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TVH®

GENUINE TOTAL SOURCE® PARTS

Service Parts Catalogue

Edition 2

https://truckmanualshub.com/

TVH is a global player, a ONE-STOP SHOP offering ***material handling and industrial equipment parts and accessories*** with a guaranteed fast delivery of the right product at the most competitive price. Irrespective of the brand, type and year of construction of the machine, TVH always has the solution. With 500 000 part numbers in stock and a database of over 20 000 000 known references, TVH offers excellent service to customers in over 170 countries.

Since 1969, the ***TVH Group*** has become a household name in the world of forklift trucks. What started small has grown into a worldwide organisation, unequalled in its field. And this is thanks to our unwavering ***commitment to quality and service***.

The presence of TVH in this region shows the commitment of the Group in providing high-quality service from its depot in Singapore to customers in ***South East Asia countries***.

The strategic location of Singapore also allows prompt & timely delivery of our quality products to the customers in this region.

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References and brands

500 000
stock items

20 000 000
known references

- Abeko
- Aichi
- Allis Chalmers-Kalmar AC
- Armanni
- Artison
- Asea
- Atlet
- Audureau
- Ausa
- Baka
- Balkancar
- Baoli
- Battioni e Pagani
- Baumann
- Belet
- Bobcat
- Bolzoni
- Bonser
- Boss
- Brunilift
- BT
- Bulli Kahl
- BV Vestergaard
- Cangaru
- Carer
- Carreffe
- Caterpillar
- Cesab
- Charlatte
- Clark
- Comac
- Conveyancer
- Coventry Climax
- Crown
- CTC
- CVS Ferrari
- Dalian
- Dambach
- Dantruck
- Datsun
- Deca
- Desta
- Dhollandia
- Dieci
- Dino Lift
- Dulevo
- Ecolift
- Eurolifter
- EP
- Faba
- Fantuzzi
- Fenwick
- Genie
- Genkinger
- Grove
- Hako
- Halla
- Hangcha (HC)
- Harlan
- Haulotte
- Heden - Dantruck
- Heli
- Henley
- Hyster
- Hyundai
- Icem
- Incab
- Indos
- Italmacchine
- JCB
- JLG
- Jumbo
- Jungheinrich
- Kalmar
- Kärcher
- Kentruck-Robur
- Kinglifter Terberg
- Komatsu
- Kooi Aap
- Lafis
- Lancer Boss
- Lansing
- LGM
- Lifter
- Linde
- Loc
- Logitrans
- Lugli
- Magliner
- Manitou
- MBB
- Merlo
- Miag
- MIC
- Minuteman
- Mitsubishi
- Moffett
- Montini
- Mora
- Nichiyu-Nyk
- Niftylift
- Nilfisk-Advance
- Nissan
- Noblelift
- Nuova Detas
- O & K
- OM
- OMG
- Patria
- Peg - Fenwick
- Pimespo
- Powerboss
- Pramac
- Prat
- Ranger
- RCM
- Rocla
- Salev
- Samag
- Sambron
- Samsung
- Sanderson
- Saxby
- Sichelschmidt
- Sisu
- Skyjack
- SMV Konecranes
- Snorkel
- Steinbock
- Still
- Stocka
- Stocklin
- Svetruck
- Tailift
- TCM
- Tecnocar
- Tennant
- Terex
- TotalLifter
- Toyota
- Unitrac
- Upright
- Valmet
- Wagner
- Whiptruck
- Yale
- Yang - Yam - Puma

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Visit our webshop where and when you want!

Explore the inquiry and order system of MyTotalSource. Forwarding price inquiries and orders is fast, easy and only one click away!

www.mytotalsource.tvh.com

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CATALOGUES/PRODUCT SPECIALS

Our catalogues all treat one or several related products. They also contain technical sheets. Check the list below to find out what catalogues you don't have yet or which of your catalogues are no longer up-to-date.

Consult our catalogues online on:

www.tvh.com/catalogue

Consult our product specials online on:

www.tvh.com/productspecials

Product specials

To highlight some specific product ranges, we make smaller brochures: the Product Specials.

- **REF 17857457** Beta quality tools & workwear
- **REF 14286693** Brake fluids, mineral & transmission oils
- **REF 14372877** Document & accessories holders
- **REF 18253535** Drum handling
- **REF 14616237** Forks & accessories
- **REF 18805081** Hardware special
- **REF 20382688** In the spotlight
- **REF 18178749** Jacks & supports
- **REF 20843889** Light special
- **REF 20382686** Maintenance special
- **REF 20778928** Mirror special
- **REF 17868205** Press special
- **REF 17783573** Pressol, lubrication & garage equipment
- **REF 18666614** Safety & ergonomics
- **REF 14836726** Seats & accessories
- **REF 20963014** Skips, scoops & crane jibs
- **REF 20143873** Summer products
- **REF 19550195** Twistlocks
- **REF 15372984** Tyres & accessories
- **REF 18329658** Weighing special
- **REF 18545076** Window special
- **REF 18663385** Winter products

Catalogues

ORDER YOUR FREE COPY*

- **REF 16865558** Accessories & handling equipment catalogue
- **REF 20560977** Consumables & accessories

- **REF 15262190** Batteries, chargers & accessories
- **REF 20177702** Brushes
- **REF 9103419** Bulbs
- **REF 15282597** Chains & accessories
- **REF 10185471** Contactors & contacts
- **REF 20177485** Engine parts
- **REF 10727802** Exhaust systems
- **REF 20177906** Fuses & fuse holders
- **REF 10550844** Hand pallet truck parts
- **REF 14702080** Hydraulic system parts
- **REF 19949421** Key switches
- **REF 12594102** Labels & decals
- **REF 12410757** LPG system parts
- **REF 7872482** Mast rollers
- **REF 7882672** Paint & accessories
- **REF 7835233** Potentiometers & encoders
- **REF 7083552** Relays
- **REF 14089352** Rubber tracks
- **REF 13991397** Seats & accessories
- **REF 6252659** Starters & alternators
- **REF 20064130** Tyres, rims, rubber tracks & accessories
- **REF 7072186** Wheel brake & master cylinders
- **REF 6781097** Wheels, rollers & castors

- **REF 20777844** Energic Plus**
- **REF 14691770** Fluke
- **REF 12726578** Replacement parts suitable for Genie
- **REF 15069637** Replacement parts suitable for Haulotte
- **REF 12613028** Replacement parts suitable for JLG
- **REF 20769251** Replacement parts for scrubbers & sweepers

- **REF 19550200** Industrial equipment parts & accessories
- **REF 20350222** Parts Magazine

