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CRANES CATALOG

Cranes & Festooning

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ACE INDUSTRIES, INC. CRANES-HOISTS

ACE INDUSTRIES, INC. CRANES-HOISTS

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ACE SATISFACTION GUARANTEE

If you are not satisfied with any normally stocked Ace product, you may return it for a full refund or credit at any time within 10 days following shipment. All items must be returned prepaid, and a return goods authorization number must be issued from the factory and included with the return. Returned items must be complete, undamaged, and in new condition. Special order items are not covered by the satisfaction guarantee and are subject to a restocking fee.

CAUTION

All capacities, dimensions, and other information in this catalog are subject to change without notice. Use for preliminary reference only.

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ABOUT US

Ace Industries, Inc., founded in 1932, is one of the largest overhead crane and hoist distribution, manufacturing, and service companies in the United States. Ace has fully stocked warehouses, service centers, and sales offices in Atlanta, GA; Birmingham, AL; Decatur, AL; Charlotte, NC; Cincinnati, OH; Columbus, OH; Nashville, TN; Chattanooga, TN; and Knoxville, TN. Ace associates number over 180 and have a strong determination to serve our customers faithfully and knowledgeably.

Parts & New Units

Ace specializes in the distribution of electric chain hoists, wire rope hoists, hand chain hoists, trolleys, crane components, small parts, and accessories. We stock complete inventories of these products in three regional warehouses located in Atlanta, GA; Birmingham, AL; and Cincinnati, OH. Our distribution is noted for “in stock”, same day shipment at the most competitive prices.

Engineered Products

Ace Industries also sells overhead bridge cranes, gantry cranes, jib cranes, and runway systems or our own design and manufacture. A highly qualified and experienced engineering staff with specialists in structural, mechanical, and electrical engineering insure that our bridge cranes and systems will meet all of the expectations of our customers. Actual manufacturing is accomplished by a team of skilled associates who take great pride in building the highest quality crane available anywhere.

Services

Our service department is among the largest, most qualified, and best equipped material handling equipment repair departments to be found anywhere. We have over 70 fully equipped heavy duty service trucks. To insure Ace customers receive the best service value, Ace provides mobile hydraulic lifts when required at no additional charge.

Slings & Rigging

Ace manufactures lifting and rigging equipment through its operational divisions - Alabama Rope and Rigging, Georgia Rope and Rigging, and Stren-Flex® Lifting Products. Ace produces the highest quality, domestic rigging materials in the industry. Ace’s rigging division provides a complete line of chain, wire rope, sling, and hardware products with a customizable and ‘in stock’ service.

SALES, SERVICE & DISTRIBUTION

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Fax: 706.654.1218

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TUCKER, GEORGIA
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Nashville, TN 37210
Tel: 800.474.8586 or 615.365.4055
Fax: 615.365.4056

Ace Tips on Bridge Cranes

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BRIDGE CRANES

Bridge cranes are custom built pieces of material handling equipment designed for a specific location and a particular overhead lifting job. A finished unit is made up of basic standardized components with the size, method of assembly, and characteristics chosen, yielding the desired result.

The basic components of most bridge cranes are **1)** end trucks, **2)** bridge drives, **3)** bridge control panel, **4)** bridge girder, **5)** trolley, **6)** hoist, **7)** festooned cross conductors, **8)** festooned push button conductors and **9)** push button and cable assembly. Sometimes other components such as a catwalk, cab, radio control, collision control device, warning horn, lights, or other special accessories are added.

There are various types of bridge cranes with many being highly specialized, but the great majority of installations fall into one of three categories: **1)** top running single girder bridge cranes, **2)** top running double girder bridge cranes, and **3)** underruning single girder bridge cranes. Illustrations of the three types with major components labeled are as follows:

Top Running Single Girder Individual Drive

Top Running Double Girder Individual Drive

CAUTION: These tips are provided as a starting point in the selection process and are not universally applicable. Please consult our experts for the solution to your specific application problem.

Under-Running Double Girder Individual Drive

Ace Industries manufactures all types of quality bridge cranes engineered to meet your specific application. To accomplish this result for you quickly and most economically, we stock complete proven selections of end trucks, drives, controls, hoists, trolleys, and other related equipment manufactured by the leading hoist and crane companies in the world. When presented with your exact requirement, our professional engineering staff, will custom design a bridge crane to meet your needs. There is no compromise with quality. Every component is chosen based on our vast experience to yield superior performance, reliability, durability, and economy (lowest total cost of ownership).

The component manufacturers we represent are recognized as some of the foremost and most reliable in the world. We stock and supply end trucks, hoists and trolleys by Shaw Box (LiftTech), CM, Yale, Coffing, R&M, Ace Engineering, and Stahl. Some crane builders attempt to cut costs by supplying only the hoist from a nationally recognized vendor and manufacturing their own end trucks and trolleys. This is usually done at the expense of quality and reliability. Certainly, at a later time, the crane owner is a captive market with limited options, when it comes to finding and purchasing repair parts for these locally manufactured components, if they are even available.

Ace not only manufactures bridge cranes, but we also provide and install complete systems consisting of engineering, runways, support columns, and all other related items to make sure that you have single source responsibility and a turn key job. Our world class engineering department insures you that these systems will reliably handle your application.

Call us whenever you have a need for a new bridge crane or any modification to an older one that you might already own. Modernization or modification of older cranes is one of our specialties. Our engineering staff and other specialists can save you money by refurbishing your older but still useful equipment.

Some basic dimensions and engineering data for our standard bridge cranes to 95’ span and 30 ton capacity are presented in the following pages These crane specifications are representative only and should not be relied on for accuracy in your application. Other bridge cranes for spans in excess of 100 feet and capacities in excess of 100 tons are available upon application. Please consult us regarding your bridge crane needs and we will provide a detailed quotation designed specifically for you. Our continuing challenge at Ace is to be the highest quality, lowest cost, best service supplier in the crane and hoist industry.

Why Buy a Crane from Ace Industries?

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Demonstration of Trustworthiness and Reliability

A crane is a long-term investment with normal life expectancy often counted in decades. The manufacturer you select should have demonstrated the staying power to survive and prosper over such a time period. Ace meets the test. For over seventy-five years we have been seeking to exceed our customers' expectations and by the grace of God we will continue for many years into the future.

Competence and Ability of Associates

Depth and experience is the key to producing a quality product. Successful delivery of a bridge crane requires the effort of many conscientious people. How many and what manner of competent people populate the organization? A crane project should begin with an on site visit by an application expert. We believe that our professionals, who fill this role, are unmatched in number, experience, qualifications and ability. The information gathered regarding your need is then submitted to our world class engineering department, and a crane system is professionally designed to meet your requirements. Actual manufacturing is then accomplished by a cadre of highly qualified, experienced Ace associates who take great pride in building the highest quality crane available anywhere.

Best Selection of Components

Ace Industries represents the recognized leaders in hoist and component manufacturing. We are, however, an independent company with no obligations to use any particular product, except one that will provide the best solution to your application. We take our responsibility seriously and will always seek to supply the components we believe will do the best job for your project. If you have a preference of components, we will supply those.

Highest Quality Crane

Skilled fabricators, certified welders. experienced electricians, and other members of the Ace family team up to produce especially for you, a crane of unequaled features.

- Designed in accordance with CMAA specifications
- Bridge beams fabricated from structural shapes or manufactured from plate to provide you with the best strength and least dead weight
- Festooned pushbuttons standard
- Adjustable frequency drives for the bridge motion standard except where application indicates contra
- All wiring in rigid and flexible conduit
- All cranes painted with one coat of gray metal primer and 2 coats of safety yellow enamel as standard
- Fully assembled, inspected and test run before delivery to you

Best, Most Responsive Delivery

We give "on time delivery" the highest emphasis. Often customer's schedules and plans become delayed or pushed forward. We will do everything possible to meet your requirements. Our complete stock of components for standard bridge cranes enables us to have unequaled deliveries in many instances.

Best Value

An Ace crane will not always the have the least expensive price tag on initial examination, but it will always be the best value for money spent. Our prime goal is to be the low cost, high quality leader in the crane and hoist industry.

Superior Installations

Ace responsibility does not end with manufacture and shipment unless that is your request. Our own installation crews who must be counted with the best to be found anywhere, will erect your crane, perform the necessary start up procedures and then turn a fully functional high quality crane over to you.

Best Service After the Sale

The value of your long term investment in an Ace bridge crane can be further enhanced by entering into an extended warranty and service agreement with us that will be tailored to keep your crane in top operating condition for many years into the future.

Ace Commitment

We will remain available to you at all levels, and do everything possible to earn and keep your business.

We look forward to the privilege of submitting a proposal to you for your next crane project, large or small. The following pages contain some basic bridge crane data for cranes that Ace builds. These are offered to provide a starting point in your search. Please call for help on the exact crane required for your project.

Ace Industries Crane Inquiry Data Sheet

Customer Name _____ Date: _____

Customer Address _____

Project Name _____

Number of Cranes Required _____ (Identical) Span _____ ft. _____ in.

CMAA Class _____ Lift Req'd _____ ft. _____ in.

Crane Capacity _____ Tons High Hook Req'd _____ ft. _____ in.

Maximum Load to Lift _____ lbs Clear Height Inside Building _____ ft. _____ in.

	Bridge	Trolley	Main Hoist	Aux. Hoist
Average Travel (ft)				
Travel or Lifts per Hr				
Speed (fpm)				
Hours per Day Used				
Number of Speeds				
Type Control (mag, AF)				

Select Crane Style:

- ☐ Top Running Single Girder
- ☐ Underrunning Single Girder
- ☐ Top Running Double Girder
- ☐ Underrunning Double Girder

Describe Application _____

List Special Conditions (i.e. fumes, steam, high temperatures, high altitude, excessive dust, moisture, severe duty)

Ambient Temperature in Building Maximum _____°F Minimum _____°F

Bucket Operation: No ☐ Yes ☐ Bucket Weight _____ lbs

Magnet Operation: No ☐ Yes ☐ Magnet Weight _____ lbs

Crane to Operate: Indoor ☐ Outdoor ☐ Both ☐

Method of Control: Floor (PB) ☐ Radio ☐ Cab ☐

Location of Control: Festoon ☐ Trolley ☐ Bridge ☐

Power Source: AC ☐ DC ☐ Volts _____ Phase _____ Hertz

Runway Beam Size _____ Runway Rail Size _____ Lower Flange Width _____ in.

Runway Required: No ☐ Yes ☐ Runway Length _____ ft.

Columns Required: No ☐ Yes ☐ Top of Rail Height _____ ft.

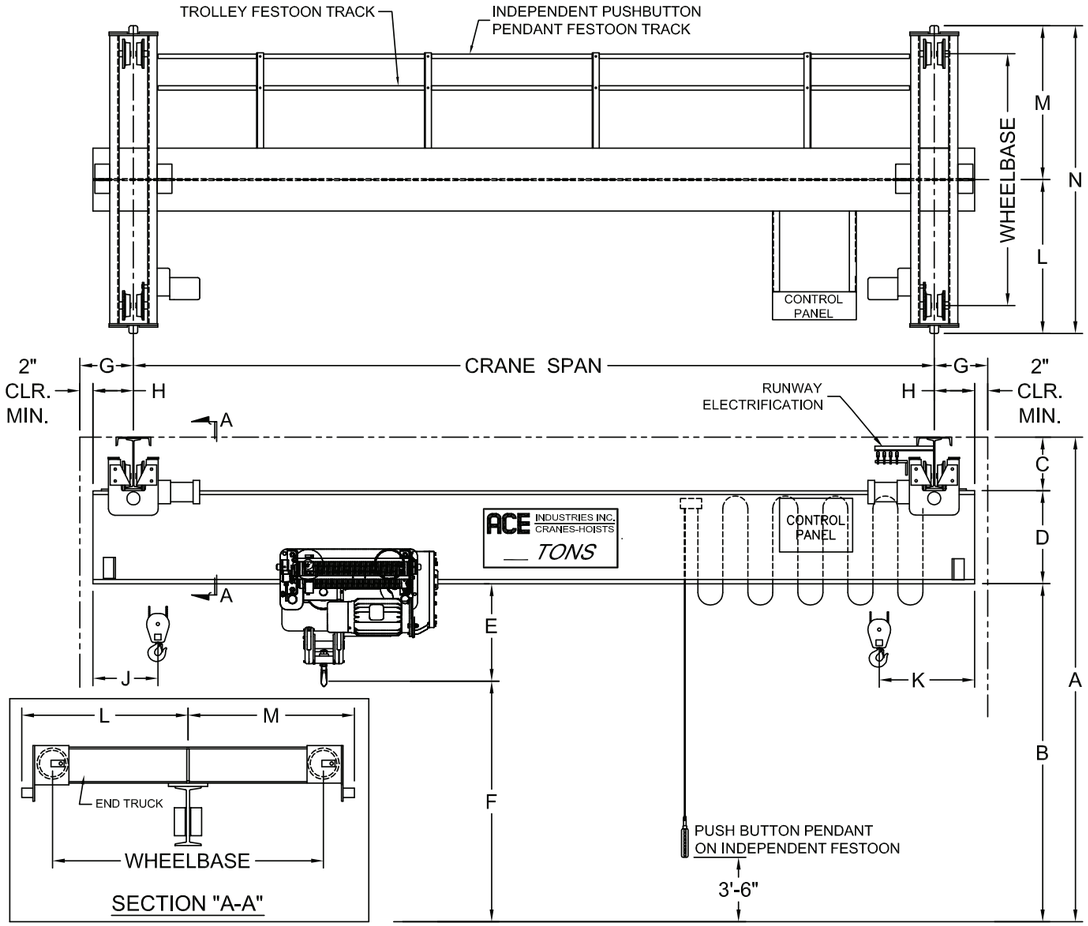
Electrification Required: No ☐ Yes ☐ Runway Electrification Type _____

Rail Required: No ☐ Yes ☐

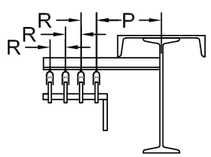
Installation Required: No ☐ Yes ☐

Go to www.aceindustries.com/craneQuoteForm.aspx to submit your crane quote request online.

https://truckmanualshub.com/



CRANE SPECIFICATIONS		*DIMENSIONS*	
Span		A	
Capacity		B	
Bridge Speed		C	
Trolley Speed		D	
Hoist Speed		E	
Available Lift		F	
Hoist		G	
Bridge Electrification	FLAT CABLE FESTOON	H	
Runway Electrification		J	
Motor Voltage		K	
Control Voltage	120-1-60	L	
Max Wheel Load		M	
Wheelbase, (W)		N	
CMAA Class			
Crane Weight			



RW SIZE:

BY: DATE:

