.0)	4
0.88	(22.5)	8
0.90	(23.0)	12
0.92	(23.5)	16
0.94	(24.0)	20
0.96	(24.5)	24
0.98	(25.0)	28
1.00	(25.5)	32
1.02	(26.0)	36
1.04	(26.5)	40
1.06	(27.0)	44
1.08	(27.5)	48
1.10	(28.0)	52
1.12	(28.5)	56
1.14	(29.0)	60
1.16	(29.5)	64
1.18	(30.0)	68
1.20	(30.5)	72
1.22	(31.0)	76
1.24	(31.5)	78
1.26	(32.0)	80
1.28	(32.5)	82
1.30	(33.0)	84
1.32	(33.5)	86
1.34	(34.0)	88
1.36	(34.5)	90
1.38	(35.0)	92
1.40	(35.5)	94
1.42	(36.0)	96
1.44	(36.5)	98
1.46	(37.0)	100
1.48	(37.5)	102
1.50	(38.0)	104
1.52	(38.5)	106
1.54	(39.0)	108
1.56	(39.5)	110
1.58	(40.0)	112
1.60	(40.5)	114
1.62	(41.0)	116
1.64	(41.5)	118
1.66	(42.0)	120

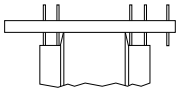
Flange width: 4.02" (102 mm)

Undercarriage Code: 493

245 — 10.25" (260.4 mm)

Idlers

Fabricated





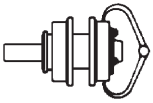
Depth Gauge Inches	(mm)	% Worn
0.94	(24.0)	0
0.96	(24.5)	9
0.98	(25.0)	18
1.00	(25.5)	27
1.02	(26.0)	36
1.04	(26.5)	45
1.06	(27.0)	54
1.08	(27.5)	63
1.10	(28.0)	72
1.12	(28.5)	80
1.14	(29.0)	82
1.16	(29.5)	84
1.18	(30.0)	86
1.20	(30.5)	88
1.22	(31.0)	90
1.24	(31.5)	92
1.26	(32.0)	94
1.28	(32.5)	96
1.30	(33.0)	98
1.32	(33.5)	100
1.34	(34.0)	102
1.36	(34.5)	104
1.38	(35.0)	106
1.40	(35.5)	108
1.42	(36.0)	110
1.44	(36.5)	112
1.46	(37.0)	114
1.48	(37.5)	116
1.50	(38.0)	118
1.52	(38.5)	120

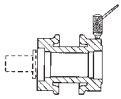
Flange width: 4.04" (102.6 mm)

Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.48	(12.2)	0.00	(0.0)
0.46	(11.7)	0.02	(0.5)
0.44	(11.2)	0.04	(1.0)
0.42	(10.7)	0.06	(1.5)
0.40	(10.2)	0.08	(2.0)
0.38	(9.7)	0.10	(2.5)
0.36	(9.1)	0.12	(3.0)
0.34	(8.6)	0.14	(3.5)
0.32	(8.1)	0.16	(4.0)
0.30	(7.6)	0.18	(4.5)
0.28	(7.1)	0.20	(5.0)
0.26	(6.6)	0.22	(5.5)
0.24	(6.1)	0.24	(6.0)
0.22	(5.6)	0.26	(6.5)
0.20	(5.1)	0.28	(7.0)
0.18	(4.6)	0.30	(7.5)
0.16	(4.1)	0.32	(8.0)
0.14	(3.6)	0.34	(8.5)
0.12	(3.0)	0.36	(9.0)
0.10	(2.5)	0.38	(9.5)
0.08	(2.0)	0.40	(10.0)
0.06	(1.5)	0.42	(10.5)
0.04	(1.0)	0.44	(11.0)
0.02	(0.5)	0.46	(11.5)

Undercarriage Code: 491, 492

Carrier Rollers





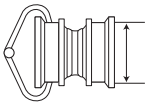
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
7.50	(190.5)	0	1.92	(48.8)
7.46	(189.5)	5	1.90	(48.3)
7.42	(188.5)	10	1.88	(47.8)
7.38	(187.5)	15	1.86	(47.2)
7.34	(186.5)	20	1.84	(46.7)
7.30	(185.5)	25	1.82	(46.2)
7.26	(184.5)	30	1.80	(45.7)
7.22	(183.5)	35	1.78	(45.2)
7.18	(182.5)	40	1.76	(44.7)
7.14	(181.5)	45	1.74	(44.2)
7.10	(180.5)	50	1.72	(43.7)
7.06	(179.5)	55	1.70	(43.2)
7.02	(178.5)	60	1.68	(42.7)
6.98	(177.5)	65	1.66	(42.2)
6.94	(176.5)	70	1.64	(41.7)
6.90	(175.5)	75	1.62	(41.1)
6.86	(174.0)	79	1.60	(40.6)
6.82	(173.0)	82	1.58	(40.1)
6.78	(172.0)	85	1.56	(39.6)
6.74	(171.0)	88	1.54	(39.1)
6.70	(170.0)	91	1.52	(38.6)
6.66	(169.0)	94	1.50	(38.1)
6.62	(168.0)	97	1.48	(37.6)
6.58	(167.0)	100	1.46	(37.1)
6.54	(166.0)	103	1.44	(36.6)
6.50	(165.0)	106	1.42	(36.1)
6.46	(164.0)	109	1.40	(35.6)
6.42	(163.0)	112	1.38	(35.1)
6.38	(162.0)	115	1.36	(34.5)
6.34	(161.0)	118	1.34	(34.0)
6.30	(160.0)	121	1.32	(33.5)

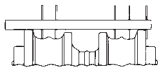
Undercarriage Code: 491, 492, 493

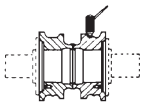
245 — 10.25" (260.4 mm)

Track Rollers

8E Rim







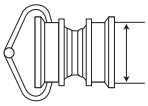
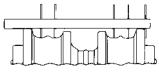
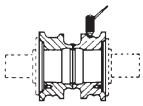
Caliper Inches	Caliper (mm)	% Worn	Depth Gauge Inches	Depth Gauge (mm)	Ultrasonic Inches	Ultrasonic (mm)
9.84	(250.0)	0	0.78	(20.0)	2.87	(72.9)
9.80	(249.0)	4	0.80	(20.5)	2.85	(72.4)
9.76	(248.0)	8	0.82	(21.0)	2.83	(71.9)
9.72	(247.0)	12	0.84	(21.5)	2.81	(71.4)
9.68	(246.0)	16	0.86	(22.0)	2.79	(70.9)
9.64	(245.0)	20	0.88	(22.5)	2.77	(70.4)
9.60	(244.0)	24	0.90	(23.0)	2.75	(69.9)
9.56	(243.0)	28	0.92	(23.5)	2.73	(69.3)
9.52	(242.0)	32	0.94	(24.0)	2.71	(68.8)
9.48	(241.0)	36	0.96	(24.5)	2.69	(68.3)
9.44	(240.0)	40	0.98	(25.0)	2.67	(67.8)
9.40	(239.0)	44	1.00	(25.5)	2.65	(67.3)
9.36	(237.5)	48	1.02	(26.0)	2.63	(66.8)
9.32	(236.5)	52	1.04	(26.5)	2.61	(66.3)
9.28	(235.5)	56	1.06	(27.0)	2.59	(65.8)
9.24	(234.5)	60	1.08	(27.5)	2.57	(65.3)
9.20	(233.5)	64	1.10	(28.0)	2.55	(64.8)
9.16	(232.5)	68	1.12	(28.5)	2.53	(64.3)
9.12	(231.5)	72	1.14	(29.0)	2.51	(63.8)
9.08	(230.5)	76	1.16	(29.5)	2.49	(63.2)
9.04	(229.5)	80	1.18	(30.0)	2.47	(62.7)
9.00	(228.5)	84	1.20	(30.5)	2.45	(62.2)
8.96	(227.5)	88	1.22	(31.0)	2.43	(61.7)
8.92	(226.5)	92	1.24	(31.5)	2.41	(61.2)
8.88	(225.5)	96	1.26	(32.0)	2.39	(60.7)
8.84	(224.5)	100	1.28	(32.5)	2.37	(60.2)
8.80	(223.5)	103	1.30	(33.0)	2.35	(59.7)
8.76	(222.5)	106	1.32	(33.5)	2.33	(59.2)
8.72	(221.5)	109	1.34	(34.0)	2.31	(58.7)
8.68	(220.5)	112	1.36	(34.5)	2.29	(58.2)
8.64	(219.5)	115	1.38	(35.0)	2.27	(57.7)
8.60	(218.5)	118	1.40	(35.5)	2.25	(57.2)
8.56	(217.5)	121	1.42	(36.0)	2.23	(56.6)

Flange diameter is 11.42" (290 mm)

Undercarriage Code: 492, 493

Track Rollers

9G Rim

Caliper Inches	Caliper (mm)	% Worn	Depth Gauge Inches	Depth Gauge (mm)	Ultrasonic Inches	Ultrasonic (mm)
9.56	(243.0)	0	0.88	(22.5)	2.40	(61.0)
9.52	(242.0)	4	0.90	(23.0)	2.38	(60.5)
9.48	(241.0)	8	0.92	(23.5)	2.36	(59.9)
9.44	(240.0)	12	0.94	(24.0)	2.34	(59.4)
9.40	(239.0)	16	0.96	(24.5)	2.32	(58.9)
9.36	(237.5)	20	0.98	(25.0)	2.30	(58.4)
9.32	(236.5)	24	1.00	(25.5)	2.28	(57.9)
9.28	(235.5)	28	1.02	(26.0)	2.26	(57.4)
9.24	(234.5)	32	1.04	(26.5)	2.24	(56.9)
9.20	(233.5)	36	1.06	(27.0)	2.22	(56.4)
9.16	(232.5)	40	1.08	(27.5)	2.20	(55.9)
9.12	(231.5)	44	1.10	(28.0)	2.18	(55.4)
9.08	(230.5)	48	1.12	(28.5)	2.16	(54.9)
9.04	(229.5)	52	1.14	(29.0)	2.14	(54.4)
9.00	(228.5)	56	1.16	(29.5)	2.12	(53.8)
8.96	(227.5)	60	1.18	(30.0)	2.10	(53.3)
8.92	(226.5)	64	1.20	(30.5)	2.08	(52.8)
8.88	(225.5)	68	1.22	(31.0)	2.06	(52.3)
8.84	(224.5)	72	1.24	(31.5)	2.04	(51.8)
8.80	(223.5)	76	1.26	(32.0)	2.02	(51.3)
8.76	(222.5)	80	1.28	(32.5)	2.00	(50.8)
8.72	(221.5)	84	1.30	(33.0)	1.98	(50.3)
8.68	(220.5)	88	1.32	(33.5)	1.96	(49.8)
8.64	(219.5)	92	1.34	(34.0)	1.94	(49.3)
8.60	(218.5)	96	1.36	(34.5)	1.92	(48.8)
8.56	(217.5)	100	1.38	(35.0)	1.90	(48.3)
8.52	(216.5)	103	1.40	(35.5)	1.88	(47.8)
8.48	(215.5)	106	1.42	(36.0)	1.86	(47.2)
8.44	(214.5)	109	1.44	(36.5)	1.84	(46.7)
8.40	(213.5)	112	1.46	(37.0)	1.82	(46.2)
8.36	(212.5)	115	1.48	(37.5)	1.80	(45.7)
8.32	(211.5)	118	1.50	(38.0)	1.78	(45.2)
8.28	(210.5)	121	1.52	(38.5)	1.76	(44.7)

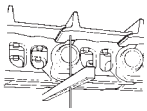
Flange diameter is 11.31" (287 mm)

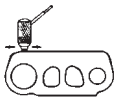
Undercarriage Code: 491

245 — 9.00" (228.6 mm)

Track Links

8K4754 & 56
9G6083 & 84





Depth Gauge			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
5.41	(137.5)	0	1.61	(40.9)
5.39	(137.0)	4	1.59	(40.4)
5.37	(136.5)	8	1.57	(39.9)
5.35	(136.0)	12	1.55	(39.4)
5.33	(135.5)	16	1.53	(38.9)
5.31	(135.0)	20	1.51	(38.4)
5.29	(134.5)	24	1.49	(37.8)
5.27	(134.0)	28	1.47	(37.3)
5.25	(133.5)	32	1.45	(36.8)
5.23	(133.0)	36	1.43	(36.3)
5.21	(132.5)	40	1.41	(35.8)
5.19	(132.0)	44	1.39	(35.3)
5.17	(131.5)	48	1.37	(34.8)
5.15	(131.0)	52	1.35	(34.3)
5.13	(130.5)	56	1.33	(33.8)
5.11	(130.0)	60	1.31	(33.3)
5.09	(129.5)	64	1.29	(32.8)
5.07	(129.0)	68	1.27	(32.3)
5.05	(128.5)	72	1.25	(31.8)
5.03	(128.0)	76	1.23	(31.2)
5.01	(127.5)	80	1.21	(30.7)
4.99	(126.5)	84	1.19	(30.2)
4.97	(126.0)	88	1.17	(29.7)
4.95	(125.5)	91	1.15	(29.2)
4.93	(125.0)	94	1.13	(28.7)
4.91	(124.5)	97	1.11	(28.2)
4.89	(124.0)	100	1.09	(27.7)
4.87	(123.5)	103	1.07	(27.2)
4.85	(123.0)	106	1.05	(26.7)
4.83	(122.5)	109	1.03	(26.2)
4.81	(122.0)	112	1.01	(25.7)
4.79	(121.5)	115	0.99	(25.1)
4.77	(121.0)	118	0.97	(24.6)
4.75	(120.5)	121	0.95	(24.1)

Undercarriage Code: 490

Pins and Bushings for Sealed Track

Internal Wear



Inches	(mm)	% Worn
36.05	(915.5)	0
36.10	(917.0)	10
36.15	(918.0)	20
36.20	(919.5)	30
36.25	(920.5)	40
36.30	(922.0)	50
36.35	(923.5)	60
36.40	(924.5)	70
36.45	(926.0)	80
36.50	(927.0)	90
36.55	(928.5)	100
36.60	(929.5)	105
36.65	(931.0)	110
36.70	(932.0)	115
36.75	(933.5)	120

Undercarriage Code: 490

Bushings for Sealed Track

External Wear



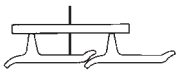


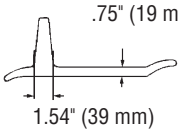
Caliper Inches	Caliper (mm)	Allowable Wear Lesser % Worn	Allowable Wear Greater % Worn	Ultrasonic Inches	Ultrasonic (mm)
3.04	(77.2)	0	0	0.49	(12.4)
3.03	(77.0)	10	7	0.48	(12.2)
3.02	(76.7)	20	14	0.47	(11.9)
3.01	(76.5)	30	21	0.46	(11.7)
3.00	(76.2)	40	28	0.45	(11.4)
2.99	(75.9)	50	35	0.44	(11.2)
2.98	(75.7)	60	42	0.43	(10.9)
2.97	(75.4)	70	49	0.42	(10.7)
2.96	(75.2)	80	56	0.41	(10.4)
2.95	(74.9)	90	63	0.40	(10.2)
2.94	(74.7)	95	70	0.39	(9.9)
2.93	(74.4)	100	77	0.38	(9.7)
2.92	(74.2)	105	82	0.37	(9.4)
2.91	(73.9)	110	85	0.36	(9.1)
2.90	(73.7)	115	88	0.35	(8.9)
2.89	(73.4)	120	91	0.34	(8.6)
2.88	(73.2)		94	0.33	(8.4)
2.87	(72.9)		97	0.32	(8.1)
2.86	(72.6)		100	0.31	(7.9)
2.85	(72.4)		103	0.30	(7.6)
2.84	(72.1)		106	0.29	(7.4)
2.83	(71.9)		109	0.28	(7.1)
2.82	(71.6)		112	0.27	(6.9)
2.81	(71.4)		115	0.26	(6.6)
2.80	(71.1)		118	0.25	(6.3)
2.79	(70.9)		121	0.24	(6.1)

Undercarriage Code: 490

Track Shoes

Extreme Service







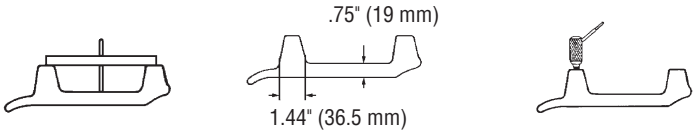
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
3.10	(78.5)	0	3.85	(97.8)
3.00	(76.0)	7	3.75	(95.3)
2.90	(73.5)	14	3.65	(92.7)
2.80	(71.0)	21	3.55	(90.2)
2.70	(68.5)	28	3.45	(87.6)
2.60	(66.0)	34	3.35	(85.1)
2.50	(63.5)	40	3.25	(82.6)
2.40	(61.0)	46	3.15	(80.0)
2.30	(58.5)	52	3.05	(77.5)
2.20	(56.0)	58	2.95	(74.9)
2.10	(53.5)	64	2.85	(72.4)
2.00	(51.0)	70	2.75	(69.9)
1.90	(48.5)	76	2.65	(67.3)
1.80	(45.5)	82	2.55	(64.8)
1.70	(43.0)	88	2.45	(62.2)
1.60	(40.5)	94	2.35	(59.7)
1.50	(38.0)	100	2.25	(57.2)
1.40	(35.5)	106	2.15	(54.6)
1.30	(33.0)	112	2.05	(52.1)
1.20	(30.5)	118	1.95	(49.5)
1.10	(28.0)	124	1.85	(47.0)

Undercarriage Code: 490

245 — 9.00" (228.6 mm)

Track Shoes

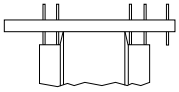
Double Grouser



Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.75	(44.5)	0	2.50	(63.5)
1.70	(43.0)	6	2.45	(62.2)
1.65	(42.0)	12	2.40	(61.0)
1.60	(40.5)	18	2.35	(59.7)
1.55	(39.5)	24	2.30	(58.4)
1.50	(38.0)	30	2.25	(57.2)
1.45	(37.0)	36	2.20	(55.9)
1.40	(35.5)	42	2.15	(54.6)
1.35	(34.5)	48	2.10	(53.3)
1.30	(33.0)	54	2.05	(52.1)
1.25	(32.0)	60	2.00	(50.8)
1.20	(30.5)	65	1.95	(49.5)
1.15	(29.0)	70	1.90	(48.3)
1.10	(28.0)	75	1.85	(47.0)
1.05	(26.5)	80	1.80	(45.7)
1.00	(25.5)	85	1.75	(44.5)
0.95	(24.0)	90	1.70	(43.2)
0.90	(23.0)	95	1.65	(41.9)
0.85	(21.5)	100	1.60	(40.6)
0.80	(20.5)	105	1.55	(39.4)
0.75	(19.0)	110	1.50	(38.1)
0.70	(18.0)	115	1.45	(36.8)
0.65	(16.5)	120	1.40	(35.6)

Undercarriage Code: 490

Idlers





Depth Gauge Inches	(mm)	% Worn
0.94	(24.0)	0
0.96	(24.5)	9
0.98	(25.0)	18
1.00	(25.5)	27
1.02	(26.0)	36
1.04	(26.5)	45
1.06	(27.0)	54
1.08	(27.5)	63
1.10	(28.0)	72
1.12	(28.5)	80
1.14	(29.0)	82
1.16	(29.5)	84
1.18	(30.0)	86
1.20	(30.5)	88
1.22	(31.0)	90
1.24	(31.5)	92
1.26	(32.0)	94
1.28	(32.5)	96
1.30	(33.0)	98
1.32	(33.5)	100
1.34	(34.0)	103
1.36	(34.5)	104
1.38	(35.0)	106
1.40	(35.5)	108
1.42	(36.0)	110
1.44	(36.5)	112
1.46	(37.0)	114
1.48	(37.5)	116
1.50	(38.0)	118
1.52	(38.5)	120

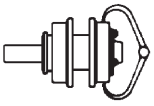
Flange width: 4.75" (120.7 mm)

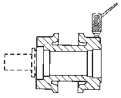
Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.48	(12.2)	0.00	(0.0)
0.46	(11.7)	0.02	(0.5)
0.44	(11.2)	0.04	(1.0)
0.42	(10.7)	0.06	(1.5)
0.40	(10.2)	0.08	(2.0)
0.38	(9.7)	0.10	(2.5)
0.36	(9.1)	0.12	(3.0)
0.34	(8.6)	0.14	(3.5)
0.32	(8.1)	0.16	(4.0)
0.30	(7.6)	0.18	(4.5)
0.28	(7.1)	0.20	(5.0)
0.26	(6.6)	0.22	(5.5)
0.24	(6.1)	0.24	(6.0)
0.22	(5.6)	0.26	(6.5)
0.20	(5.1)	0.28	(7.0)
0.18	(4.6)	0.30	(7.5)
0.16	(4.1)	0.32	(8.0)
0.14	(3.6)	0.34	(8.5)
0.12	(3.0)	0.36	(9.0)
0.10	(2.5)	0.38	(9.5)
0.08	(2.0)	0.40	(10.0)
0.06	(1.5)	0.42	(10.5)
0.04	(1.0)	0.44	(11.0)
0.02	(0.5)	0.46	(11.5)

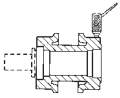
NOTE: Ultrasonic measurement is to determine flange wear only.