- **Filters** Consult your sales advisor

* One free copy per customer. Additional copies for sale. Five euro will be charged as of the first copy of our 4 largest catalogues, Brushes, Exhaust systems, Hydraulics and Starters & alternators. That means a discount of 50% for you.
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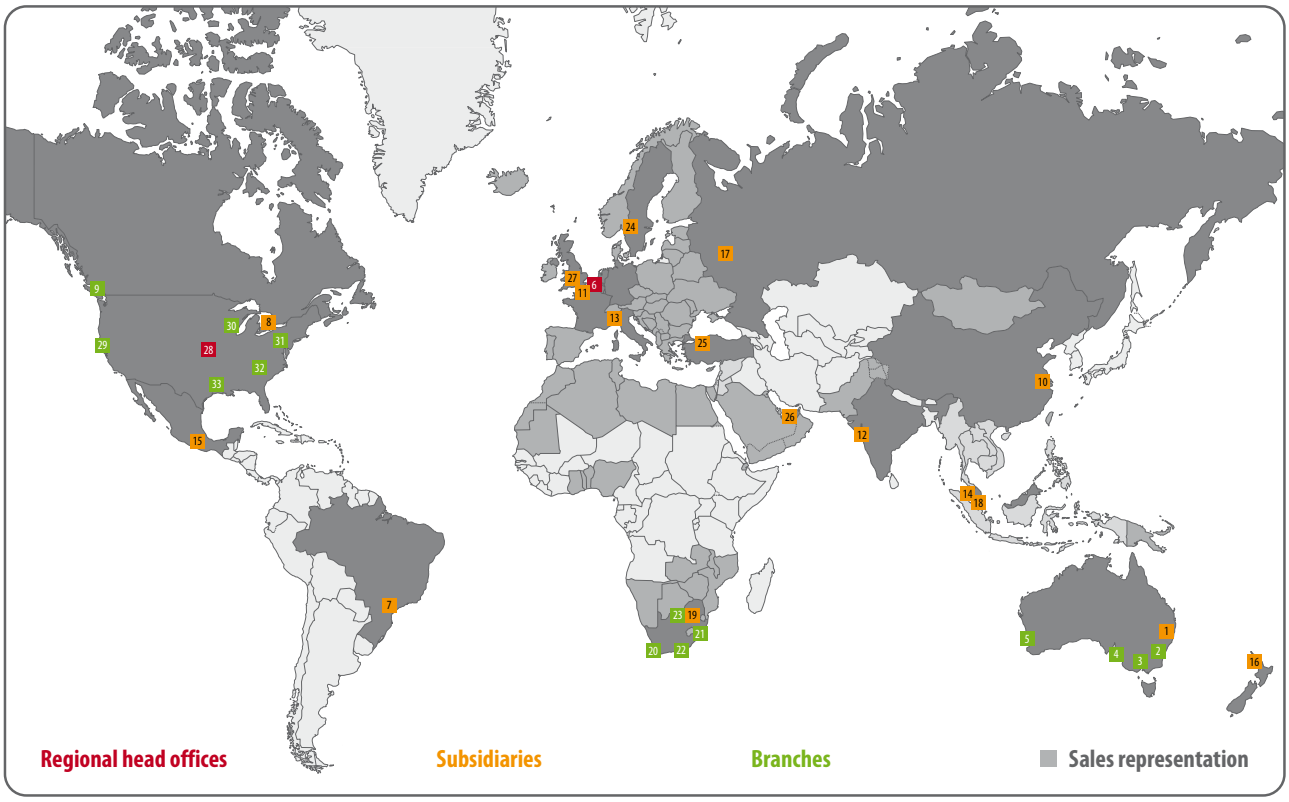
TVH WORLDWIDE



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28 SUPERIOR SIGNALS, INC (Kansas)
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WUBUMP

MADE IN BELGIUM

Protect your machine, warehouse and driver

REF 139TA5896

CE

Advantages:
- Improves ergonomics for the truck operator: prevents neck (whiplash) and back injuries
- Prevents damage to the infrastructure, load and forklift truck
- Absorbs the energy in case of a collision with the site infrastructure
- Cost-effective (reduced risk of accidents and damage)
- Fits on any lift truck (up to 5 ton)
- Easy to mount: your safety secured in only 10 minutes!

Technical specifications:
- Strength: > 15 MPa
- Elasticity: 400%
- Temperature range: -40 °C to 120 °C or -40 °F to 248 °F
- Auto-ignition temperature: > 300 °C or > 572 °F
- Weight: 10 kg (22 lbs)
- Good resistance to water, steam, sunlight (UV), ozone, bases, acids, salts, oils

Universal shock absorber - Unique in the world

Scan this code to see the wuBump movie

wuBump

www.wubump.com • sales.wubump@tvh.com

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INDUSTRIAL CHAIN GREASE

REF 105TA4644
- High-quality spray to lubricate chain-driven transmissions that are subject to heavy load
- To be processed like oil, with the properties of grease
- Resistant to weather influence, to weak acids and bases
- Water-repellent
- 400 ml

TOTAL SOURCE®

BRAKE CLEANER

REF 134TA3719
- High-quality brake cleaner with high dissolving properties
- Leaves no residue and is non-conductive and non-corrosive
- This cleaner has a powerful jetspray for:
  - Drum & disc brakes
  - Brake linings
  - Brake callipers
  - Brake shoes
- 500 ml

TOTAL SOURCE®

CONTACT CLEANER

REF 107TA1815
- High-quality spray to clean electrical contacts of switches, batteries, contact points, printed circuit board switches and multiple sockets
- 400 ml

TOTAL SOURCE®

BATTERY PROTECTION SPRAY

REF 107TA7662
- With acid indicator
- Eliminates and prevents corrosion
- Turns pink in the presence of acid
- 400 ml

Curious about more products for battery maintenance? Contact your sales advisor.

TOTAL SOURCE®

ELECTRONIC COMPONENT CLEANER

REF 141TA6721
- Liquid cleanser without surfactants for overall cleaning and degreasing of electronic controllers & electrical components, printed circuit boards, transformers & generators, electric motors
- Constituents: alcohol, iso-aliphatic hydrocarbons

TOTAL SOURCE®

Advantages:
- Cleans all electronic components efficiently and quickly
- Prevents moisture problems. Excellent water, dust and oil repellency
- Doesn't cause corrosion or leakage currents. Product evaporates and leaves no residue

Use:
- Apply the electronic component cleaner by spraying or by immersion (ultrasonic method), clean the part using a brush if necessary

GASKET REMOVER

REF 138TA4534
- Prepares flanges for gaskets removal of chemical gaskets by softening the gasket material on the flanges, eliminating excessive scraping
- 400 ml

LOCTITE®

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Accessories

TOTALSOURCE PREMIUM QUALITY HAND SOAP

REF 139TA2787
- Liquid degreasing hand cleaner
- Skin-friendly: free of solvents and other substances harmful to the skin
- With fine micro-particles of vegetable origin with softening properties
- 3 l