ACE INDUSTRIES, INC. CRANES-HOISTS

GENERAL ARRANGEMENT
UNDERRUNNING
SINGLE GIRDER CRANE

Capacity	Span	Catalog #	Crane Weight	Maximum Wheel Load	Wheel Diameter	Wheelbase	Dim. "D"	Dim. "H"	Dim. "L"	Dim. "M"	Dim. "N"
	ft		lbs	lbs	in		in				
1 ton	10	A0110200	1,630	1,660	6-1/2	4' 6"	8	1' 0"	2' 11"	2' 11"	5' 10"
	15	A0115200	1,800	1,700	6-1/2	4' 6"	8-1/8	1' 0"	2' 11"	2' 11"	5' 10"
	20	A0120200	1,970	1,750	6-1/2	4' 6"	8	1' 0"	2' 11"	2' 11"	5' 10"
	25	A0125200	2,350	1,840	6-1/2	4' 6"	10-1/2	1' 0"	2' 11"	2' 11"	5' 10"
	30	A0130200	2,680	1,920	6-1/2	4' 6"	12-1/2	1' 0"	2' 11"	2' 11"	5' 10"
500 lb Design Trolley Weight	35	A0135200	3,170	2,050	6-1/2	6' 0"	12	1' 0"	3' 8"	3' 8"	7' 4"
	40	A0140200	3,720	2,180	6-1/2	6' 0"	13-3/4	1' 0"	3' 8"	3' 8"	7' 4"
	45	A0145200	3,870	2,220	6-1/2	6' 0"	16-1/8	1' 0"	3' 8"	3' 8"	7' 4"
	50	A0150200	4,530	2,390	6-1/2	7' 6"	18-3/8	1' 0"	4' 5"	4' 5"	8' 10"
	55	A0155200	5,320	2,580	6-1/2	7' 6"	21	1' 0"	4' 5"	4' 5"	8' 10"
	60	A0160200	6,420	2,860	6-1/2	7' 6"	21-1/4	1' 0"	4' 5"	4' 5"	8' 10"
2 ton	10	A0210200	1,700	2,750	6-1/2	4' 6"	8-1/8	1' 0"	2' 11"	2' 11"	5' 10"
	15	A0215200	1,870	2,800	6-1/2	4' 6"	10-1/8	1' 0"	2' 11"	2' 11"	5' 10"
	20	A0220200	2,170	2,870	6-1/2	4' 6"	10-1/2	1' 0"	2' 11"	2' 11"	5' 10"
	25	A0225200	2,620	2,980	6-1/2	4' 6"	12	1' 0"	2' 11"	2' 11"	5' 10"
	30	A0230200	3,090	3,100	6-1/2	4' 6"	13-3/4	1' 0"	2' 11"	2' 11"	5' 10"
650 lb Design Trolley Weight	35	A0235200	3,650	3,240	6-1/2	6' 0"	13-7/8	1' 0"	3' 8"	3' 8"	7' 4"
	40	A0240200	4,260	3,390	6-1/2	6' 0"	16-3/8	1' 0"	3' 8"	3' 8"	7' 4"
	45	A0245200	4,620	3,480	6-1/2	6' 0"	18-1/4	1' 0"	3' 8"	3' 8"	7' 4"
	50	A0250200	5,590	3,730	6-1/2	7' 6"	18-1/4	1' 0"	4' 5"	4' 5"	8' 10"
	55	A0255200	5,960	3,820	6-1/2	7' 6"	21-1/4	1' 0"	4' 5"	4' 5"	8' 10"
	60	A0260200	7,070	4,100	6-1/2	7' 6"	21-1/2	1' 0"	4' 5"	4' 5"	8' 10"
3 ton	10	A0310200	1,800	3,850	6-1/2	4' 6"	10-3/8	1' 0"	2' 11"	2' 11"	5' 10"
	15	A0315200	2,010	3,910	6-1/2	4' 6"	10-1/2	1' 0"	2' 11"	2' 11"	5' 10"
	20	A0320200	2,280	3,970	6-1/2	4' 6"	12-1/2	1' 0"	2' 11"	2' 11"	5' 10"
	25	A0325200	2,700	4,080	6-1/2	4' 6"	13-3/4	1' 0"	2' 11"	2' 11"	5' 10"
	30	A0330200	3,250	4,220	6-1/2	4' 6"	13-7/8	1' 0"	2' 11"	2' 11"	5' 10"
800 lb Design Trolley Weight	35	A0335200	3,940	4,390	6-1/2	6' 0"	14	1' 0"	3' 8"	3' 8"	7' 4"
	40	A0340200	4,930	4,640	6-1/2	6' 0"	16-1/2	1' 0"	3' 8"	3' 8"	7' 4"
	45	A0345200	5,970	4,900	6-1/2	6' 0"	18-1/4	1' 0"	3' 8"	3' 8"	7' 4"
	50	A0350200	6,220	4,960	6-1/2	7' 6"	21-1/2	1' 0"	4' 5"	4' 5"	8' 10"
	55	A0355200	6,990	5,150	6-1/2	7' 6"	21-5/8	1' 0"	4' 5"	4' 5"	8' 10"
	60	A0360200	8,260	5,470	6-1/2	7' 6"	24-1/4	1' 0"	4' 5"	4' 5"	8' 10"
5 ton	10	A0510200	1,930	6,040	6-1/2	4' 6"	12-1/2	1' 0"	2' 11"	2' 11"	5' 10"
	15	A0515200	2,250	6,120	6-1/2	4' 6"	13-5/8	1' 0"	2' 11"	2' 11"	5' 10"
	20	A0520200	2,520	6,180	6-1/2	4' 6"	13-3/4	1' 0"	2' 11"	2' 11"	5' 10"
	25	A0525200	3,380	6,400	6-1/2	4' 6"	16-1/2	1' 0"	2' 11"	2' 11"	5' 10"
	30	A0530200	2,760	6,240	6-1/2	4' 6"	16-1/2	1' 0"	2' 11"	2' 11"	5' 10"
1,100 lb Design Trolley Weight	35	A0535200	5,010	6,810	6-1/2	6' 0"	16-3/4	1' 0"	3' 8"	3' 8"	7' 4"
	40	A0540200	5,460	6,920	6-1/2	6' 0"	18-5/8	1' 0"	3' 8"	3' 8"	7' 4"
	45	A0545200	6,600	7,200	6-1/2	6' 0"	21-1/2	1' 0"	3' 8"	3' 8"	7' 4"
	50	A0550200	7,920	7,530	6-1/2	7' 6"	21-5/8	1' 0"	4' 5"	4' 5"	8' 10"
	55	A0555200	9,310	7,880	6-1/2	7' 6"	24-1/4	1' 0"	4' 5"	4' 5"	8' 10"
	60	A0560200	10,150	8,090	6-1/2	7' 6"	27-1/8	1' 0"	4' 5"	4' 5"	8' 10"
7.5 ton	10	A0710200	2,520	9,030	8	4' 6"	12-1/4	1' 0"	3' 0"	3' 0"	6' 0"
	15	A0715200	2,830	9,110	8	4' 6"	13-7/8	1' 0"	3' 0"	3' 0"	6' 0"
	20	A0720200	3,440	9,260	8	4' 6"	14	1' 0"	3' 0"	3' 0"	6' 0"
	25	A0725200	4,060	9,420	8	4' 6"	16-1/2	1' 0"	3' 0"	3' 0"	6' 0"
	30	A0730200	4,840	9,610	8	4' 6"	16-3/4	1' 0"	3' 0"	3' 0"	6' 0"
1,800 lb Design Trolley Weight	35	A0735200	5,740	9,840	8	6' 0"	18-5/8	1' 0"	3' 9"	3' 9"	7' 6"
	40	A0740200	7,160	10,190	8	6' 0"	19	1' 0"	3' 9"	3' 9"	7' 6"
	45	A0745200	8,450	10,520	8	6' 0"	22	1' 0"	3' 9"	3' 9"	7' 6"
	50	A0750200	10,030	10,910	8	7' 6"	24-1/2	1' 0"	4' 6"	4' 6"	9' 0"
	55	A0755200	11,520	11,280	8	7' 6"	24-3/4	1' 0"	4' 6"	4' 6"	9' 0"
	60	A0760200	14,110	11,930	8	7' 6"	25-1/8	1' 0"	4' 6"	4' 6"	9' 0"
10 ton	10	A1010200	2,750	11,790	8	4' 6"	14	1' 0"	3' 0"	3' 0"	6' 0"
	15	A1015200	3,260	11,920	8	4' 6"	16-1/2	1' 0"	3' 0"	3' 0"	6' 0"
	20	A1020200	3,920	12,080	8	4' 6"	16-3/4	1' 0"	3' 0"	3' 0"	6' 0"
	25	A1025200	4,400	12,200	8	4' 6"	16-3/4	1' 0"	3' 0"	3' 0"	6' 0"
	30	A1030200	5,110	12,380	8	4' 6"	18-5/8	1' 0"	3' 0"	3' 0"	6' 0"
2,200 lb Design Trolley Weight	35	A1035200	6,570	12,750	8	6' 0"	19	1' 0"	3' 9"	3' 9"	7' 6"
	40	A1040200	7,720	13,030	8	6' 0"	21-7/8	1' 0"	3' 9"	3' 9"	7' 6"
	45	A1045200	9,880	13,570	8	6' 0"	25	1' 0"	3' 9"	3' 9"	7' 6"
	50	A1050200	11,450	13,970	8	7' 6"	25-1/4	1' 0"	4' 6"	4' 6"	9' 0"
	55	A1055200	12,330	14,190	8	7' 6"	25-1/4	1' 0"	4' 6"	4' 6"	9' 0"
	60	A1060200	14,130	14,640	8	7' 6"	28	1' 0"	4' 6"	4' 6"	9' 0"

CAUTION: Specifications and dimensions are for estimating purposes only. They are subject to change without notice. Do not rely upon them for accuracy. Call Ace for your specific requirements.

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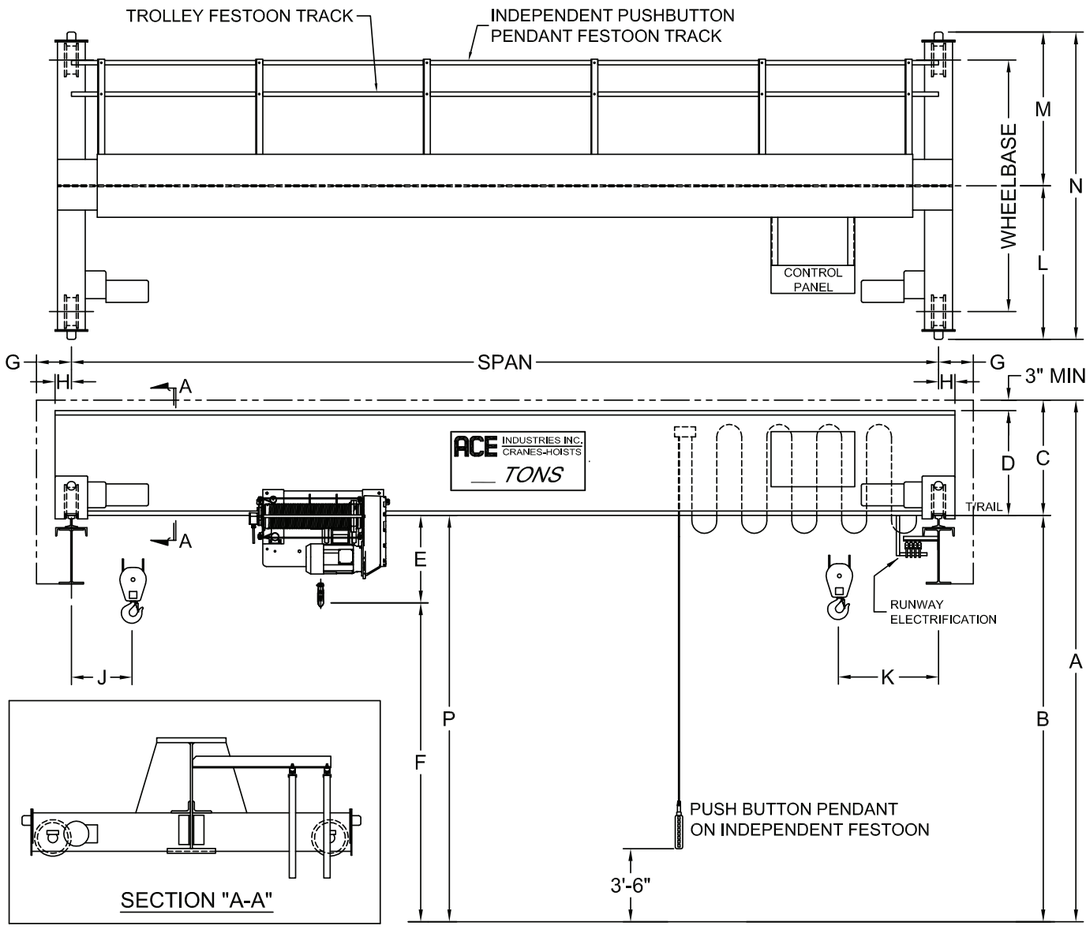
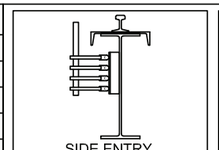
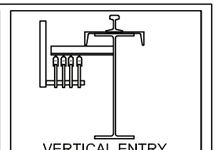


CRANE SPECIFICATIONS		DIMENSIONS	
Span		A	
Capacity		B	
Bridge Speed		C	
Trolley Speed		D	
Hoist Speed		E	
Available Lift		F	
Hoist		G	
Bridge Electrification	FLAT CABLE FESTOON	H	
Runway Electrification		J	
Motor Voltage		K	
Control Voltage	120-1-60	L	
Max Wheel Load		M	
Wheelbase, (W)		N	
CMAA Class			
Crane Weight			





RW SIZE:

BY: DATE:

ACE INDUSTRIES, INC. CRANES-HOISTS

GENERAL ARRANGEMENT
TOP RUNNING
SINGLE GIRDER CRANE

Capacity	Span	Catalog #	Crane Weight	Maximum Wheel Load	Wheel Diameter	Wheelbase	Dim. "D"	Dim. "H"	Dim. "L"	Dim. "M"	Dim. "N"
	ft		lbs	lbs	in		in	in			
1 ton	10	A0110100	1,300	1,580	6	4' 6"	12	4	2' 10"	2' 10"	5' 8"
	15	A0115100	1,460	1,620	6	4' 6"	12	4	2' 10"	2' 10"	5' 8"
	20	A0120100	1,630	1,660	6	4' 6"	12	4	2' 10"	2' 10"	5' 8"
	25	A0125100	2,000	1,750	6	4' 6"	12	4	2' 10"	2' 10"	5' 8"
	30	A0130100	2,320	1,830	6	4' 6"	12	4	2' 10"	2' 10"	5' 8"
500 lb Design Trolley Weight	35	A0135100	2,780	1,950	6	6' 0"	12	4	3' 7"	3' 7"	7' 2"
	40	A0140100	3,320	2,080	6	6' 0"	13-3/4	4	3' 7"	3' 7"	7' 2"
	45	A0145100	3,480	2,120	6	6' 0"	16-1/8	4	3' 7"	3' 7"	7' 2"
	50	A0150100	4,120	2,280	6	7' 6"	18-3/8	4	4' 4"	4' 4"	8' 8"
	55	A0155100	4,880	2,470	6	7' 6"	21	4	4' 4"	4' 4"	8' 8"
	60	A0160100	5,990	2,750	6	7' 6"	21-1/4	4	4' 4"	4' 4"	8' 8"
2 ton	10	A0210100	1,360	2,670	6	4' 6"	12	4	2' 10"	2' 10"	5' 8"
	15	A0215100	1,530	2,710	6	4' 6"	12	4	2' 10"	2' 10"	5' 8"
	20	A0220100	1,820	2,780	6	4' 6"	12	4	2' 10"	2' 10"	5' 8"
	25	A0225100	2,260	2,890	6	4' 6"	12	4	2' 10"	2' 10"	5' 8"
	30	A0230100	2,720	3,010	6	4' 6"	13-3/4	4	2' 10"	2' 10"	5' 8"
650 lb Design Trolley Weight	35	A0235100	3,250	3,140	6	6' 0"	13-7/8	4	3' 7"	3' 7"	7' 2"
	40	A0240100	3,860	3,290	6	6' 0"	13-7/8	4	3' 7"	3' 7"	7' 2"
	45	A0245100	3,980	3,320	6	6' 0"	18-1/8	4	3' 7"	3' 7"	7' 2"
	50	A0250100	5,160	3,620	6	7' 6"	18-1/4	4	4' 4"	4' 4"	8' 8"
	55	A0255100	6,190	3,880	6	7' 6"	21-1/4	4	4' 4"	4' 4"	8' 8"
	60	A0260100	6,990	4,080	6	7' 6"	21-1/2	4	4' 4"	4' 4"	8' 8"
3 ton	10	A0310100	1,450	3,770	6	4' 6"	12	4	2' 10"	2' 10"	5' 8"
	15	A0315100	1,660	3,820	6	4' 6"	12	4	2' 10"	2' 10"	5' 8"
	20	A0320100	1,920	3,880	6	4' 6"	12-1/2	4	2' 10"	2' 10"	5' 8"
	25	A0325100	2,340	3,990	6	4' 6"	13-3/4	4	2' 10"	2' 10"	5' 8"
	30	A0330100	2,880	4,120	6	4' 6"	13-7/8	4	2' 10"	2' 10"	5' 8"
800 lb Design Trolley Weight	35	A0335100	3,540	4,290	6	6' 0"	14	4	3' 7"	3' 7"	7' 2"
	40	A0340100	4,510	4,530	6	6' 0"	18-1/4	4	3' 7"	3' 7"	7' 2"
	45	A0345100	5,530	4,790	6	6' 0"	18-1/2	4	3' 7"	3' 7"	7' 2"
	50	A0350100	5,770	4,850	6	7' 6"	21-1/4	4	4' 4"	4' 4"	8' 8"
	55	A0355100	6,530	5,040	6	7' 6"	21-1/2	4	4' 4"	4' 4"	8' 8"
	60	A0360100	7,430	5,260	6	7' 6"	24-3/8	4	4' 4"	4' 4"	8' 8"
5 ton	10	A0510100	1,570	5,950	6	4' 6"	12-1/2	4	2' 10"	2' 10"	5' 8"
	15	A0515100	1,890	6,030	6	4' 6"	13-5/8	4	2' 10"	2' 10"	5' 8"
	20	A0520100	2,160	6,090	6	4' 6"	13-3/4	4	2' 10"	2' 10"	5' 8"
	25	A0525100	2,990	6,300	6	4' 6"	16-1/2	4	2' 10"	2' 10"	5' 8"
	30	A0530100	3,340	6,390	6	4' 6"	16-1/2	4	2' 10"	2' 10"	5' 8"
1,100 lb Design Trolley Weight	35	A0535100	4,570	6,700	6	6' 0"	16-3/4	4	3' 7"	3' 7"	7' 2"
	40	A0540100	5,030	6,810	6	6' 0"	18-5/8	4	3' 7"	3' 7"	7' 2"
	45	A0545100	6,160	7,090	6	6' 0"	21-1/2	4	3' 7"	3' 7"	7' 2"
	50	A0550100	7,440	7,410	6	7' 6"	21-3/4	4	4' 4"	4' 4"	8' 8"
	55	A0555100	8,810	7,760	6	7' 6"	24-3/8	4	4' 4"	4' 4"	8' 8"
	60	A0560100	9,650	7,970	6	7' 6"	27-1/8	4	4' 4"	4' 4"	8' 8"
7.5 ton	10	A0710100	1,940	8,890	8	4' 6"	12-1/2	5	2' 11"	2' 11"	5' 10"
	15	A0715100	2,250	8,970	8	4' 6"	14	5	2' 11"	2' 11"	5' 10"
	20	A0720100	2,850	9,120	8	4' 6"	14	5	2' 11"	2' 11"	5' 10"
	25	A0725100	3,450	9,270	8	4' 6"	16-1/2	5	2' 11"	2' 11"	5' 10"
	30	A0730100	4,220	9,460	8	4' 6"	16-3/4	5	2' 11"	2' 11"	5' 10"
1,800 lb Design Trolley Weight	35	A0735100	5,100	9,680	8	6' 0"	18-3/4	5	3' 8"	3' 8"	7' 4"
	40	A0740100	6,500	10,030	8	6' 0"	19	5	3' 8"	3' 8"	7' 4"
	45	A0745100	7,770	10,350	8	6' 0"	22	5	3' 8"	3' 8"	7' 4"
	50	A0750100	9,320	10,730	8	7' 6"	25	5	4' 5"	4' 5"	8' 10"
	55	A0755100	10,800	11,100	8	7' 6"	25-1/4	5	4' 5"	4' 5"	8' 10"
	60	A0760100	13,360	11,740	8	7' 6"	28	5	4' 5"	4' 5"	8' 10"
10 ton	10	A1010100	2,390	11,700	8	4' 6"	14	5	3' 0"	3' 0"	5' 10"
	15	A1015100	3,020	11,860	8	4' 6"	16-1/2	5	3' 0"	3' 0"	5' 10"
	20	A1020100	3,300	11,930	8	4' 6"	16-3/4	5	3' 0"	3' 0"	5' 10"
	25	A1025100	3,880	12,070	8	4' 6"	16-3/4	5	3' 0"	3' 0"	5' 10"
	30	A1030100	4,520	12,230	8	4' 6"	18-5/8	5	3' 0"	3' 0"	5' 10"
2,200 lb Design Trolley Weight	35	A1035100	5,470	12,470	8	6' 0"	19	5	3' 9"	3' 9"	7' 4"
	40	A1040100	6,630	12,760	8	6' 0"	22	5	3' 9"	3' 9"	7' 4"
	45	A1045100	8,430	13,210	8	6' 0"	24-3/4	5	3' 9"	3' 9"	7' 4"
	50	A1050100	8,940	13,340	8	7' 6"	25-1/4	5	4' 5"	4' 5"	8' 10"
	55	A1055100	11,540	13,990	10	7' 6"	25-1/4	5	4' 7"	4' 7"	9' 2"
	60	A1060100	14,960	14,840	10	7' 6"	28	5	4' 7"	4' 7"	9' 2"