245 — 9.00" (228.6 mm)

Carrier Rollers



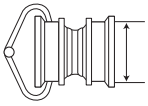
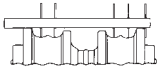
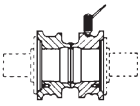




Caliper Inches	Caliper (mm)	% Worn	Ultrasonic Three End Cap Bolts Inches	Ultrasonic Three End Cap Bolts (mm)	Ultrasonic Four End Cap Bolts Inches	Ultrasonic Four End Cap Bolts (mm)
7.50	(190.5)	0	1.92	(48.8)	1.44	(36.5)
7.46	(189.5)	5	1.90	(48.3)	1.42	(35.9)
7.42	(188.5)	10	1.88	(47.8)	1.40	(35.4)
7.38	(187.5)	15	1.86	(47.2)	1.38	(34.9)
7.34	(186.5)	20	1.84	(46.7)	1.36	(34.4)
7.30	(185.5)	25	1.82	(46.2)	1.34	(33.9)
7.26	(184.5)	30	1.80	(45.7)	1.32	(33.4)
7.22	(183.5)	35	1.78	(45.2)	1.30	(32.9)
7.18	(182.5)	40	1.76	(44.7)	1.28	(32.4)
7.14	(181.5)	45	1.74	(44.2)	1.26	(31.9)
7.10	(180.5)	50	1.72	(43.7)	1.24	(31.4)
7.06	(179.5)	55	1.70	(43.2)	1.22	(30.9)
7.02	(178.5)	60	1.68	(42.7)	1.20	(30.4)
6.98	(177.5)	65	1.66	(42.2)	1.18	(29.8)
6.94	(176.5)	70	1.64	(41.7)	1.16	(29.3)
6.90	(175.5)	75	1.62	(41.1)	1.14	(28.8)
6.86	(174.0)	80	1.60	(40.6)	1.12	(28.3)
6.82	(173.0)	85	1.58	(40.1)	1.10	(27.8)
6.78	(172.0)	90	1.56	(39.6)	1.08	(27.3)
6.74	(171.0)	95	1.54	(39.1)	1.06	(26.8)
6.70	(170.0)	100	1.52	(38.6)	1.04	(26.3)
6.66	(169.0)	103	1.50	(38.1)	1.02	(25.8)
6.62	(168.0)	106	1.48	(37.6)	1.00	(25.3)
6.58	(167.0)	109	1.46	(37.1)	0.98	(24.8)
6.54	(166.0)	112	1.44	(36.6)	0.96	(24.3)
6.50	(165.0)	115	1.42	(36.1)	0.94	(23.8)
6.46	(164.0)	118	1.40	(35.6)	0.92	(23.2)
6.42	(163.0)	121	1.38	(35.1)	0.90	(22.7)

Undercarriage Code: 490

Track Rollers

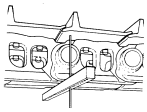
Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
9.56	(243.0)	0	0.87	(22.0)	2.40	(61.0)
9.52	(242.0)	5	0.89	(22.5)	2.38	(60.5)
9.48	(241.0)	10	0.91	(23.0)	2.36	(59.9)
9.44	(240.0)	15	0.93	(23.5)	2.34	(59.4)
9.40	(239.0)	20	0.95	(24.0)	2.32	(58.9)
9.36	(237.5)	25	0.97	(24.5)	2.30	(58.4)
9.32	(236.5)	30	0.99	(25.0)	2.28	(57.9)
9.28	(235.5)	35	1.01	(25.5)	2.26	(57.4)
9.24	(234.5)	40	1.03	(26.0)	2.24	(56.9)
9.20	(233.5)	45	1.05	(26.5)	2.22	(56.4)
9.16	(232.5)	50	1.07	(27.0)	2.20	(55.9)
9.12	(231.5)	55	1.09	(27.5)	2.18	(55.4)
9.08	(230.5)	60	1.11	(28.0)	2.16	(54.9)
9.04	(229.5)	64	1.13	(28.5)	2.14	(54.4)
9.00	(228.5)	67	1.15	(29.0)	2.12	(53.8)
8.96	(227.5)	70	1.17	(29.5)	2.10	(53.3)
8.92	(226.5)	73	1.19	(30.0)	2.08	(52.8)
8.88	(225.5)	76	1.21	(30.5)	2.06	(52.3)
8.84	(224.5)	79	1.23	(31.0)	2.04	(51.8)
8.80	(223.5)	82	1.25	(32.0)	2.02	(51.3)
8.76	(222.5)	85	1.27	(32.5)	2.00	(50.8)
8.72	(221.5)	88	1.29	(33.0)	1.98	(50.3)
8.68	(220.5)	91	1.31	(33.5)	1.96	(49.8)
8.64	(219.5)	94	1.33	(34.0)	1.94	(49.3)
8.60	(218.5)	97	1.35	(34.5)	1.92	(48.8)
8.56	(217.5)	100	1.37	(35.0)	1.90	(48.3)
8.52	(216.5)	103	1.39	(35.5)	1.88	(47.8)
8.48	(215.5)	106	1.41	(36.0)	1.86	(47.2)
8.44	(214.5)	109	1.43	(36.5)	1.84	(46.7)
8.40	(213.5)	112	1.45	(37.0)	1.82	(46.2)
8.36	(212.5)	115	1.47	(37.5)	1.80	(45.7)
8.32	(211.5)	118	1.49	(38.0)	1.78	(45.2)
8.28	(210.5)	121	1.51	(38.5)	1.76	(44.7)

Flange diameter is 11.31" (287 mm)

E70B — 5.31" (135 mm)

Track Links

931969 & 70



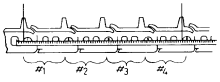


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
2.91	(74.0)	0	0.78	(19.8)
2.89	(73.5)	9	0.76	(19.3)
2.87	(73.0)	18	0.74	(18.8)
2.85	(72.5)	27	0.72	(18.3)
2.83	(72.0)	36	0.70	(17.8)
2.81	(71.5)	45	0.68	(17.3)
2.79	(71.0)	54	0.66	(16.8)
2.77	(70.5)	63	0.64	(16.3)
2.75	(70.0)	72	0.62	(15.7)
2.73	(69.5)	79	0.60	(15.2)
2.71	(69.0)	86	0.58	(14.7)
2.69	(68.5)	93	0.56	(14.2)
2.67	(68.0)	100	0.54	(13.7)
2.65	(67.5)	107	0.52	(13.2)
2.63	(67.0)	114	0.50	(12.7)
2.61	(66.5)	121	0.48	(12.2)

Undercarriage Code: 500, 501

Pins and Bushings for Sealed Track

Internal Wear



Inches	(mm)	% Worn
21.25	(540.0)	0
21.30	(541.0)	10
21.35	(542.5)	20
21.40	(543.5)	30
21.45	(545.0)	40
21.50	(546.0)	50
21.55	(547.5)	60
21.60	(548.5)	70
21.65	(550.0)	80
21.70	(551.0)	90
21.75	(552.5)	100
21.80	(553.5)	105
21.85	(555.0)	110
21.90	(556.5)	115
21.95	(557.5)	120

Undercarriage Code: 500, 501

E70B — 5.31" (135 mm)

Bushings for Sealed Track

External Wear



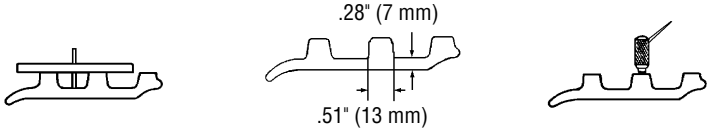


Caliper Inches	Caliper (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.61	(40.9)	0	0.32	(8.1)
1.60	(40.6)	8	0.31	(7.9)
1.59	(40.4)	16	0.30	(7.6)
1.58	(40.1)	24	0.29	(7.4)
1.57	(39.9)	32	0.28	(7.1)
1.56	(39.6)	40	0.27	(6.9)
1.55	(39.4)	48	0.26	(6.6)
1.54	(39.1)	56	0.25	(6.4)
1.53	(38.9)	64	0.24	(6.1)
1.52	(38.6)	72	0.23	(5.8)
1.51	(38.4)	80	0.22	(5.6)
1.50	(38.1)	84	0.21	(5.3)
1.49	(37.8)	88	0.20	(5.1)
1.48	(37.6)	92	0.19	(4.8)
1.47	(37.3)	96	0.18	(4.6)
1.46	(37.1)	100	0.17	(4.3)
1.45	(36.8)	104	0.16	(4.1)
1.44	(36.6)	108	0.15	(3.8)
1.43	(36.3)	112	0.14	(3.6)
1.42	(36.1)	116	0.13	(3.3)
1.41	(35.8)	120	0.12	(3.0)

Undercarriage Code: 500, 501

Track Shoes

Triple Grouser
17.7" (450 mm) Shoe Width



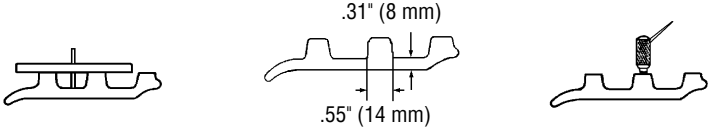
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
0.55	(14.0)	0	0.83	(21.1)
0.53	(13.5)	7	0.81	(20.6)
0.51	(13.0)	14	0.79	(20.1)
0.49	(12.5)	21	0.77	(19.6)
0.47	(12.0)	28	0.75	(19.1)
0.45	(11.5)	35	0.73	(18.5)
0.43	(11.0)	42	0.71	(18.0)
0.41	(10.5)	49	0.69	(17.5)
0.39	(10.0)	56	0.67	(17.0)
0.37	(9.5)	63	0.65	(16.5)
0.35	(9.0)	70	0.63	(16.0)
0.33	(8.5)	76	0.61	(15.5)
0.31	(8.0)	82	0.59	(15.0)
0.29	(7.5)	88	0.57	(14.5)
0.27	(7.0)	94	0.55	(14.0)
0.25	(6.5)	100	0.53	(13.5)
0.23	(6.0)	106	0.51	(13.0)
0.21	(5.5)	112	0.49	(12.4)
0.19	(5.0)	118	0.47	(11.9)
0.17	(4.5)	124	0.45	(11.4)

Undercarriage Code: 500, 501

E70B — 5.31" (135 mm)

Track Shoes

Triple Grouser
23.6" (600 mm) Shoe Width

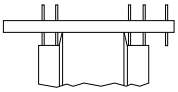


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
0.71	(18.0)	0	1.02	(25.9)
0.69	(17.5)	5	1.00	(25.4)
0.67	(17.0)	10	0.98	(24.9)
0.65	(16.5)	15	0.96	(24.4)
0.63	(16.0)	20	0.94	(23.9)
0.61	(15.5)	25	0.92	(23.4)
0.59	(15.0)	30	0.90	(22.9)
0.57	(14.5)	35	0.88	(22.4)
0.55	(14.0)	40	0.86	(21.8)
0.53	(13.5)	45	0.84	(21.3)
0.51	(13.0)	50	0.82	(20.8)
0.49	(12.5)	55	0.80	(20.3)
0.47	(12.0)	60	0.78	(19.8)
0.45	(11.5)	65	0.76	(19.3)
0.43	(11.0)	70	0.74	(18.8)
0.41	(10.5)	75	0.72	(18.3)
0.39	(10.0)	79	0.70	(17.8)
0.37	(9.5)	82	0.68	(17.3)
0.35	(9.0)	85	0.66	(16.8)
0.33	(8.5)	88	0.64	(16.3)
0.31	(8.0)	91	0.62	(15.7)
0.29	(7.5)	94	0.60	(15.2)
0.27	(7.0)	97	0.58	(14.7)
0.25	(6.5)	100	0.56	(14.2)
0.23	(6.0)	103	0.54	(13.7)
0.21	(5.5)	106	0.52	(13.2)
0.19	(5.0)	109	0.50	(12.7)
0.17	(4.5)	112	0.48	(12.2)
0.15	(4.0)	115	0.46	(11.7)
0.13	(3.5)	118	0.44	(11.2)
0.11	(3.0)	121	0.42	(10.7)

NOTE: For use in CTS computer program, select “Triple Grouser Extreme Service” shoe type.

Undercarriage Code: 500, 501

Idlers

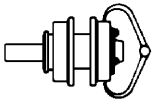


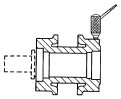
Depth Gauge Inches	(mm)	% Worn
0.46	(11.5)	0
0.48	(12.0)	14
0.50	(12.5)	28
0.52	(13.0)	42
0.54	(13.5)	56
0.56	(14.0)	68
0.58	(14.5)	76
0.60	(15.0)	84
0.62	(15.5)	92
0.64	(16.5)	100
0.66	(17.0)	108
0.68	(17.5)	116
0.70	(18.0)	124

Flange width: 1.69" (43 mm)

E70B — 5.31" (135 mm)

Carrier Rollers



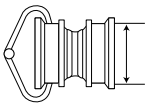
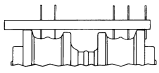
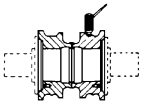


Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
3.54	(90.0)	0	0.83	(21.1)
3.52	(89.5)	8	0.82	(20.8)
3.50	(89.0)	16	0.81	(20.6)
3.48	(88.5)	24	0.80	(20.3)
3.46	(88.0)	32	0.79	(20.1)
3.44	(87.5)	40	0.78	(19.8)
3.42	(87.0)	48	0.77	(19.6)
3.40	(86.5)	56	0.76	(19.3)
3.38	(86.0)	64	0.75	(19.1)
3.36	(85.5)	68	0.74	(18.8)
3.34	(85.0)	72	0.73	(18.5)
3.32	(84.5)	76	0.72	(18.3)
3.30	(84.0)	80	0.71	(18.0)
3.28	(83.5)	84	0.70	(17.8)
3.26	(83.0)	88	0.69	(17.5)
3.24	(82.5)	92	0.68	(17.3)
3.22	(82.0)	96	0.67	(17.0)
3.20	(81.5)	100	0.66	(16.8)
3.18	(81.0)	104	0.65	(16.5)
3.16	(80.5)	108	0.64	(16.3)
3.14	(80.0)	112	0.63	(16.0)
3.12	(79.0)	116	0.62	(15.7)
3.10	(78.5)	120	0.61	(15.5)

Undercarriage Code: 500, 501

Track Rollers

Large Diameter

Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
5.51	(140.0)	0	0.47	(12.0)	1.87	(47.5)
5.49	(139.5)	5	0.48	(12.0)	1.86	(47.2)
5.47	(139.0)	10	0.49	(12.5)	1.85	(47.0)
5.45	(138.5)	15	0.50	(12.5)	1.84	(46.7)
5.43	(138.0)	20	0.51	(13.0)	1.83	(46.5)
5.41	(137.5)	25	0.52	(13.0)	1.82	(46.2)
5.39	(137.0)	30	0.53	(13.5)	1.81	(46.0)
5.37	(136.5)	35	0.54	(13.5)	1.80	(45.7)
5.35	(136.0)	40	0.55	(14.0)	1.79	(45.5)
5.33	(135.5)	45	0.56	(14.0)	1.78	(45.2)
5.31	(135.0)	50	0.57	(14.5)	1.77	(45.0)
5.29	(134.5)	55	0.58	(14.5)	1.76	(44.7)
5.27	(134.0)	58	0.59	(15.0)	1.75	(44.5)
5.25	(133.5)	61	0.60	(15.0)	1.74	(44.2)
5.23	(133.0)	64	0.61	(15.5)	1.73	(43.9)
5.21	(132.5)	67	0.62	(15.5)	1.72	(43.7)
5.19	(132.0)	70	0.63	(16.0)	1.71	(43.4)
5.17	(131.5)	73	0.64	(16.5)	1.70	(43.2)
5.15	(131.0)	76	0.65	(16.5)	1.69	(42.9)
5.13	(130.5)	79	0.66	(17.0)	1.68	(42.7)
5.11	(130.0)	82	0.67	(17.0)	1.67	(42.4)
5.09	(129.5)	85	0.68	(17.5)	1.66	(42.2)
5.07	(129.0)	88	0.69	(17.5)	1.65	(41.9)
5.05	(128.5)	91	0.70	(18.0)	1.64	(41.7)
5.03	(128.0)	94	0.71	(18.0)	1.63	(41.4)
5.01	(127.5)	97	0.72	(18.5)	1.62	(41.1)
4.99	(126.5)	100	0.73	(18.5)	1.61	(40.9)
4.97	(126.0)	103	0.74	(19.0)	1.60	(40.6)
4.95	(125.5)	106	0.75	(19.0)	1.59	(40.4)
4.93	(125.0)	109	0.76	(19.5)	1.58	(40.1)
4.91	(124.5)	112	0.77	(19.5)	1.57	(39.9)
4.89	(124.0)	115	0.78	(20.0)	1.56	(39.6)
4.87	(123.5)	118	0.79	(20.0)	1.55	(39.4)
4.85	(123.0)	121	0.80	(20.5)	1.54	(39.1)

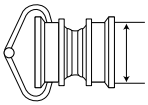
Flange diameter is 6.46" (164 mm)

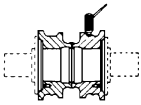
Undercarriage Code: 501

E70B — 5.31" (135 mm)

Track Rollers

Small Diameter





Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
4.72	(120.0)	0	1.50	(38.1)
4.70	(119.5)	5	1.49	(37.8)
4.68	(119.0)	10	1.48	(37.6)
4.66	(118.5)	15	1.47	(37.3)
4.64	(118.0)	20	1.46	(37.1)
4.62	(117.5)	25	1.45	(36.8)
4.60	(117.0)	30	1.44	(36.6)
4.58	(116.5)	35	1.43	(36.3)
4.56	(116.0)	40	1.42	(36.1)
4.54	(115.5)	45	1.41	(35.8)
4.52	(115.0)	50	1.40	(35.6)
4.50	(114.5)	55	1.39	(35.3)
4.48	(114.0)	60	1.38	(35.1)
4.46	(113.5)	64	1.37	(34.8)
4.44	(113.0)	67	1.36	(34.5)
4.42	(112.5)	70	1.35	(34.3)
4.40	(112.0)	73	1.34	(34.0)
4.38	(111.5)	76	1.33	(33.8)
4.36	(110.5)	79	1.32	(33.5)
4.34	(110.0)	82	1.31	(33.3)
4.32	(109.5)	85	1.30	(33.0)
4.30	(109.0)	88	1.29	(32.8)
4.28	(108.5)	91	1.28	(32.5)
4.26	(108.0)	94	1.27	(32.3)
4.24	(107.5)	97	1.26	(32.0)
4.22	(107.0)	100	1.25	(31.8)
4.20	(106.5)	103	1.24	(31.5)
4.18	(106.0)	106	1.23	(31.2)
4.16	(105.5)	109	1.22	(31.0)
4.14	(105.0)	112	1.21	(30.7)
4.12	(104.5)	115	1.20	(30.5)
4.10	(104.0)	118	1.19	(30.2)
4.08	(103.5)	121	1.18	(30.0)

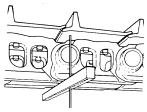
Flange diameter is 5.67" (144 mm)

NOTES

E120B, E110B — 6.75" (171.5 mm)

Track Links

4I7475 & 76



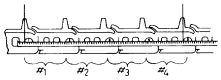


Depth Gauge			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
3.54	(90.0)	0	0.97	(24.6)
3.52	(89.5)	9	0.95	(24.1)
3.50	(89.0)	18	0.93	(23.6)
3.48	(88.5)	27	0.91	(23.1)
3.46	(88.0)	36	0.89	(22.6)
3.44	(87.5)	45	0.87	(22.1)
3.42	(87.0)	54	0.85	(21.6)
3.40	(86.5)	63	0.83	(21.1)
3.38	(86.0)	72	0.81	(20.6)
3.36	(85.5)	79	0.79	(20.1)
3.34	(85.0)	86	0.77	(19.6)
3.32	(84.5)	93	0.75	(19.1)
3.30	(84.0)	100	0.73	(18.5)
3.28	(83.5)	107	0.71	(18.0)
3.26	(83.0)	114	0.69	(17.5)
3.24	(82.5)	121	0.67	(17.0)

Undercarriage Code: 515, 530

Pins and Bushings for Sealed Track

Internal Wear



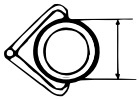
Inches	(mm)	% Worn
27.00	(686.0)	0
27.05	(687.0)	10
27.10	(688.5)	20
27.15	(689.5)	30
27.20	(691.0)	40
27.25	(692.0)	50
27.30	(693.5)	60
27.35	(694.5)	70
27.40	(696.0)	80
27.45	(697.0)	90
27.50	(698.5)	100
27.55	(700.0)	105
27.60	(701.0)	110
27.65	(702.5)	115
27.70	(703.5)	120

Undercarriage Code: 515, 530

E120B, E110B — 6.75" (171.5 mm)

Bushings for Sealed Track

External Wear

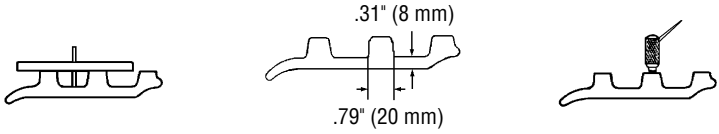




Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
1.99	(50.5)	0	0.32	(8.1)
1.98	(50.3)	8	0.31	(7.9)
1.97	(50.0)	16	0.30	(7.6)
1.96	(49.8)	24	0.29	(7.4)
1.95	(49.5)	32	0.28	(7.1)
1.94	(49.3)	40	0.27	(6.9)
1.93	(49.0)	48	0.26	(6.6)
1.92	(48.8)	56	0.25	(6.3)
1.91	(48.5)	64	0.24	(6.1)
1.90	(48.3)	72	0.23	(5.8)
1.89	(48.0)	76	0.22	(5.6)
1.88	(47.8)	80	0.21	(5.3)
1.87	(47.5)	84	0.20	(5.1)
1.86	(47.2)	88	0.19	(4.8)
1.85	(47.0)	92	0.18	(4.6)
1.84	(46.7)	96	0.17	(4.3)
1.83	(46.5)	100	0.16	(4.1)
1.82	(46.2)	104	0.15	(3.8)
1.81	(46.0)	108	0.14	(3.6)
1.80	(45.7)	112	0.13	(3.3)
1.79	(45.5)	116	0.12	(3.0)
1.78	(45.2)	120	0.11	(2.8)

Track Shoes

Triple Grouser

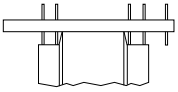


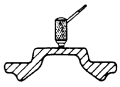
Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
0.80	(20.5)	0	1.10	(27.9)
0.75	(19.0)	10	1.05	(26.7)
0.70	(18.0)	19	1.00	(25.4)
0.65	(16.5)	28	0.95	(24.1)
0.60	(15.0)	37	0.90	(22.9)
0.55	(14.0)	46	0.85	(21.6)
0.50	(12.5)	55	0.80	(20.3)
0.45	(11.5)	64	0.75	(19.1)
0.40	(10.0)	73	0.70	(17.8)
0.35	(9.0)	82	0.65	(16.5)
0.30	(7.5)	91	0.60	(15.2)
0.25	(6.5)	100	0.55	(14.0)
0.20	(5.0)	109	0.50	(12.7)
0.15	(4.0)	118	0.45	(11.4)
0.10	(2.5)	127	0.40	(10.2)

Undercarriage Code: 515, 530

E120B, E110B — 6.75" (171.5 mm)

Idlers





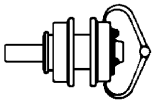
Depth Gauge Inches	(mm)	% Worn
0.70	(18.0)	0
0.72	(18.5)	12
0.74	(19.0)	24
0.76	(19.5)	36
0.78	(20.0)	48
0.80	(20.5)	60
0.82	(21.0)	72
0.84	(21.5)	76
0.86	(22.0)	80
0.88	(22.5)	84
0.90	(23.0)	88
0.92	(23.5)	92
0.94	(24.0)	96
0.96	(24.5)	100
0.98	(25.0)	104
1.00	(25.5)	108
1.02	(26.0)	112
1.04	(26.5)	116
1.06	(27.0)	120

Flange width: 2.70" (68.5 mm)

Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.28	(7.1)	0.00	(0.0)
0.26	(6.6)	0.02	(0.5)
0.24	(6.1)	0.04	(1.0)
0.22	(5.6)	0.06	(1.5)
0.20	(5.1)	0.08	(2.0)
0.18	(4.6)	0.10	(2.5)
0.16	(4.1)	0.12	(3.0)
0.14	(3.6)	0.14	(3.5)
0.12	(3.0)	0.16	(4.0)
0.10	(2.5)	0.18	(4.5)
0.08	(2.0)	0.20	(5.0)
0.06	(1.5)	0.22	(5.5)
0.04	(1.0)	0.24	(6.0)
0.02	(0.5)	0.26	(6.5)
0.00	(0.0)	0.28	(7.0)

NOTE: Ultrasonic measurement is to determine flange wear only. Use ultrasonic only on fabricated idlers.