REF 139TA2789 – Refill pack 3 l
REF 139TA3259 – Wall bracket with elbow lever

FUNNEL – FAST EXTENDER

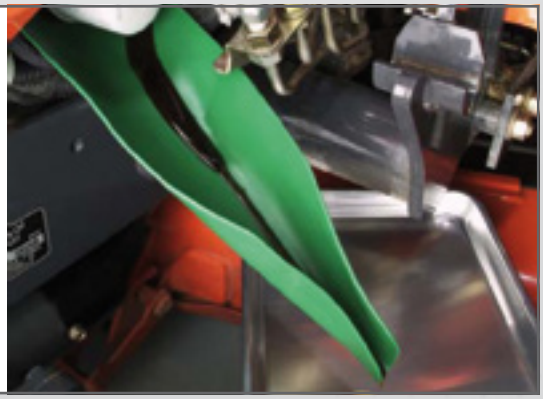
- Made of coated, heavy grade paper stock that can be used with virtually any liquid or powder
- Various sizes to fit a wide variety of openings and applications
- Folded flat for easy storage in a drawer, glovebox, toolbox or even in a pocket
- Designed to be compact for storage and remain clean until opened, eliminating the chances of contamination
- Eliminates the costs that are incurred due to clean-up, including rags and chemicals

1 **REF 131TA2352**
- Pro - 3 pieces
- Length: 282 mm

2 **REF 131TA2351**
- Standard - 3 pieces
- Length: 192 mm

FLEXIBLE DRAINING TOOL

REF 139TA6262
- For draining and pouring of liquids in applications where rigid funnels are cumbersome
- Bends, molds and holds any shape
- Leakproof
- As versatile in dry as in wet applications
- Store flat or roll up to take along in your toolbox or glove compartment
- 100% aluminium permanently sealed inside of a heavy coating of flexible nitrile rubber
- Dimensions: 370 x 165 mm
- Bend sides to create a small parts tray, scoop and much more
- Works in temperatures from -34 °C to 218 °C



HYDROMETER

REF 138TA3950
- Hydrometer in complete plastic housing
- With a hydrometer you can measure the weight of the acid in the battery

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ANDERSON CONNECTORS

APP
Anderson Power Products®

Type	Wire size			Yellow	Orange	Red	Grey	Blue	Green	Black	Brown	Purple
	AWG	Exact mm²	European mm²	12 V	18 V	24 V	36 V	48 V	72 V	80 V	96 V	120 V
SB50	#6	13,3	16	136TA3094	136TA3105	106TA9801	105TA4671	136TA3141	136TA3155	106TA9804		
	#10/12	5,3/3,3	6/4	136TA3095	136TA3106	105TA4670	106TA9802	136TA3142	136TA3156	106TA9803		
SB120	#2	33,6	35			136TA3116	136TA3129	136TA3143				
	#4	21,1	25			136TA3117	136TA3130	136TA3144				
	#6	13,3	16			136TA3118	136TA3131	136TA3145				
SB175	1/0	53,5	50	105TA4672	105TA4673	106TA9805	105TA4674	106TA9806				
	#2	33,6	35	136TA3096	136TA3107	136TA3119	136TA3132	136TA3146				
	#4	21,1	25	136TA3097	136TA3108	136TA3120	136TA3133	136TA3147				
SB350	2/0	67,4	70	105TA4675	106TA9807	106TA9808	106TA9809	106TA9810	106TA9811			
	3/0	85,0		136TA3098	136TA3109	136TA3121	136TA3134	136TA3148	136TA3157			
	4/0	107,2		136TA3099	136TA3110	136TA3122	136TA3135	136TA3149	136TA3158			
SBE80	#6	13,3	16			136TA3123						
SBE160	1/0	53,5	50	106TA9817	106TA9818	106TA9819	106TA9820	106TA9821	106TA9822	106TA9823		
	#2	33,6	35	105TA4676	106TA9812	106TA9813	106TA9814	105TA4677	106TA9815	106TA9816		
SBE320	2/0	67,4	70	106TA9831	106TA9832	106TA9833	107TA8404	106TA9834	106TA9835	106TA9836	106TA9837	106TA9838
			50	136TA3100	136TA3111	136TA3124	136TA3136	136TA3150	136TA3159	136TA3163	136TA3166	136TA3167
SBX175	1/0	53,5	50	136TA3101	136TA3112	136TA3125	136TA3137	136TA3151	136TA3168			
			35	136TA3102	136TA3113	136TA3126	136TA3138	136TA3152	136TA3169			
SBX350	2/0	67,4	70	106TA9824	106TA9825	106TA9826	106TA9827	106TA9828	106TA9829	106TA9830		
	3/0	85,0		136TA3103	136TA3114	136TA3127	136TA3139	136TA3153	136TA3161	136TA3164		
	4/0	107,2		136TA3104	136TA3115	136TA3128	136TA3140	136TA3154	136TA3162	136TA3165		

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Battery connectors

REMA BATTERY CONNECTORS

REMA®

Female battery connector

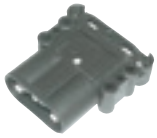
80 A connector

160 A connector

320 A connector

Male battery connector

80 A connector


160 A connector

320 A connector

Description	Use	Cable size	REF
80 A male	charger/motor	16 mm²	**116TA5134**
80 A male	charger/motor	25 mm²	**106TA9914**
80 A female	battery	16 mm²	**131TA4678**
80 A female	battery	25 mm²	**106TA9916**
80 A	handle		**107TA7665**
160 A male	charger/motor	25 mm²	**106TA9923**
160 A male	charger/motor	35 mm²	**106TA9924**
160 A male	charger/motor	50 mm²	**106TA9925**
160 A female	battery	25 mm²	**106TA9926**
160 A female	battery	35 mm²	**106TA9927**
160 A female	battery	50 mm²	**116TA4697**
160 A	handle		**139TA2003**
320 A male	charger/motor	50 mm²	**105TA4682**
320 A male	charger/motor	70 mm²	**106TA9938**
320 A male	charger/motor	95 mm²	**139TA2013**
320 A female	battery	50 mm²	**106TA9940**
320 A female	battery	70 mm²	**105TA4683**
320 A female	battery	95 mm²	**139TA2027**
320 A	handle		**139TA2049**

FEMALE BATTERY CONNECTOR JAPANESE BRANDS

REF 106TA1047
5-pole; 30 A; 250 V

MALE BATTERY CONNECTOR JAPANESE BRANDS

REF 112TA4833
5-pole; 30 A; 250 V

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MODEL: RX

1 year warranty
on all charger parts!

Best buy!