CAUTION: Specifications and dimensions are for estimating purposes only. They are subject to change without notice. Do not rely upon them for accuracy. Call Ace for your specific requirements.

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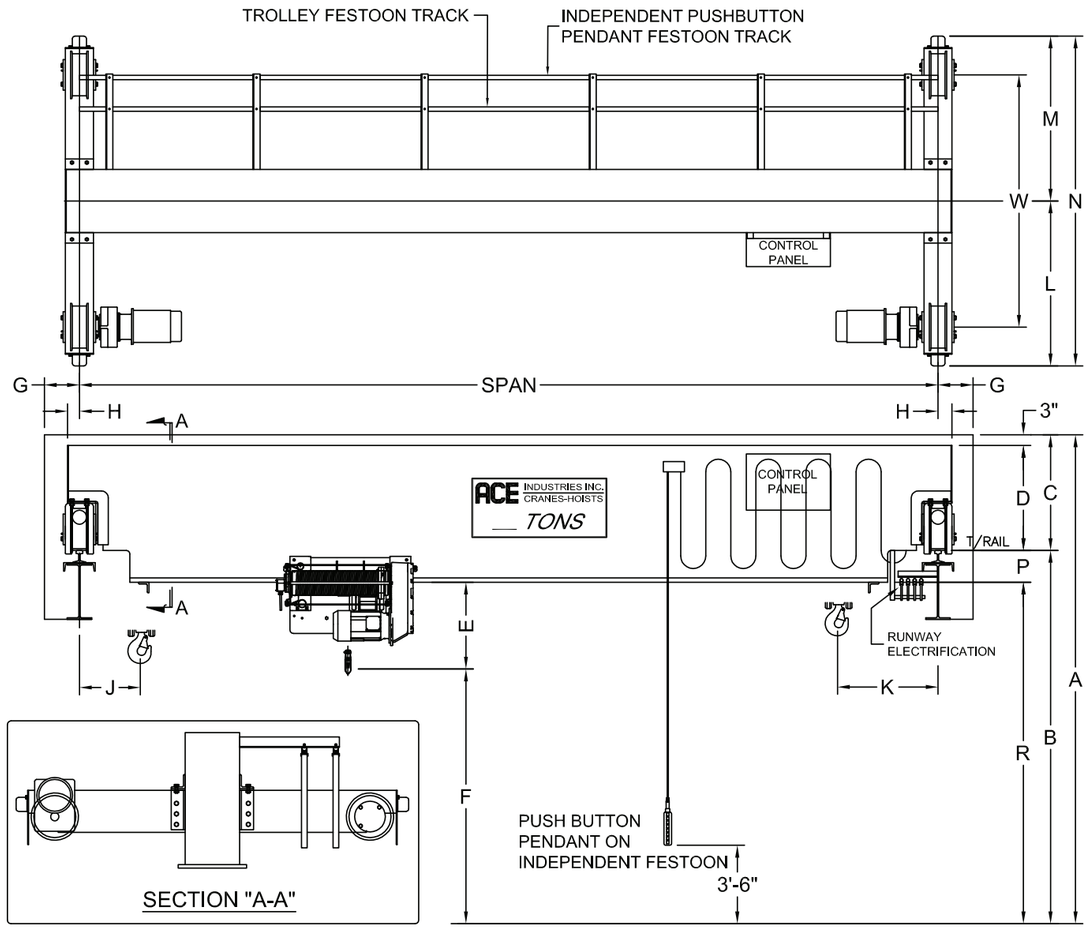
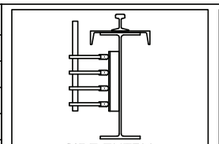
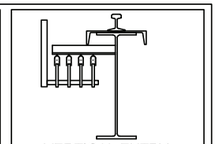
Top Running Monobox Girder

BRIDGE CRANES



CRANE SPECIFICATIONS		*DIMENSIONS*	
Span		A	
Capacity		B	
Bridge Speed		C	
Trolley Speed		D	
Hoist Speed		E	
Available Lift		F	
Hoist Model		G	
Bridge Electrification	FLAT CABLE FESTOON	H	
Runway Electrification		J	
Motor Voltage		K	
Control Voltage	120-1-60	L	
Max Wheel Load		M	
Wheelbase, (W)		P	
CMAA Class			
Crane Weight			





RW SIZE:

BY: DATE:

ACE INDUSTRIES, INC. CRANES-HOISTS

GENERAL ARRANGEMENT
MONOBOX CRANE

Capacity	Span	Catalog #	Crane Weight	Maximum Wheel Load	Wheel Diameter	Wheelbase	Dim. "D"	Dim. "H"	Dim. "L"	Dim. "M"	Dim. "P"
	ft		lbs	lbs	in		in	in			in
3 ton 850 lb Design Trolley Weight	50	A0350300	7,450	5,290	8	7' 6"	24	6	4' 5"	4' 5"	0
	55	A0355300	7,930	5,410	8	7' 6"	24	6	4' 5"	4' 5"	3
	60	A0360300	9,020	5,680	8	9' 0"	24	6	5' 3"	5' 3"	5
	65	A0365300	10,150	5,970	8	9' 0"	24	6	5' 3"	5' 3"	8
	70	A0370300	11,080	6,200	8	9' 0"	24	6	5' 3"	5' 3"	10
	75	A0375300	12,390	6,530	8	10' 6"	26	6	6' 0"	6' 0"	10
	80	A0380300	14,340	7,010	8	10' 6"	29	6	6' 0"	6' 0"	10
	85	A0385300	15,930	7,410	8	12' 6"	31	6	7' 0"	7' 0"	10
	90	A0390300	17,530	7,810	8	12' 6"	34	6	7' 0"	7' 0"	10
	95	A0395300	19,070	8,200	8	12' 6"	36	6	7' 0"	7' 0"	10
5 ton 1,100 lb Design Trolley Weight	50	A0550300	8,120	7,580	8	7' 6"	23	6	4' 5"	4' 5"	2
	55	A0555300	8,850	7,770	8	7' 6"	23	6	4' 5"	4' 5"	3
	60	A0560300	10,210	8,110	8	9' 0"	25	6	5' 3"	5' 3"	5
	65	A0565300	11,400	8,400	8	9' 0"	24	6	5' 3"	5' 3"	8
	70	A0570300	12,470	8,670	8	9' 0"	24	6	5' 3"	5' 3"	10
	75	A0575300	13,970	9,050	8	10' 6"	26	6	6' 0"	6' 0"	10
	80	A0580300	15,570	9,450	8	10' 6"	29	6	6' 0"	6' 0"	10
	85	A0585300	17,320	9,880	8	12' 6"	31	6	7' 0"	7' 0"	10
	90	A0590300	19,080	10,320	8	12' 6"	34	6	7' 0"	7' 0"	10
	95	A0595300	20,780	10,750	8	12' 6"	36	6	7' 0"	7' 0"	10
	100	A0500300	22,320	11,130	8	12' 6"	38	6	7' 0"	7' 0"	10
7.5 ton 1,800 lb Design Trolley Weight	50	A0750300	9,120	10,680	8	7' 6"	21	6	4' 5"	4' 5"	6
	55	A0755300	10,040	10,910	8	7' 6"	24	6	4' 5"	4' 5"	6
	60	A0760300	11,380	11,250	8	9' 0"	23	6	5' 3"	5' 3"	8
	65	A0765300	13,510	11,780	10	9' 0"	23	6	5' 3"	5' 3"	10
	70	A0770300	14,570	12,050	10	9' 0"	24	6	5' 3"	5' 3"	10
	75	A0775300	16,220	12,460	10	10' 6"	26	6	6' 0"	6' 0"	10
	80	A0780300	17,980	12,900	10	10' 6"	29	6	6' 0"	6' 0"	10
	85	A0785300	21,000	13,650	12	12' 6"	31	6	7' 4"	7' 4"	10
	90	A0790300	22,930	14,140	12	12' 6"	34	6	7' 4"	7' 4"	10
	95	A0795300	24,810	14,610	12	12' 6"	36	6	7' 4"	7' 4"	10
10 ton 1,100 lb Design Trolley Weight	50	A1050300	11,100	13,880	10	7' 6"	24	6	4' 5"	4' 5"	8
	55	A1055300	12,080	14,120	10	7' 6"	25	6	4' 5"	4' 5"	9
	60	A1060300	13,500	14,480	10	9' 0"	25	6	5' 7"	5' 7"	10
	65	A1065300	14,850	14,820	10	9' 0"	26	6	5' 7"	5' 7"	10
	70	A1070300	16,240	15,160	10	9' 0"	27	7	5' 7"	5' 7"	10
	75	A1075300	18,860	15,820	12	10' 6"	29	7	6' 4"	6' 4"	10
	80	A1080300	20,650	16,270	12	10' 6"	31	7	6' 4"	6' 4"	10
	85	A1085300	22,640	16,760	12	12' 6"	32	7	7' 4"	7' 4"	10
	90	A1090300	25,770	17,550	15	12' 6"	32	7	7' 8"	7' 8"	12
	95	A1095300	28,620	18,260	15	12' 6"	34	7	7' 8"	7' 8"	12
	100	A1000300	30,780	18,800	15	12' 6"	36	7	7' 8"	7' 8"	12

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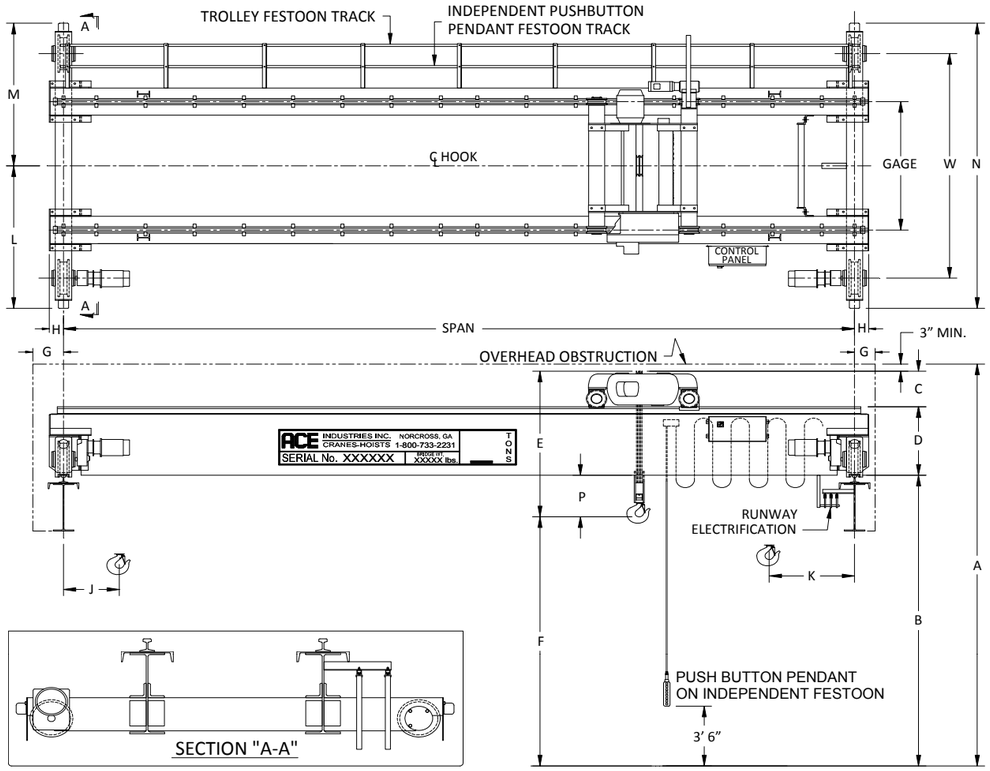
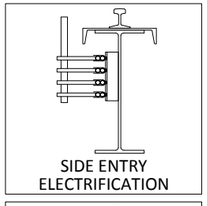
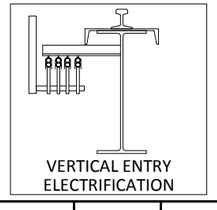


CRANE SPECIFICATIONS		DIMENSIONS	
Span		A	
Capacity		B	
Bridge Speed		C	
Trolley Speed		D	
Hoist Speed		E	
Available Lift		F	
Hoist Model, XXX lbs.		G	
Bridge Electrification	FLAT CABLE FESTOON	H	
Runway Electrification	4-CONDUCTORS	J	
Motor Voltage		K	
Control Voltage	120-1-60	L	
Max Wheel Load		M	
Wheelbase, (W)		N	
CMAA Class		P	
Bridge Weight		R	





RADIO CONTROL	YES	NO

RW SIZE:	
BY:	
DATE:	