Carrier Rollers

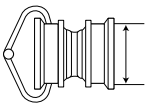


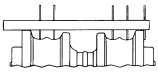
Caliper Inches	(mm)	% Worn
4.41	(112.0)	0
4.37	(111.0)	6
4.33	(110.0)	12
4.29	(109.0)	18
4.25	(108.0)	24
4.21	(107.0)	28
4.17	(106.0)	32
4.13	(105.0)	36
4.09	(104.0)	40
4.05	(103.0)	44
4.01	(102.0)	48
3.97	(101.0)	52
3.93	(100.0)	56
3.89	(99.0)	60
3.85	(98.0)	64
3.81	(97.0)	68
3.77	(96.0)	72
3.73	(94.5)	76
3.69	(93.5)	80
3.65	(92.5)	84
3.61	(91.5)	88
3.57	(90.5)	92
3.53	(89.5)	96
3.49	(88.5)	100
3.45	(87.5)	104
3.41	(86.5)	108
3.37	(85.5)	112
3.33	(84.5)	116
3.29	(83.5)	120

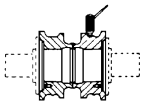
Undercarriage Code: 515, 530

E120B, E110B — 6.75" (171.5 mm)

Track Rollers







Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
5.43	(138.0)	0	0.59	(15.0)	1.65	(41.9)
5.41	(137.5)	5	0.60	(15.0)	1.64	(41.7)
5.39	(137.0)	10	0.61	(15.5)	1.63	(41.4)
5.37	(136.5)	15	0.62	(15.5)	1.62	(41.1)
5.35	(136.0)	20	0.63	(16.0)	1.61	(40.9)
5.33	(135.5)	25	0.64	(16.5)	1.60	(40.6)
5.31	(135.0)	30	0.65	(16.5)	1.59	(40.4)
5.29	(134.5)	35	0.66	(17.0)	1.58	(40.1)
5.27	(134.0)	40	0.67	(17.0)	1.57	(39.9)
5.25	(133.5)	45	0.68	(17.5)	1.56	(39.6)
5.23	(133.0)	50	0.69	(17.5)	1.55	(39.4)
5.21	(132.5)	55	0.70	(18.0)	1.54	(39.1)
5.19	(132.0)	60	0.71	(18.0)	1.53	(38.9)
5.17	(131.5)	64	0.72	(18.5)	1.52	(38.6)
5.15	(131.0)	67	0.73	(18.5)	1.51	(38.4)
5.13	(130.5)	70	0.74	(19.0)	1.50	(38.1)
5.11	(130.0)	73	0.75	(19.0)	1.49	(37.8)
5.09	(129.5)	76	0.76	(19.5)	1.48	(37.6)
5.07	(129.0)	79	0.77	(19.5)	1.47	(37.3)
5.05	(128.5)	82	0.78	(20.0)	1.46	(37.1)
5.03	(128.0)	85	0.79	(20.0)	1.45	(36.8)
5.01	(127.5)	88	0.80	(20.5)	1.44	(36.6)
4.99	(126.5)	91	0.81	(20.5)	1.43	(36.3)
4.97	(126.0)	94	0.82	(21.0)	1.42	(36.1)
4.95	(125.5)	97	0.83	(21.0)	1.41	(35.8)
4.93	(125.0)	100	0.84	(21.5)	1.40	(35.6)
4.91	(124.5)	103	0.85	(21.5)	1.39	(35.3)
4.89	(124.0)	106	0.86	(22.0)	1.38	(35.1)
4.87	(123.5)	109	0.87	(22.0)	1.37	(34.8)
4.85	(123.0)	112	0.88	(22.5)	1.36	(34.5)
4.83	(122.5)	115	0.89	(22.5)	1.35	(34.3)
4.81	(122.0)	118	0.90	(23.0)	1.34	(34.0)
4.79	(121.5)	121	0.91	(23.0)	1.33	(33.8)

Flange diameter is 6.61" (168 mm)

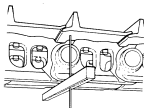
Undercarriage Code: 515, 530

NOTES

E140 — 6.75" (171.5 mm)

Track Links

931977 & 78



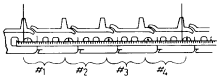


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
3.66	(93.0)	0	1.04	(26.4)
3.64	(92.5)	9	1.02	(25.9)
3.62	(92.0)	18	1.00	(25.4)
3.60	(91.5)	27	0.98	(24.9)
3.58	(91.0)	36	0.96	(24.4)
3.56	(90.5)	45	0.94	(23.9)
3.54	(90.0)	54	0.92	(23.4)
3.52	(89.5)	63	0.90	(22.9)
3.50	(89.0)	72	0.88	(22.4)
3.48	(88.5)	79	0.86	(21.8)
3.46	(88.0)	86	0.84	(21.3)
3.44	(87.5)	93	0.82	(20.8)
3.42	(87.0)	100	0.80	(20.3)
3.40	(86.5)	107	0.78	(19.8)
3.38	(86.0)	114	0.76	(19.3)
3.36	(85.5)	121	0.74	(18.8)

Undercarriage Code: 545

Pins and Bushings for Sealed Track

Internal Wear

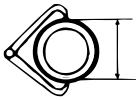


Inches	(mm)	% Worn
27.00	(686.0)	0
27.05	(687.0)	10
27.10	(688.5)	20
27.15	(689.5)	30
27.20	(691.0)	40
27.25	(692.0)	50
27.30	(693.5)	60
27.35	(694.5)	70
27.40	(696.0)	80
27.45	(697.0)	90
27.50	(698.5)	100
27.55	(700.0)	105
27.60	(701.0)	110
27.65	(702.5)	115
27.70	(703.5)	120

E140 — 6.75" (171.5 mm)

Bushings for Sealed Track

External Wear



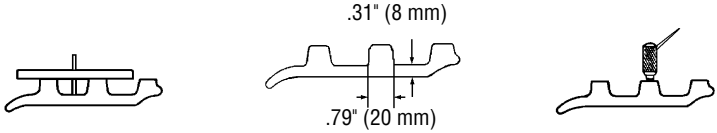


Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
1.99	(50.5)	0	0.32	(8.1)
1.98	(50.3)	8	0.31	(7.9)
1.97	(50.0)	16	0.30	(7.6)
1.96	(49.8)	24	0.29	(7.4)
1.95	(49.5)	32	0.28	(7.1)
1.94	(49.3)	40	0.27	(6.9)
1.93	(49.0)	48	0.26	(6.6)
1.92	(48.8)	56	0.25	(6.4)
1.91	(48.5)	64	0.24	(6.1)
1.90	(48.3)	72	0.23	(5.8)
1.89	(48.0)	76	0.22	(5.6)
1.88	(47.8)	80	0.21	(5.3)
1.87	(47.5)	84	0.20	(5.1)
1.86	(47.2)	88	0.19	(4.8)
1.85	(47.0)	92	0.18	(4.6)
1.84	(46.7)	96	0.17	(4.3)
1.83	(46.5)	100	0.16	(4.1)
1.82	(46.2)	104	0.15	(3.8)
1.81	(46.0)	108	0.14	(3.6)
1.80	(45.7)	112	0.13	(3.3)
1.79	(45.5)	116	0.12	(3.0)
1.78	(45.2)	120	0.11	(2.8)

Undercarriage Code: 545

Track Shoes

Triple Grouser

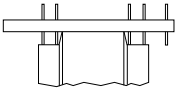


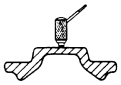
Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
0.80	(20.5)	0	1.10	(27.9)
0.75	(19.0)	10	1.05	(26.7)
0.70	(18.0)	19	1.00	(25.4)
0.65	(16.5)	28	0.95	(24.1)
0.60	(15.0)	37	0.90	(22.9)
0.55	(14.0)	46	0.85	(21.6)
0.50	(12.5)	55	0.80	(20.3)
0.45	(11.5)	64	0.75	(19.1)
0.40	(10.0)	73	0.70	(17.8)
0.35	(9.0)	82	0.65	(16.5)
0.30	(7.5)	91	0.60	(15.2)
0.25	(6.5)	100	0.55	(14.0)
0.20	(5.0)	109	0.50	(12.7)
0.15	(4.0)	118	0.45	(11.4)
0.10	(2.5)	127	0.40	(10.2)

Undercarriage Code: 545

E140 — 6.75" (171.5 mm)

Idlers





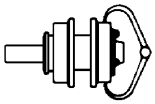
Depth Gauge Inches	(mm)	% Worn
0.68	(17.5)	0
0.70	(18.0)	12
0.72	(18.5)	24
0.74	(19.0)	36
0.76	(19.5)	48
0.78	(20.0)	60
0.80	(20.5)	72
0.82	(21.0)	76
0.84	(21.5)	80
0.86	(22.0)	84
0.88	(22.5)	88
0.90	(23.0)	92
0.92	(23.5)	96
0.94	(24.0)	100
0.96	(24.5)	104
0.98	(25.0)	108
1.00	(25.5)	112
1.02	(26.0)	116
1.04	(26.5)	120

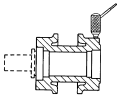
Flange width: 2.68" (68 mm)

Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.30	(7.6)	0.00	(0.0)
0.28	(7.1)	0.02	(0.5)
0.26	(6.6)	0.04	(1.0)
0.24	(6.1)	0.06	(1.5)
0.22	(5.6)	0.08	(2.0)
0.20	(5.1)	0.10	(2.5)
0.18	(4.6)	0.12	(3.0)
0.16	(4.1)	0.14	(3.5)
0.14	(3.6)	0.16	(4.0)
0.12	(3.0)	0.18	(4.5)
0.10	(2.5)	0.20	(5.0)
0.08	(2.0)	0.22	(5.5)
0.06	(1.5)	0.24	(6.0)
0.04	(1.0)	0.26	(6.5)
0.02	(0.5)	0.28	(7.0)

NOTE: Ultrasonic measurement is to determine flange wear only.

Carrier Rollers



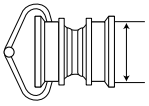


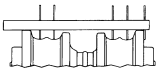
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
4.72	(120.0)	0	1.22	(31.0)
4.70	(119.5)	8	1.21	(30.7)
4.68	(119.0)	16	1.20	(30.5)
4.66	(118.5)	24	1.19	(30.2)
4.64	(118.0)	32	1.18	(30.0)
4.62	(117.5)	40	1.17	(29.7)
4.60	(117.0)	48	1.16	(29.5)
4.58	(116.5)	56	1.15	(29.2)
4.56	(116.0)	64	1.14	(29.0)
4.54	(115.5)	72	1.13	(28.7)
4.52	(115.0)	76	1.12	(28.4)
4.50	(114.5)	80	1.11	(28.2)
4.48	(114.0)	84	1.10	(27.9)
4.46	(113.5)	88	1.09	(27.7)
4.44	(113.0)	92	1.08	(27.4)
4.42	(112.5)	96	1.07	(27.2)
4.40	(112.0)	100	1.06	(26.9)
4.38	(111.5)	104	1.05	(26.7)
4.36	(110.5)	108	1.04	(26.4)
4.34	(110.0)	112	1.03	(26.2)
4.32	(109.5)	116	1.02	(25.9)
4.30	(109.0)	120	1.01	(25.7)

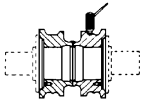
Undercarriage Code: 545

E140 — 6.75" (171.5 mm)

Track Rollers







Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
6.30	(160.0)	0	0.59	(15.0)	1.93	(49.0)
6.28	(159.5)	5	0.60	(15.0)	1.92	(48.8)
6.26	(159.0)	10	0.61	(15.5)	1.91	(48.5)
6.24	(158.5)	15	0.62	(15.5)	1.90	(48.3)
6.22	(158.0)	20	0.63	(16.0)	1.89	(48.0)
6.20	(157.5)	25	0.64	(16.5)	1.88	(47.8)
6.18	(157.0)	30	0.65	(16.5)	1.87	(47.5)
6.16	(156.5)	35	0.66	(17.0)	1.86	(47.2)
6.14	(156.0)	40	0.67	(17.0)	1.85	(47.0)
6.12	(155.5)	45	0.68	(17.5)	1.84	(46.7)
6.10	(155.0)	50	0.69	(17.5)	1.83	(46.5)
6.08	(154.5)	55	0.70	(18.0)	1.82	(46.2)
6.06	(154.0)	58	0.71	(18.0)	1.81	(46.0)
6.04	(153.5)	61	0.72	(18.5)	1.80	(45.7)
6.02	(153.0)	64	0.73	(18.5)	1.79	(45.5)
6.00	(152.5)	67	0.74	(19.0)	1.78	(45.2)
5.98	(152.0)	70	0.75	(19.0)	1.77	(45.0)
5.96	(151.5)	73	0.76	(19.5)	1.76	(44.7)
5.94	(151.0)	76	0.77	(19.5)	1.75	(44.5)
5.92	(150.5)	79	0.78	(20.0)	1.74	(44.2)
5.90	(150.0)	82	0.79	(20.0)	1.73	(43.9)
5.88	(149.5)	85	0.80	(20.5)	1.72	(43.7)
5.86	(149.0)	88	0.81	(20.5)	1.71	(43.4)
5.84	(148.5)	91	0.82	(21.0)	1.70	(43.2)
5.82	(148.0)	94	0.83	(21.0)	1.69	(42.9)
5.80	(147.5)	97	0.84	(21.5)	1.68	(42.7)
5.78	(147.0)	100	0.85	(21.5)	1.67	(42.4)
5.76	(146.5)	103	0.86	(22.0)	1.66	(42.2)
5.74	(146.0)	106	0.87	(22.0)	1.65	(41.9)
5.72	(145.5)	109	0.88	(22.5)	1.64	(41.7)
5.70	(145.0)	112	0.89	(22.5)	1.63	(41.4)
5.68	(144.5)	115	0.90	(23.0)	1.62	(41.1)
5.66	(144.0)	118	0.91	(23.0)	1.61	(40.9)
5.64	(143.5)	121	0.92	(23.5)	1.60	(40.6)

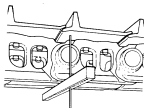
Undercarriage Code: 545

NOTES

EL180, E180 — 6.91" (175.5 mm)

Track Links

931979 & 957130



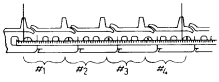


Depth Gauge			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
4.14	(105.0)	0	1.22	(31.0)
4.12	(104.5)	9	1.20	(30.5)
4.10	(104.0)	18	1.18	(30.0)
4.08	(103.5)	27	1.16	(29.5)
4.06	(103.0)	36	1.14	(29.0)
4.04	(102.5)	45	1.12	(28.4)
4.02	(102.0)	54	1.10	(27.9)
4.00	(101.5)	63	1.08	(27.4)
3.98	(101.0)	72	1.06	(26.9)
3.96	(100.5)	79	1.04	(26.4)
3.94	(100.0)	86	1.02	(25.9)
3.92	(99.5)	93	1.00	(25.4)
3.90	(99.0)	100	0.98	(24.9)
3.88	(98.5)	107	0.96	(24.4)
3.86	(98.0)	114	0.94	(23.9)
3.84	(97.5)	121	0.92	(23.4)

Undercarriage Code: 560

Pins and Bushings for Sealed Track

Internal Wear



Inches	(mm)	% Worn
27.65	(702.5)	0
27.70	(703.5)	10
27.75	(705.0)	20
27.80	(706.0)	30
27.85	(707.5)	40
27.90	(708.5)	50
27.95	(710.0)	60
28.00	(711.0)	70
28.05	(712.5)	80
28.10	(713.5)	90
28.15	(715.0)	100
28.20	(716.5)	105
28.25	(717.5)	110
28.30	(719.0)	115
28.35	(720.0)	120

Bushings for Sealed Track

External Wear



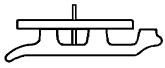


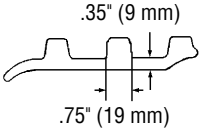
Caliper		Allowable Wear		Ultrasonic	
		Lesser	Greater		
Inches	(mm)	% Worn	% Worn	Inches	(mm)
2.33	(59.2)	0	0	0.42	(10.7)
2.32	(58.9)	10	6	0.41	(10.4)
2.31	(58.7)	20	12	0.40	(10.2)
2.30	(58.4)	30	18	0.39	(9.9)
2.29	(58.2)	40	24	0.38	(9.7)
2.28	(57.9)	50	30	0.37	(9.4)
2.27	(57.7)	60	36	0.36	(9.1)
2.26	(57.4)	70	42	0.35	(8.9)
2.25	(57.2)	75	48	0.34	(8.6)
2.24	(56.9)	80	54	0.33	(8.4)
2.23	(56.6)	85	60	0.32	(8.1)
2.22	(56.4)	90	66	0.31	(7.9)
2.21	(56.1)	95	72	0.30	(7.6)
2.20	(55.9)	100	78	0.29	(7.4)
2.19	(55.6)	105	82	0.28	(7.1)
2.18	(55.4)	110	85	0.27	(6.9)
2.17	(55.1)	115	88	0.26	(6.6)
2.16	(54.9)	120	91	0.25	(6.4)
2.15	(54.6)		94	0.24	(6.1)
2.14	(54.4)		97	0.23	(5.8)
2.13	(54.1)		100	0.22	(5.6)
2.12	(53.8)		103	0.21	(5.3)
2.11	(53.6)		106	0.20	(5.1)
2.10	(53.3)		109	0.19	(4.8)
2.09	(53.1)		112	0.18	(4.6)
2.08	(52.8)		115	0.17	(4.3)
2.07	(52.6)		118	0.16	(4.1)
2.06	(52.3)		121	0.15	(3.8)

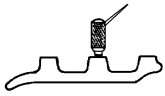
Undercarriage Code: 560

Track Shoes

Triple Grouser





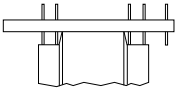


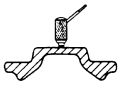
Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
1.00	(25.5)	0	1.35	(34.3)
0.95	(24.0)	7	1.30	(33.0)
0.90	(23.0)	14	1.25	(31.8)
0.85	(21.5)	21	1.20	(30.5)
0.80	(20.5)	28	1.15	(29.2)
0.75	(19.0)	35	1.10	(27.9)
0.70	(18.0)	42	1.05	(26.7)
0.65	(16.5)	49	1.00	(25.4)
0.60	(15.0)	56	0.95	(24.1)
0.55	(14.0)	63	0.90	(22.9)
0.50	(12.5)	70	0.85	(21.6)
0.45	(11.5)	76	0.80	(20.3)
0.40	(10.0)	82	0.75	(19.1)
0.35	(9.0)	88	0.70	(17.8)
0.30	(7.5)	94	0.65	(16.5)
0.25	(6.5)	100	0.60	(15.2)
0.20	(5.0)	106	0.55	(14.0)
0.15	(4.0)	112	0.50	(12.7)
0.10	(2.5)	118	0.45	(11.4)
0.05	(1.5)	124	0.40	(10.2)

Undercarriage Code: 560

EL180, E180 — 6.91" (175.5 mm)

Idlers





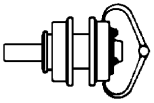
Depth Gauge Inches	(mm)	% Worn
0.76	(19.5)	0
0.78	(20.0)	12
0.80	(20.5)	24
0.82	(21.0)	36
0.84	(21.5)	48
0.86	(22.0)	60
0.88	(22.5)	72
0.90	(23.0)	76
0.92	(23.5)	80
0.94	(24.0)	84
0.96	(24.5)	88
0.98	(25.0)	92
1.00	(25.5)	96
1.02	(26.0)	100
1.04	(26.5)	104
1.06	(27.0)	108
1.08	(27.5)	112
1.10	(28.0)	116
1.12	(28.5)	120

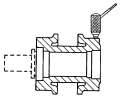
Flange width: 3.31" (84.0 mm)

Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.38	(9.7)	0.00	(0.0)
0.36	(9.1)	0.02	(0.5)
0.34	(8.6)	0.04	(1.0)
0.32	(8.1)	0.06	(1.5)
0.30	(7.6)	0.08	(2.0)
0.28	(7.1)	0.10	(2.5)
0.26	(6.6)	0.12	(3.0)
0.24	(6.1)	0.14	(3.5)
0.22	(5.6)	0.16	(4.0)
0.20	(5.1)	0.18	(4.5)
0.18	(4.6)	0.20	(5.0)
0.16	(4.1)	0.22	(5.5)
0.14	(3.6)	0.24	(6.0)
0.12	(3.0)	0.26	(6.5)
0.10	(2.5)	0.28	(7.0)
0.08	(2.0)	0.30	(7.5)
0.06	(1.5)	0.32	(8.0)
0.04	(1.0)	0.34	(8.5)
0.02	(0.5)	0.36	(9.0)

NOTE: Ultrasonic measurement is to determine flange wear only.