Single-phase

Three-phase

Ask for our free detailed CD-rom manual:
REF 107TA8608

Box S	Box A
250 x 200 x 320 mm	430 x 285 x 270 mm
Box B	**Box C**
500 x 340 x 360 mm	500 x 360 x 700 mm

EXTENDED RANGE

General information

- Fully automatic, microprocessor-controlled battery charger
- Compact and simple construction
- LED control panel:
  - Battery connected - in charge
  - Final charge
  - Charge complete - equalization
  - Emergency stop
  - Black-out of the mains
  - Ammeter 0-100 %
- Automatic equalization of the battery
- Automatic start on battery connection, with 3 delays to avoid arcing between the connectors. Automatic shutdown on battery disconnection during the charge
- Automatic saving of the charge parameters in case of black-out of the mains and automatic restart when the input is available
- Input voltages single-phase 220 VAC or three-phase 380 VAC
- Other input voltages available on request
- Charge curve Wa (DIN41774)
- 1 year warranty (on spare parts)

ENERGIC Plus®

https://truckmanualshub.com/

Traction battery chargers

MODEL: RX

Volt	Amp	Capacity range vs time of charge	Box	Weight	Input power	REF
RX/Single-phase/220 VAC						
24 V	20 A	100-120 Ah	S	13 kg	0,70 kVA	**122TA8161**
24 V	25 A	125-150 Ah	S	14 kg	0,85 kVA	**122TA8162**
24 V	30 A	150-180 Ah	S	17 kg	1,00 kVA	**122TA8163**
24 V	40 A	200-240 Ah	A	19 kg	1,30 kVA	**122TA8164**
24 V	50 A	250-300 Ah	A	22 kg	1,70 kVA	**122TA8165**
24 V	60 A	300-360 Ah	A	24 kg	2,00 kVA	**122TA8166**
24 V	80 A	360-500 Ah	B	40 kg	2,80 kVA	**139TA2548**
48 V	60 A	300-360 Ah	B	43 kg	4,20 kVA	**122TA8167**
48 V	80 A	360-500 Ah	B	48 kg	5,60 kVA	**122TA8168**
48 V	100 A	500-599 Ah	B	47 kg	7,00 kVA	**138TA4138**
48 V	120 A	600-749 Ah	B	51 kg	8,40 kVA	**138TA4139**
RX/Three-phase/380 VAC						
24 V	60 A	300-360 Ah	B	37 kg	2,10 kVA	**122TA8169**
24 V	80 A	360-500 Ah	B	41 kg	2,80 kVA	**122TA8170**
24 V	100 A	500-600 Ah	B	44 kg	3,50 kVA	**122TA8171**
24 V	120 A	600-749 Ah	B	50 kg	4,20 kVA	**138TA4140**
24 V	140 A	750-899 Ah	C	52 kg	4,90 kVA	**138TA4141**
24 V	160 A	900-1024 Ah	C	56 kg	5,60 kVA	**138TA4142**
24 V	180 A	1025-1149 Ah	C	58 kg	6,30 kVA	**138TA4143**
24 V	200 A	1185-1299 Ah	C	65 kg	7,00 kVA	**138TA4144**
36 V	60 A	300-360 Ah	B	41 kg	3,10 kVA	**122TA8172**
36 V	80 A	360-500 Ah	B	45 kg	4,20 kVA	**122TA8173**
36 V	100 A	500-600 Ah	B	48 kg	5,20 kVA	**122TA8174**
36 V	120 A	600-749 Ah	B	50 kg	6,20 kVA	**138TA4145**
36 V	140 A	750-899 Ah	C	55 kg	7,30 kVA	**138TA4146**
36 V	160 A	900-1024 Ah	C	62 kg	8,30 kVA	**138TA4147**
36 V	180 A	1025-1149 Ah	C	68 kg	9,40 kVA	**138TA4148**
36 V	200 A	1185-1299 Ah	C	80 kg	10,40 kVA	**138TA4149**
40 V	50 A	250-300 Ah	B	40 kg	4,40 kVA	**122TA8175**
40 V	60 A	300-360 Ah	B	42 kg	5,30 kVA	**122TA8176**
40 V	80 A	360-500 Ah	B	48 kg	7,00 kVA	**122TA8177**
48 V	50 A	250-300 Ah	B	39 kg	2,80 kVA	**122TA8178**
48 V	60 A	300-360 Ah	B	43 kg	4,20 kVA	**122TA8179**
48 V	80 A	360-500 Ah	B	49 kg	5,60 kVA	**122TA8180**
48 V	100 A	500-600 Ah	B	53 kg	7,00 kVA	**122TA8181**
48 V	120 A	600-749 Ah	B	62 kg	8,40 kVA	**138TA4150**
48 V	140 A	750-899 Ah	C	70 kg	9,80 kVA	**138TA4151**
48 V	160 A	900-1024 Ah	C	79 kg	11,20 kVA	**138TA4152**
48 V	180 A	1025-1149 Ah	C	86 kg	12,60 kVA	**138TA4153**
48 V	200 A	1185-1299 Ah	C	94 kg	14,00 kVA	**138TA4154**
72 V	60 A	300-360 Ah	B	53 kg	6,30 kVA	**122TA8182**
72 V	80 A	360-500 Ah	B	55 kg	8,30 kVA	**122TA8183**
72 V	100 A	500-599 Ah	C	71 kg	10,50 kVA	**138TA4155**
72 V	120 A	600-749 Ah	C	83 kg	12,50 kVA	**138TA4156**
80 V	60 A	300-360 Ah	B	55 kg	6,90 kVA	**122TA8184**
80 V	80 A	396-499 Ah	B	65 kg	9,20 kVA	**138TA4157**
80 V	100 A	500-599 Ah	C	80 kg	11,50 kVA	**138TA4158**
80 V	120 A	600-749 Ah	C	87 kg	13,80 kVA	**138TA4159**

All spare parts available

We buy only tropicalized chargers.
Please ask our product specialist to make sure the part number here crosses with the tropicalized version.

https://truckmanualshub.com/

MODEL SMC

Built-in charger

For lead-acid & gel-cell batteries!

The SMC is a battery charger designed to be mounted on board in battery powered vehicles (scissor lifts, golfcarts, etc). It has been designed for maximum reliability in wet and dusty environments. The SMC has three selectable charging curves (IU, IUa, IUIa), suitable to charge both lead-acid and gel-cell batteries. The output current is independent from the variations of the AC input. The exclusive power control system of the SMC ensures a high power factor, high efficiency and very low EMI*, while the simple construction allows very easy service/maintenance operations.