ACE INDUSTRIES, INC. CRANES-HOISTS

Capacity	Span	Catalog #	Bridge Weight	Maximum Wheel Load	Wheel Diameter	Wheelbase	Dim. "D"	Dim. "H"	Dim. "L"	Dim. "M"	Dim. "N"
	ft		lbs	lbs	in		in	in			
5 ton 3,000 lb Design Trolley Weight	20	A0520400	5,530	7,890	8	9'-0"	15	6	5' 3"	5' 3"	10' 6"
	25	A0525400	6,610	8,160	8	9'-0"	15	6	5' 3"	5' 3"	10' 6"
	30	A0530400	7,910	8,480	8	9'-0"	17	6	5' 3"	5' 3"	10' 6"
	35	A0535400	8,620	8,660	8	9'-0"	21	6	5' 3"	5' 3"	10' 6"
	40	A0540400	9,670	8,920	8	9'-0"	24	6	5' 3"	5' 3"	10' 6"
	45	A0545400	11,670	9,420	8	9'-0"	25	6	5' 3"	5' 3"	10' 6"
	50	A0550400	13,710	9,930	8	9'-0"	27	6	5' 3"	5' 3"	10' 6"
	55	A0555400	17,070	10,770	8	9'-0"	28	6	5' 3"	5' 3"	10' 6"
	60	A0560400	19,260	11,320	8	9'-0"	30	6	5' 3"	5' 3"	10' 6"
7.5 ton 5,000 lb Design Trolley Weight	20	A0720400	5,740	11,440	8	9'-0"	15	6	5' 3"	5' 3"	10' 6"
	25	A0725400	6,770	11,700	8	9'-0"	17	6	5' 3"	5' 3"	10' 6"
	30	A0730400	8,280	12,070	8	9'-0"	20	6	5' 3"	5' 3"	10' 6"
	35	A0735400	8,900	12,230	8	9'-0"	24	6	5' 3"	5' 3"	10' 6"
	40	A0740400	11,150	12,790	8	9'-0"	24	6	5' 3"	5' 3"	10' 6"
	45	A0745400	13,350	13,340	8	9'-0"	27	6	5' 3"	5' 3"	10' 6"
	50	A0750400	15,850	13,970	8	9'-0"	28	6	5' 3"	5' 3"	10' 6"
	55	A0755400	17,960	14,490	8	9'-0"	30	6	5' 3"	5' 3"	10' 6"
	60	A0760400	21,110	15,280	8	9'-0"	33	6	5' 3"	5' 3"	10' 6"
10 ton 5,500 lb Design Trolley Weight	20	A1020400	5,870	14,220	8	9'-0"	17	6	5' 3"	5' 3"	10' 6"
	25	A1025400	7,500	14,630	8	9'-0"	19	6	5' 3"	5' 3"	10' 6"
	30	A1030400	8,840	14,960	8	9'-0"	21	6	5' 3"	5' 3"	10' 6"
	35	A1035400	9,840	15,210	8	9'-0"	24	6	5' 3"	5' 3"	10' 6"
	40	A1040400	11,500	15,630	8	9'-0"	27	6	5' 3"	5' 3"	10' 6"
	45	A1045400	14,630	16,410	8	9'-0"	28	6	5' 3"	5' 3"	10' 6"
	50	A1050400	16,690	16,930	8	9'-0"	30	6	5' 3"	5' 3"	10' 6"
	55	A1055400	20,020	17,760	10	9'-0"	31	6	5' 4"	5' 4"	10' 8"
	60	A1060400	22,790	18,450	10	9'-0"	33	6	5' 4"	5' 4"	10' 8"
15 ton 5,800 lb Design Trolley Weight	20	A1520400	6,310	19,480	10	9'-0"	17	6	5' 4"	5' 4"	10' 8"
	25	A1525400	7,730	19,840	10	9'-0"	20	6	5' 4"	5' 4"	10' 8"
	30	A1530400	8,740	20,090	10	9'-0"	24	6	5' 4"	5' 4"	10' 8"
	35	A1535400	10,880	20,620	10	9'-0"	27	6	5' 4"	5' 4"	10' 8"
	40	A1540400	13,610	21,310	10	9'-0"	28	6	5' 4"	5' 4"	10' 8"
	45	A1545400	15,620	21,810	10	9'-0"	30	6	5' 4"	5' 4"	10' 8"
	50	A1550400	18,450	22,520	10	9'-0"	33	6	5' 4"	5' 4"	10' 8"
	55	A1555400	23,010	23,660	10	9'-0"	37	6	5' 4"	5' 4"	10' 8"
	60	A1560400	24,730	24,090	10	9'-0"	37	6	5' 4"	5' 4"	10' 8"
20 ton 6,000 lb Design Trolley Weight	20	A2020400	8,660	25,170	12	9'-0"	20	6	5' 6"	5' 6"	11' 0"
	25	A2025400	9,680	25,420	12	9'-0"	25	6	5' 6"	5' 6"	11' 0"
	30	A2030400	11,320	25,830	12	9'-0"	25	6	5' 6"	5' 6"	11' 0"
	35	A2035400	13,680	26,420	12	9'-0"	28	6	5' 6"	5' 6"	11' 0"
	40	A2040400	16,180	27,050	12	9'-0"	31	6	5' 6"	5' 6"	11' 0"
	45	A2045400	18,930	27,740	12	9'-0"	34	6	5' 6"	5' 6"	11' 0"
	50	A2050400	22,140	28,540	12	9'-0"	34	6	5' 6"	5' 6"	11' 0"
	55	A2055400	25,000	29,250	12	9'-0"	37	6	5' 6"	5' 6"	11' 0"
25 ton 6,700 lb Design Trolley Weight	20	A2520400	9,040	30,610	12	9'-0"	22	6	5' 6"	5' 6"	11' 0"
	25	A2525400	10,040	30,860	12	9'-0"	25	6	5' 6"	5' 6"	11' 0"
	30	A2530400	11,890	31,330	12	9'-0"	28	6	5' 6"	5' 6"	11' 0"
	35	A2535400	14,850	32,070	12	9'-0"	31	6	5' 6"	5' 6"	11' 0"
	40	A2540400	17,000	32,600	12	9'-0"	31	6	5' 6"	5' 6"	11' 0"
	45	A2545400	21,060	33,620	12	9'-0"	34	6	5' 6"	5' 6"	11' 0"
	50	A2550400	23,240	34,160	12	9'-0"	37	6	5' 6"	5' 6"	11' 0"
	55	A2555400	28,930	35,590	12	9'-0"	40	6	5' 6"	5' 6"	11' 0"

CAUTION: Specifications and dimensions are for estimating purposes only. They are subject to change without notice. Do not rely upon them for accuracy. Call Ace for your specific requirements.

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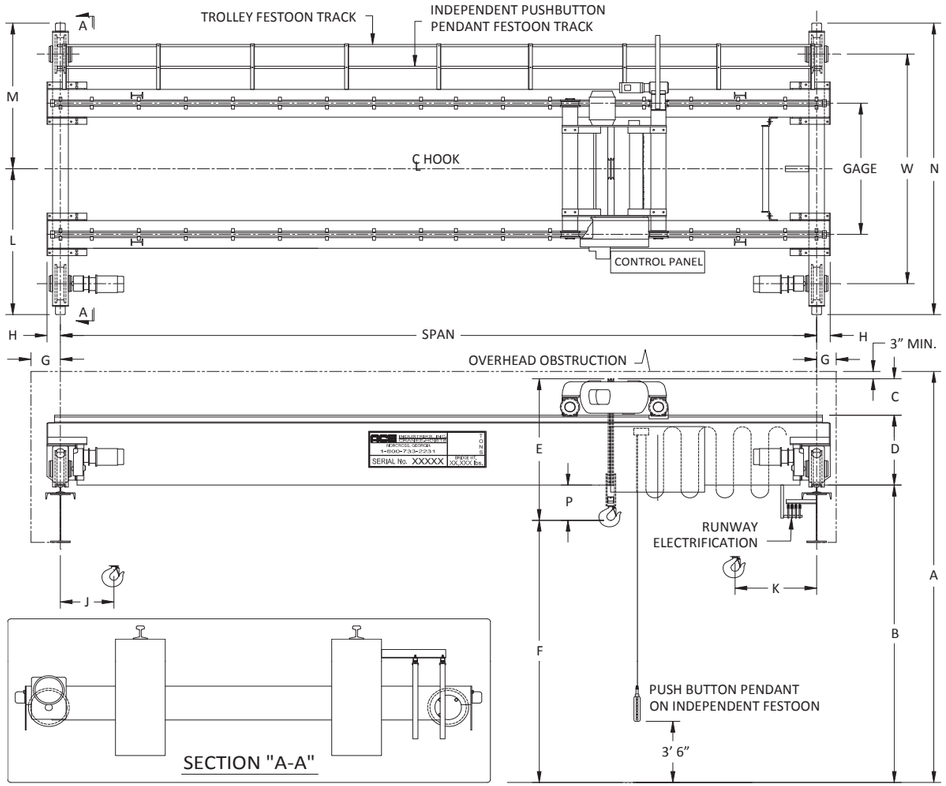
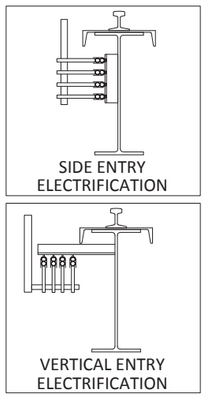


CRANE SPECIFICATIONS		DIMENSIONS	
Span		A	
Capacity		B	
Bridge Speed		C	
Trolley Speed		D	
Hoist Speed		E	
Available Lift		F	
Hoist Model, XXXX lbs.		G	
Bridge Electrification	FLAT CABLE FESTOON	H	
Runway Electrification	4-CONDUCTORS	J	
Motor Voltage		K	
Control Voltage	120-1-60	L	
Max Wheel Load		M	
Wheelbase, (W)		N	
CMAA Class		P	
Bridge Weight			



RADIO CONTROL	YES	NO

RW SIZE:	
BY:	
DATE:	

ACE INDUSTRIES, INC. CRANES-HOISTS

Capacity	Span	Catalog #	Bridge Weight	Maximum Wheel Load	Wheel Diameter	Wheelbase	Dim. "D"	Dim. "H"	Dim. "L"	Dim. "M"	Dim. "N"
	ft		lbs	lbs	in		in	in			
5 ton 3,000 lb Design Trolley Weight	50	A0550500	12,700	9,680	8	9' 0"	27-1/8	6	5' 3"	5' 3"	10' 6"
	55	A0555500	14,070	10,020	8	9' 0"	29-1/8	6	5' 3"	5' 3"	10' 6"
	60	A0560500	16,210	10,560	8	9' 0"	32-1/8	6	5' 3"	5' 3"	10' 6"
	65	A0565500	18,550	11,140	8	10' 6"	35-1/8	6	6' 0"	6' 0"	12' 0"
	70	A0570500	20,820	11,710	8	10' 6"	37-1/8	6	6' 0"	6' 0"	12' 0"
	75	A0575500	23,480	12,370	8	12' 6"	39-1/8	6	7' 0"	7' 0"	14' 0"
	80	A0580500	26,400	13,100	8	12' 6"	42-1/8	6	7' 0"	7' 0"	14' 0"
	85	A0585500	29,220	13,810	8	12' 6"	44-1/8	6	7' 0"	7' 0"	14' 0"
	90	A0590500	33,540	14,890	10	14' 6"	47-1/8	6	8' 1/4"	8' 1/4"	16' 1/2"
	95	A0595500	36,670	15,670	10	14' 6"	49-1/8	6	8' 1/4"	8' 1/4"	16' 1/2"
7.5 ton 4,100 lb Design Trolley Weight	50	A0750500	12,940	12,790	8	9' 0"	28-1/8	6	5' 3"	5' 3"	10' 6"
	55	A0755500	14,320	13,130	8	9' 0"	30-1/8	6	5' 3"	5' 3"	10' 6"
	60	A0760500	16,270	13,620	8	9' 0"	32-1/8	6	5' 3"	5' 3"	10' 6"
	65	A0765500	18,660	14,220	8	10' 6"	34-1/8	6	6' 0"	6' 0"	12' 0"
	70	A0770500	20,920	14,780	8	10' 6"	37-1/8	6	6' 0"	6' 0"	12' 0"
	75	A0775500	23,560	15,440	8	12' 6"	39-1/8	6	7' 0"	7' 0"	14' 0"
	80	A0780500	26,460	16,170	8	12' 6"	42-1/8	6	7' 0"	7' 0"	14' 0"
	85	A0785500	29,330	16,890	8	12' 6"	44-1/8	6	7' 0"	7' 0"	14' 0"
	90	A0790500	33,660	17,970	10	14' 6"	47-1/8	6	8' 1/4"	8' 1/4"	16' 1/2"
	95	A0795500	36,810	18,760	10	14' 6"	49-1/8	6	8' 1/4"	8' 1/4"	16' 1/2"
10 ton 5,500 lb Design Trolley Weight	50	A1050500	13,950	16,240	8	9' 0"	31-1/2	6	5' 3"	5' 3"	10' 6"
	55	A1055500	15,430	16,610	8	9' 0"	33-1/2	6	5' 3"	5' 3"	10' 6"
	60	A1060500	18,330	17,340	10	9' 0"	35-1/2	6	5' 3-1/4"	5' 3-1/4"	10' 6-1/2"
	65	A1065500	20,560	17,890	10	10' 6"	37-1/2	6	6' 1/4"	6' 1/4"	12' 1/2"
	70	A1070500	22,680	18,420	10	10' 6"	38-1/2	6	6' 1/4"	6' 1/4"	12' 1/2"
	75	A1075500	25,150	19,040	10	12' 6"	39-1/2	6	7' 1/4"	7' 1/4"	14' 1/2"
	80	A1080500	28,190	19,800	10	12' 6"	42-1/2	6	7' 1/4"	7' 1/4"	14' 1/2"
	85	A1085500	31,100	20,530	10	12' 6"	44-1/2	6	7' 1/4"	7' 1/4"	14' 1/2"
	90	A1090500	34,680	21,420	10	14' 6"	47-1/2	6	8' 1/4"	8' 1/4"	16' 1/2"
	95	A1095500	37,950	22,240	10	14' 6"	49-1/2	6	8' 1/4"	8' 1/4"	16' 1/2"
15 ton 5,800 lb Design Trolley Weight	50	A1550500	16,090	21,930	10	9' 0"	35-1/2	6	5' 3-1/4"	5' 3-1/4"	10' 1/2"
	55	A1555500	17,920	22,380	10	9' 0"	38-1/2	6	5' 3-1/4"	5' 3-1/4"	10' 6-1/2"
	60	A1560500	19,950	22,890	10	9' 0"	40-1/2	6	5' 3-1/4"	5' 3-1/4"	10' 6-1/2"
	65	A1565500	22,010	23,410	10	10' 6"	42-1/2	6	6' 1/4"	6' 1/4"	12' 1/2"
	70	A1570500	24,330	23,990	10	10' 6"	43-1/2	6	6' 1/4"	6' 1/4"	12' 1/2"
	75	A1575500	27,250	24,720	10	12' 6"	45-1/2	6	7' 1/4"	7' 1/4"	14' 1/2"
	80	A1580500	29,790	25,350	10	12' 6"	46-1/2	6	7' 1/4"	7' 1/4"	14' 1/2"
	85	A1585500	33,040	26,160	10	12' 6"	48-1/2	6	7' 1/4"	7' 1/4"	14' 1/2"
	90	A1590500	37,320	27,230	12	14' 6"	49-1/2	7	8' 3-1/4"	8' 3-1/4"	16' 6-1/2"
	95	A1595500	40,690	28,080	12	14' 6"	51-1/2	7	8' 3-1/4"	8' 3-1/4"	16' 6-1/2"
20 ton 6,000 lb Design Trolley Weight	50	A2050500	18,450	27,620	12	9' 0"	40-1/4	7	5' 6-1/4"	5' 6-1/4"	11' 1/2"
	55	A2055500	20,410	28,110	12	9' 0"	43-1/4	7	5' 6-1/4"	5' 6-1/4"	11' 1/2"
	60	A2060500	22,550	28,640	12	9' 0"	45-1/4	7	5' 6-1/4"	5' 6-1/4"	11' 1/2"
	65	A2065500	24,730	29,190	12	10' 6"	47-1/4	7	6' 3-1/4"	6' 3-1/4"	12' 6-1/2"
	70	A2070500	27,460	29,870	12	10' 6"	49-1/4	7	6' 3-1/4"	6' 3-1/4"	12' 6-1/2"
	75	A2075500	30,620	30,660	12	12' 6"	51-1/4	7	7' 3-1/4"	7' 3-1/4"	14' 6-1/2"
	80	A2080500	33,300	31,330	12	12' 6"	52-1/4	7	7' 3-1/4"	7' 3-1/4"	14' 6-1/2"
	85	A2085500	36,490	32,130	12	12' 6"	54-1/4	7	7' 3-1/4"	7' 3-1/4"	14' 6-1/2"
	90	A2090500	40,100	33,030	12	14' 6"	56-1/4	7	8' 3-1/4"	8' 3-1/4"	16' 6-1/2"
	95	A2095500	43,310	33,830	12	14' 6"	57-1/4	7	8' 3-1/4"	8' 3-1/4"	16' 6-1/2"
25 ton 6,700 lb Design Trolley Weight	50	A2550500	19,050	33,120	12	9' 0"	43-1/4	7	5' 6-1/4"	5' 6-1/4"	11' 1/2"
	55	A2555500	21,070	33,620	12	9' 0"	46-1/4	7	5' 6-1/4"	5' 6-1/4"	11' 1/2"
	60	A2560500	23,310	34,180	12	9' 0"	48-1/4	7	5' 6-1/4"	5' 6-1/4"	11' 1/2"
	65	A2565500	25,800	34,800	12	10' 6"	51-1/4	7	6' 3-1/4"	6' 3-1/4"	12' 6-1/2"
	70	A2570500	28,530	35,490	12	10' 6"	53-1/4	7	6' 3-1/4"	6' 3-1/4"	12' 6-1/2"
	75	A2575500	31,770	36,300	12	12' 6"	55-1/4	7	7' 3-1/4"	7' 3-1/4"	14' 6-1/2"
	80	A2580500	34,910	37,080	12	12' 6"	57-1/4	7	7' 3-1/4"	7' 3-1/4"	14' 6-1/2"
	85	A2585500	38,220	37,910	12	12' 6"	59-1/4	7	7' 3-1/4"	7' 3-1/4"	14' 6-1/2"
	90	A2590500	41,670	38,770	12	14' 6"	60-1/4	7	8' 3-1/4"	8' 3-1/4"	16' 6-1/2"
	95	A2595500	46,670	40,020	15	14' 6"	62-1/4	7	8' 6"	8' 6"	17' 0"
30 ton 7,200 lb Design Trolley Weight	50	A3050500	20,010	38,610	12	9' 0"	46-1/4	7	5' 6-1/4"	5' 6-1/4"	11' 1/2"
	55	A3055500	22,130	39,140	12	9' 0"	49-1/4	7	5' 6-1/4"	5' 6-1/4"	11' 1/2"
	60	A3060500	26,190	40,150	15	9' 0"	52-1/4	7	5' 9"	5' 9"	11' 6"
	65	A3065500	28,570	40,750	15	10' 6"	54-1/4	7	6' 6"	6' 6"	13' 0"
	70	A3070500	31,770	41,550	15	10' 6"	57-1/4	7	6' 6"	6' 6"	13' 0"
	75	A3075500	35,230	42,410	15	12' 6"	59-1/4	7	7' 6"	7' 6"	15' 0"
	80	A3080500	41,610	44,010	15	12' 6"	59-1/4	7	7' 6"	7' 6"	15' 0"
	85	A3085500	45,620	45,010	15	12' 6"	61-1/4	7	7' 6"	7' 6"	15' 0"
	90	A3090500	49,970	46,100	15	14' 6"	63-1/4	7	8' 6"	8' 6"	17' 0"
	95	A3095500	53,940	47,090	15	14' 6"	64-1/4	7	8' 6"	8' 6"	17' 0"