Carrier Rollers

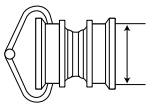
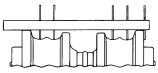
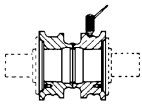




Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
5.12	(130.0)	0	0.89	(22.6)
5.10	(129.5)	8	0.88	(22.4)
5.08	(129.0)	16	0.87	(22.1)
5.06	(128.5)	24	0.86	(21.8)
5.04	(128.0)	32	0.85	(21.6)
5.02	(127.5)	40	0.84	(21.3)
5.00	(127.0)	48	0.83	(21.1)
4.98	(126.5)	56	0.82	(20.8)
4.96	(126.0)	64	0.81	(20.6)
4.94	(125.5)	72	0.80	(20.3)
4.92	(125.0)	76	0.79	(20.1)
4.90	(124.5)	80	0.78	(19.8)
4.88	(124.0)	84	0.77	(19.6)
4.86	(123.5)	88	0.76	(19.3)
4.84	(123.0)	92	0.75	(19.1)
4.82	(122.5)	96	0.74	(18.8)
4.80	(122.0)	100	0.73	(18.5)
4.78	(121.5)	104	0.72	(18.3)
4.76	(121.0)	108	0.71	(18.0)
4.74	(120.5)	112	0.70	(17.8)
4.72	(120.0)	116	0.69	(17.5)
4.70	(119.5)	120	0.68	(17.3)

EL180, E180 — 6.91" (175.5 mm)

Track Rollers

Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
6.50	(165.0)	0	0.70	(18.0)	1.83	(46.5)
6.48	(164.5)	5	0.71	(18.0)	1.82	(46.2)
6.46	(164.0)	10	0.72	(18.5)	1.81	(46.0)
6.44	(163.5)	15	0.73	(18.5)	1.80	(45.7)
6.42	(163.0)	20	0.74	(19.0)	1.79	(45.5)
6.40	(162.5)	25	0.75	(19.0)	1.78	(45.2)
6.38	(162.0)	30	0.76	(19.5)	1.77	(45.0)
6.36	(161.5)	35	0.77	(19.5)	1.76	(44.7)
6.34	(161.0)	40	0.78	(20.0)	1.75	(44.5)
6.32	(160.5)	45	0.79	(20.0)	1.74	(44.2)
6.30	(160.0)	50	0.80	(20.5)	1.73	(43.9)
6.28	(159.5)	55	0.81	(20.5)	1.72	(43.7)
6.26	(159.0)	60	0.82	(21.0)	1.71	(43.4)
6.24	(158.5)	64	0.83	(21.0)	1.70	(43.2)
6.22	(158.0)	67	0.84	(21.5)	1.69	(42.9)
6.20	(157.5)	70	0.85	(21.5)	1.68	(42.7)
6.18	(157.0)	73	0.86	(22.0)	1.67	(42.4)
6.16	(156.5)	76	0.87	(22.0)	1.66	(42.2)
6.14	(156.0)	79	0.88	(22.5)	1.65	(41.9)
6.12	(155.5)	82	0.89	(22.5)	1.64	(41.7)
6.10	(155.0)	85	0.90	(23.0)	1.63	(41.4)
6.08	(154.5)	88	0.91	(23.0)	1.62	(41.1)
6.06	(154.0)	91	0.92	(23.5)	1.61	(40.9)
6.04	(153.5)	94	0.93	(23.5)	1.60	(40.6)
6.02	(153.0)	97	0.94	(24.0)	1.59	(40.4)
6.00	(152.5)	100	0.95	(24.0)	1.58	(40.1)
5.98	(152.0)	103	0.96	(24.5)	1.57	(39.9)
5.96	(151.5)	106	0.97	(24.5)	1.56	(39.6)
5.94	(151.0)	109	0.98	(25.0)	1.55	(39.4)
5.92	(150.5)	112	0.99	(25.0)	1.54	(39.1)
5.90	(150.0)	115	1.00	(25.5)	1.53	(38.9)
5.88	(149.5)	118	1.01	(25.5)	1.52	(38.6)
5.86	(149.0)	121	1.02	(26.0)	1.51	(38.4)

Flange diameter is 7.91" (201 mm)

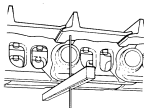
Undercarriage Code: 560

NOTES

EL200B, E200B — 7.50" (190 mm)

Track Links

9W3137 & 38



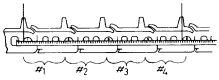


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
4.17	(106.0)	0	1.21	(30.7)
4.15	(105.5)	9	1.19	(30.2)
4.13	(105.0)	16	1.17	(29.7)
4.11	(104.5)	23	1.15	(29.2)
4.09	(104.0)	30	1.13	(28.7)
4.07	(103.5)	37	1.11	(28.2)
4.05	(103.0)	44	1.09	(27.7)
4.03	(102.5)	51	1.07	(27.2)
4.01	(102.0)	58	1.05	(26.7)
3.99	(101.5)	65	1.03	(26.2)
3.97	(101.0)	72	1.01	(25.7)
3.95	(100.5)	79	0.99	(25.1)
3.93	(100.0)	86	0.97	(24.6)
3.91	(99.5)	93	0.95	(24.1)
3.89	(99.0)	100	0.93	(23.6)
3.87	(98.5)	107	0.91	(23.1)
3.85	(98.0)	114	0.89	(22.6)
3.83	(97.5)	121	0.87	(22.1)

Undercarriage Code: 565

Pins and Bushings for Sealed Track

Internal Wear



Inches	(mm)	% Worn
29.95	(760.5)	0
30.00	(762.0)	10
30.05	(763.5)	20
30.10	(764.5)	30
30.15	(766.0)	40
30.20	(767.0)	50
30.25	(768.5)	60
30.30	(769.5)	70
30.35	(771.0)	80
30.40	(772.0)	90
30.45	(773.5)	100
30.50	(774.5)	105
30.55	(776.0)	110
30.60	(777.0)	115
30.65	(778.5)	120

Bushings for Sealed Track

External Wear

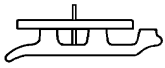


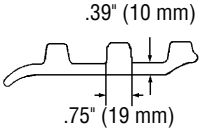


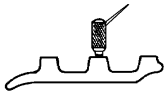
Caliper Inches	Caliper (mm)	Allowable Wear Lesser % Worn	Allowable Wear Greater % Worn	Ultrasonic Inches	Ultrasonic (mm)
2.33	(59.2)	0	0	0.42	(10.7)
2.32	(58.9)	10	6	0.41	(10.4)
2.31	(58.7)	20	12	0.40	(10.2)
2.30	(58.4)	30	18	0.39	(9.9)
2.29	(58.2)	40	24	0.38	(9.7)
2.28	(57.9)	50	30	0.37	(9.4)
2.27	(57.7)	60	36	0.36	(9.1)
2.26	(57.4)	70	42	0.35	(8.9)
2.25	(57.2)	75	48	0.34	(8.6)
2.24	(56.9)	80	54	0.33	(8.4)
2.23	(56.6)	85	60	0.32	(8.1)
2.22	(56.4)	90	66	0.31	(7.9)
2.21	(56.1)	95	72	0.30	(7.6)
2.20	(55.9)	100	78	0.29	(7.4)
2.19	(55.6)	105	82	0.28	(7.1)
2.18	(55.4)	110	85	0.27	(6.9)
2.17	(55.1)	115	88	0.26	(6.6)
2.16	(54.9)	120	91	0.25	(6.4)
2.15	(54.6)		94	0.24	(6.1)
2.14	(54.4)		97	0.23	(5.8)
2.13	(54.1)		100	0.22	(5.6)
2.12	(53.8)		103	0.21	(5.3)
2.11	(53.6)		106	0.20	(5.1)
2.10	(53.3)		109	0.19	(4.8)
2.09	(53.1)		112	0.18	(4.6)
2.08	(52.8)		115	0.17	(4.3)
2.07	(52.6)		118	0.16	(4.1)
2.06	(52.3)		121	0.15	(3.8)

Track Shoes

Triple Grouser





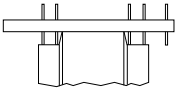


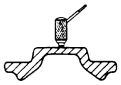
Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
1.00	(25.5)	0	1.42	(36.0)
0.95	(24.0)	7	1.37	(34.7)
0.90	(23.0)	14	1.32	(33.5)
0.85	(21.5)	21	1.27	(32.2)
0.80	(20.5)	28	1.22	(30.9)
0.75	(19.0)	35	1.17	(29.7)
0.70	(18.0)	42	1.12	(28.4)
0.65	(16.5)	49	1.07	(27.1)
0.60	(15.0)	56	1.02	(25.8)
0.55	(14.0)	63	0.97	(24.6)
0.50	(12.5)	70	0.92	(23.3)
0.45	(11.5)	76	0.87	(22.0)
0.40	(10.0)	82	0.82	(20.8)
0.35	(9.0)	88	0.77	(19.5)
0.30	(7.5)	94	0.72	(18.2)
0.25	(6.5)	100	0.67	(17.0)
0.20	(5.0)	106	0.62	(15.7)
0.15	(4.0)	112	0.57	(14.4)
0.10	(2.5)	118	0.52	(13.1)
0.05	(1.5)	124	0.47	(11.9)

Undercarriage Code: 565

EL200B, E200B — 7.50" (190 mm)

Idlers





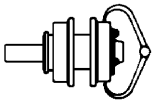
Depth Gauge Inches	(mm)	% Worn
0.76	(19.5)	0
0.78	(20.0)	12
0.80	(20.5)	24
0.82	(21.0)	36
0.84	(21.5)	48
0.86	(22.0)	60
0.88	(22.5)	72
0.90	(23.0)	76
0.92	(23.5)	80
0.94	(24.0)	84
0.96	(24.5)	88
0.98	(25.0)	92
1.00	(25.5)	96
1.02	(26.0)	100
1.04	(26.5)	104
1.06	(27.0)	108
1.08	(27.5)	112
1.10	(28.0)	116
1.12	(28.5)	120

Flange width: 2.69" (68.5 mm)

Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.38	(9.7)	0.00	(0.0)
0.36	(9.1)	0.02	(0.5)
0.34	(8.6)	0.04	(1.0)
0.32	(8.1)	0.06	(1.5)
0.30	(7.6)	0.08	(2.0)
0.28	(7.1)	0.10	(2.5)
0.26	(6.6)	0.12	(3.0)
0.24	(6.1)	0.14	(3.5)
0.22	(5.6)	0.16	(4.0)
0.20	(5.1)	0.18	(4.5)
0.18	(4.6)	0.20	(5.0)
0.16	(4.1)	0.22	(5.5)
0.14	(3.6)	0.24	(6.0)
0.12	(3.0)	0.26	(6.5)
0.10	(2.5)	0.28	(7.0)
0.08	(2.0)	0.30	(7.5)
0.06	(1.5)	0.32	(8.0)
0.04	(1.0)	0.34	(8.5)
0.02	(0.5)	0.36	(9.0)

NOTE: Ultrasonic measurement is to determine flange wear only.

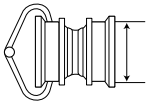
Carrier Rollers

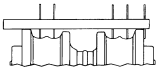


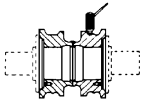
Caliper Inches	(mm)	% Worn
4.72	(120.0)	0
4.68	(119.0)	6
4.64	(118.0)	12
4.60	(117.0)	18
4.56	(116.0)	24
4.52	(115.0)	30
4.48	(114.0)	36
4.44	(113.0)	42
4.40	(112.0)	48
4.36	(110.5)	54
4.32	(109.5)	60
4.28	(108.5)	66
4.24	(107.5)	72
4.20	(106.5)	76
4.16	(105.5)	80
4.12	(104.5)	84
4.08	(103.5)	88
4.04	(102.5)	92
4.00	(101.5)	96
3.96	(100.5)	100
3.92	(99.5)	104
3.88	(98.5)	108
3.84	(97.5)	112
3.80	(96.5)	116
3.76	(95.5)	120

EL200B, E200B — 7.50" (190 mm)

Track Rollers







Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
5.90	(150.0)	0	0.69	(17.5)	1.69	(42.9)
5.88	(149.5)	5	0.70	(18.0)	1.68	(42.7)
5.86	(149.0)	10	0.71	(18.0)	1.67	(42.4)
5.84	(148.5)	15	0.72	(18.5)	1.66	(42.2)
5.82	(148.0)	20	0.73	(18.5)	1.65	(41.9)
5.80	(147.5)	25	0.74	(19.0)	1.64	(41.7)
5.78	(147.0)	30	0.75	(19.0)	1.63	(41.4)
5.76	(146.5)	35	0.76	(19.5)	1.62	(41.1)
5.74	(146.0)	40	0.77	(19.5)	1.61	(40.9)
5.72	(145.5)	43	0.78	(20.0)	1.60	(40.6)
5.70	(145.0)	46	0.79	(20.0)	1.59	(40.4)
5.68	(144.5)	49	0.80	(20.5)	1.58	(40.1)
5.66	(144.0)	52	0.81	(20.5)	1.57	(39.9)
5.64	(143.5)	55	0.82	(21.0)	1.56	(39.6)
5.62	(142.5)	58	0.83	(21.0)	1.55	(39.4)
5.60	(142.0)	61	0.84	(21.5)	1.54	(39.1)
5.58	(141.5)	64	0.85	(21.5)	1.53	(38.9)
5.56	(141.0)	67	0.86	(22.0)	1.52	(38.6)
5.54	(140.5)	70	0.87	(22.0)	1.51	(38.4)
5.52	(140.0)	73	0.88	(22.5)	1.50	(38.1)
5.50	(139.5)	76	0.89	(22.5)	1.49	(37.8)
5.48	(139.0)	79	0.90	(23.0)	1.48	(37.6)
5.46	(138.5)	82	0.91	(23.0)	1.47	(37.3)
5.44	(138.0)	85	0.92	(23.5)	1.46	(37.1)
5.42	(137.5)	88	0.93	(23.5)	1.45	(36.8)
5.40	(137.0)	91	0.94	(24.0)	1.44	(36.6)
5.38	(136.5)	94	0.95	(24.0)	1.43	(36.3)
5.36	(136.0)	97	0.96	(24.5)	1.42	(36.1)
5.34	(135.5)	100	0.97	(24.5)	1.41	(35.8)
5.32	(135.0)	103	0.98	(25.0)	1.40	(35.6)
5.30	(134.5)	106	0.99	(25.0)	1.39	(35.3)
5.28	(134.0)	109	1.00	(25.5)	1.38	(35.1)
5.26	(133.5)	112	1.01	(25.5)	1.37	(34.8)
5.24	(133.0)	115	1.02	(26.0)	1.36	(34.5)
5.22	(132.5)	118	1.03	(26.0)	1.35	(34.3)
5.20	(132.0)	121	1.04	(26.5)	1.34	(34.0)

Flange diameter is 7.28" (185 mm)

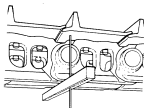
Undercarriage Code: 565

NOTES

EL240B, E240B, EL240, E240 — 7.50" (190 mm)

Track Links

9W3137 & 38
0965252 & 58



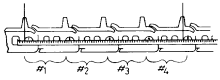


Depth Gauge			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
4.17	(106.0)	0	1.21	(30.7)
4.15	(105.5)	9	1.19	(30.2)
4.13	(105.0)	16	1.17	(29.7)
4.11	(104.5)	23	1.15	(29.2)
4.09	(104.0)	30	1.13	(28.7)
4.07	(103.5)	37	1.11	(28.2)
4.05	(103.0)	44	1.09	(27.7)
4.03	(102.5)	51	1.07	(27.2)
4.01	(102.0)	58	1.05	(26.7)
3.99	(101.5)	65	1.03	(26.2)
3.97	(101.0)	72	1.01	(25.7)
3.95	(100.5)	79	0.99	(25.1)
3.93	(100.0)	86	0.97	(24.6)
3.91	(99.5)	93	0.95	(24.1)
3.89	(99.0)	100	0.93	(23.6)
3.87	(98.5)	107	0.91	(23.1)
3.85	(98.0)	114	0.89	(22.6)
3.83	(97.5)	121	0.87	(22.1)

Undercarriage Code: 590

Pins and Bushings for Sealed Track

Internal Wear



Inches	(mm)	% Worn
29.95	(760.5)	0
30.00	(762.0)	10
30.05	(763.5)	20
30.10	(764.5)	30
30.15	(766.0)	40
30.20	(767.0)	50
30.25	(768.5)	60
30.30	(769.5)	70
30.35	(771.0)	80
30.40	(772.0)	90
30.45	(773.5)	100
30.50	(774.5)	105
30.55	(776.0)	110
30.60	(777.0)	115
30.65	(778.5)	120

EL240B, E240B, EL240, E240 — 7.50" (190 mm)

Bushings for Sealed Track

External Wear



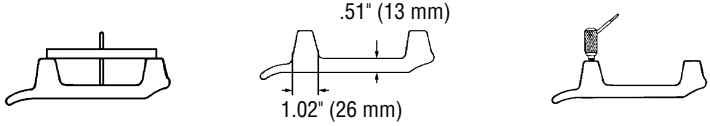


Caliper Inches	Caliper (mm)	Allowable Wear Lesser % Worn	Allowable Wear Greater % Worn	Ultrasonic Inches	Ultrasonic (mm)
2.33	(59.2)	0	0	0.42	(10.7)
2.32	(58.9)	10	6	0.41	(10.4)
2.31	(58.7)	20	12	0.40	(10.2)
2.30	(58.4)	30	18	0.39	(9.9)
2.29	(58.2)	40	24	0.38	(9.7)
2.28	(57.9)	50	30	0.37	(9.4)
2.27	(57.7)	60	36	0.36	(9.1)
2.26	(57.4)	70	42	0.35	(8.9)
2.25	(57.2)	75	48	0.34	(8.6)
2.24	(56.9)	80	54	0.33	(8.4)
2.23	(56.6)	85	60	0.32	(8.1)
2.22	(56.4)	90	66	0.31	(7.9)
2.21	(56.1)	95	72	0.30	(7.6)
2.20	(55.9)	100	78	0.29	(7.4)
2.19	(55.6)	105	82	0.28	(7.1)
2.18	(55.4)	110	85	0.27	(6.9)
2.17	(55.1)	115	88	0.26	(6.6)
2.16	(54.9)	120	91	0.25	(6.4)
2.15	(54.6)		94	0.24	(6.1)
2.14	(54.4)		97	0.23	(5.8)
2.13	(54.1)		100	0.22	(5.6)
2.12	(53.8)		103	0.21	(5.3)
2.11	(53.6)		106	0.20	(5.1)
2.10	(53.3)		109	0.19	(4.8)
2.09	(53.1)		112	0.18	(4.6)
2.08	(52.8)		115	0.17	(4.3)
2.07	(52.6)		118	0.16	(4.1)
2.06	(52.3)		121	0.15	(3.8)

Undercarriage Code: 590

Track Shoes

Double Grouser



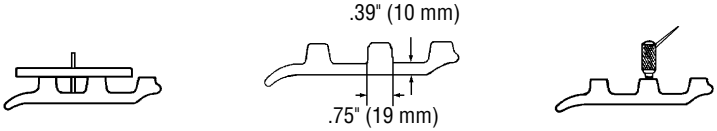
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.40	(35.5)	0	1.89	(48.0)
1.35	(34.5)	8	1.84	(46.7)
1.30	(33.0)	16	1.79	(45.5)
1.25	(32.0)	24	1.74	(44.2)
1.20	(30.5)	32	1.69	(42.9)
1.15	(29.0)	40	1.64	(41.7)
1.10	(28.0)	48	1.59	(40.4)
1.05	(26.5)	56	1.54	(39.1)
1.00	(25.5)	64	1.49	(37.8)
0.95	(24.0)	72	1.44	(36.6)
0.90	(23.0)	79	1.39	(35.3)
0.85	(21.5)	86	1.34	(34.0)
0.80	(20.5)	93	1.29	(32.8)
0.75	(19.0)	100	1.24	(31.5)
0.70	(18.0)	107	1.19	(30.2)
0.65	(16.5)	114	1.14	(29.0)
0.60	(15.0)	121	1.09	(27.7)

Undercarriage Code: 590

EL240B, E240B, EL240, E240 — 7.50" (190 mm)

Track Shoes

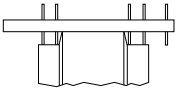
Triple Grouser

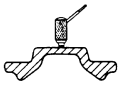


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.00	(25.5)	0	1.42	(36.0)
0.95	(24.0)	7	1.37	(34.7)
0.90	(23.0)	14	1.32	(33.5)
0.85	(21.5)	21	1.27	(32.2)
0.80	(20.5)	28	1.22	(30.9)
0.75	(19.0)	35	1.17	(29.7)
0.70	(18.0)	42	1.12	(28.4)
0.65	(16.5)	49	1.07	(27.1)
0.60	(15.0)	56	1.02	(25.8)
0.55	(14.0)	63	0.97	(24.6)
0.50	(12.5)	70	0.92	(23.3)
0.45	(11.5)	76	0.87	(22.0)
0.40	(10.0)	82	0.82	(20.8)
0.35	(9.0)	88	0.77	(19.5)
0.30	(7.5)	94	0.72	(18.2)
0.25	(6.5)	100	0.67	(17.0)
0.20	(5.0)	106	0.62	(15.7)
0.15	(4.0)	112	0.57	(14.4)
0.10	(2.5)	118	0.52	(13.1)
0.05	(1.5)	124	0.47	(11.9)

Undercarriage Code: 590

Idlers





Depth Gauge Inches	(mm)	% Worn
0.78	(20.0)	0
0.80	(20.5)	12
0.82	(21.0)	24
0.84	(21.5)	36
0.86	(22.0)	48
0.88	(22.5)	60
0.90	(23.0)	72
0.92	(23.5)	76
0.94	(24.0)	80
0.96	(24.5)	84
0.98	(25.0)	88
1.00	(25.5)	92
1.02	(26.0)	96
1.04	(26.5)	100
1.06	(27.0)	104
1.08	(27.5)	108
1.10	(28.0)	112
1.12	(28.5)	116
1.14	(29.0)	120

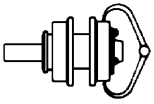
Flange width: 3.19" (81 mm)

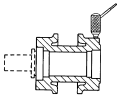
Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.74	(18.8)	0.00	(0.0)
0.72	(18.3)	0.02	(0.5)
0.70	(17.8)	0.04	(1.0)
0.68	(17.3)	0.06	(1.5)
0.66	(16.8)	0.08	(2.0)
0.64	(16.3)	0.10	(2.5)
0.62	(15.7)	0.12	(3.0)
0.60	(15.2)	0.14	(3.5)
0.58	(14.7)	0.16	(4.0)
0.56	(14.2)	0.18	(4.5)
0.54	(13.7)	0.20	(5.0)
0.52	(13.2)	0.22	(5.5)
0.50	(12.7)	0.24	(6.0)
0.48	(12.2)	0.26	(6.5)
0.46	(11.7)	0.28	(7.0)
0.44	(11.2)	0.30	(7.5)
0.42	(10.7)	0.32	(8.0)
0.40	(10.2)	0.34	(8.5)
0.38	(9.7)	0.36	(9.0)

NOTE: Ultrasonic measurement is to determine flange wear only.