* EMI: electromagnetic interface

Specify the requested charging standard supplied with lead-acid charging curve

General information

- Single-phase
- High power factor
- High efficiency
- Low EMI: the SMC doesn't generate electrical noise and input current distortion
- Microprocessor-controlled battery charger
- LED control panel
- Auto-equalization system
- Maintenance system
- Charging curves: IU, IUa & IUIa
- 10-12 h charge system
- Double feed of printcard (AC/DC)
- CE/UL approved

ENERGIC Plus®

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Traction battery chargers

MODEL SMC

Volt	Amp	Capacity range	Dimensions L x W x H	Weight	REF
12 V	30 A	166 - 198 Ah	300 x 180 x 190 mm	12 kg	**123TA7203**
12 V	40 A	199 - 263 Ah	300 x 180 x 190 mm	13 kg	**123TA7204**
24 V	20 A	100 - 132 Ah	300 x 180 x 190 mm	13 kg	**123TA7205**
24 V	25 A	133 - 165 Ah	300 x 180 x 190 mm	14 kg	**123TA7206**
24 V	30 A	166 - 198 Ah	300 x 180 x 190 mm	17 kg	**123TA7207**
24 V	40 A	199 - 263 Ah	300 x 180 x 190 mm	19 kg	**123TA7208**
24 V	15 A	96 - 110 Ah	300 x 215 x 190 mm	22 kg	**128TA4678**
36 V	25 A	133 - 165 Ah	300 x 180 x 190 mm	22 kg	**123TA7209**
36 V	30 A	166 - 198 Ah	300 x 180 x 190 mm	22 kg	**123TA7210**
36 V	40 A	199 - 263 Ah	300 x 180 x 190 mm	24 kg	**123TA7211**
48 V	20 A	111 - 132 Ah	300 x 180 x 190 mm	22 kg	**123TA7212**
48 V	30 A	166 - 198 Ah	330 x 200 x 260 mm	28 kg	**123TA7213**
48 V	40 A	199 - 263 Ah	330 x 200 x 260 mm	33 kg	**123TA7214**
All spare parts available					

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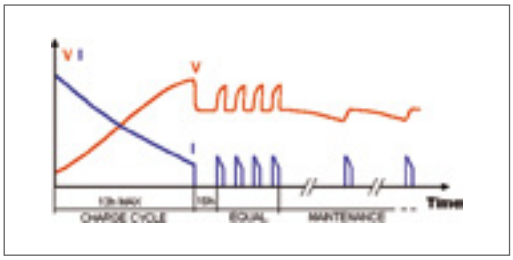
AR DIGITAL/THREE-PHASE

ENERGIC Plus®

THREE-PHASE

Ask for our FREE detailed manuals:
REF 107TA8608 – AR BOX A



Box A

500 x 360 x 700 mm

General information AR DIGITAL

- Three-phase 230/400 VAC - 50/60 Hz input
- Single-phase 230 V available on request
- Fully automatic
- CE/UL-approved
- 10-12 h charge system: Wa (DIN41774)
- Microprocessor-controlled electronic card
- Derivative dV/dT charge control
- Digital display: V/cell, current, capacity charged, time of charge, error messages

Digital technology stands for

- Increase in lifespan of battery
- Built-in maintenance system
- More compact than the older type of chargers, easier to store and transport

Advantages of a round shape

- Less chance of damage during transport – if the side becomes dented, the damage is reduced thanks to the spherical shape

Spares for ARD

Control board:
For ARD Wa: **REF 138TA4136**
For ARD WoWa: **REF 138TA4137**

Other spares available on request:
- Please provide full charger details: type - voltage - amps - serial number

REF 138TA4135
Wall support bracket

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Battery regeneration & maintenance

BDX

Battery discharger/analyzer

The **BDX** is an automatic battery **discharger/analyzer**, designed to test the efficiency of industrial batteries of any type, voltage and capacity. This equipment can be programmed to discharge the battery with a precisely controlled constant current, adjustable from zero to the maximum rated value, while keeping the battery voltage under control.

While the discharge is in progress, the control board measures the total capacity (Ampere-Hours) discharged from the battery.

When the battery voltage reaches the minimum programmed value, or when the maximum programmed test time is reached, the BDX shuts down automatically, while the measured parameters remain available to the user. **The BDX is very simple to use and doesn't require particular training**. The programmation of the test requires less than 2 minutes and the operation is completely automatic.

General information BDX

- High-frequency IGBT regulator, featuring constant current discharge of the battery.
- Rugged construction.
- Compact and portable design.
- Wide power range available - Battery voltages up to 600 VDC & discharge currents up to 600 A.
- Intelligent electronic protection system (includes soft start, battery polarity reversal and overtemperature).
- Programmable digital board, controlled by microprocessor.
- Can operate with batteries of any type.
- Digital display (battery voltage and current, time, capacity discharged, programmed values).
- CE-certificated.
- USB-connection.

Protection

Battery polarity reversal
If the battery is connected with reverse polarity, the BDX remains in standby mode and no current flows.

Overtemperature
A thermal sensor protects all the electronic components of the BDX.

Sparks on connection
When the battery is connected to the BDX, no sparks and/or flames will be generated at the connectors.

Auto-test at startup
Every time the BDX is powered, an automatic self-test of the power electronics and the control boards is performed in less than 10 seconds. In case of fault, the unit remains in standby mode.

AC input

Standard voltage
- Voltage range: 85-135 or 180-250 VAC
- Single-phase
- Max power: 250 W
- 50/60 Hz

Discharge capability

Standard versions

REF 124TA2652
Battery voltage: 12-48 V, maximum discharge current: 180 A

REF 124TA2653
Battery voltage: 12-96 V, maximum discharge current: 200 A

REF 141TA6722
Battery voltage: 12-80 V, maximum discharge current: 150 A

Mechanical

- External dimensions: 325 x 630 x 570 mm
- Enclosure: 2 mm steel
  Four-wheel kit for easy moving
- Cooling: forced ventilation

When using the BMS in combination with BDX you will have a detailed report of each cell and will be able to detect bad cells.

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NEW in SPC 2

BATTERY REGENERATOR REPLUS

ENERGIC Plus®

Application voltage	Technical specifications	REF
1,2 VDC-100 VDC	Up to 300 Ah	**139TA1918**
1,2 VDC-100 VDC	Up to 500 Ah	**139TA1917**
1,2 VDC-150 VDC	Up to 1000 Ah	**138TA6595**
1,2 VDC-75 VDC	Up to 3000 Ah	**139TA5237**

Advantages

- Detailed test report of the entire process
- Lifespan of the batteries expands significantly
- Discharged energy DC/AC is converted, this energy can be placed back onto the power grid and be reused
- Minimum maintenance cost
- Quick regeneration
- Durability: almost permanent use by simplifying the circuits and using the best components
- Easiest application: automation program applied
- Wireless connection between regenerator and computer (live on pc)
- Free analyzing software
- 2 year warranty
- Certified CE

Applications

- Starter batteries
- Traction – semi-traction batteries
- Stationary batteries
- Ni-Cad batteries

Problem

When a battery's energy charge is drained and needs to be charged during normal working cycles, sulphate crystals gradually build up on the electrodes, preventing the battery from effectively delivering current. The crystals in effect suffocate the battery. This lead sulphate increases internal resistance and decreases the specific gravity of the electrolyte.

The process of sulphation build-up is unavoidable. Worse yet, after 3-4 years the process accelerates substantially (thus the rapid fall at this age in your battery's productivity).