Wheel diameters and MWL are based on Class 'C' operation at 120 fpm.

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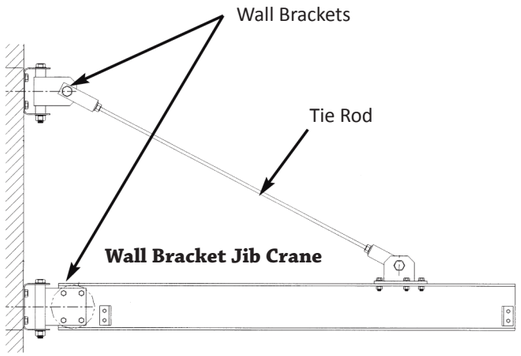
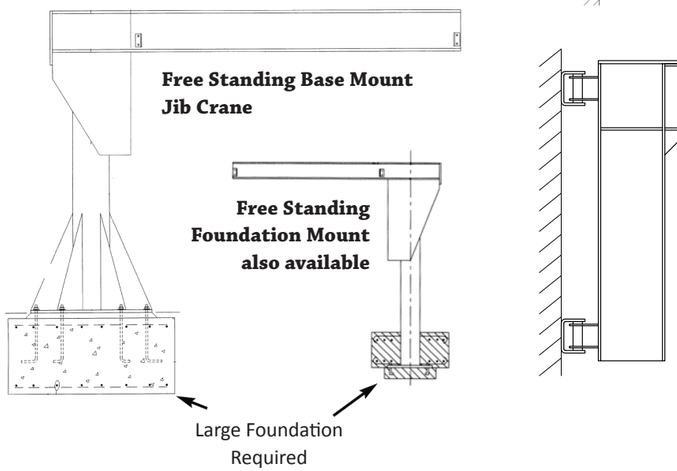
Ace Tips on Jib Cranes

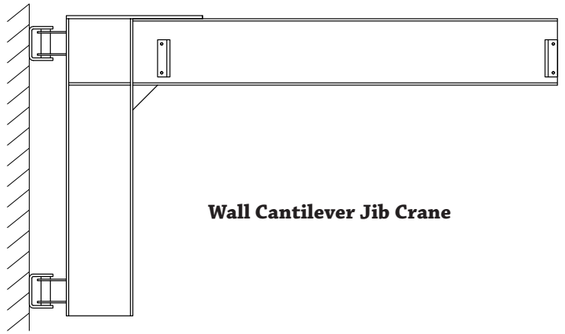
There are various types of jib cranes but the great majority of them fall into one of three categories:

1) free standing jib cranes
2) wall bracket jib cranes
3) wall cantilever jib cranes

Illustrations of the three types with pertinent labels are as follows:







Ace Industries manufactures and distributes a full line of industrial jib cranes as shown above. We also supply fittings for those interested in making their own wall bracket and wall cantilever jibs. We have jibs and components by CM, LiftTech, Yale, Gorbel, Spanco and others. Like our other products, there are no compromises. Heavy duty bearings provide smooth operation and long life. Optional bottom or top entry collectors provide trouble free electrification for 360 degree rotation. Motorized models are available. Standard capacities to 5 ton. Spans to 20 feet with 20 feet under the boom.

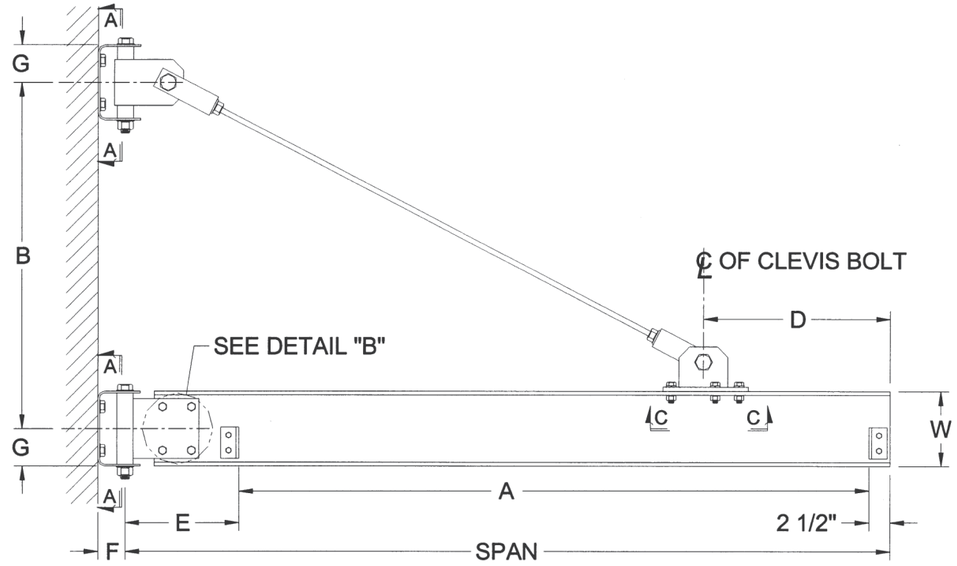
We find that the foundation requirements for free standing jib cranes are often underestimated. Standard footing requirements are shown on the free standing jib dimension page.

The proper installation of a jib crane can easily exceed the cost of the equipment. A poor installation on the correct foundation or structure can cause problems. Difficulty in movement and undesired rotation after release can be dangerous to plant personnel. Have our expert technicians install your jibs to insure a satisfactory result.

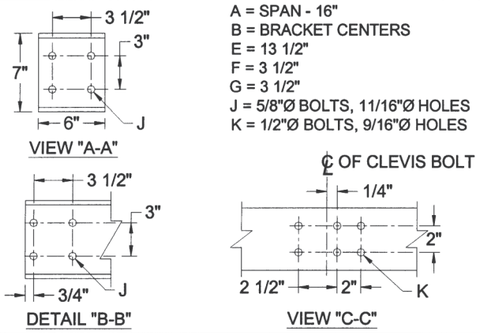
Wall traveling jib cranes and other special applications are also available.

Hoists and trolleys of every type and capacity are available from our stock to complete your jib crane project. This assures you of one source responsibility.

CAUTION: These tips are provided as a starting point in the selection process and are not universally applicable. Please consult our experts or the hoist manufacturer to find out the solution to your specific application or problem.

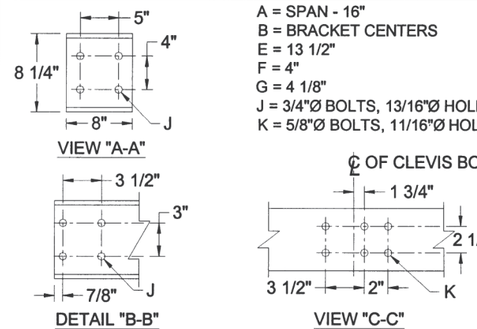


WB-G1



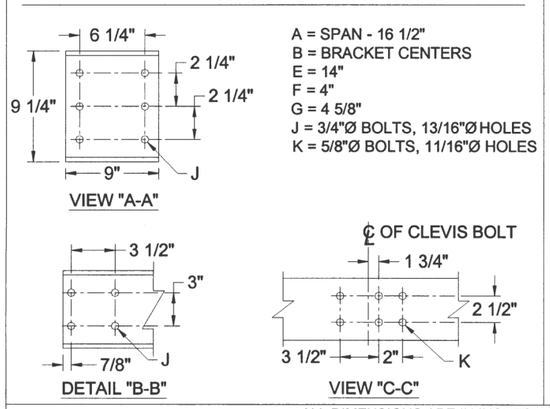
A = SPAN - 16"
B = BRACKET CENTERS
E = 13 1/2"
F = 3 1/2"
G = 3 1/2"
J = 5/8"Ø BOLTS, 11/16"Ø HOLES
K = 1/2"Ø BOLTS, 9/16"Ø HOLES

WB-G2



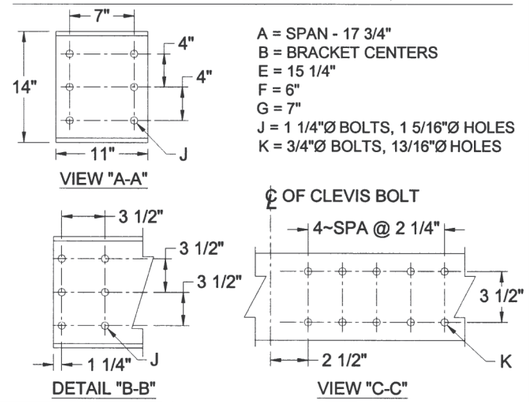
A = SPAN - 16"
B = BRACKET CENTERS
E = 13 1/2"
F = 4"
G = 4 1/8"
J = 3/4"Ø BOLTS, 13/16"Ø HOLES
K = 5/8"Ø BOLTS, 11/16"Ø HOLES

WB-G3



A = SPAN - 16 1/2"
B = BRACKET CENTERS
E = 14"
F = 4"
G = 4 5/8"
J = 3/4"Ø BOLTS, 13/16"Ø HOLES
K = 5/8"Ø BOLTS, 11/16"Ø HOLES

WB-G5



A = SPAN - 17 3/4"
B = BRACKET CENTERS
E = 15 1/4"
F = 6"
G = 7"
J = 1 1/4"Ø BOLTS, 1 5/16"Ø HOLES
K = 3/4"Ø BOLTS, 13/16"Ø HOLES