EL240B, E240B, EL240, E240 — 7.50" (190 mm)

Carrier Rollers

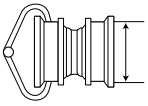


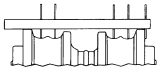


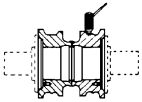
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
5.12	(130.0)	0	0.89	(22.6)
5.10	(129.5)	8	0.88	(22.4)
5.08	(129.0)	16	0.87	(22.1)
5.06	(128.5)	24	0.86	(21.8)
5.04	(128.0)	32	0.85	(21.6)
5.02	(127.5)	40	0.84	(21.3)
5.00	(127.0)	48	0.83	(21.1)
4.98	(126.5)	56	0.82	(20.8)
4.96	(126.0)	64	0.81	(20.6)
4.94	(125.5)	68	0.80	(20.3)
4.92	(125.0)	72	0.79	(20.1)
4.90	(124.5)	76	0.78	(19.8)
4.88	(124.0)	80	0.77	(19.6)
4.86	(123.5)	84	0.76	(19.3)
4.84	(123.0)	88	0.75	(19.1)
4.82	(122.5)	92	0.74	(18.8)
4.80	(122.0)	96	0.73	(18.5)
4.78	(121.5)	100	0.72	(18.3)
4.76	(121.0)	104	0.71	(18.0)
4.74	(120.5)	108	0.70	(17.8)
4.72	(120.0)	112	0.69	(17.5)
4.70	(119.5)	116	0.68	(17.3)
4.68	(119.0)	120	0.67	(17.0)

Undercarriage Code: 590

Track Rollers







Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
6.50	(165.0)	0	0.70	(18.0)	1.83	(46.5)
6.48	(164.5)	5	0.71	(18.0)	1.82	(46.2)
6.46	(164.0)	10	0.72	(18.5)	1.81	(46.0)
6.44	(163.5)	15	0.73	(18.5)	1.80	(45.7)
6.42	(163.0)	20	0.74	(19.0)	1.79	(45.5)
6.40	(162.5)	25	0.75	(19.0)	1.78	(45.2)
6.38	(162.0)	30	0.76	(19.5)	1.77	(45.0)
6.36	(161.5)	35	0.77	(19.5)	1.76	(44.7)
6.34	(161.0)	40	0.78	(20.0)	1.75	(44.5)
6.32	(160.5)	43	0.79	(20.0)	1.74	(44.2)
6.30	(160.0)	46	0.80	(20.5)	1.73	(43.9)
6.28	(159.5)	49	0.81	(20.5)	1.72	(43.7)
6.26	(159.0)	52	0.82	(21.0)	1.71	(43.4)
6.24	(158.5)	55	0.83	(21.0)	1.70	(43.2)
6.22	(158.0)	58	0.84	(21.5)	1.69	(42.9)
6.20	(157.5)	61	0.85	(21.5)	1.68	(42.7)
6.18	(157.0)	64	0.86	(22.0)	1.67	(42.4)
6.16	(156.5)	67	0.87	(22.0)	1.66	(42.2)
6.14	(156.0)	70	0.88	(22.5)	1.65	(41.9)
6.12	(155.5)	73	0.89	(22.5)	1.64	(41.7)
6.10	(155.0)	76	0.90	(23.0)	1.63	(41.4)
6.08	(154.5)	79	0.91	(23.0)	1.62	(41.1)
6.06	(154.0)	82	0.92	(23.5)	1.61	(40.9)
6.04	(153.5)	85	0.93	(23.5)	1.60	(40.6)
6.02	(153.0)	88	0.94	(24.0)	1.59	(40.4)
6.00	(152.5)	91	0.95	(24.0)	1.58	(40.1)
5.98	(152.0)	94	0.96	(24.5)	1.57	(39.9)
5.96	(151.5)	97	0.97	(24.5)	1.56	(39.6)
5.94	(151.0)	100	0.98	(25.0)	1.55	(39.4)
5.92	(150.5)	103	0.99	(25.0)	1.54	(39.1)
5.90	(150.0)	106	1.00	(25.5)	1.53	(38.9)
5.88	(149.5)	109	1.01	(25.5)	1.52	(38.6)
5.86	(149.0)	112	1.02	(26.0)	1.51	(38.4)
5.84	(148.5)	115	1.03	(26.0)	1.50	(38.1)
5.82	(148.0)	118	1.04	(26.5)	1.49	(37.8)
5.80	(147.5)	121	1.05	(26.5)	1.48	(37.6)

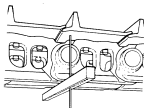
Flange diameter is 7.91" (201 mm)

Undercarriage Code: 590

E300B, EL300B, EL300 — 8.00" (203.2 mm)

Track Links

960263 & 64



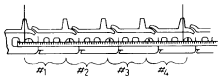


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
4.58	(116.5)	0	1.22	(31.0)
4.56	(116.0)	7	1.20	(30.5)
4.54	(115.5)	14	1.18	(30.0)
4.52	(115.0)	21	1.16	(29.5)
4.50	(114.5)	28	1.14	(29.0)
4.48	(114.0)	35	1.12	(28.4)
4.46	(113.5)	42	1.10	(27.9)
4.44	(113.0)	49	1.08	(27.4)
4.42	(112.5)	56	1.06	(26.9)
4.40	(112.0)	63	1.04	(26.4)
4.38	(111.5)	70	1.02	(25.9)
4.36	(110.5)	75	1.00	(25.4)
4.34	(110.0)	80	0.98	(24.9)
4.32	(109.5)	85	0.96	(24.4)
4.30	(109.0)	90	0.94	(23.9)
4.28	(108.5)	95	0.92	(23.4)
4.26	(108.0)	100	0.90	(22.9)
4.24	(107.5)	105	0.88	(22.4)
4.22	(107.0)	110	0.86	(21.8)
4.20	(106.5)	115	0.84	(21.3)
4.18	(106.0)	120	0.82	(20.8)

Undercarriage Code: 607, 608

Pins and Bushings for Sealed Track

Internal Wear



Inches	(mm)	% Worn
32.00	(813.0)	0
32.05	(814.0)	10
32.10	(815.5)	20
32.15	(816.5)	30
32.20	(818.0)	40
32.25	(819.0)	50
32.30	(820.5)	60
32.35	(821.5)	70
32.40	(823.0)	80
32.45	(824.0)	90
32.50	(825.5)	100
32.55	(827.0)	105
32.60	(828.0)	110
32.65	(829.5)	115
32.70	(830.5)	120

Undercarriage Code: 607, 608

E300B, EL300B, EL300 — 8.00" (203.2 mm)

Bushings for Sealed Track

External Wear



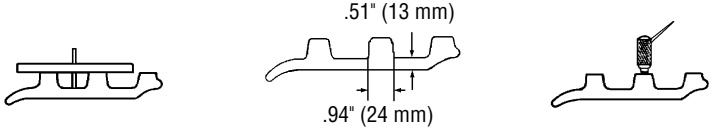


Caliper		Allowable Wear		Ultrasonic	
		Lesser	Greater		
Inches	(mm)	% Worn	% Worn	Inches	(mm)
2.62	(66.5)	0	0	0.43	(10.9)
2.61	(66.3)	9	7	0.42	(10.7)
2.60	(66.0)	18	14	0.41	(10.4)
2.59	(65.8)	27	21	0.40	(10.2)
2.58	(65.5)	36	28	0.39	(9.9)
2.57	(65.3)	45	35	0.38	(9.7)
2.56	(65.0)	54	42	0.37	(9.4)
2.55	(64.8)	63	49	0.36	(9.1)
2.54	(64.5)	72	56	0.35	(8.9)
2.53	(64.3)	81	63	0.34	(8.6)
2.52	(64.0)	90	70	0.33	(8.4)
2.51	(63.8)	96	76	0.32	(8.1)
2.50	(63.5)	100	79	0.31	(7.9)
2.49	(63.2)	104	82	0.30	(7.6)
2.48	(63.0)	108	85	0.29	(7.4)
2.47	(62.7)	112	88	0.28	(7.1)
2.46	(62.5)	116	91	0.27	(6.9)
2.45	(62.2)	120	94	0.26	(6.6)
2.44	(62.0)		97	0.25	(6.3)
2.43	(61.7)		100	0.24	(6.1)
2.42	(61.5)		103	0.23	(5.8)
2.41	(61.2)		106	0.22	(5.6)
2.40	(61.0)		109	0.21	(5.3)
2.39	(60.7)		112	0.20	(5.1)
2.38	(60.5)		115	0.19	(4.8)
2.37	(60.2)		118	0.18	(4.6)
2.36	(59.9)		121	0.17	(4.3)

Undercarriage Code: 607, 608

Track Shoes

Triple Grouser
31.5" (800 mm) and 35.4" (900 mm) Shoe Widths



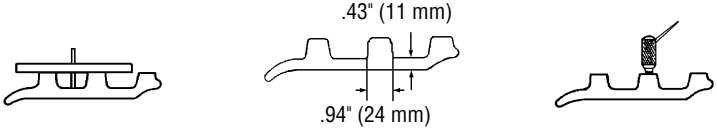
Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
1.20	(30.5)	0	1.70	(43.2)
1.15	(29.0)	8	1.65	(41.9)
1.10	(28.0)	16	1.60	(40.6)
1.05	(26.5)	23	1.55	(39.4)
1.00	(25.5)	30	1.50	(38.1)
0.95	(24.0)	37	1.45	(36.8)
0.90	(23.0)	44	1.40	(35.6)
0.85	(21.5)	51	1.35	(34.3)
0.80	(20.5)	58	1.30	(33.0)
0.75	(19.0)	65	1.25	(31.8)
0.70	(18.0)	72	1.20	(30.5)
0.65	(16.5)	79	1.15	(29.2)
0.60	(15.0)	86	1.10	(27.9)
0.55	(14.0)	93	1.05	(26.7)
0.50	(12.5)	100	1.00	(25.4)
0.45	(11.5)	107	0.95	(24.1)
0.40	(10.0)	114	0.90	(22.9)
0.35	(9.0)	121	0.85	(21.6)

Undercarriage Code: 607

E300B, EL300B, EL300 — 8.00" (203.2 mm)

Track Shoes

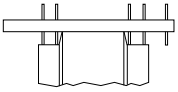
Triple Grouser
23.6" (600 mm) Shoe Widths

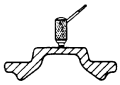


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.00	(25.5)	0	1.45	(36.8)
0.95	(24.0)	10	1.40	(35.6)
0.90	(23.0)	20	1.35	(34.3)
0.85	(21.5)	30	1.30	(33.0)
0.80	(20.5)	40	1.25	(31.8)
0.75	(19.0)	50	1.20	(30.5)
0.70	(18.0)	60	1.15	(29.2)
0.65	(16.5)	70	1.10	(27.9)
0.60	(15.0)	80	1.05	(26.7)
0.55	(14.0)	90	1.00	(25.4)
0.50	(12.5)	100	0.95	(24.1)
0.45	(11.5)	110	0.90	(22.9)
0.40	(10.0)	120	0.85	(21.6)

Undercarriage Code: 608

Idlers





Depth Gauge Inches	(mm)	% Worn
0.88	(22.5)	0
0.90	(23.0)	12
0.92	(23.5)	24
0.94	(24.0)	36
0.96	(24.5)	48
0.98	(25.0)	60
1.00	(25.5)	72
1.02	(26.0)	76
1.04	(26.5)	80
1.06	(27.0)	84
1.08	(27.5)	88
1.10	(28.0)	92
1.12	(28.5)	96
1.14	(29.0)	100
1.16	(29.5)	104
1.18	(30.0)	108
1.20	(30.5)	112
1.22	(31.0)	116
1.24	(31.5)	120

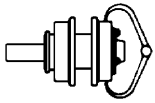
Flange width: 2.69" (68.3 mm)

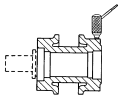
Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.82	(20.8)	0.00	(0.0)
0.80	(20.3)	0.02	(0.5)
0.78	(19.8)	0.04	(1.0)
0.76	(19.3)	0.06	(1.5)
0.74	(18.8)	0.08	(2.0)
0.72	(18.3)	0.10	(2.5)
0.70	(17.8)	0.12	(3.0)
0.68	(17.3)	0.14	(3.5)
0.66	(16.8)	0.16	(4.0)
0.64	(16.3)	0.18	(4.5)
0.62	(15.7)	0.20	(5.0)
0.60	(15.2)	0.22	(5.5)
0.58	(14.7)	0.24	(6.0)
0.56	(14.2)	0.26	(6.5)
0.54	(13.7)	0.28	(7.0)
0.52	(13.2)	0.30	(7.5)
0.50	(12.7)	0.32	(8.0)
0.48	(12.2)	0.34	(8.5)
0.46	(11.7)	0.36	(9.0)

NOTE: Ultrasonic measurement is to determine flange wear only.

E300B, EL300B, EL300 — 8.00" (203.2 mm)

Carrier Rollers

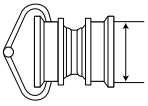


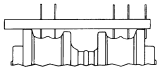


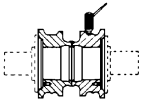
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
5.12	(130.0)	0	0.89	(22.6)
5.10	(129.5)	8	0.88	(22.4)
5.08	(129.0)	16	0.87	(22.1)
5.06	(128.5)	24	0.86	(21.8)
5.04	(128.0)	32	0.85	(21.6)
5.02	(127.5)	40	0.84	(21.3)
5.00	(127.0)	48	0.83	(21.1)
4.98	(126.5)	56	0.82	(20.8)
4.96	(126.0)	64	0.81	(20.6)
4.94	(125.5)	72	0.80	(20.3)
4.92	(125.0)	76	0.79	(20.1)
4.90	(124.5)	80	0.78	(19.8)
4.88	(124.0)	84	0.77	(19.6)
4.86	(123.5)	88	0.76	(19.3)
4.84	(123.0)	92	0.75	(19.1)
4.82	(122.5)	96	0.74	(18.8)
4.80	(122.0)	100	0.73	(18.5)
4.78	(121.5)	104	0.72	(18.3)
4.76	(121.0)	108	0.71	(18.0)
4.74	(120.5)	112	0.70	(17.8)
4.72	(120.0)	116	0.69	(17.5)
4.70	(119.5)	120	0.68	(17.3)

Undercarriage Code: 607, 608

Track Rollers







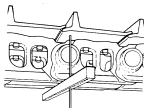
Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
7.09	(180.0)	0	0.63	(16.0)	2.01	(51.1)
7.07	(179.5)	4	0.64	(16.5)	2.00	(50.8)
7.05	(179.0)	8	0.65	(16.5)	1.99	(50.5)
7.03	(178.5)	12	0.66	(17.0)	1.98	(50.3)
7.01	(178.0)	16	0.67	(17.0)	1.97	(50.0)
6.99	(177.5)	20	0.68	(17.5)	1.96	(49.8)
6.97	(177.0)	24	0.69	(17.5)	1.95	(49.5)
6.95	(176.5)	28	0.70	(18.0)	1.94	(49.3)
6.93	(176.0)	32	0.71	(18.0)	1.93	(49.0)
6.91	(175.5)	36	0.72	(18.5)	1.92	(48.8)
6.89	(175.0)	40	0.73	(18.5)	1.91	(48.5)
6.87	(174.5)	44	0.74	(19.0)	1.90	(48.3)
6.85	(174.0)	48	0.75	(19.0)	1.89	(48.0)
6.83	(173.5)	52	0.76	(19.5)	1.88	(47.8)
6.81	(173.0)	56	0.77	(19.5)	1.87	(47.5)
6.79	(172.5)	60	0.78	(20.0)	1.86	(47.2)
6.77	(172.0)	64	0.79	(20.0)	1.85	(47.0)
6.75	(171.5)	68	0.80	(20.5)	1.84	(46.7)
6.73	(171.0)	70	0.81	(20.5)	1.83	(46.5)
6.71	(170.5)	72	0.82	(21.0)	1.82	(46.2)
6.69	(170.0)	74	0.83	(21.0)	1.81	(46.0)
6.67	(169.5)	76	0.84	(21.5)	1.80	(45.7)
6.65	(169.0)	78	0.85	(21.5)	1.79	(45.5)
6.63	(168.5)	80	0.86	(22.0)	1.78	(45.2)
6.61	(168.0)	82	0.87	(22.0)	1.77	(45.0)
6.59	(167.5)	84	0.88	(22.5)	1.76	(44.7)
6.57	(167.0)	86	0.89	(22.5)	1.75	(44.5)
6.55	(166.5)	88	0.90	(23.0)	1.74	(44.2)
6.53	(166.0)	90	0.91	(23.0)	1.73	(43.9)
6.51	(165.5)	92	0.92	(23.5)	1.72	(43.7)
6.49	(165.0)	94	0.93	(23.5)	1.71	(43.4)
6.47	(164.5)	96	0.94	(24.0)	1.70	(43.2)
6.45	(164.0)	98	0.95	(24.0)	1.69	(42.9)
6.43	(163.5)	100	0.96	(24.5)	1.68	(42.7)
6.41	(163.0)	102	0.97	(24.5)	1.67	(42.4)
6.39	(162.5)	104	0.98	(25.0)	1.66	(42.2)
6.37	(162.0)	106	0.99	(25.0)	1.65	(41.9)
6.35	(161.5)	108	1.00	(25.5)	1.64	(41.7)
6.33	(161.0)	110	1.01	(25.5)	1.63	(41.4)
6.31	(160.5)	112	1.02	(26.0)	1.62	(41.1)
6.29	(160.0)	114	1.03	(26.0)	1.61	(40.9)
6.27	(159.5)	116	1.04	(26.5)	1.60	(40.6)
6.25	(159.0)	118	1.05	(26.5)	1.59	(40.4)
6.23	(158.0)	120	1.06	(27.0)	1.58	(40.1)

Flange diameter is 8.35" (212 mm)

Undercarriage Code: 607, 608

Track Links

965252 & 58



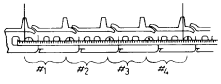


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
4.21	(107.0)	0	1.12	(28.4)
4.19	(106.5)	7	1.10	(27.9)
4.17	(106.0)	14	1.08	(27.4)
4.15	(105.5)	21	1.06	(26.9)
4.13	(105.0)	28	1.04	(26.4)
4.11	(104.5)	35	1.02	(25.9)
4.09	(104.0)	42	1.00	(25.4)
4.07	(103.5)	49	0.98	(24.9)
4.05	(103.0)	56	0.96	(24.4)
4.03	(102.5)	63	0.94	(23.9)
4.01	(102.0)	70	0.92	(23.4)
3.99	(101.5)	75	0.90	(22.9)
3.97	(101.0)	80	0.88	(22.4)
3.95	(100.5)	85	0.86	(21.8)
3.93	(100.0)	90	0.84	(21.3)
3.91	(99.5)	95	0.82	(20.8)
3.89	(99.0)	100	0.80	(20.3)
3.87	(98.5)	105	0.78	(19.8)
3.85	(98.0)	110	0.76	(19.3)
3.83	(97.5)	115	0.74	(18.8)
3.81	(97.0)	120	0.72	(18.3)

Undercarriage Code: 605, 606

Pins and Bushings for Sealed Track

Internal Wear



Inches	(mm)	% Worn
29.95	(760.5)	0
30.00	(762.0)	10
30.05	(763.5)	20
30.10	(764.5)	30
30.15	(766.0)	40
30.20	(767.0)	50
30.25	(768.5)	60
30.30	(769.5)	70
30.35	(771.0)	80
30.40	(772.0)	90
30.45	(773.5)	100
30.50	(774.5)	105
30.55	(776.0)	110
30.60	(777.0)	115
30.65	(778.5)	120