Process

Lead sulphate is removed by the electrical high-frequency pulsation process of the battery regenerator:

- The gravity of the electrolyte is increased.
- The internal resistance is reduced.
- Increased capacity of the battery (Ah).
- Fully automatic charge/discharge

We advice to always use the Battery Regenerator REPLUS together with the BMS system. (See page 9 for more info about the BMS.)

How it works

In total the process takes maximum 42 hours. In this 42 hours you discharge the battery 2 times and regenerate it 3 times. In both discharge and regeneration mode you apply a special high-frequency pulse which is the secret key ingredient to desulphate your batteries.

You can either program the regenerator from a distance with your computer (by means of wireless communication) or you can set it on the machine itself.

When the process is finished, you download the data wireless to your computer or by means of an SD-card and then you can print out a complete and detailed battery test report. On this report you will clearly see what the effect has been of the process, how many Ah you have won and how many extra hours you can use your battery now.

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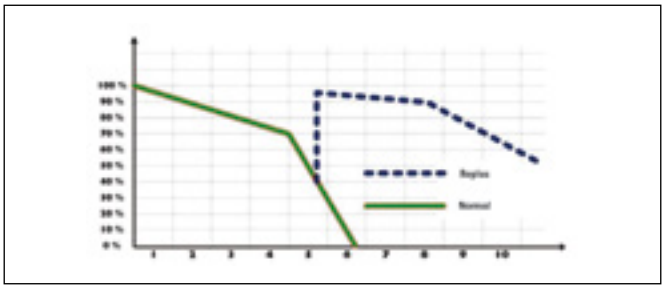
Battery regeneration & maintenance

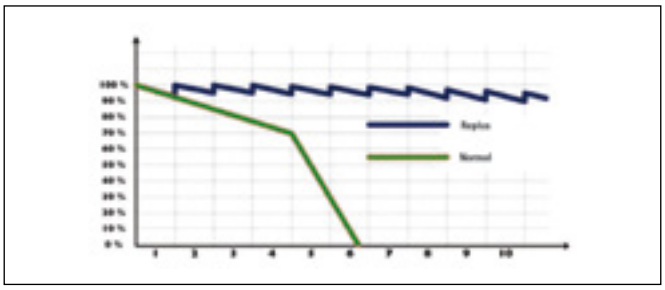
BATTERY REGENERATOR REPLUS

The Battery Regenerator REPLUS can be used in 2 ways

- First method is the standard regeneration method where you will bring back the battery capacity after a usage of 3-4 years.
- Second method is the annual reconditioning of the battery. In this case the sulphate doesn't stand a chance of entering the battery.



Reconditioning regeneration:
Reconditioning regeneration allows you to restore old (5, 6, 7 years), medium to well-maintained batteries that have 'silted up' as a result of natural sulphation, to a 90-100% productivity.



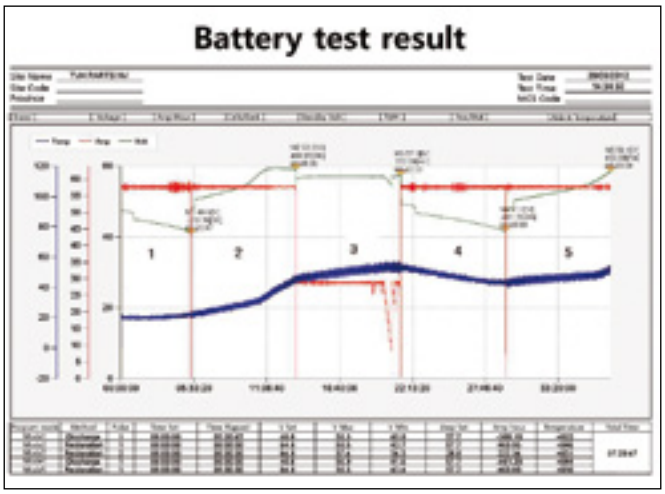
Maintenance:
Maintenance regeneration allows you to keep your battery in optimal, sulphate-free condition, by means of a yearly short regeneration.

Very easy to handle

This process is fully automatic and doesn't need any special attention. After 72 hours for really badly sulphated batteries and 42 hours for batteries in average condition the regenerator will have finished the operation.

When the process is finished you can download the data to your pc (by means of SD or wireless).

With the free analyze software that comes with the Battery Regenerator REPLUS, fully detailed reports which are showing the condition before and afterwards.



Following curve shows a complete restoration:
1. controlled discharge
2. restoration
3. restoration
4. discharge
5. restoration

Application field

Every lead-acid-based battery that is commonly used in cars, forklifts, golf carts, reachtrucks, cleaning machinery, telecom market …
- Starter batteries, traction batteries, semi-traction batteries, high power stationary batteries (UPS)

Result in detail

When you compare discharge 1 & 4 you see that the time needed to discharge the battery is much longer in step 4. This is a direct result of the restoration on mode 2 & 3.

Comparing step 2 with step 5, you see that the set battery voltage is reached much later than in step 2. This means that your battery lasts longer and will be in good condition again.

For further info, please contact us via the following e-mail address: info@energicplus.com

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NEW in SPC 2

BATTERY MONITORING DEVICE

Useful to understand that the batteries are being charged correctly charged batteries and discharging to the optimum level

Voltage	Ah battery	REF
24 V – 96 V	100 ÷ 340	**141TA7878**
24 V – 96 V	350 ÷ 740	**141TA7879**
24 V – 96 V	750 ÷ 1500	**141TA7880**

Monitoring battery data

- Measured instantaneous data: V, I, T and Ah
- Storage and analysis of history data
- Statistic analysis
- Data download on USB to the PC

Sending battery data to a PC

Through the USB all data are sent to the SMARTVIEW Program, which makes it possible to display the data in form of working cycles and diagrams.

Sending battery data to the web

Data stored on a flash USB driver can be uploaded to the SmartService WEB application for:
- automatic analysis and reports
- integrated “SmartIC-like” management fleet

Features

- Data memory 400 working cycles
- For batteries 24/36/48/72/80/96 V (12 V available on request)
- Hall effect sensor
- Discharge time and capacity
- Battery faults and failures occurring during the charging process
- Temperature indication (when sensor is fitted)
- Low electrolyte level (when electrolyte level probe is fitted)
- Possibility of serial connection RS 485 and CAN BUS
- Protection IP54
- Working temperature from -20 °C to 50 °C
- USB flash memory
- USB cable

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Accessories

BATTERY WATER SYSTEM

REF 140TA2214
Deionising unit
Weight: 35 kg
Dimensions: 450 x 330 x 800 mm
Water automatically stops when the filters are exhausted so as to prevent damage to the batteries

REF 140TA2215
Cartridge
Refill for deionising unit

DEIONISER UNIT WITH TANK

Advantages

- Mobile and convenient
- Protection of battery against addition of tap water
- Important reduction of maintenance cost
- Refill with tap water and get top quality DI water
- Suitable for single-point filling

Suitable for batteries, electrical stackers, electrical forklifts, golf carts and various battery-powered machines.