ALL DIMENSIONS ARE IN INCHES. HARDWARE FOR VIEW "A-A" BY OTHERS

Wall Bracket Specifications

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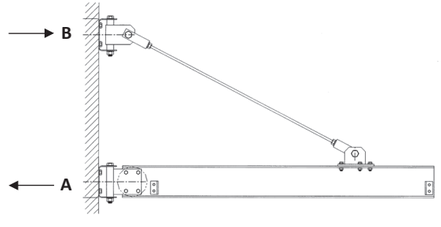
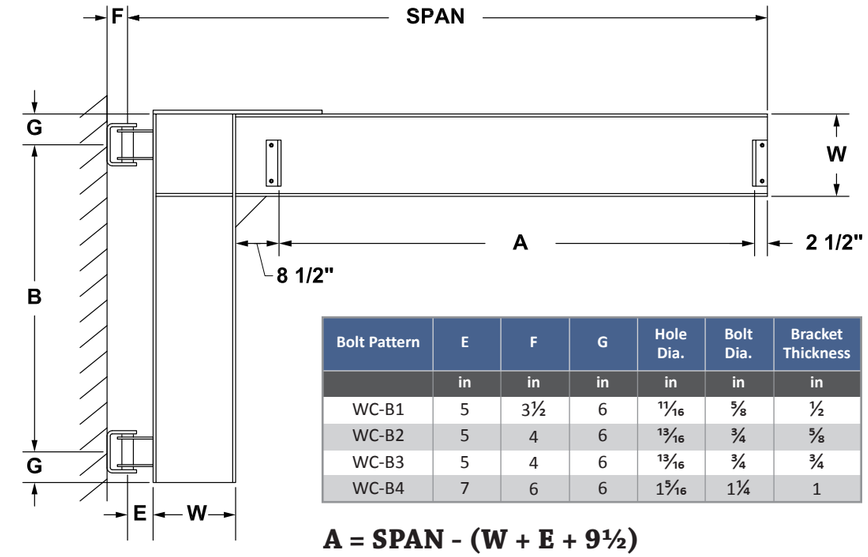
Capacity	Span	Model #	Bracket Type	B* Bracket Centers	D	W** Beam	C Cap Channel Length	Tie Rod Diameter	Tie Rod Threaded Length	*** Thrust and Pull	Shipping Wt.	S-Beam Length
tons	ft							in.		lbs	lbs	
½	8	WB-G1-8-6	WB-G1	2' 9"	1' 3"	6		1	5' 10-1/2"	3720	265	7' 7-3/8"
	10	WB-G1-10-6		3' 0"	1' 6"	6			7' 7-1/4"	4420	300	9' 7-3/8"
	12	WB-G1-12-6		3' 9"	1' 9"	6			9' 6"	4360	335	11' 7-3/8"
	14	WB-G1-14-6		4' 6"	2' 0"	6			11' 4-3/4"	4330	375	13' 7-3/8"
	16	WB-G1-16-6		5' 6"	2' 0"	6			13' 7-1/2"	4120	410	15' 7-3/8"
	18	WB-G1-18-7		6' 0"	2' 0"	7			15' 8"	4400	495	17' 7-3/8"
	20	WB-G1-20-8		6' 6"	2' 3"	8			17' 5-1/2"	4680	600	19' 7-3/8"
	22	WB-G1-22-8c6		7' 0"	2' 3"	8c6	18' 9"		19' 6-1/4"	5130	905	21' 7-3/8"
	24	WB-G1-24-8c6		7' 6"	2' 6"	8c6	20' 6"		21' 4"	5350	975	23' 7-3/8"
	26	WB-G1-26-10c6		8' 0"	2' 6"	10c6	22' 6"		23' 4-1/2"	5810	1230	25' 7-3/8"
	28	WB-G1-28-10c6		9' 0"	3' 0"	10c6	24' 0"		25' 1-1/4"	5680	1315	27' 7-3/8"
	30	WB-G1-30-12c8		10' 0"	3' 6"	12c8	25' 6"		26' 10"	6040	1710	29' 7-3/8"
1	8	WB-G1-8-6	WB-G1	2' 9"	1' 3"	6		1	5' 10-1/2"	7280	265	7' 7-3/8"
	10	WB-G1-10-6		3' 0"	1' 6"	6			7' 7-1/4"	8620	300	9' 7-3/8"
	12	WB-G1-12-6		3' 9"	1' 9"	6			9' 6"	8640	335	11' 7-3/8"
	14	WB-G1-14-7		4' 6"	2' 0"	7			11' 4-3/4"	8440	415	13' 7-3/8"
	16	WB-G1-16-7		5' 6"	2' 3"	7			13' 4-1/2"	8010	455	15' 7-3/8"
	18	WB-G1-18-8		6' 0"	2' 3"	8			15' 2-1/4"	8450	555	17' 7-3/8"
	20	WB-G1-20-10		6' 6"	2' 6"	10			17' 2-1/2"	8980	745	19' 7-3/8"
	22	WB-G1-22-10c6		7' 0"	2' 6"	10c6	18' 3"		19' 1/4"	9580	1065	21' 7-3/8"
	24	WB-G1-24-10c6		7' 6"	3' 0"	10c6	20' 3"		21' 1"	9890	1150	23' 7-3/8"
	26	WB-G1-26-10c6		8' 0"	3' 6"	10c6	22' 0"		22' 10-3/4"	10190	1230	25' 7-3/8"
	28	WB-G1-28-12c8		9' 0"	3' 6"	12c8	23' 6"		24' 7-1/4"	10320	1610	27' 7-3/8"
	30	WB-G1-30-12c8		10' 0"	3' 0"	12c8	25' 6"		26' 10"	10100	1710	29' 7-3/8"
2	8	WB-G2-8-8	WB-G2	2' 9"	1' 3"	8		1½	5' 11-1/4"	14480	375	7' 7-1/4"
	10	WB-G2-10-8		3' 0"	1' 6"	8			7' 8-1/4"	17170	435	9' 7-1/4"
	12	WB-G2-12-8		3' 9"	1' 9"	8			9' 7"	16790	495	11' 7-1/4"
	14	WB-G2-14-8		4' 6"	2' 0"	8			11' 5-3/4"	16590	550	13' 7-1/4"
	16	WB-G2-16-10		5' 6"	2' 3"	10			13' 5"	16880	720	15' 7-1/4"
	18	WB-G2-18-10		6' 0"	2' 3"	10			15' 5-3/4"	16570	795	17' 7-1/4"
	20	WB-G2-20-12		6' 6"	2' 6"	12			17' 3-1/4"	17320	1000	19' 7-1/4"
	22	WB-G2-22-12c8		7' 0"	2' 6"	12c8	18' 6"		19' 4"	18320	1420	21' 7-1/4"
	24	WB-G2-24-12c8		7' 6"	3' 0"	12c8	20' 0"		20' 11"	18860	1535	23' 7-1/4"
	26	WB-G2-26-12c8		8' 0"	3' 0"	12c8	21' 6"		22' 3"	19360	1650	25' 7-1/4"
	28	WB-G2-28-12c8		9' 0"	3' 0"	12c8	23' 6"		24' 5"	18720	1760	27' 7-1/4"
	30	WB-G2-30-12c8		10' 0"	3' 0"	12c8	26' 0"		27' 4-3/4"	18220	1895	29' 7-1/4"
3	8	WB-G3-8-8	WB-G3	2' 9"	1' 3"	8		1½	5' 11-1/2"	21600	435	7' 6-5/8"
	10	WB-G3-10-8		3' 3"	1' 6"	8			7' 9-1/2"	23550	490	9' 6-5/8"
	12	WB-G3-12-10		4' 0"	1' 9"	10			9' 8"	23570	630	11' 6-5/8"
	14	WB-G3-14-10		4' 9"	2' 0"	10			11' 6-3/4"	23530	700	13' 6-5/8"
	16	WB-G3-16-10		5' 6"	2' 3"	10			13' 5-1/2"	23510	765	15' 6-5/8"
	18	WB-G3-18-12		6' 3"	2' 3"	12			15' 6-3/4"	23680	950	17' 6-5/8"
	20	WB-G3-20-12c8		7' 0"	2' 6"	12c8	16' 6"		17' 5-1/2"	24060	1340	19' 6-5/8"
	22	WB-G3-22-12c8		7' 9"	2' 6"	12c8	18' 6"		19' 7-1/4"	24140	1450	21' 6-5/8"
	24	WB-G3-24-12c8		8' 6"	3' 0"	12c8	20' 0"		21' 3-1/4"	24220	1565	23' 6-5/8"
	26	WB-G3-26-12c8		9' 3"	3' 0"	12c8	22' 0"		23' 4-3/4"	24310	1940	25' 6-5/8"
	28	WB-G3-28-12c8		10' 0"	3' 0"	12c8	24' 0"		25' 6-1/2"	24410	2065	27' 6-5/8"
	30	WB-G3-30-12c8		11' 0"	3' 0"	12c8	26' 0"		27' 9"	23950	2185	29' 6-5/8"
5	8	WB-G5-8-12	WB-G5	3' 0"	1' 6"	12		2	5' 9-3/4"	33000	780	7' 6-1/4"
	10	WB-G5-10-12		3' 3"	1' 6"	12			7' 9-1/2"	39260	860	9' 6-1/4"
	12	WB-G5-12-12		4' 0"	1' 9"	12			9' 8-1/4"	39070	940	11' 6-1/4"
	14	WB-G5-14-12		4' 9"	2' 0"	12			11' 7"	38970	1020	13' 6-1/4"
	16	WB-G5-16-15		5' 6"	2' 6"	15			13' 2-1/2"	39180	1280	15' 6-1/4"
	18	WB-G5-18-15		6' 3"	3' 0"	15			14' 10-1/2"	39150	1385	17' 6-1/4"
	20	WB-G5-20-15c10		7' 0"	3' 6"	15c10	15' 3"		16' 6-1/2"	39660	1755	19' 6-1/4"
	22	WB-G5-22-15c10		7' 9"	3' 6"	15c10	17' 3"		18' 8"	39740	1885	21' 6-1/4"
	24	WB-G5-24-15c10		8' 6"	3' 6"	15c10	19' 3"		20' 9-3/4"	39850	2015	23' 6-1/4"
	26	WB-G5-26-15c10		9' 3"	3' 6"	15c10	21' 3"		22' 11-1/4"	39960	2145	25' 6-1/4"
	28	WB-G5-28-15c10		10' 0"	3' 6"	15c10	23' 3"		25' 1"	40070	2690	27' 6-1/4"
	30	WB-G5-30-15c10		11' 0"	3' 6"	15c10	25' 3"		27' 3-3/4"	39280	2835	29' 6-1/4"

***** Do not deviate from "B" dimension. ****** The "W" dimension indicates the S-beam to be used. If a cap channel needs to be stitch welded to the top of the S-beam, the letter "C" will follow the S-beam size. The last number indicates the size of the cap channel.
******* The diagram to the right, details the thrust and pull forces that this jib crane applies to the supporting structure when a load is lifted. The chart above details in pounds the thrust at point A and the pull at point B. It is essential that a structurally adequate wall, column or truss exist to support the jib crane.
Caution: Specifications and dimensions are for estimating purposes only. They are subject to change without notice. Do not rely upon them for accuracy. Call Ace for your specific requirements.

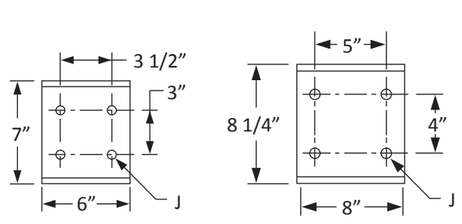


Wall Cantilever



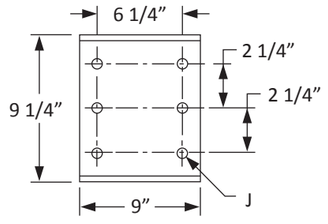
Bolt Pattern	E	F	G	Hole Dia.	Bolt Dia.	Bracket Thickness
	in	in	in	in	in	in
WC-B1	5	3½	6	11/16	⅝	½
WC-B2	5	4	6	13/16	¾	⅝
WC-B3	5	4	6	13/16	¾	¾
WC-B4	7	6	6	1 5/16	1¼	1

A = SPAN - (W + E + 9½)

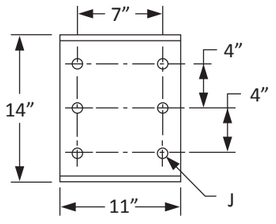


WC-B1

WC-B2



WC-B3



WC-B5

View "A-A"

Jib Crane Specifications	Dimensions	By:
Capacity	A	Date:
Span	B	
Bracket Number	E	
Thrust	F	
Pull	G	GENERAL SPECIFICATIONS WALL CANTILEVER JIB CRANE
Weight	W	
Model No.		

Wall Cantilever Specifications

https://truckmanualshub.com/

Capacity	Span	Model #	B* Bracket Center	E	F	G	W** Beam	Thrust & Pull ***	Shipping Weight
tons	ft			in	in	in	in	lbs	lbs
¼	8	FC-B1-8-6	3' 0"	5	3½	6	6	2000	250
	10	FC-B1-10-6	3' 0"	5	3½	6	6	2540	275
	12	FC-B1-12-6	3' 0"	5	3½	6	6	3100	310
	14	FC-B1-14-7	3' 0"	5	3½	6	7	3670	375
	16	FC-B1-16-8	3' 0"	5	3½	6	8	4380	475
	18	FC-B1-18-8	4' 0"	5	3½	6	8	3900	530
	20	FC-B1-20-10	4' 0"	5	3½	6	10	4770	750
½	8	FC-B1-8-7	3' 0"	5	3½	6	7	3900	280
	10	FC-B1-10-7	3' 0"	5	3½	6	7	4920	315
	12	FC-B1-12-7	3' 0"	5	3½	6	7	5970	350
	14	FC-B1-14-8	4' 0"	5	3½	6	8	5350	455
	16	FC-B1-16-10	4' 0"	5	3½	6	10	6410	650
	18	FC-B1-18-10	4' 0"	5	3½	6	10	7330	700
	20	FC-B1-20-12	6' 0"	5	3½	6	12	5730	965
1	8	FC-B1-8-8	4' 0"	5	3½	6	8	5750	350
	10	FC-B1-10-10	5' 0"	5	3½	6	10	5850	545
	12	FC-B1-12-10	5' 0"	5	3½	6	10	7090	570
	14	FC-B1-14-10	5' 0"	5	3½	6	10	8340	620
	16	FC-B1-16-12	6' 0"	5	3½	6	12	8150	875
	18	FC-B1-18-15	6' 0"	5	3½	6	15	9560	1205
	20	FC-B1-20-15	6' 0"	5	3½	6	15	10760	1300
2	8	FC-B2-8-12	4' 0"	5	4	6	12	11460	560
	10	FC-B2-10-12	4' 0"	5	4	6	12	14400	620
	12	FC-B2-12-15	4' 6"	5	4	6	15	15500	920
	14	FC-B2-14-15	5' 0"	5	4	6	15	16620	1035
	16	FC-B2-16-18	6' 0"	5	4	6	18	16100	1410
	18	FC-B2-18-18	6' 6"	5	4	6	18	16900	1560
	20	FC-B2-20-20	7' 6"	5	4	6	20	16680	2030
3	8	FC-B3-8-15	4' 0"	5	4	6	15	17140	770
	10	FC-B3-10-15	4' 6"	5	4	6	15	19200	860
	12	FC-B3-12-15	5' 6"	5	4	6	15	18900	945
	14	FC-B3-14-18	6' 0"	5	4	6	18	19900	1270
	16	FC-B3-16-18	7' 6"	5	4	6	18	18900	1565
	18	FC-B3-18-20	8' 6"	5	4	6	20	19000	1940
	20	FC-B3-20-24	9' 6"	5	4	6	24	19370	2640
5	8	FC-B5-8-18	6' 6"	7	6	9	18	17500	1280
	10	FC-B5-10-18	6' 6"	7	6	9	18	21960	1385
	12	FC-B5-12-20	6' 6"	7	6	9	20	26450	1720
	14	FC-B5-14-20	7' 6"	7	6	9	20	26990	1920
	16	FC-B5-16-24	9' 6"	7	6	9	24	24660	2365
	18	FC-B5-18-24	9' 6"	7	6	9	24	27890	2500
	20	FC-B5-20-24	9' 6"	7	6	9	24	31160	2630

* Do not deviate from "B" dimension.
** The "W" dimension indicates the size S-beam to be used.
*** The diagram to the right details the thrust and pull forces that this jib crane applies to the supporting structure when a load is lifted.The chart above details in pounds the thrust at point T and the pull at point P. It is essential that a structurally adequate wall, column or truss exist to support the jib crane.
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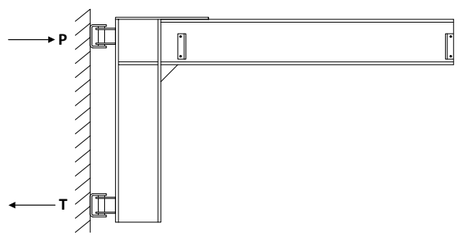
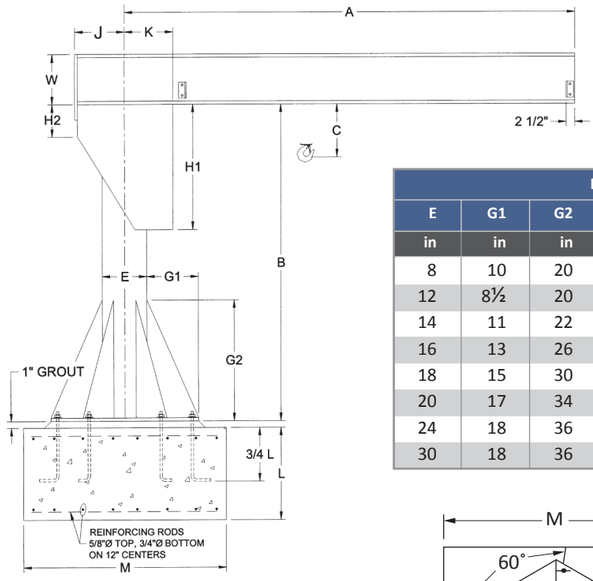
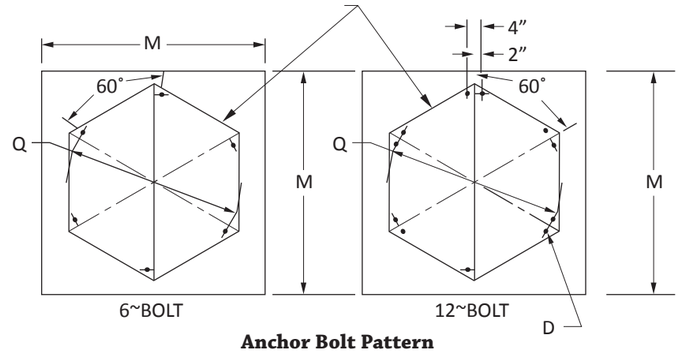




Dimensions							Anchor Bolt Pattern		
E	G1	G2	J	K	H1	H2	Qty.	D	Q
in	in	in	in	in	in	in			
8	10	20	10⅜	10	46¾	4	6	1.00	24
12	8½	20	12⅞	12½	71¾	6	6	1.25	24
14	11	22	15⅜	15	72	8	6	1.25	30
16	13	26	17⅜	17	72	8	12	1.25	36
18	15	30	17⅜	17	72	9	12	1.25	42
20	17	34	17⅞	17½	72	10	12	1.25	48
24	18	36	22⅞	22½	77	12	12	1.25	54
30	18	36	25⅜	25	84	12	12	1.25	60



Anchor Bolt Pattern

Capacity	Span (A)	Footing Size	
		Width (M)	Depth (L)
tons	ft	ft	in
¼	8 - 13	4	3
	14 - 20	4	4
½	8 - 12	4	4
	13 - 20	5	4
1	8 - 10	5	4
	11 - 15	6	4
	16 - 20	7	4
1½	8 - 12	6	4
	13 - 15	7	4
	16 - 20	8	4
2	8 - 11	6	4
	12 - 15	7	4
	16 - 20	8	4
3	8 - 16	8	4
	17 - 20	9	4
4	8 - 13	8	4
	14 - 20	10	4
5	8 - 14	9	4
	15 - 18	10	4
	19 - 20	10	5