Undercarriage Code: 605, 606

Bushings for Sealed Track

External Wear

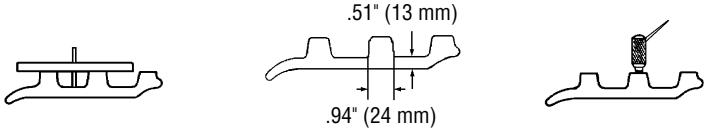




Caliper		Allowable Wear		Ultrasonic	
		Lesser	Greater		
Inches	(mm)	% Worn	% Worn	Inches	(mm)
2.32	(58.9)	0	0	0.40	(10.2)
2.31	(58.7)	10	7	0.39	(9.9)
2.30	(58.4)	20	14	0.38	(9.7)
2.29	(58.2)	30	21	0.37	(9.4)
2.28	(57.9)	40	28	0.36	(9.1)
2.27	(57.7)	50	35	0.35	(8.9)
2.26	(57.4)	60	42	0.34	(8.6)
2.25	(57.2)	70	49	0.33	(8.4)
2.24	(56.9)	80	56	0.32	(8.1)
2.23	(56.6)	90	63	0.31	(7.9)
2.22	(56.4)	95	68	0.30	(7.6)
2.21	(56.1)	100	72	0.29	(7.4)
2.20	(55.9)	105	76	0.28	(7.1)
2.19	(55.6)	110	80	0.27	(6.9)
2.18	(55.4)	115	84	0.26	(6.6)
2.17	(55.1)	120	88	0.25	(6.4)
2.16	(54.9)		92	0.24	(6.1)
2.15	(54.6)		96	0.23	(5.8)
2.14	(54.4)		100	0.22	(5.6)
2.13	(54.1)		104	0.21	(5.3)
2.12	(53.8)		108	0.20	(5.1)
2.11	(53.6)		112	0.19	(4.8)
2.10	(53.3)		116	0.18	(4.6)
2.09	(53.1)		120	0.17	(4.3)

Track Shoes

Triple Grouser
31.5" (800 mm) and 35.4" (900 mm) Shoe Widths



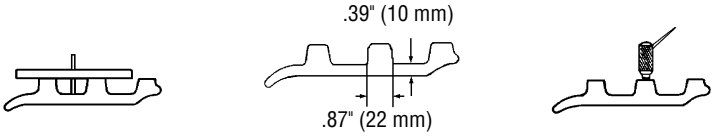
Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
1.20	(30.5)	0	1.70	(43.2)
1.15	(29.0)	8	1.65	(41.9)
1.10	(28.0)	16	1.60	(40.6)
1.05	(26.5)	23	1.55	(39.4)
1.00	(25.5)	30	1.50	(38.1)
0.95	(24.0)	37	1.45	(36.8)
0.90	(23.0)	44	1.40	(35.6)
0.85	(21.5)	51	1.35	(34.3)
0.80	(20.5)	58	1.30	(33.0)
0.75	(19.0)	65	1.25	(31.8)
0.70	(18.0)	72	1.20	(30.5)
0.65	(16.5)	79	1.15	(29.2)
0.60	(15.0)	86	1.10	(27.9)
0.55	(14.0)	93	1.05	(26.7)
0.50	(12.5)	100	1.00	(25.4)
0.45	(11.5)	107	0.95	(24.1)
0.40	(10.0)	114	0.90	(22.9)
0.35	(9.0)	121	0.85	(21.6)

Undercarriage Code: 605

E300 — 7.50" (190 mm)

Track Shoes

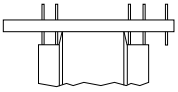
Triple Grouser
23.6" (600 mm) Shoe Width

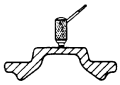


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
1.00	(25.5)	0	1.40	(35.6)
0.95	(24.0)	10	1.35	(34.3)
0.90	(23.0)	20	1.30	(33.0)
0.85	(21.5)	30	1.25	(31.8)
0.80	(20.5)	40	1.20	(30.5)
0.75	(19.0)	50	1.15	(29.2)
0.70	(18.0)	60	1.10	(27.9)
0.65	(16.5)	70	1.05	(26.7)
0.60	(15.0)	80	1.00	(25.4)
0.55	(14.0)	90	0.95	(24.1)
0.50	(12.5)	100	0.90	(22.9)
0.45	(11.5)	110	0.85	(21.6)
0.40	(10.0)	120	0.80	(20.3)

Undercarriage Code: 606

Idlers





Depth Gauge Inches	(mm)	% Worn
0.78	(20.0)	0
0.80	(20.5)	12
0.82	(21.0)	24
0.84	(21.5)	36
0.86	(22.0)	48
0.88	(22.5)	60
0.90	(23.0)	72
0.92	(23.5)	76
0.94	(24.0)	80
0.96	(24.5)	84
0.98	(25.0)	88
1.00	(25.5)	92
1.02	(26.0)	96
1.04	(26.5)	100
1.06	(27.0)	104
1.08	(27.5)	108
1.10	(28.0)	112
1.12	(28.5)	116
1.14	(29.0)	120

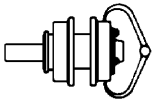
Flange width: 3.91" (81 mm)

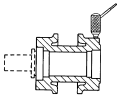
Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.82	(20.8)	0.00	(0.0)
0.80	(20.3)	0.02	(0.5)
0.78	(19.8)	0.04	(1.0)
0.76	(19.3)	0.06	(1.5)
0.74	(18.8)	0.08	(2.0)
0.72	(18.3)	0.10	(2.5)
0.70	(17.8)	0.12	(3.0)
0.68	(17.3)	0.14	(3.5)
0.66	(16.8)	0.16	(4.0)
0.64	(16.3)	0.18	(4.5)
0.62	(15.7)	0.20	(5.0)
0.60	(15.2)	0.22	(5.5)
0.58	(14.7)	0.24	(6.0)
0.56	(14.2)	0.26	(6.5)
0.54	(13.7)	0.28	(7.0)
0.52	(13.2)	0.30	(7.5)
0.50	(12.7)	0.32	(8.0)
0.48	(12.2)	0.34	(8.5)
0.46	(11.7)	0.36	(9.0)

NOTE: Ultrasonic measurement is to determine flange wear only.

Undercarriage Code: 605, 606

Carrier Rollers

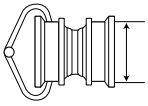
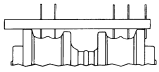
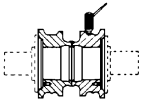




Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
5.12	(130.0)	0	0.89	(22.6)
5.10	(129.5)	8	0.88	(22.4)
5.08	(129.0)	16	0.87	(22.1)
5.06	(128.5)	24	0.86	(21.8)
5.04	(128.0)	32	0.85	(21.6)
5.02	(127.5)	40	0.84	(21.3)
5.00	(127.0)	48	0.83	(21.1)
4.98	(126.5)	56	0.82	(20.8)
4.96	(126.0)	64	0.81	(20.6)
4.94	(125.5)	68	0.80	(20.3)
4.92	(125.0)	72	0.79	(20.1)
4.90	(124.5)	76	0.78	(19.8)
4.88	(124.0)	80	0.77	(19.6)
4.86	(123.5)	84	0.76	(19.3)
4.84	(123.0)	88	0.75	(19.1)
4.82	(122.5)	92	0.74	(18.8)
4.80	(122.0)	96	0.73	(18.5)
4.78	(121.5)	100	0.72	(18.3)
4.76	(121.0)	104	0.71	(18.0)
4.74	(120.5)	108	0.70	(17.8)
4.72	(120.0)	112	0.69	(17.5)
4.70	(119.5)	116	0.68	(17.3)
4.68	(119.0)	120	0.67	(17.0)

Undercarriage Code: 605, 606

Track Rollers

Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
7.09	(180.0)	0	0.63	(16.0)	2.01	(51.1)
7.07	(179.5)	4	0.64	(16.5)	2.00	(50.8)
7.05	(179.0)	8	0.65	(16.5)	1.99	(50.5)
7.03	(178.5)	12	0.66	(17.0)	1.98	(50.3)
7.01	(178.0)	16	0.67	(17.0)	1.97	(50.0)
6.99	(177.5)	19	0.68	(17.5)	1.96	(49.8)
6.97	(177.0)	22	0.69	(17.5)	1.95	(49.5)
6.95	(176.5)	25	0.70	(18.0)	1.94	(49.3)
6.93	(176.0)	28	0.71	(18.0)	1.93	(49.0)
6.91	(175.5)	31	0.72	(18.5)	1.92	(48.8)
6.89	(175.0)	34	0.73	(18.5)	1.91	(48.5)
6.87	(174.5)	37	0.74	(19.0)	1.90	(48.3)
6.85	(174.0)	40	0.75	(19.0)	1.89	(48.0)
6.83	(173.5)	43	0.76	(19.5)	1.88	(47.8)
6.81	(173.0)	46	0.77	(19.5)	1.87	(47.5)
6.79	(172.5)	49	0.78	(20.0)	1.86	(47.2)
6.77	(172.0)	52	0.79	(20.0)	1.85	(47.0)
6.75	(171.5)	55	0.80	(20.5)	1.84	(46.7)
6.73	(171.0)	58	0.81	(20.5)	1.83	(46.5)
6.71	(170.5)	61	0.82	(21.0)	1.82	(46.2)
6.69	(170.0)	64	0.83	(21.0)	1.81	(46.0)
6.67	(169.5)	67	0.84	(21.5)	1.80	(45.7)
6.65	(169.0)	70	0.85	(21.5)	1.79	(45.5)
6.63	(168.5)	73	0.86	(22.0)	1.78	(45.2)
6.61	(168.0)	76	0.87	(22.0)	1.77	(45.0)
6.59	(167.5)	79	0.88	(22.5)	1.76	(44.7)
6.57	(167.0)	82	0.89	(22.5)	1.75	(44.5)
6.55	(166.5)	85	0.90	(23.0)	1.74	(44.2)
6.53	(166.0)	88	0.91	(23.0)	1.73	(43.9)
6.51	(165.5)	91	0.92	(23.5)	1.72	(43.7)
6.49	(165.0)	94	0.93	(23.5)	1.71	(43.4)
6.47	(164.5)	97	0.94	(24.0)	1.70	(43.2)
6.45	(164.0)	100	0.95	(24.0)	1.69	(42.9)
6.43	(163.5)	103	0.96	(24.5)	1.68	(42.7)
6.41	(163.0)	106	0.97	(24.5)	1.67	(42.4)
6.39	(162.5)	109	0.98	(25.0)	1.66	(42.2)
6.37	(162.0)	112	0.99	(25.0)	1.65	(41.9)
6.35	(161.5)	115	1.00	(25.5)	1.64	(41.7)
6.33	(161.0)	118	1.01	(25.5)	1.63	(41.4)
6.31	(160.5)	121	1.02	(26.0)	1.62	(41.1)

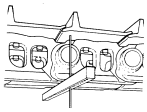
Flange diameter is 8.35" (212 mm)

Undercarriage Code: 605, 606

E450 — 8.50" (215.9 mm)

Track Links

969944 & 46



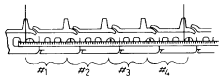


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
5.08	(129.0)	0	1.35	(34.3)
5.06	(128.5)	5	1.33	(33.8)
5.04	(128.0)	10	1.31	(33.3)
5.02	(127.5)	15	1.29	(32.8)
5.00	(127.0)	20	1.27	(32.3)
4.98	(126.5)	25	1.25	(31.8)
4.96	(126.0)	30	1.23	(31.2)
4.94	(125.5)	35	1.21	(30.7)
4.92	(125.0)	40	1.19	(30.2)
4.90	(124.5)	45	1.17	(29.7)
4.88	(124.0)	50	1.15	(29.2)
4.86	(123.5)	55	1.13	(28.7)
4.84	(123.0)	60	1.11	(28.2)
4.82	(122.5)	65	1.09	(27.7)
4.80	(122.0)	70	1.07	(27.2)
4.78	(121.5)	75	1.05	(26.7)
4.76	(121.0)	80	1.03	(26.2)
4.74	(120.5)	84	1.01	(25.7)
4.72	(120.0)	88	0.99	(25.1)
4.70	(119.5)	92	0.97	(24.6)
4.68	(119.0)	96	0.95	(24.1)
4.66	(118.5)	100	0.93	(23.6)
4.64	(118.0)	104	0.91	(23.1)
4.62	(117.5)	108	0.89	(22.6)
4.60	(117.0)	112	0.87	(22.1)
4.58	(116.5)	116	0.85	(21.6)
4.56	(116.0)	120	0.83	(21.1)

Undercarriage Code: 625

Pins and Bushings for Sealed Track

Internal Wear



Inches	(mm)	% Worn
34.05	(865.0)	0
34.10	(866.0)	10
34.15	(867.5)	20
34.20	(868.5)	30
34.25	(870.0)	40
34.30	(871.0)	50
34.35	(872.5)	60
34.40	(874.0)	70
34.45	(875.0)	80
34.50	(876.5)	90
34.55	(877.5)	100
34.60	(879.0)	105
34.65	(880.0)	110
34.70	(881.5)	115
34.75	(882.5)	120

Undercarriage Code: 625

E450 — 8.50" (215.9 mm)

Bushings for Sealed Track

External Wear



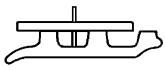


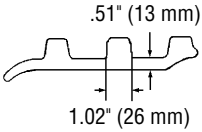
Caliper		Allowable Wear		Ultrasonic	
		Lesser	Greater		
Inches	(mm)	% Worn	% Worn	Inches	(mm)
2.81	(71.4)	0	0	0.46	(11.7)
2.80	(71.1)	9	7	0.45	(11.4)
2.79	(70.9)	18	14	0.44	(11.2)
2.78	(70.6)	27	21	0.43	(10.9)
2.77	(70.4)	36	28	0.42	(10.7)
2.76	(70.1)	45	35	0.41	(10.4)
2.75	(69.9)	54	42	0.40	(10.2)
2.74	(69.6)	63	49	0.39	(9.9)
2.73	(69.3)	72	56	0.38	(9.7)
2.72	(69.1)	81	63	0.37	(9.4)
2.71	(68.8)	90	70	0.36	(9.1)
2.70	(68.6)	96	76	0.35	(8.9)
2.69	(68.3)	100	79	0.34	(8.6)
2.68	(68.1)	104	82	0.33	(8.4)
2.67	(67.8)	108	85	0.32	(8.1)
2.66	(67.6)	112	88	0.31	(7.9)
2.65	(67.3)	116	91	0.30	(7.6)
2.64	(67.1)	120	94	0.29	(7.4)
2.63	(66.8)		97	0.28	(7.1)
2.62	(66.5)		100	0.27	(6.9)
2.61	(66.3)		103	0.26	(6.6)
2.60	(66.0)		106	0.25	(6.4)
2.59	(65.8)		109	0.24	(6.1)
2.58	(65.5)		112	0.23	(5.8)
2.57	(65.3)		115	0.22	(5.6)
2.56	(65.0)		118	0.21	(5.3)
2.55	(64.8)		121	0.20	(5.1)

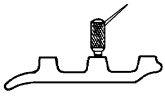
Undercarriage Code: 625

Track Shoes

Triple Grouser





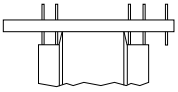


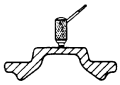
Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
1.40	(35.5)	0	1.95	(49.5)
1.35	(34.5)	6	1.90	(48.3)
1.30	(33.0)	12	1.85	(47.0)
1.25	(32.0)	18	1.80	(45.7)
1.20	(30.5)	24	1.75	(44.5)
1.15	(29.0)	30	1.70	(43.2)
1.10	(28.0)	36	1.65	(41.9)
1.05	(26.5)	42	1.60	(40.6)
1.00	(25.5)	48	1.55	(39.4)
0.95	(24.0)	54	1.50	(38.1)
0.90	(23.0)	60	1.45	(36.8)
0.85	(21.5)	65	1.40	(35.6)
0.80	(20.5)	70	1.35	(34.3)
0.75	(19.0)	75	1.30	(33.0)
0.70	(18.0)	80	1.25	(31.8)
0.65	(16.5)	85	1.20	(30.5)
0.60	(15.0)	90	1.15	(29.2)
0.55	(14.0)	95	1.10	(27.9)
0.50	(12.5)	100	1.05	(26.7)
0.45	(11.5)	105	1.00	(25.4)
0.40	(10.0)	110	0.95	(24.1)
0.35	(9.0)	115	0.90	(22.9)
0.30	(7.5)	120	0.85	(21.6)

Undercarriage Code: 625

E450 — 8.50" (215.9 mm)

Idlers





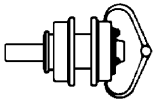
Depth Gauge Inches	(mm)	% Worn
0.88	(22.5)	0
0.90	(23.0)	7
0.92	(23.5)	14
0.94	(24.0)	21
0.96	(24.5)	28
0.98	(25.0)	35
1.00	(25.5)	40
1.02	(26.0)	45
1.04	(26.5)	50
1.06	(27.0)	55
1.08	(27.5)	60
1.10	(28.0)	65
1.12	(28.5)	70
1.14	(29.0)	75
1.16	(29.5)	80
1.18	(30.0)	85
1.20	(30.5)	90
1.22	(31.0)	95
1.24	(31.5)	100
1.26	(32.0)	105
1.28	(32.5)	110
1.30	(33.0)	115
1.32	(33.5)	120

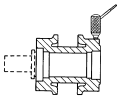
Flange width: 4.02" (102 mm)

Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
1.06	(26.9)	0.00	(0.0)
1.04	(26.4)	0.02	(0.5)
1.02	(25.9)	0.04	(1.0)
1.00	(25.4)	0.06	(1.5)
0.98	(24.9)	0.08	(2.0)
0.96	(24.4)	0.10	(2.5)
0.94	(23.9)	0.12	(3.0)
0.92	(23.4)	0.14	(3.5)
0.90	(22.9)	0.16	(4.0)
0.88	(22.4)	0.18	(4.5)
0.86	(21.8)	0.20	(5.0)
0.84	(21.3)	0.22	(5.5)
0.82	(20.8)	0.24	(6.0)
0.80	(20.3)	0.26	(6.5)
0.78	(19.8)	0.28	(7.0)
0.76	(19.3)	0.30	(7.5)
0.74	(18.8)	0.32	(8.0)
0.72	(18.3)	0.34	(8.5)
0.70	(17.8)	0.36	(9.0)
0.68	(17.3)	0.38	(9.5)
0.66	(16.8)	0.40	(10.0)
0.64	(16.3)	0.42	(10.5)
0.62	(15.7)	0.44	(11.0)

NOTE: Ultrasonic measurement is to determine flange wear only.

Carrier Rollers



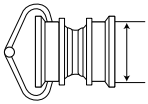


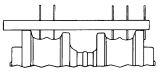
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
6.69	(170.0)	0	1.56	(39.6)
6.67	(169.5)	8	1.55	(39.4)
6.65	(169.0)	16	1.54	(39.1)
6.63	(168.5)	24	1.53	(38.9)
6.61	(168.0)	32	1.52	(38.6)
6.59	(167.5)	40	1.51	(38.4)
6.57	(167.0)	48	1.50	(38.1)
6.55	(166.5)	56	1.49	(37.8)
6.53	(166.0)	60	1.48	(37.6)
6.51	(165.5)	64	1.47	(37.3)
6.49	(165.0)	68	1.46	(37.1)
6.47	(164.5)	72	1.45	(36.8)
6.45	(164.0)	76	1.44	(36.6)
6.43	(163.5)	80	1.43	(36.3)
6.41	(163.0)	84	1.42	(36.1)
6.39	(162.5)	88	1.41	(35.8)
6.37	(162.0)	92	1.40	(35.6)
6.35	(161.5)	96	1.39	(35.3)
6.33	(161.0)	100	1.38	(35.1)
6.31	(160.5)	104	1.37	(34.8)
6.29	(160.0)	108	1.36	(34.5)
6.27	(159.5)	112	1.35	(34.3)
6.25	(159.0)	116	1.34	(34.0)
6.23	(158.0)	120	1.33	(33.8)

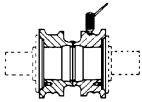
Undercarriage Code: 625

E450 — 8.50" (215.9 mm)

Track Rollers







Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
8.86	(225.0)	0	0.71	(18.0)	2.50	(63.5)
8.82	(224.0)	5	0.73	(18.5)	2.48	(63.0)
8.78	(223.0)	10	0.75	(19.0)	2.46	(62.5)
8.74	(222.0)	15	0.77	(19.5)	2.44	(62.0)
8.70	(221.0)	20	0.79	(20.0)	2.42	(61.5)
8.66	(220.0)	25	0.81	(20.5)	2.40	(61.0)
8.62	(219.0)	30	0.83	(21.0)	2.38	(60.5)
8.58	(218.0)	35	0.85	(21.5)	2.36	(59.9)
8.54	(217.0)	40	0.87	(22.0)	2.34	(59.4)
8.50	(216.0)	45	0.89	(22.5)	2.32	(58.9)
8.46	(215.0)	50	0.91	(23.0)	2.30	(58.4)
8.42	(214.0)	55	0.93	(23.5)	2.28	(57.9)
8.38	(213.0)	60	0.95	(24.0)	2.26	(57.4)
8.34	(212.0)	65	0.97	(24.5)	2.24	(56.9)
8.30	(211.0)	70	0.99	(25.0)	2.22	(56.4)
8.26	(210.0)	75	1.01	(25.5)	2.20	(55.9)
8.22	(209.0)	80	1.03	(26.0)	2.18	(55.4)
8.18	(208.0)	84	1.05	(26.5)	2.16	(54.9)
8.14	(207.0)	88	1.07	(27.0)	2.14	(54.4)
8.10	(205.5)	92	1.09	(27.5)	2.12	(53.8)
8.06	(204.5)	96	1.11	(28.0)	2.10	(53.3)
8.02	(203.5)	100	1.13	(28.5)	2.08	(52.8)
7.98	(202.5)	104	1.15	(29.0)	2.06	(52.3)
7.94	(201.5)	108	1.17	(29.5)	2.04	(51.8)
7.90	(200.5)	112	1.19	(30.0)	2.02	(51.3)
7.86	(199.5)	116	1.21	(30.5)	2.00	(50.8)
7.82	(198.5)	120	1.23	(31.0)	1.98	(50.3)

Flange diameter is 10.28" (261 mm)

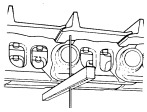
Undercarriage Code: 625

NOTES

E650 — 9.00" (228.7 mm)