General information

- Tank: 25 l
- Battery: 12 V/12 Ah (fuse: 6 A) maintenance-free power battery
- Flow: 4 l/min
- Pressure switch cut-off at 70 PSI
- 12 meter output pressure hose with brass nut connector
- Weight: 11 kg
- Dimensions: 420 x 290 x 600 mm
- Duty cycle: single block rate of flow adjustment
- Tyre: inflatable tyre, dimension: 8", pressure: 3,0 bar

REF 138TA7533

CONDUCTIBILITY TESTER

REF 116TA5778
Checks the conductibility (microSiemens-value) of your demineralized water

ELECTROLYTE SENSOR

REF 140TA2231

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BATTERY FILLING SYSTEM

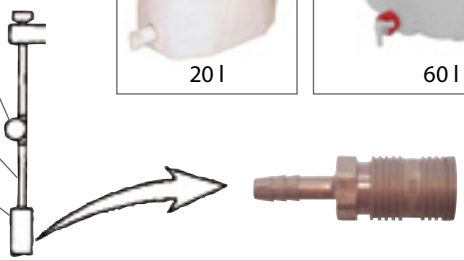
Flow indicator
REF 106TA8956

Water tank
REF 116TA6228 – 60 l
REF 106TA8955 – 20 l

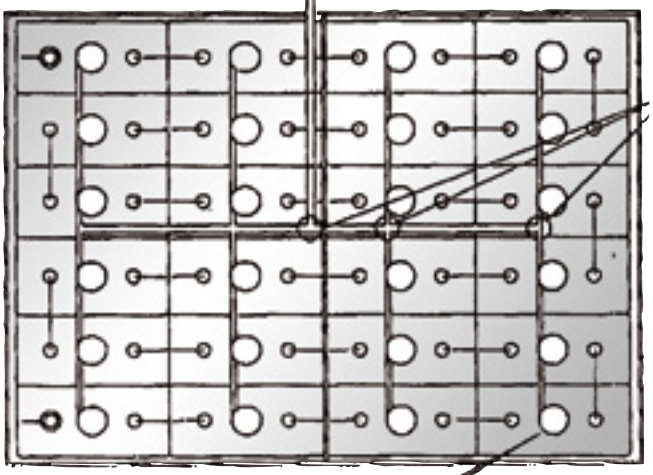
Ø 9,5 mm
REF 106TA8942

Female joint
REF 106TA8953

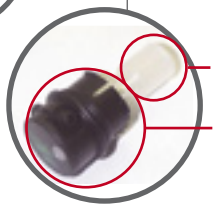
Male joint
REF 106TA8952



Filter H_2O
REF 106TA8951



Closing cup
REF 106TA8940



REF 111TA3478

REF 111TA3477

REF 107TA1688 (meter)
Plastic hose 6 x 9 mm

REF 106TA8942 (meter)
Plastic hose 10 x 14 mm

REF 106TA8943 (meter)
Plastic hose 12 x 16 mm

Optional kit

You can order this optional kit:

REF 106TA8937 – 20 l
(includes water tank, flow indicator, plastic hose (± 3 m) and female joint)

REF 106TA8938 – 60 l
(includes water tank, flow indicator, plastic hose (± 3 m) and female joint)

Standard kit

Pipejoints

REF 106TA8944 – L-connection 10-6
REF 106TA8945 – L-connection 10-10
REF 137TA1834 – L-connection 6-10
REF 137TA1835 – L-connection 6-6

REF 106TA8946 – T-connection 6-10-6
REF 106TA8947 – T-connection 10-6-10
REF 106TA8948 – T-connection 10-10-10
REF 137TA1836 – T-connection 6-6-6

REF 106TA8949 – X-connection 6-10-6-10
REF 106TA8950 – X-connection 10-10-10-10
REF 137TA1837 – X-connection 6-6-6-6

You can order this optional kit:

REF 115TA5406 – 12 V (includes all the necessary parts for a 12 V battery)
REF 106TA8934 – 24 V (includes all the necessary parts for a 24 V battery)
REF 115TA5407 – 36 V (includes all the necessary parts for a 36 V battery)
REF 106TA8935 – 48 V (includes all the necessary parts for a 48 V battery)
REF 115TA5408 – 72 V (includes all the necessary parts for a 72 V battery)
REF 106TA8936 – 80 V (includes all the necessary parts for a 80 V battery)
REF 115TA5409 – 96 V (includes all the necessary parts for a 96 V battery)

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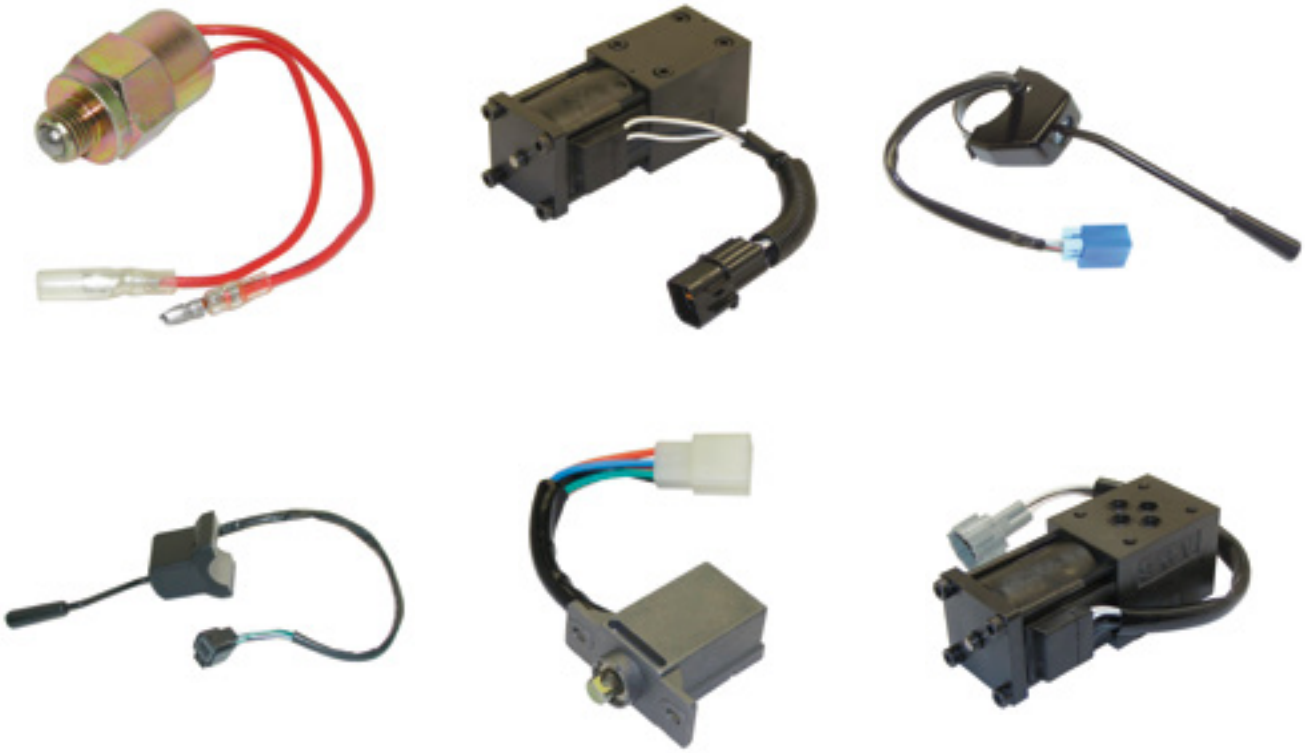
Switches