Jib Crane Specifications	
Capacity	
Crane Wt.	
Model No.	
DIMENSIONS	
A	
B	
C	
E	
W	
By:	**Date:**

GENERAL SPECIFICATIONS
FREE STANDING
JIB CRANE

https://truckmanualshub.com/

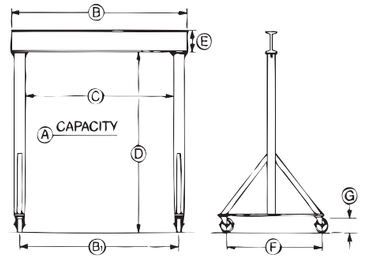
Capacity	Dim B	A Span						
		8'	10'	12'	14'	16'	18'	20'
tons	ft							
¼	8	FSB-8-6	FSB-8-6	FSB-8-6	FSB-12-8	FSB-12-8	FSB-12-10	FSB-12-10
	10	FSB-8-6	FSB-8-6	FSB-8-6	FSB-12-8	FSB-12-8	FSB-12-10	FSB-12-10
	12	FSB-8-6	FSB-8-6	FSB-12-6	FSB-12-8	FSB-12-8	FSB-12-10	FSB-12-10
	14	FSB-8-6	FSB-8-6	FSB-12-6	FSB-12-8	FSB-12-8	FSB-12-10	FSB-14-10
	16	FSB-8-6	FSB-8-6	FSB-12-6	FSB-12-8	FSB-12-8	FSB-12-10	FSB-14-10
	18	FSB-8-6	FSB-12-6	FSB-12-6	FSB-12-8	FSB-14-8	FSB-14-10	FSB-14-10
	20	FSB-8-6	FSB-12-6	FSB-12-6	FSB-14-8	FSB-14-8	FSB-14-10	FSB-16-10
½	8	FSB-8-6	FSB-8-6	FSB-12-7	FSB-12-8	FSB-12-10	FSB-12-10	FSB-12-12
	10	FSB-8-6	FSB-8-6	FSB-12-7	FSB-12-8	FSB-12-10	FSB-12-10	FSB-14-12
	12	FSB-8-6	FSB-12-6	FSB-12-7	FSB-12-12	FSB-12-12	FSB-14-15	FSB-14-15
	14	FSB-8-6	FSB-12-6	FSB-12-10	FSB-12-12	FSB-12-12	FSB-14-15	FSB-14-15
	16	FSB-8-6	FSB-12-6	FSB-12-10	FSB-12-12	FSB-14-12	FSB-14-15	FSB-16-15
	18	FSB-8-6	FSB-12-6	FSB-12-10	FSB-14-12	FSB-14-12	FSB-16-15	FSB-16-15
	20	FSB-8-6	FSB-12-6	FSB-14-10	FSB-14-12	FSB-14-12	FSB-16-15	FSB-16-15
1	8	FSB-12-7	FSB-12-8	FSB-12-10	FSB-14-12	FSB-14-12	FSB-14-15	FSB-14-15
	10	FSB-12-7	FSB-12-8	FSB-12-10	FSB-14-12	FSB-14-12	FSB-14-15	FSB-14-15
	12	FSB-12-7	FSB-12-8	FSB-14-10	FSB-14-12	FSB-16-12	FSB-16-15	FSB-16-15
	14	FSB-12-7	FSB-12-8	FSB-14-10	FSB-14-12	FSB-16-12	FSB-18-15	FSB-18-15
	16	FSB-12-7	FSB-12-8	FSB-14-10	FSB-16-12	FSB-18-12	FSB-18-15	FSB-18-15
	18	FSB-12-7	FSB-14-8	FSB-16-10	FSB-16-12	FSB-18-12	FSB-18-15	FSB-18-15
	20	FSB-12-7	FSB-14-8	FSB-16-10	FSB-18-12	FSB-18-12	FSB-20-15	FSB-20-15
2	8	FSB-14-10	FSB-14-12	FSB-16-12	FSB-16-15	FSB-16-18	FSB-18-18	FSB-18-18
	10	FSB-14-10	FSB-14-12	FSB-16-12	FSB-16-15	FSB-16-18	FSB-18-18	FSB-18-18
	12	FSB-14-10	FSB-14-12	FSB-16-12	FSB-16-15	FSB-16-18	FSB-18-18	FSB-18-18
	14	FSB-14-10	FSB-14-12	FSB-16-12	FSB-16-15	FSB-18-18	FSB-18-18	FSB-20-18
	16	FSB-14-10	FSB-14-12	FSB-16-12	FSB-18-15	FSB-18-18	FSB-18-18	FSB-24-18
	18	FSB-14-10	FSB-16-12	FSB-18-12	FSB-18-15	FSB-20-18	FSB-20-18	FSB-24-18
	20	FSB-14-10	FSB-16-12	FSB-18-12	FSB-18-15	FSB-20-18	FSB-20-18	FSB-24-18
3	8	FSB-16-12	FSB-16-15	FSB-18-15	FSB-18-18	FSB-20-18	FSB-20-20	FSB-24-24
	10	FSB-16-12	FSB-16-15	FSB-18-15	FSB-18-18	FSB-20-18	FSB-20-20	FSB-24-24
	12	FSB-16-12	FSB-16-15	FSB-18-15	FSB-18-18	FSB-20-18	FSB-20-20	FSB-24-24
	14	FSB-16-12	FSB-16-15	FSB-18-15	FSB-18-18	FSB-20-18	FSB-20-20	FSB-24-24
	16	FSB-16-12	FSB-16-15	FSB-18-15	FSB-18-18	FSB-20-18	FSB-24-20	FSB-24-24
	18	FSB-16-12	FSB-16-15	FSB-18-15	FSB-20-18	FSB-24-18	FSB-24-20	FSB-24-24
	20	FSB-16-12	FSB-16-15	FSB-20-15	FSB-20-18	FSB-24-18	FSB-24-20	FSB-24-24
5	8	FSB-18-15	FSB-20-18	FSB-24-18	FSB-24-20	FSB-24-24	FSB-30-24	FSB-30-24
	10	FSB-18-15	FSB-20-18	FSB-24-18	FSB-24-20	FSB-24-24	FSB-30-24	FSB-30-24
	12	FSB-18-15	FSB-20-18	FSB-24-18	FSB-24-20	FSB-24-24	FSB-30-24	FSB-30-24
	14	FSB-18-15	FSB-20-18	FSB-24-18	FSB-24-20	FSB-24-24	FSB-30-24	FSB-30-24
	16	FSB-18-15	FSB-20-18	FSB-24-18	FSB-24-20	FSB-24-24	FSB-30-24	FSB-30-24
	18	FSB-18-15	FSB-20-18	FSB-24-18	FSB-24-20	FSB-24-24	FSB-30-24	FSB-30-24
	20	FSB-18-15	FSB-20-18	FSB-24-18	FSB-24-20	FSB-24-24	FSB-30-24	FSB-30-24

FSB stands for "free standing base mount"; for foundation mount, the model number would begin **FSF**, and sleeve mount would begin **FSS**. First number(s) stand for the diameter of the mast in inches (E), and second numbers represent the nominal boom depth (W). Detailed specifications on **FSF** and **FSS** models can be obtained by contacting Ace.
CAUTION: Specifications and dimensions are for estimating purposes only and are subject to change without notice. Do not rely upon this information for accuracy. Call Ace for your specific requirements.

SPANCO E Series Steel Fixed and Adjustable Height Gantry Cranes

SPANCO E Series Gantries are economical and rugged. The fixed height models conform to military specifications* and are sturdily constructed of high strength mechanical tubing with welded and bolted construction. Gantries roll easily on durable polyurethane wheels that will not mark floors. Wheel brakes, swivel locks, and other wheel and caster styles are optional

All gantries have standard American I-beam or wide flange beam. Gantries can be purchased without the beam for freight savings. Gantries with beams are shipped in three pieces for easy assembly. Higher capacities and adjustable height models are available.



Use this diagram to select your gantry from the table below.

* Standard fixed height steel Series E gantries meet MIL-G-29673 except for the use of lightweight, non-marking polyurethane wheels. Steel wheels available (option) to fully meet MIL-G-29673.

E Series Steel — Adjustable Height*

A Cap.	B Span Overall	C Clear Span		D Under Beam		E I-Beam Depth	F Tread Width	G Caster Dia.	H Weight	Model
		Max.	Min.	Max.	Min.					
tons						in		in		
1 ton steel	11' 6"	10' 6"	4' 0"	7' 0"	4' 4"	6	4' 0"	6	351	1AW1007B
				9' 0"	5' 4"		5' 0"		394	1AW1009B
				10' 0"	5' 10"		5' 6"		415	1AW1010B
				12' 0"	6' 10"		6' 6"		433	1AW1012B
				14' 0"	7' 10"		7' 6"		504	1AW1014B
2 ton steel	11' 6"	10' 6"	4' 0"	7' 0"	4' 4"	8	4' 0"	6	443	2AW1007B
				9' 0"	5' 4"		5' 0"		479	2AW1009B
				10' 0"	5' 10"		5' 6"		538	2AW1010B
				12' 0"	6' 10"		6' 6"		588	2AW1012B
		10' 5"		14' 0"	7' 10"		7' 6"		748	2AW1014B
3 ton steel	11' 6"	10' 6"	4' 0"	7' 0"	4' 4"	10	4' 0"	8	543	3AW1007B
		10' 5"		9' 0"	5' 4"		5' 0"		658	3AW1009B
				10' 0"	5' 10"		5' 6"		694	3AW1010B
				12' 0"	6' 10"		6' 6"		803	3AW1012B
				14' 0"	7' 10"		7' 6"		881	3AW1014B

E Series Steel — Fixed Height*

A Capacity	B Span Overall	B1 Span b/w Wheel Centers	C Clear Span	D Clear Height	E I-Beam Depth	F Tread	Caster Diameter	With I-Beam		Without I-Beam
								Wt.	Model	Wt.
tons	ft			ft	in	in	in			
1	12	11' 3"	10' 11"	10	6	64	6	354	F2000	204
2	12	11' 3"	10' 11"	10	8	64	6	580	F4000	360
3	12	11' 3"	10' 10"	10	10	64	8	719	F6000	414
5	12	11' 1"	10' 7"	10	12	64	8	925	F10000	543

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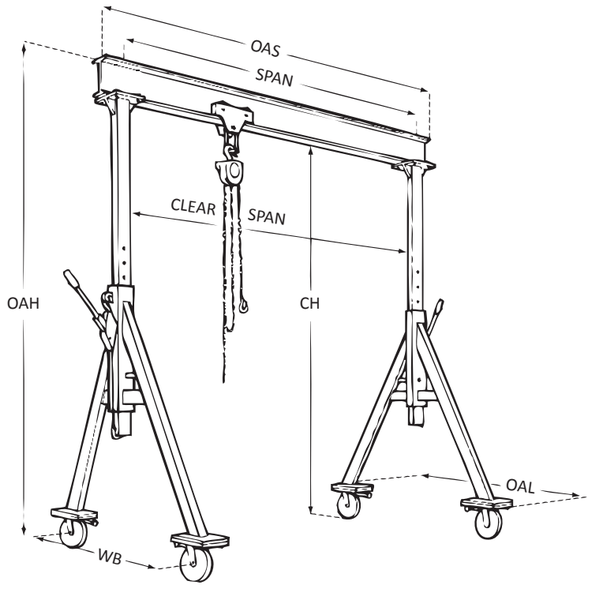
SPANCO A and **PF Series** Gantries are available to meet the requirements of almost any of your gantry crane applications.

A Series models are cataloged to 10 ton, 16’ height and 40’ overall span. They come in fixed or adjustable height to provide all of the flexibility you require. Adjustable models can be outfitted with two LUG-ALL cable pullers for quick adjustment. They are constructed of high strength mechanical tubing with welded and bolted construction. Gantries roll easily on durable polyurethane wheels that will not mark floors. Wheel brakes, swivel locks, and other wheel and caster styles are optional. Aluminum models are available in 1 or 2 ton capacity for the ultimate in portability and corrosion resistance.

PF Series gantries are available to 15 ton, 35’ height and 40’ clear span. They are built for lifting heavy equipment and parts. Frames are fabricated from heavy gauge steel tubing. Ample bracing assures high rigidity, making these gantries suitable trackless or track-mounted motor-driven applications.

Special application gantries can be custom designed and manufactured by Ace Industries to meet almost every need.

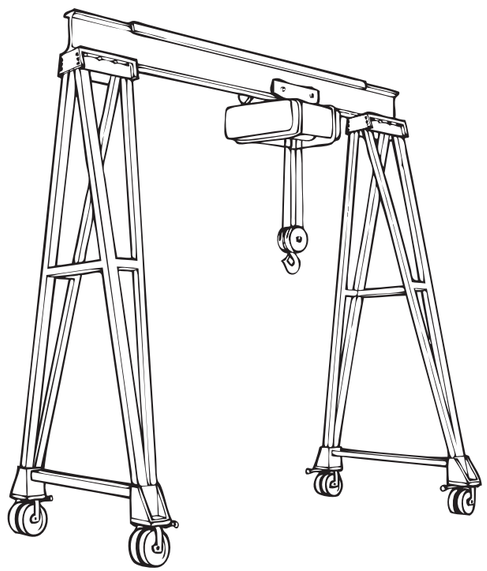
A Series Gantries



Gantry Crane Specifications

Item	Specifications
Capacity	
Clear Span (CS)	
Overall Span (OAS)	
Clear Under Beam (CH)	
Overall Height (OAH)	
Wheel Base (WB)	
Overall Length (OAL)	
Gantry Type	
Gantry Weight	
Girder Size	
By:	**Date:**

PF Series Gantries



The flexibility and ergonomic safety benefits of Light Rail crane systems have made them one of the fastest growing markets in the material handling industry. A system consists of a runway structure made up of light weight, pre-formed track, normally made into a C shape. The opening of the C is faced downward and the trolleys are made to run on the inside of the “C” with the wheels contacting the flanges of the rail on either side of the opening. The leading manufacturers, CM, Gorbel and Spanco advertise the advantages of their particular products based upon such things as ease of movement, stability, ease of erection, capacity, and cost.

Ace has been a leader in this field with hundreds of successful installations in place.We will help you select the correct equipment to suit your needs, and then supply whatever degree of installation help you might require.

Normal maximums are 2 ton capacity and 34 foot bridge span. Runway lengths are unlimited but bridge spans normally stop at 34 feet. These systems most often provide hoist service for machine tools and assembly work stations. They can be easily erected over machinery that is already in place, and later, they can be moved or repositioned if the need arises. An electric chain hoist suspended from a push trolley with a push bridge is the general rule. The beauty of this rail system is the ease of positioning by hand. The force required is much less than that required for a standard structural beam system and is usually well within ergonomic guidelines for repetitive sustainable work conditions. Most systems are free standing, but ceiling supported is also available.

Mixed capacity bridges can be provided for the same runway as long as loading is verified by engineering for the specific application involved.

Stick by the “minimum rule”. Keep capacities to a minimum, keep bridge lengths to a minimum, and keep maximum hook heights to a minimum. Besides extra cost considerations, the reason for this is to keep dead weight down, thereby enhancing positioning by hand. Maximum hook height should normally be kept at less than 14 feet for load positioning and control.

A 6” concrete floor is normally all that is required. One of our most popular systems requires no bracing of support columns to building steel and even meets California Seismic specifications. Ceiling mounted systems require a building with adequate overhead structure to suspend the crane.

These systems can be fully motorized but this is rarely necessary except in higher capacities, or when the worker cannot position the load due to the presence of an obstruction or hazard such as encountered over a machine, pit, or other inaccessible area.

Systems come complete with everything to complete most applications. Included are runway structure, runway rails, bridge, trolley, festoon electrification for the bridge and runway, hardware and anchor bolts. Standard color depends on the manufacturer. Bridges are normally yellow and runways blue or yellow.

Call Ace today for assistance in determining the correct light rail system complete with hoist and electrification.We will be glad to provide your choice of components only, or an installed, turn-key system. We recommend installation by our own experienced crews to insure you of the best quality, lowest cost, finished job.