Track Links

931984 & 85



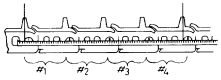


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
5.23	(133.0)	0	1.32	(33.5)
5.21	(132.5)	5	1.30	(33.0)
5.19	(132.0)	10	1.28	(32.5)
5.17	(131.5)	15	1.26	(32.0)
5.15	(131.0)	20	1.24	(31.5)
5.13	(130.5)	25	1.22	(31.0)
5.11	(130.0)	30	1.20	(30.5)
5.09	(129.5)	35	1.18	(30.0)
5.07	(129.0)	40	1.16	(29.5)
5.05	(128.5)	45	1.14	(29.0)
5.03	(128.0)	50	1.12	(28.4)
5.01	(127.5)	55	1.10	(27.9)
4.99	(126.5)	60	1.08	(27.4)
4.97	(126.0)	64	1.06	(26.9)
4.95	(125.5)	68	1.04	(26.4)
4.93	(125.0)	72	1.02	(25.9)
4.91	(124.5)	76	1.00	(25.4)
4.89	(124.0)	80	0.98	(24.9)
4.87	(123.5)	84	0.96	(24.4)
4.85	(123.0)	88	0.94	(23.9)
4.83	(122.5)	92	0.92	(23.4)
4.81	(122.0)	96	0.90	(22.9)
4.79	(121.5)	100	0.88	(22.4)
4.77	(121.0)	104	0.86	(21.8)
4.75	(120.5)	108	0.84	(21.3)
4.73	(120.0)	112	0.82	(20.8)
4.71	(119.5)	116	0.80	(20.3)
4.69	(119.0)	120	0.78	(19.8)

Undercarriage Code: 640

Pins and Bushings for Sealed Track

Internal Wear



Inches	(mm)	% Worn
36.05	(915.5)	0
36.10	(917.0)	10
36.15	(918.0)	20
36.20	(919.5)	30
36.25	(920.5)	40
36.30	(922.0)	50
36.35	(923.5)	60
36.40	(924.5)	70
36.45	(926.0)	80
36.50	(927.0)	90
36.55	(928.5)	100
36.60	(929.5)	105
36.65	(931.0)	110
36.70	(932.0)	115
36.75	(933.5)	120

E650 — 9.00" (228.7 mm)

Bushings for Sealed Track

External Wear





Caliper Inches	Caliper (mm)	Allowable Wear Lesser % Worn	Allowable Wear Greater % Worn	Ultrasonic Inches	Ultrasonic (mm)
3.11	(79.0)	0	0	0.59	(15.0)
3.10	(78.7)	9	7	0.58	(14.8)
3.09	(78.5)	18	14	0.57	(14.5)
3.08	(78.2)	27	21	0.56	(14.2)
3.07	(78.0)	36	28	0.55	(14.0)
3.06	(77.7)	45	35	0.54	(13.7)
3.05	(77.5)	54	42	0.53	(13.5)
3.04	(77.2)	63	49	0.52	(13.2)
3.03	(77.0)	72	56	0.51	(13.0)
3.02	(76.7)	81	63	0.50	(12.7)
3.01	(76.5)	90	70	0.49	(12.5)
3.00	(76.2)	96	76	0.48	(12.2)
2.99	(75.9)	100	79	0.47	(12.0)
2.98	(75.7)	104	82	0.46	(11.7)
2.97	(75.4)	108	85	0.45	(11.5)
2.96	(75.2)	112	88	0.44	(11.2)
2.95	(74.9)	116	91	0.43	(10.9)
2.94	(74.7)	120	94	0.42	(10.7)
2.93	(74.4)		97	0.41	(10.4)
2.92	(74.2)		100	0.40	(10.2)
2.91	(73.9)		103	0.39	(9.9)
2.90	(73.7)		106	0.38	(9.7)
2.89	(73.4)		109	0.37	(9.4)
2.88	(73.2)		112	0.36	(9.2)
2.87	(72.9)		115	0.35	(8.9)
2.86	(72.6)		118	0.34	(8.7)
2.85	(72.4)		121	0.33	(8.4)

Undercarriage Code: 640

Track Shoes

Triple Grouser

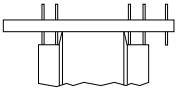


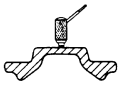
Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
1.45	(37.0)	0	2.15	(54.6)
1.40	(35.5)	6	2.10	(53.3)
1.35	(34.5)	12	2.05	(52.1)
1.30	(33.0)	18	2.00	(50.8)
1.25	(32.0)	24	1.95	(49.5)
1.20	(30.5)	30	1.90	(48.3)
1.15	(29.0)	35	1.85	(47.0)
1.10	(28.0)	40	1.80	(45.7)
1.05	(26.5)	45	1.75	(44.5)
1.00	(25.5)	50	1.70	(43.2)
0.95	(24.0)	55	1.65	(41.9)
0.90	(23.0)	60	1.60	(40.6)
0.85	(21.5)	65	1.55	(39.4)
0.80	(20.5)	70	1.50	(38.1)
0.75	(19.0)	75	1.45	(36.8)
0.70	(18.0)	80	1.40	(35.6)
0.65	(16.5)	85	1.35	(34.3)
0.60	(15.0)	90	1.30	(33.0)
0.55	(14.0)	95	1.25	(31.8)
0.50	(12.5)	100	1.20	(30.5)
0.45	(11.5)	105	1.15	(29.2)
0.40	(10.0)	110	1.10	(27.9)
0.35	(9.0)	115	1.05	(26.7)
0.30	(7.5)	120	1.00	(25.4)

Undercarriage Code: 640

E650 — 9.00" (228.7 mm)

Idlers





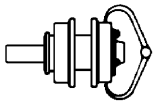
Depth Gauge Inches	(mm)	% Worn
0.78	(20.0)	0
0.80	(20.5)	7
0.82	(21.0)	14
0.84	(21.5)	21
0.86	(22.0)	28
0.88	(22.5)	35
0.90	(23.0)	42
0.92	(23.5)	49
0.94	(24.0)	52
0.96	(24.5)	55
0.98	(25.0)	58
1.00	(25.5)	61
1.02	(26.0)	64
1.04	(26.5)	67
1.06	(27.0)	70
1.08	(27.5)	73
1.10	(28.0)	76
1.12	(28.5)	79
1.14	(29.0)	82
1.16	(29.5)	85
1.18	(30.0)	88
1.20	(30.5)	91
1.22	(31.0)	94
1.24	(31.5)	97
1.26	(32.0)	100
1.28	(32.5)	103
1.30	(33.0)	106
1.32	(33.5)	109
1.34	(34.0)	112
1.36	(34.5)	115
1.38	(35.0)	118
1.40	(35.5)	121

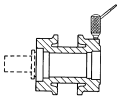
Flange width: 4.80" (122 mm)

Ultrasonic Inches	(mm)	Center Flange Wear Inches	(mm)
0.98	(24.9)	0.00	(0.0)
0.96	(24.4)	0.02	(0.5)
0.94	(23.9)	0.04	(1.0)
0.92	(23.4)	0.06	(1.5)
0.90	(22.9)	0.08	(2.0)
0.88	(22.4)	0.10	(2.5)
0.86	(21.8)	0.12	(3.0)
0.84	(21.3)	0.14	(3.5)
0.82	(20.8)	0.16	(4.0)
0.80	(20.3)	0.18	(4.5)
0.78	(19.8)	0.20	(5.0)
0.76	(19.3)	0.22	(5.5)
0.74	(18.8)	0.24	(6.0)
0.72	(18.3)	0.26	(6.5)
0.70	(17.8)	0.28	(7.0)
0.68	(17.3)	0.30	(7.5)
0.66	(16.8)	0.32	(8.0)
0.64	(16.3)	0.34	(8.5)
0.62	(15.7)	0.36	(9.0)
0.60	(15.2)	0.38	(9.5)
0.58	(14.7)	0.40	(10.0)
0.56	(14.2)	0.42	(10.5)
0.54	(13.7)	0.44	(11.0)
0.52	(13.2)	0.46	(11.5)
0.50	(12.7)	0.48	(12.0)
0.48	(12.2)	0.50	(12.5)
0.46	(11.7)	0.52	(13.0)
0.44	(11.2)	0.54	(13.5)
0.42	(10.7)	0.56	(14.0)
0.40	(10.2)	0.58	(14.5)
0.38	(9.7)	0.60	(15.0)
0.36	(9.1)	0.62	(15.5)

NOTE: Ultrasonic measurement is to determine flange wear only.

Carrier Rollers



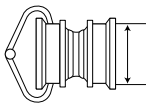


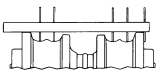
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
6.68	(169.5)	0	1.56	(39.6)
6.66	(169.0)	8	1.55	(39.4)
6.64	(168.5)	16	1.54	(39.1)
6.62	(168.0)	24	1.53	(38.9)
6.60	(167.5)	32	1.52	(38.6)
6.58	(167.0)	40	1.51	(38.4)
6.56	(166.5)	48	1.50	(38.1)
6.54	(166.0)	56	1.49	(37.8)
6.52	(165.5)	60	1.48	(37.6)
6.50	(165.0)	64	1.47	(37.3)
6.48	(164.5)	68	1.46	(37.1)
6.46	(164.0)	72	1.45	(36.8)
6.44	(163.5)	76	1.44	(36.6)
6.42	(163.0)	80	1.43	(36.3)
6.40	(162.5)	84	1.42	(36.1)
6.38	(162.0)	88	1.41	(35.8)
6.36	(161.5)	92	1.40	(35.6)
6.34	(161.0)	96	1.39	(35.3)
6.32	(160.5)	100	1.38	(35.1)
6.30	(160.0)	104	1.37	(34.8)
6.28	(159.5)	108	1.36	(34.5)
6.26	(159.0)	112	1.35	(34.3)
6.24	(158.5)	116	1.34	(34.0)
6.22	(158.0)	120	1.33	(33.8)

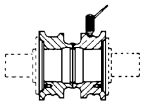
Undercarriage Code: 640

E650 — 9.00" (228.7 mm)

Track Rollers







Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
10.63	(270.0)	0	1.07	(27.0)	2.95	(74.9)
10.59	(269.0)	5	1.09	(27.5)	2.93	(74.4)
10.55	(268.0)	10	1.11	(28.0)	2.91	(73.9)
10.51	(267.0)	15	1.13	(28.5)	2.89	(73.4)
10.47	(266.0)	20	1.15	(29.0)	2.87	(72.9)
10.43	(265.0)	25	1.17	(29.5)	2.85	(72.4)
10.39	(264.0)	30	1.19	(30.0)	2.83	(71.9)
10.35	(263.0)	35	1.21	(30.5)	2.81	(71.4)
10.31	(262.0)	40	1.23	(31.0)	2.79	(70.9)
10.27	(261.0)	45	1.25	(32.0)	2.77	(70.4)
10.23	(260.0)	50	1.27	(32.5)	2.75	(69.9)
10.19	(259.0)	55	1.29	(33.0)	2.73	(69.3)
10.15	(258.0)	60	1.31	(33.5)	2.71	(68.8)
10.11	(257.0)	64	1.33	(34.0)	2.69	(68.3)
10.07	(256.0)	68	1.35	(34.5)	2.67	(67.8)
10.03	(255.0)	72	1.37	(35.0)	2.65	(67.3)
9.99	(253.5)	76	1.39	(35.5)	2.63	(66.8)
9.95	(252.5)	80	1.41	(36.0)	2.61	(66.3)
9.91	(251.5)	84	1.43	(36.5)	2.59	(65.8)
9.87	(250.5)	88	1.45	(37.0)	2.57	(65.3)
9.83	(249.5)	92	1.47	(37.5)	2.55	(64.8)
9.79	(248.5)	96	1.49	(38.0)	2.53	(64.3)
9.75	(247.5)	100	1.51	(38.5)	2.51	(63.8)
9.71	(246.5)	104	1.53	(39.0)	2.49	(63.2)
9.67	(245.5)	108	1.55	(39.5)	2.47	(62.7)
9.63	(244.5)	112	1.57	(40.0)	2.45	(62.2)
9.59	(243.5)	116	1.59	(40.5)	2.43	(61.7)
9.55	(242.5)	120	1.61	(41.0)	2.41	(61.2)

Flange diameter is 12.78" (324.5 mm)

Undercarriage Code: 640

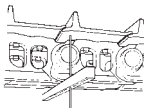
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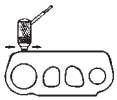
Paving Products/Drive Belts

PR1000, PR750B, SF550, SF500, TR500 — 6.75" (171.5 mm)

Track Links

9K6628 & 29



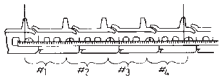


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
3.75	(95.5)	0	1.00	(25.4)
3.73	(94.5)	8	0.98	(24.9)
3.71	(94.0)	16	0.96	(24.4)
3.69	(93.5)	24	0.94	(23.9)
3.67	(93.0)	32	0.92	(23.4)
3.65	(92.5)	40	0.90	(22.9)
3.63	(92.0)	46	0.88	(22.4)
3.61	(91.5)	52	0.86	(21.8)
3.59	(91.0)	58	0.84	(21.3)
3.57	(90.5)	64	0.82	(20.8)
3.55	(90.0)	70	0.80	(20.3)
3.53	(89.5)	76	0.78	(19.8)
3.51	(89.0)	82	0.76	(19.3)
3.49	(88.5)	88	0.74	(18.8)
3.47	(88.0)	94	0.72	(18.3)
3.45	(87.5)	100	0.70	(17.8)
3.43	(87.0)	106	0.68	(17.3)
3.41	(86.5)	112	0.66	(16.8)
3.39	(86.0)	118	0.64	(16.3)
3.37	(85.5)	124	0.62	(15.7)

Undercarriage Code: 710, 720, 750, 760, 780

Pins and Bushings for Sealed Track

Internal Wear



Inches	(mm)	% Worn
27.00	(686.0)	0
27.05	(687.0)	10
27.10	(688.5)	20
27.15	(689.5)	30
27.20	(691.0)	40
27.25	(692.0)	50
27.30	(693.5)	60
27.35	(694.5)	70
27.40	(696.0)	80
27.45	(697.0)	90
27.50	(698.5)	100
27.55	(700.0)	105
27.60	(701.0)	110
27.65	(702.5)	115
27.70	(703.5)	120

Undercarriage Code: 710, 720, 750, 760, 780

PR1000, PR750B, SF550, SF500, TR500 — 6.75" (171.5 mm)

Bushings for Sealed Track

External Wear





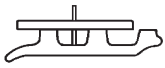
Caliper		Allowable Wear		Ultrasonic	
Inches	(mm)	Lesser % Worn	Greater % Worn	Inches	(mm)
2.14	(54.4)	0	0	0.39	(9.9)
2.13	(54.1)	9	7	0.38	(9.7)
2.12	(53.8)	18	14	0.37	(9.4)
2.11	(53.6)	27	21	0.36	(9.1)
2.10	(53.3)	36	28	0.35	(8.9)
2.09	(53.1)	45	35	0.34	(8.6)
2.08	(52.8)	54	42	0.33	(8.4)
2.07	(52.6)	63	49	0.32	(8.1)
2.06	(52.3)	72	56	0.31	(7.9)
2.05	(52.1)	81	63	0.30	(7.6)
2.04	(51.8)	88	70	0.29	(7.4)
2.03	(51.6)	92	73	0.28	(7.1)
2.02	(51.3)	96	76	0.27	(6.9)
2.01	(51.1)	100	79	0.26	(6.6)
2.00	(50.8)	104	82	0.25	(6.4)
1.99	(50.5)	108	85	0.24	(6.1)
1.98	(50.3)	112	88	0.23	(5.8)
1.97	(50.0)	116	91	0.22	(5.6)
1.96	(49.8)	120	94	0.21	(5.3)
1.95	(49.5)		97	0.20	(5.1)
1.94	(49.3)		100	0.19	(4.8)
1.93	(49.0)		103	0.18	(4.6)
1.92	(48.8)		106	0.17	(4.3)
1.91	(48.5)		109	0.16	(4.1)
1.90	(48.3)		112	0.15	(3.8)
1.89	(48.0)		115	0.14	(3.6)
1.88	(47.8)		118	0.13	(3.3)
1.87	(47.5)		121	0.12	(3.0)

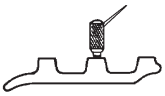
Undercarriage Code: 710, 720, 750, 760, 780

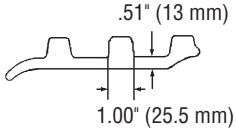
PR1000, PR750B, SF550, SF500, TR500 — 6.75" (171.5 mm)

Track Shoes

Triple Grouser





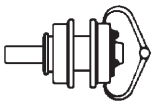


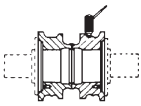
Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
0.95	(24.0)	0	1.50	(38.1)
0.90	(23.0)	8	1.45	(36.8)
0.85	(21.5)	16	1.40	(35.6)
0.80	(20.5)	23	1.35	(34.3)
0.75	(19.0)	30	1.30	(33.0)
0.70	(18.0)	37	1.25	(31.8)
0.65	(16.5)	44	1.20	(30.5)
0.60	(15.0)	51	1.15	(29.2)
0.55	(14.0)	58	1.10	(27.9)
0.50	(12.5)	65	1.05	(26.7)
0.45	(11.5)	72	1.00	(25.4)
0.40	(10.0)	79	0.95	(24.1)
0.35	(9.0)	86	0.90	(22.9)
0.30	(7.5)	93	0.85	(21.6)
0.25	(6.5)	100	0.80	(20.3)
0.20	(5.0)	107	0.75	(19.1)
0.15	(4.0)	114	0.70	(17.8)
0.10	(2.5)	121	0.65	(16.5)

Undercarriage Code: 710, 720, 750, 760, 780

PR1000, PR750B, SF550, SF500, TR500 — 6.75" (171.5 mm)

Carrier Rollers



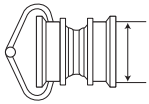


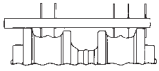
Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
6.26	(159.0)	0	1.63	(41.4)
6.22	(158.0)	8	1.61	(40.9)
6.18	(157.0)	16	1.59	(40.4)
6.14	(156.0)	24	1.57	(39.9)
6.10	(155.0)	32	1.55	(39.4)
6.06	(154.0)	40	1.53	(38.9)
6.02	(153.0)	45	1.51	(38.4)
5.98	(152.0)	50	1.49	(37.8)
5.94	(151.0)	55	1.47	(37.3)
5.90	(150.0)	60	1.45	(36.8)
5.86	(149.0)	65	1.43	(36.3)
5.82	(148.0)	70	1.41	(35.8)
5.78	(147.0)	75	1.39	(35.3)
5.74	(146.0)	80	1.37	(34.8)
5.70	(145.0)	85	1.35	(34.3)
5.66	(144.0)	90	1.33	(33.8)
5.62	(142.5)	95	1.31	(33.3)
5.58	(141.5)	100	1.29	(32.8)
5.54	(140.5)	105	1.27	(32.3)
5.50	(139.5)	110	1.25	(31.8)
5.46	(138.5)	115	1.23	(31.2)
5.42	(137.5)	120	1.21	(30.7)

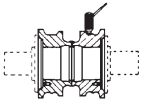
Undercarriage Code: 710, 720, 750, 760, 780

PR1000, PR750B, SF550, SF500, TR500 — 6.75" (171.5 mm)

Track Rollers







Caliper Inches	Caliper (mm)	% Worn	Depth Gauge Inches	Depth Gauge (mm)	Ultrasonic Inches	Ultrasonic (mm)
8.00	(203.0)	0	0.54	(13.5)	2.00	(50.8)
7.98	(202.5)	4	0.55	(14.0)	1.99	(50.5)
7.96	(202.0)	8	0.56	(14.0)	1.98	(50.3)
7.94	(201.5)	12	0.57	(14.5)	1.97	(50.0)
7.92	(201.0)	16	0.58	(14.5)	1.96	(49.8)
7.90	(200.5)	20	0.59	(15.0)	1.95	(49.5)
7.88	(200.0)	24	0.60	(15.0)	1.94	(49.3)
7.86	(199.5)	28	0.61	(15.5)	1.93	(49.0)
7.84	(199.0)	31	0.62	(15.5)	1.92	(48.8)
7.82	(198.5)	34	0.63	(16.0)	1.91	(48.5)
7.80	(198.0)	37	0.64	(16.5)	1.90	(48.3)
7.78	(197.5)	40	0.65	(16.5)	1.89	(48.0)
7.76	(197.0)	43	0.66	(17.0)	1.88	(47.8)
7.74	(196.5)	46	0.67	(17.0)	1.87	(47.5)
7.72	(196.0)	49	0.68	(17.5)	1.86	(47.2)
7.70	(195.5)	52	0.69	(17.5)	1.85	(47.0)
7.68	(195.0)	55	0.70	(18.0)	1.84	(46.7)
7.66	(194.5)	58	0.71	(18.0)	1.83	(46.5)
7.64	(194.0)	61	0.72	(18.5)	1.82	(46.2)
7.62	(193.5)	64	0.73	(18.5)	1.81	(46.0)
7.60	(193.0)	67	0.74	(19.0)	1.80	(45.7)
7.58	(192.5)	70	0.75	(19.0)	1.79	(45.5)
7.56	(192.0)	73	0.76	(19.5)	1.78	(45.2)
7.54	(191.5)	76	0.77	(19.5)	1.77	(45.0)
7.52	(191.0)	79	0.78	(20.0)	1.76	(44.7)
7.50	(190.5)	82	0.79	(20.0)	1.75	(44.5)
7.48	(190.0)	85	0.80	(20.5)	1.74	(44.2)
7.46	(189.5)	88	0.81	(20.5)	1.73	(43.9)
7.44	(189.0)	91	0.82	(21.0)	1.72	(43.7)
7.42	(188.5)	94	0.83	(21.0)	1.71	(43.4)
7.40	(188.0)	97	0.84	(21.5)	1.70	(43.2)
7.38	(187.5)	100	0.85	(21.5)	1.69	(42.9)
7.36	(187.0)	103	0.86	(22.0)	1.68	(42.7)
7.34	(186.5)	106	0.87	(22.0)	1.67	(42.4)
7.32	(186.0)	109	0.88	(22.5)	1.66	(42.2)
7.30	(185.5)	112	0.89	(22.5)	1.65	(41.9)
7.28	(185.0)	115	0.90	(23.0)	1.64	(41.7)
7.26	(184.5)	118	0.91	(23.0)	1.63	(41.4)
7.24	(184.0)	121	0.92	(23.5)	1.62	(41.1)

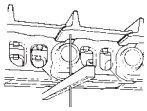
Flange diameter is 9.09" (231 mm)

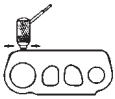
Undercarriage Code: 710, 720, 750, 760, 780

AP1050 — 6.125" (155.6 mm)

Track Links

6Y0935 & 36



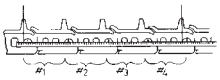


Depth Gauge Inches	Depth Gauge (mm)	% Worn	Ultrasonic Inches	Ultrasonic (mm)
3.46	(88.0)	0	1.00	(25.4)
3.44	(87.5)	13	0.98	(24.9)
3.42	(87.0)	26	0.96	(24.4)
3.40	(86.5)	39	0.94	(23.9)
3.38	(86.0)	52	0.92	(23.4)
3.36	(85.5)	65	0.90	(22.9)
3.34	(85.0)	78	0.88	(22.4)
3.32	(84.5)	90	0.86	(21.8)
3.30	(84.0)	100	0.84	(21.3)
3.28	(83.5)	110	0.82	(20.8)
3.26	(83.0)	120	0.80	(20.3)

Undercarriage Code: 790

Pins and Bushings for Sealed Track

Internal Wear



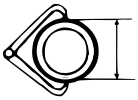
Inches	(mm)	% Worn
24.55	(623.5)	0
24.60	(625.0)	10
24.65	(626.0)	20
24.70	(627.5)	30
24.75	(628.5)	40
24.80	(630.0)	50
24.85	(631.0)	60
24.90	(632.5)	70
24.95	(633.5)	80
25.00	(635.0)	90
25.05	(636.5)	100
25.10	(637.5)	105
25.15	(639.0)	110
25.20	(640.0)	115
25.25	(641.5)	120

Undercarriage Code: 790

AP1050 — 6.125" (155.6 mm)

Bushings for Sealed Track

External Wear

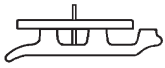


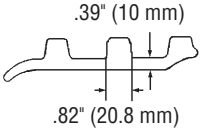


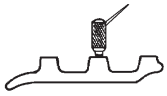
Caliper		Allowable Wear		Ultrasonic	
		Lesser	Greater		
Inches	(mm)	% Worn	% Worn	Inches	(mm)
1.97	(50.0)	0	0	0.40	(10.2)
1.96	(49.8)	8	6	0.39	(9.9)
1.95	(49.5)	16	12	0.38	(9.7)
1.94	(49.3)	24	18	0.37	(9.4)
1.93	(49.0)	32	24	0.36	(9.1)
1.92	(48.8)	40	30	0.35	(8.9)
1.91	(48.5)	48	36	0.34	(8.6)
1.90	(48.3)	56	42	0.33	(8.4)
1.89	(48.0)	64	48	0.32	(8.1)
1.88	(47.8)	72	54	0.31	(7.9)
1.87	(47.5)	76	60	0.30	(7.6)
1.86	(47.2)	80	64	0.29	(7.4)
1.85	(47.0)	84	67	0.28	(7.1)
1.84	(46.7)	88	70	0.27	(6.9)
1.83	(46.5)	92	73	0.26	(6.6)
1.82	(46.2)	96	76	0.25	(6.4)
1.81	(46.0)	100	79	0.24	(6.1)
1.80	(45.7)	104	82	0.23	(5.8)
1.79	(45.5)	108	85	0.22	(5.6)
1.78	(45.2)	112	88	0.21	(5.3)
1.77	(45.0)	116	91	0.20	(5.1)
1.76	(44.7)	120	94	0.19	(4.8)
1.75	(44.5)		97	0.18	(4.6)
1.74	(44.2)		100	0.17	(4.3)
1.73	(43.9)		103	0.16	(4.1)
1.72	(43.7)		106	0.15	(3.8)
1.71	(43.4)		109	0.14	(3.6)
1.70	(43.2)		112	0.13	(3.3)
1.69	(42.9)		115	0.12	(3.0)
1.68	(42.7)		118	0.11	(2.8)
1.67	(42.4)		121	0.10	(2.5)

Track Shoes

Triple Grouser







Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
0.60	(15.0)	0	1.00	(25.4)
0.55	(14.0)	15	0.95	(24.1)
0.50	(12.5)	30	0.90	(22.9)
0.45	(11.5)	44	0.85	(21.6)
0.40	(10.0)	58	0.80	(20.3)
0.35	(9.0)	72	0.75	(19.1)
0.30	(7.5)	86	0.70	(17.8)
0.25	(6.5)	100	0.65	(16.5)
0.20	(5.0)	114	0.60	(15.2)
0.15	(4.0)	128	0.55	(14.0)

Undercarriage Code: 790

AP1050 — 6.125" (155.6 mm)

Track Shoes

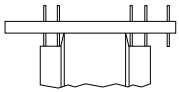
Rubber Padded Shoe

Depth Gauge Inches	(mm)	% Worn
1.00	(25.5)	0
0.95	(24.0)	7
0.90	(23.0)	14
0.85	(21.5)	21
0.80	(20.5)	28
0.75	(19.0)	34
0.70	(18.0)	40
0.65	(16.5)	46
0.60	(15.0)	52
0.55	(14.0)	58
0.50	(12.5)	64
0.45	(11.5)	70
0.40	(10.0)	76
0.35	(9.0)	82
0.30	(7.5)	88
0.25	(6.5)	94
0.20	(5.0)	100
0.15	(4.0)	106
0.10	(2.5)	112
0.05	(1.5)	118
0.00	(0.0)	124

NOTE: Measure remaining thickness of rubber padding above grousers.

Undercarriage Code: 790

Idlers

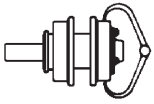


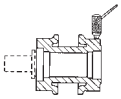
Depth Gauge Inches	(mm)	% Worn
0.62	(15.5)	0
0.64	(16.5)	12
0.66	(17.0)	24
0.68	(17.5)	36
0.70	(18.0)	48
0.72	(18.5)	60
0.74	(19.0)	72
0.76	(19.5)	84
0.78	(20.0)	94
0.80	(20.5)	97
0.82	(21.0)	100
0.84	(21.5)	103
0.86	(22.0)	106
0.88	(22.5)	109
0.90	(23.0)	112
0.92	(23.5)	115
0.94	(24.0)	118
0.96	(24.5)	121

Undercarriage Code: 790

AP1050 — 6.125" (155.6 mm)

Carrier Rollers

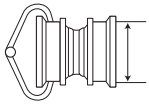
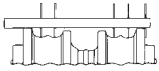
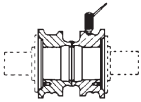




Caliper			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
5.88	(149.5)	0	1.38	(35.1)
5.84	(148.5)	9	1.36	(34.5)
5.80	(147.5)	18	1.34	(34.0)
5.76	(146.5)	27	1.32	(33.5)
5.72	(145.5)	36	1.30	(33.0)
5.68	(144.5)	45	1.28	(32.5)
5.64	(143.5)	54	1.26	(32.0)
5.60	(142.0)	63	1.24	(31.5)
5.56	(141.0)	70	1.22	(31.0)
5.52	(140.0)	76	1.20	(30.5)
5.48	(139.0)	82	1.18	(30.0)
5.44	(138.0)	88	1.16	(29.5)
5.40	(137.0)	94	1.14	(29.0)
5.36	(136.0)	100	1.12	(28.4)
5.32	(135.0)	106	1.10	(27.9)
5.28	(134.0)	112	1.08	(27.4)
5.24	(133.0)	118	1.06	(26.9)
5.20	(132.0)	124	1.04	(26.4)

Undercarriage Code: 790

Track Rollers

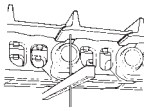
Caliper Inches	Caliper (mm)	% Worn	Depth Gauge Inches	Depth Gauge (mm)	Ultrasonic Inches	Ultrasonic (mm)
9.50	(241.5)	0	0.84	(21.5)	2.43	(61.7)
9.48	(241.0)	6	0.85	(21.5)	2.42	(61.5)
9.46	(240.5)	12	0.86	(22.0)	2.41	(61.2)
9.44	(240.0)	18	0.87	(22.0)	2.40	(61.0)
9.42	(239.5)	24	0.88	(22.5)	2.39	(60.7)
9.40	(239.0)	30	0.89	(22.5)	2.38	(60.5)
9.38	(238.5)	36	0.90	(23.0)	2.37	(60.2)
9.36	(237.5)	42	0.91	(23.0)	2.36	(59.9)
9.34	(237.0)	48	0.92	(23.5)	2.35	(59.7)
9.32	(236.5)	54	0.93	(23.5)	2.34	(59.4)
9.30	(236.0)	60	0.94	(24.0)	2.33	(59.2)
9.28	(235.5)	65	0.95	(24.0)	2.32	(58.9)
9.26	(235.0)	70	0.96	(24.5)	2.31	(58.7)
9.24	(234.5)	75	0.97	(24.5)	2.30	(58.4)
9.22	(234.0)	80	0.98	(25.0)	2.29	(58.2)
9.20	(233.5)	85	0.99	(25.0)	2.28	(57.9)
9.18	(233.0)	90	1.00	(25.5)	2.27	(57.7)
9.16	(232.5)	95	1.01	(25.5)	2.26	(57.4)
9.14	(232.0)	100	1.02	(26.0)	2.25	(57.2)
9.12	(231.5)	105	1.03	(26.0)	2.24	(56.9)
9.10	(231.0)	110	1.04	(26.5)	2.23	(56.6)
9.08	(230.5)	115	1.05	(26.5)	2.22	(56.4)
9.06	(230.0)	120	1.06	(27.0)	2.21	(56.1)

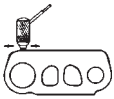
Flange diameter is 11.0" (279.5 mm)

PR450B, SF350, SF250B, TR225B — 6.125" (155.6 mm)

Track Links

6Y0935 & 36



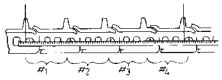


Depth Gauge			Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)
3.46	(88.0)	0	1.00	(25.4)
3.44	(87.5)	8	0.98	(24.9)
3.42	(87.0)	16	0.96	(24.4)
3.40	(86.5)	24	0.94	(23.9)
3.38	(86.0)	32	0.92	(23.4)
3.36	(85.5)	40	0.90	(22.9)
3.34	(85.0)	48	0.88	(22.4)
3.32	(84.5)	56	0.86	(21.8)
3.30	(84.0)	64	0.84	(21.3)
3.28	(83.5)	72	0.82	(20.8)
3.26	(83.0)	80	0.80	(20.3)
3.24	(82.5)	88	0.78	(19.8)
3.22	(82.0)	94	0.76	(19.3)
3.20	(81.5)	100	0.74	(18.8)
3.18	(81.0)	106	0.72	(18.3)
3.16	(80.5)	112	0.70	(17.8)
3.14	(80.0)	118	0.68	(17.3)
3.12	(79.0)	124	0.66	(16.8)

Undercarriage Code: 700, 730, 740, 770

Pins and Bushings for Sealed Track

Internal Wear



Inches	(mm)	% Worn
24.55	(623.5)	0
24.60	(625.0)	10
24.65	(626.0)	20
24.70	(627.5)	30
24.75	(628.5)	40
24.80	(630.0)	50
24.85	(631.0)	60
24.90	(632.5)	70
24.95	(633.5)	80
25.00	(635.0)	90
25.05	(636.5)	100
25.10	(637.5)	105
25.15	(639.0)	110
25.20	(640.0)	115
25.25	(641.5)	120

PR450B, SF350, SF250B, TR225B — 6.125" (155.6 mm)

Track Bushings for Sealed Track

External Wear





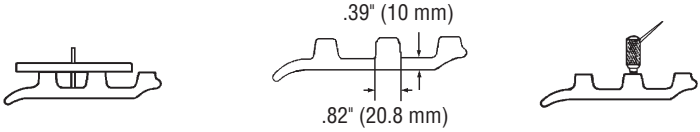
Caliper		Allowable Wear		Ultrasonic	
		Lesser	Greater		
Inches	(mm)	% Worn	% Worn	Inches	(mm)
1.97	(50.0)	0	0	0.40	(10.2)
1.96	(49.8)	8	6	0.39	(9.9)
1.95	(49.5)	16	12	0.38	(9.7)
1.94	(49.3)	24	18	0.37	(9.4)
1.93	(49.0)	32	24	0.36	(9.1)
1.92	(48.8)	40	30	0.35	(8.9)
1.91	(48.5)	48	36	0.34	(8.6)
1.90	(48.3)	56	42	0.33	(8.4)
1.89	(48.0)	64	48	0.32	(8.1)
1.88	(47.8)	72	54	0.31	(7.9)
1.87	(47.5)	76	60	0.30	(7.6)
1.86	(47.2)	80	64	0.29	(7.4)
1.85	(47.0)	84	67	0.28	(7.1)
1.84	(46.7)	88	70	0.27	(6.9)
1.83	(46.5)	92	73	0.26	(6.6)
1.82	(46.2)	96	76	0.25	(6.4)
1.81	(46.0)	100	79	0.24	(6.1)
1.80	(45.7)	104	82	0.23	(5.8)
1.79	(45.5)	108	85	0.22	(5.6)
1.78	(45.2)	112	88	0.21	(5.3)
1.77	(45.0)	116	91	0.20	(5.1)
1.76	(44.7)	120	94	0.19	(4.8)
1.75	(44.5)		97	0.18	(4.6)
1.74	(44.2)		100	0.17	(4.3)
1.73	(43.9)		103	0.16	(4.1)
1.72	(43.7)		106	0.15	(3.8)
1.71	(43.4)		109	0.14	(3.6)
1.70	(43.2)		112	0.13	(3.3)
1.69	(42.9)		115	0.12	(3.0)
1.68	(42.7)		118	0.11	(2.8)
1.67	(42.4)		121	0.10	(2.5)

Undercarriage Code: 700, 730, 740, 770

PR450B, SF350, SF250B, TR225B — 6.125" (155.6 mm)

Track Shoes

Triple Grouser

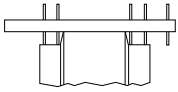


Depth Gauge Inches	(mm)	% Worn	Ultrasonic Inches	(mm)
0.60	(15.0)	0	1.00	(25.4)
0.55	(14.0)	15	0.95	(24.1)
0.50	(12.5)	30	0.90	(22.9)
0.45	(11.5)	44	0.85	(21.6)
0.40	(10.0)	58	0.80	(20.3)
0.35	(9.0)	72	0.75	(19.1)
0.30	(7.5)	86	0.70	(17.8)
0.25	(6.5)	100	0.65	(16.5)
0.20	(5.0)	114	0.60	(15.2)
0.15	(4.0)	128	0.55	(14.0)

Undercarriage Code: 700, 730, 740, 770

PR450B, SF350, SF250B, TR225B — 6.125" (155.6 mm)

Idlers



Depth Gauge Inches	(mm)	% Worn
0.62	(15.5)	0
0.64	(16.5)	12
0.66	(17.0)	24
0.68	(17.5)	36
0.70	(18.0)	48
0.72	(18.5)	60
0.74	(19.0)	68
0.76	(19.5)	76
0.78	(20.0)	84
0.80	(20.5)	92
0.82	(21.0)	100
0.84	(21.5)	108
0.86	(22.0)	116
0.88	(22.5)	124

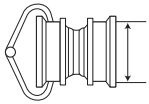
Flange width: 2.11" (53.5 mm)

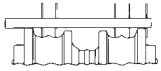
NOTE: On earlier, single web idlers the manufacturing process erroneously permitted a crowned center flange. When measuring earlier, single web idlers with a crown, subtract .10" (2.4 mm) from the actual wear measurement when determining percent worn. Reference: IRM UC92-23.

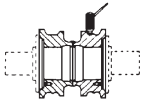
Undercarriage Code: 700, 730, 740, 770

PR450B, SF350, SF250B, TR225B — 6.125" (155.6 mm)

Track Rollers







Caliper			Depth Gauge		Ultrasonic	
Inches	(mm)	% Worn	Inches	(mm)	Inches	(mm)
6.00	(152.5)	0	0.43	(11.0)	1.43	(36.3)
5.98	(152.0)	3	0.44	(11.0)	1.42	(36.1)
5.96	(151.5)	6	0.45	(11.5)	1.41	(35.8)
5.94	(151.0)	9	0.46	(11.5)	1.40	(35.6)
5.92	(150.5)	12	0.47	(12.0)	1.39	(35.3)
5.90	(150.0)	15	0.48	(12.0)	1.38	(35.1)
5.88	(149.5)	18	0.49	(12.5)	1.37	(34.8)
5.86	(149.0)	21	0.50	(12.5)	1.36	(34.5)
5.84	(148.5)	24	0.51	(13.0)	1.35	(34.3)
5.82	(148.0)	27	0.52	(13.0)	1.34	(34.0)
5.80	(147.5)	30	0.53	(13.5)	1.33	(33.8)
5.78	(147.0)	33	0.54	(13.5)	1.32	(33.5)
5.76	(146.5)	36	0.55	(14.0)	1.31	(33.3)
5.74	(146.0)	39	0.56	(14.0)	1.30	(33.0)
5.72	(145.5)	42	0.57	(14.5)	1.29	(32.8)
5.70	(145.0)	45	0.58	(14.5)	1.28	(32.5)
5.68	(144.5)	48	0.59	(15.0)	1.27	(32.3)
5.66	(144.0)	51	0.60	(15.0)	1.26	(32.0)
5.64	(143.5)	54	0.61	(15.5)	1.25	(31.8)
5.62	(142.5)	57	0.62	(15.5)	1.24	(31.5)
5.60	(142.0)	60	0.63	(16.0)	1.23	(31.2)
5.58	(141.5)	63	0.64	(16.5)	1.22	(31.0)
5.56	(141.0)	66	0.65	(16.5)	1.21	(30.7)
5.54	(140.5)	68	0.66	(17.0)	1.20	(30.5)
5.52	(140.0)	70	0.67	(17.0)	1.19	(30.2)
5.50	(139.5)	72	0.68	(17.5)	1.18	(30.0)
5.48	(139.0)	74	0.69	(17.5)	1.17	(29.7)
5.46	(138.5)	76	0.70	(18.0)	1.16	(29.5)
5.44	(138.0)	78	0.71	(18.0)	1.15	(29.2)
5.42	(137.5)	80	0.72	(18.5)	1.14	(29.0)
5.40	(137.0)	82	0.73	(18.5)	1.13	(28.7)
5.38	(136.5)	84	0.74	(19.0)	1.12	(28.4)
5.36	(136.0)	86	0.75	(19.0)	1.11	(28.2)
5.34	(135.5)	88	0.76	(19.5)	1.10	(27.9)
5.32	(135.0)	90	0.77	(19.5)	1.09	(27.7)
5.30	(134.5)	92	0.78	(20.0)	1.08	(27.4)
5.28	(134.0)	94	0.79	(20.0)	1.07	(27.2)
5.26	(133.5)	96	0.80	(20.5)	1.06	(26.9)
5.24	(133.0)	98	0.81	(20.5)	1.05	(26.7)
5.22	(132.5)	100	0.82	(21.0)	1.04	(26.4)
5.20	(132.0)	102	0.83	(21.0)	1.03	(26.2)
5.18	(131.5)	104	0.84	(21.5)	1.02	(25.9)
5.16	(131.0)	106	0.85	(21.5)	1.01	(25.7)
5.14	(130.5)	108	0.86	(22.0)	1.00	(25.4)
5.12	(130.0)	110	0.87	(22.0)	0.99	(25.1)
5.10	(129.5)	112	0.88	(22.5)	0.98	(24.9)
5.08	(129.0)	114	0.89	(22.5)	0.97	(24.6)
5.06	(128.5)	116	0.90	(23.0)	0.96	(24.4)
5.04	(128.0)	118	0.91	(23.0)	0.95	(24.1)
5.02	(127.5)	120	0.92	(23.5)	0.94	(23.9)

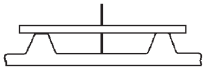
Flange diameter is 6.88" (175 mm)

Undercarriage Code: 700, 730, 740, 770

NOTES

Challenger Drive Belt

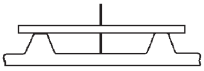
Standard



Depth Gauge Inches	(mm)	% Worn
2.50	(63.5)	0
2.40	(61.5)	5
2.30	(58.5)	10
2.20	(56.0)	15
2.10	(53.5)	20
2.00	(51.0)	25
1.90	(48.5)	30
1.80	(45.5)	35
1.70	(43.0)	40
1.60	(40.5)	45
1.50	(38.0)	50
1.40	(35.5)	55
1.30	(33.0)	60
1.20	(30.5)	65
1.10	(28.0)	70
1.00	(25.5)	75
0.90	(23.0)	80
0.80	(20.5)	85
0.70	(18.0)	90
0.60	(15.0)	95
0.50	(12.5)	100
0.40	(10.0)	105
0.30	(7.5)	110
0.20	(5.0)	115
0.10	(2.5)	120

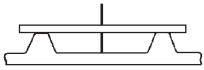
Challenger Drive Belt

Special Application



Depth Gauge Inches	(mm)	% Worn
1.50	(38.0)	0
1.40	(35.5)	9
1.30	(33.0)	18
1.20	(30.5)	27
1.10	(28.0)	36
1.00	(25.5)	44
0.90	(23.0)	52
0.80	(20.5)	60
0.70	(18.0)	68
0.60	(15.0)	76
0.50	(12.5)	84
0.40	(10.0)	92
0.30	(7.5)	100
0.20	(5.0)	108
0.10	(2.5)	116
0.00	(0.0)	124

Paver Drive Belt



Depth Gauge Inches	(mm)	% Worn
1.18	(30.0)	0
1.13	(28.5)	5
1.08	(27.5)	10
1.03	(26.0)	15
0.98	(25.0)	20
0.93	(23.5)	25
0.88	(22.5)	30
0.83	(21.0)	35
0.78	(20.0)	40
0.73	(18.5)	45
0.68	(17.5)	50
0.63	(16.0)	55
0.58	(14.5)	60
0.53	(13.5)	65
0.48	(12.0)	70
0.43	(11.0)	75
0.38	(9.5)	80
0.33	(8.5)	85
0.28	(7.0)	90
0.23	(6.0)	95
0.18	(4.5)	100
0.13	(3.5)	105
0.08	(2.0)	110
0.03	(1.0)	115
-0.02	(-0.5)	120

PEKP9400-03

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