Free Standing Light Rail — Work Station Cranes

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Light Rail Cranes are:

- Best quality by CM, Gorbel, and Spanco
- Adaptable to fit existing work areas
- Self Supporting
- Modular for later expansion
- Relocatable
- Easily installed by our crews or yours

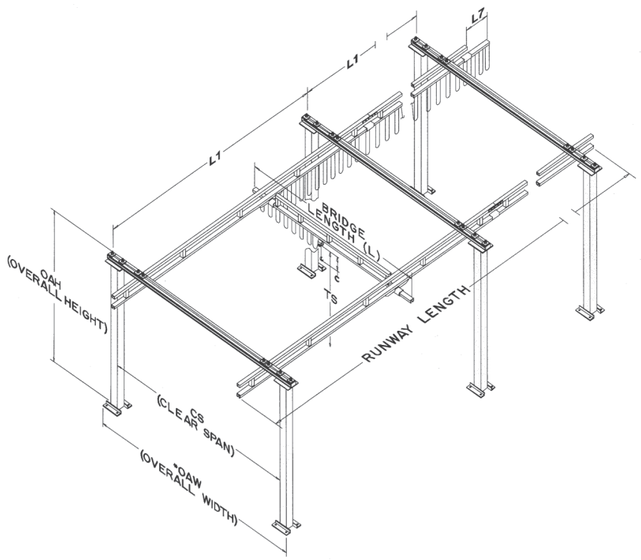
They increase:

- Worker safety and morale
- Productivity
- Usage of floor space

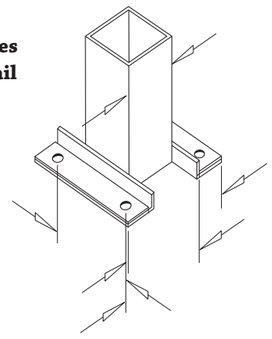
They are economically justified:

- High resale value
- Require no building modifications
- Prevent worker injuries
- Meet proposed ergonomic standards

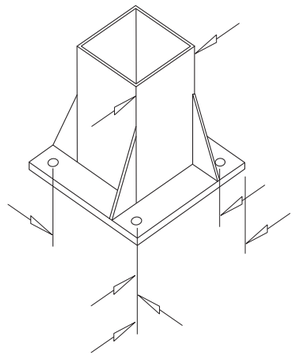
Steel Track Bridge on Steel Runways
Capacities to 2 tons, spans to 34 feet and heights to 17 feet.



250# - 2000# Series Column Base Detail



4000# Series Column Base Detail



Free Standing Light Rail System
Capacity (lbs)
Bridge Length in ft. (L)
Overall Height (OAH)
Overall Width (OAW)
Clear Span (CS)
Runway Length in ft.
Maximum Runway Column Centers in ft. (max L1)
Sway Bracing Kits Required
Festoon Stack Length in ft. (L7)

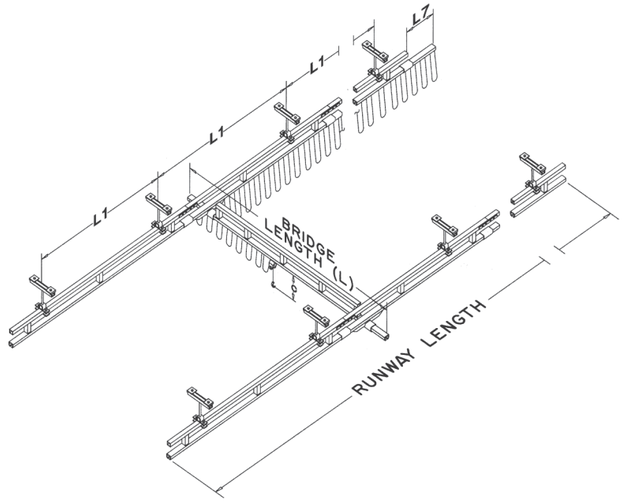
Ceiling Mount & Monorail Light Rail —

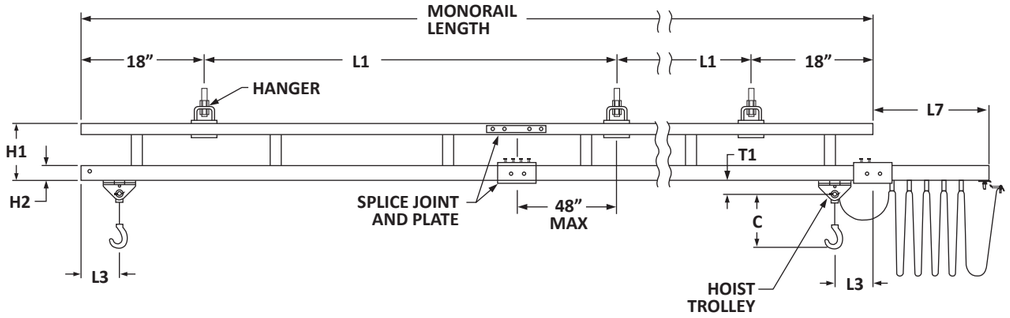
Work Station Cranes

Light Rail Cranes are also adaptable to ceiling mount and monorail applications:

All benefits of free standing systems except they rely on the building for support.

Due to their light weight they are often easily adapted to existing structures without substantial modifications A qualified engineer must be consulted before installation of one of these systems.





Ceiling Mount Light Rail System
Capacity (lbs)
Bridge Length in ft. (L)
Maximum Runway Column Centers in ft. (max L1)
Hangers Required
Hanger Type
Support Beam Flange Width
Hanger Rod Drop in inch
Sway Bracing Kits Required

Monorail Light Rail System
Capacity (lbs)
Monorail Length in ft.
Maximum Monorail Support Centers in ft. (max L1)
Hangers Required
Hanger Type
Support Beam Flange Width
Hanger Rod Drop in inch
Sway Bracing Kits Required

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Electrification — Festoon Systems
ELECTRIFICATION

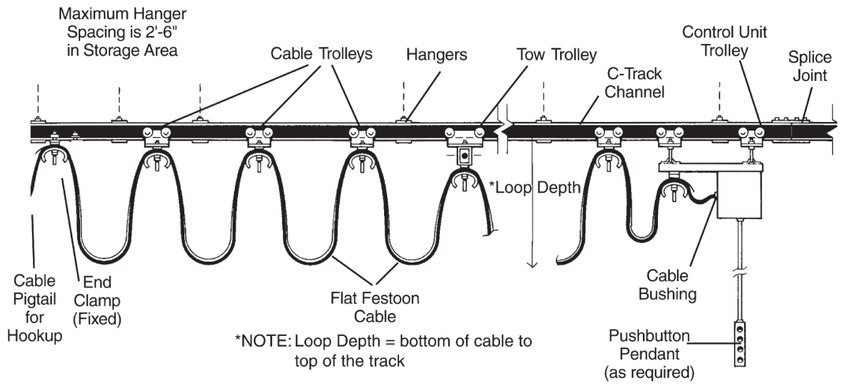
Flat Cable C Track Systems

C track festoon systems are used for (1) powering runways and monorail crane systems, (2) cross conductors supplying power and control on bridge cranes, and (3) separate festooned pushbutton arrangement on bridge cranes and other applications where an independent pushbutton is desirable.

Most C track festoon systems use flat conductor cable for flexibility and compactness but they can be supplied with round cable when required. A representative C track system with standard components and flat cable is illustrated below. Please note that on festoon push button arrangements the Control Unit Trolley replaces the Tow Trolley. On other applications, there is no control unit trolley.

Standard duty C track is the norm and more than adequate for most applications however, it also comes in heavy duty. Standard duty is rated for trolley loads of less than 40 pounds and speeds of less than 250 fpm. These figures are far above those found in most applications.

Square bar and I beam festoon systems are readily available but are used infrequently. The various components for all of these other systems are similar in function to those of the C track system illustrated.



C Track Festoon System Specifier (fill out all known information, then send or call for quotation)	
Festoon Type (check box)	☐ Monorail ☐ Bridge cross conductor ☐ Pushbutton
System Location (check box)	☐ Indoors ☐ Outdoors ☐ Both
Special Environmental Conditions (describe)	
Ambient Temperature Range	
Crane Duty Cycle	
C Track Type (check box)	☐ Standard ☐ Heavy Duty
System Length (ft)	
Loop Depth (in.)	
System Speed (fpm)	
Voltage / Phase / Hertz	
Cable Length Required End Clamp End (ft)	
Cable Length required lead trolley or carrier end (ft)	
Amp Rating Required for Power Cable	
Number of Power Conductors Required	
Number of Control Conductors Required	
Number of Connectors Required	
Part Number of Connector Required	
Number of Hanger Brackets Required	
Description of Hanger Bracket Required	

Flat Cable C Track Systems

Cross Conductor Components Required*

Description	Quantity 3' Loop Depth (System Length in ft)
C Track	[System length divided by 10 (round up to the whole number)]
Hanger	[System length divided by 5 (round up to the whole number)] plus 1
Hanger Bracket	[System length divided by 5 (round up to the whole number)] plus 1
Anchor Hanger	1 per system
Splice Joint	[System length divided by 10 (round up to whole number)] minus 1
End Clamp	1 per system
Cable Trolley	[System length times 1.1 divided by 6 round up to whole number)] minus 1
Tow Trolley	1 per system
End Stop	1 per system
Cable Connector	2 per system
Flat Cable (ft.)	[(Cable Trolley Quantity plus 1) times 6] plus lengths needed at each end*

* 1) Lengths vary widely. Cable is inexpensive leave plenty suggest 18'
2) Cable sizes and quantities are dependent on your application and are governed by the requirements of the National Electric Code (NEC). Please refer to the NEC to size your electrical cables or call Ace and we will be glad to help.

Pushbutton Components Required*

Description	Quantity 3' Loop Depth (System Length in ft)
C Track	[System length divided by 10 (round up to the whole number)]
Hanger	[System length divided by 5 (round up to the whole number)] plus 1
Hanger Bracket	[System length divided by 5 (round up to the whole number)] plus 1
Anchor Hanger	1 per system
Splice Joint	[System length divided by 10 (round up to whole number)] minus 1
End Clamp	1 per system
Cable Trolley	[System length times 1.5 divided by 6 round up to whole number)] minus 1
Control Unit Trolley without Box	1 per system
PB Control Box	1 per system
End Stop	1 per system
Cable Connector	2 per system
Flat Cable (ft.)	[(Cable Trolley Quantity plus 1) times 6] plus lengths needed at each end*

** 1) Lengths vary widely. Cable is inexpensive leave plenty suggest 10'
** 2) Cable sizes and quantities are dependent on your application and are governed by the requirements of the National Electric Code (NEC). Please refer to the NEC to size your electrical cables or call Ace and we will be glad to help.
** 3) For festooned pushbutton application, it is important to allow 50% more cable than will actually be needed to stretch across the system length (not the 1.1 multiplier in the cross conductor). If only 10% additional is used (normally recommended for power festooning), the push button will spring back toward the center of the bridge if released by the operator. This can be an irritating and even dangerous occurrence.

Part Number for Ace Stock Standard Duty C Track Festoon Systems*

Description	Duty Rating	10' C Track	20' C Track	Hanger	Anchor Hanger	Splice Joint	End Clamp	Cable Trolley	Tow Trolley	Control Unit Trolley w/o Box	PB Control Box	End Stop
Electromotive	Standard	F-CT10	F-CT20	F-CTH	n/a	F-CTJ	F-CTE	F-CC3	F-CCT	F-CCB	F-JB1	F-CTS
Insul-8	Standard	22209	21909	28510	28511	21954	28616	28615	28614	22203	F-JB1	22381

*CAUTION: Component requirements are estimates only. Do not rely on this information for accuracy in your application. Call Ace for your exact application requirements.

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Flat Cable C Track Systems

Flat Cable Specifications and Part Numbers

Description	22607	23324	22994	22542	26698	21814	26550	23958
Conductor Size	16	16	12	10	8	6	4	2
Conductor Number	8	12	4	4	4	4	4	4
Amp Rating	15	15	30	40	50	70	90	120
Approx. Weight (lbs./ft)	.22	.32	.17	.25	.41	.65	.92	1.33
Approx. Width	1.12	1.62	.72	.88	1.18	1.45	1.7	1.96
Approx. Thickness	.21	.21	.24	.28	.34	.44	.49	.57

- Minimum cable length for a cross conductor festoon system is determined as follows: add the system length plus 10%, to the lengths required for connections at each end.
- Minimum cable length for a pushbutton festoon system is determined as follows: add the system length plus 50%, to the lengths required for connections at each end.

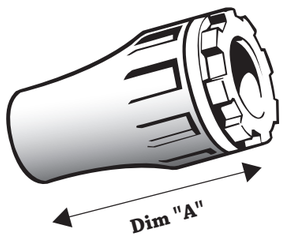
Connectors — Metal Cord Grip Type for Flat Cable

Flat Festoon Cable			Corresponding Cable Grips
Cables Stacked	Cable Thickness (AWG)	Number of Conductors	Catalog #
No	2	4	F-4CG4
	4	4	F-12CG2
	6	4	F-4CG1
	8	4	F-8CG2
	10	4	F-4CG2
	12	4	F-4CG3
	14	4	F-4CG3
	12	8	F-4CG11
	14	8	F-8CG1
	16	8	F-8CG1
	14	12	F-12CG1
	16	12	F-12CG1
Yes	2 Cables (#14 or #16)	8	F-8CG2
	2 Cables	12	F-12CG2
	3 Cables	12	F-12CG3
	2 Cables (#10 or smaller for the 4 conductor cable)	One 4 conductor + one 8 conductor	F-4/8CG2

Connectors — Heat Shrink Type for Flat Cable

Part #	Cable Opening	Knockout Diameter	Overall Length Dimension A	Weight
	in	in	in	lbs
03147	1.60	2.0	4.5	.4
03146	1.10	1.37	3.5	.1
03145	.75	1.0	2.6	.06

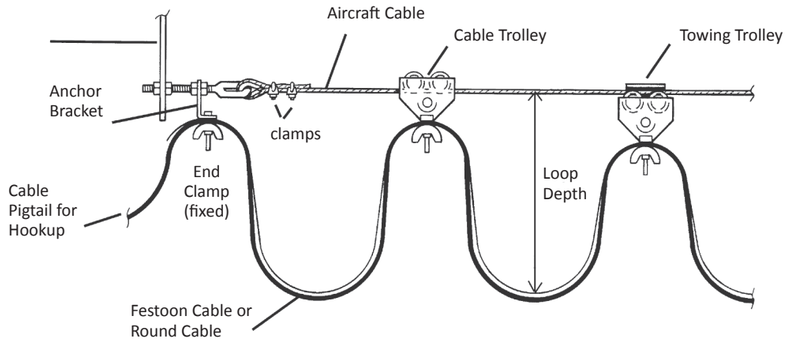
- The 03146 cable connector will accomodate 1 each 22607 cable (16 gauge 8 conductor) and 2 each 22994 (12 gauge 4 conductor).
- The 03147 cable connector will handle 1 each 23324 cable (16 gauge 12 conductor) and 2 each 22607 (16 gauge 8 conductor) and 2 each 22994 cables (12 gauge 4 conductor).



Stretched Wire Systems

This is a light duty festoon system for economical installation where heavy service is not required. Economical and dependable, this wire rope-supported festoon system is designed to provide electrification to small cranes, moving hoists and other moving machinery where relatively light load conditions are present.

Stretched Wire Systems can also be used to festoon supply hoses to pneumatic tools and continuous welding machines or flame cutters where oxygen or acetylene gases are used. Stretched Wire Systems can accommodate either flat or round festooning cables. Stretched wire systems are efficient, reliable and easily installed at low cost. (Maximum system span of 100 ft.)



Wheels	Nylon
Bodies	Polypropylene (Small Body) Nylon (Large Body)
Cable Clips	Polypropylene
Load	10 lbs. (Single Wheel) 20 lbs. (Double Wheel)
Speed	200 feet per minute
Catenary Wire	Steel, polypropylene jacket 1/4” diameter.
Sag Factor	Allow 1” to 2” sag at center for expansion and contraction on 50 ft.
Maximum Recommended System Span	50 feet

Stretched Wire System Selection

Stretched Wire Length Max.	Flat Cable 3/4" Width (Max)	Flat Cable 1-3/4" Width (Max)	Round Cable 3/16 - 3/8" O.D. (Max)	Round Cable 3/8 - 9/16" O.D. (Max)	Round Cable 9/16 - 3/4" O.D. (Max)
	Kit Part #	Kit Part #	Kit Part #	Kit Part #	Kit Part #
ft					
20	24862	24867	24887	24892	24897
40	24863	24868	24888	24893	24898
60	24864	24869	24889	24894	24899
80	24865	24870	24890	24895	24900
100	24866	24871	24891	24896	24901

Note: Kits are based on 3' loop depth.
Flat round cables and cable connectors to be ordered separately.
Kits include: catenary wire, trolleys, cable clips, anchor bracket, hardware and tow bar.