NEW in SPC 2

SWITCHES



Brand	Type	REF F/R switch	REF F/R solenoid	REF signal switch	REF neutral switch
Toyota	7 Series	**141TA7762**	**110TA9511**	**141TA7768**	-
Komatsu	FD25-11	-	-	**141TA7769**	**141TA7774**
	FD25-12	**141TA7763**	**131TA9586**	**141TA7770**	-
	FD25-14	**141TA7763**	**131TA9586**	**128TA5863**	-
	FD25-16	**141TA7764**	**141TA7767**	**141TA7771**	-
Nissan	H02	-	-	**141TA7772**	-
	J02	-	-	**141TA7772**	**141TA7775**
Mitsubishi	F18A	-	-	**141TA7773**	**141TA7776**
	F18B	**141TA7765**	**131TA6954**	**141TA7773**	**141TA7776**
	F18C	**141TA7766**	**131TA6957**	-	-

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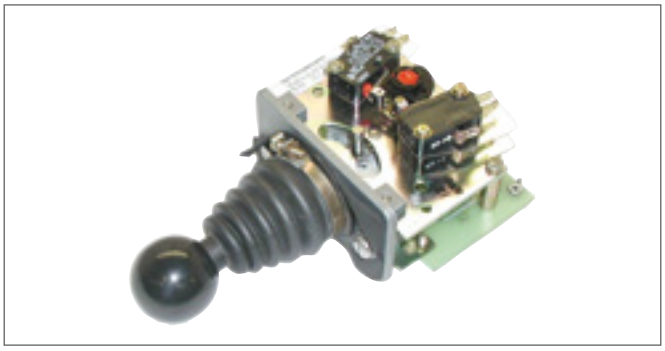
NEW in SPC 2

JOYSTICKS

Used for Terex

Used for JLG

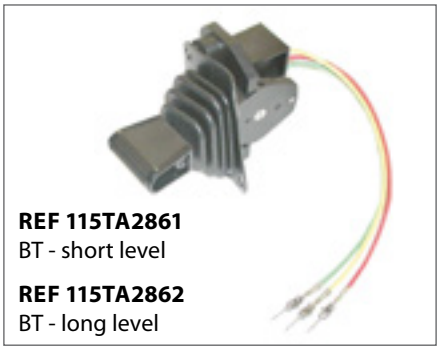
Used for Grove



Used for Kalmar

Used for Jungheinrich

Used for BT



REF 115TA2861
BT - short level

REF 115TA2862
BT - long level

Used for Mitsubishi

REF 115TA2860

Ask for: new, service exchange or reconditioned

**Joysticks available for different applications.
Please specify truck or platform details.**

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Key switches

SUITABLE FOR TOYOTA 5, 6, 7, 8 SERIES

REF 110TA7812

REF 110TA7848

REF 140TA2223

SUITABLE FOR MITSUBISHI F18A, F18B, F18C

REF 110TA7720

REF 110TA7843

REF 140TA2224

SUITABLE FOR KOMATSU -10, -11, -12, -14, -16

REF 108TA4759

REF 110TA7793

REF 108TA4833

REF 128TA5781

SUITABLE FOR NISSAN H01, H02, J01, J02

REF 110TA7767

REF 110TA7886

For more references, please contact your TVH sales advisor

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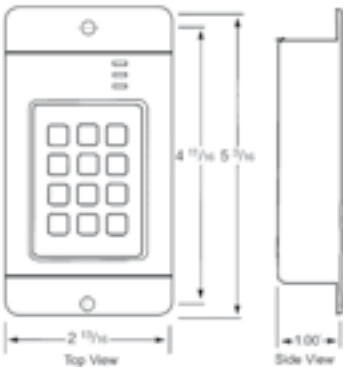
PROGRAMMABLE SECURITY LOCK PSL+

The PSL+™ Programmable Security Lock is an enhanced version of our familiar PSL™ product with several additional features. Like the original, this version is primarily designed for use with both battery and I.C. powered vehicles to prevent unauthorized operation of the vehicle. In addition, however, the PSL+ has expanded the PSL concept by incorporating several useful new functions.

REF 135TA3498

- **12-90 VDC**
- **Waterproof IP65**
- **Up to 99 different users/drivers.**
  Once installed, the PSL+ requires entry of a two-digit user number and valid four-digit access code before the vehicle can be operated. All user codes can be reprogrammed and unused user numbers can be temporarily disabled for additional security.
- **1 programmable supervisor code.**
  Even the supervisor's access code can be changed using the factory programmed reset code, linked to the serial number of your PSL+.
- **Last user identification.**
  The PSL+ can identify to the supervisor the user number of the last user of a vehicle.
- **Automatic shut-off after a preset period of vehicle inactivity.**
  The PSL+ incorporates a feature that detects vehicle activity. If the vehicle has been inactive beyond a specified period of time, the PSL+ will deactivate, securing the vehicle. This feature can be activated or deactivated as desired.
- **Maintenance alert after a preset number of hours.**
  The PSL+ can accumulate vehicle usage time and provide audible and visible signals indicating when vehicle maintenance is due. After maintenance is performed, the cycle can be reset as desired. This feature can be activated or deactivated by the supervisor.
- **Accumulated time.**
  The PSL+ can accumulate total vehicle usage time. This accumulated time can be accessed through the supervisor code.



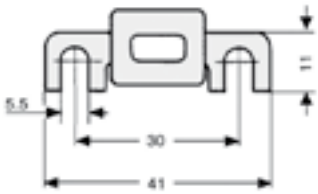
PSL™ plus
Programmable Security Lock

https://trucknanualshub.com/

Ceramic fuses

STANDARD: DIN72581/2/SLOW

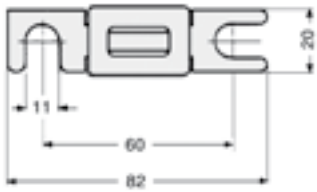
Amp	REF/50 pcs
30 A	127TA2008
40 A	127TA2009
50 A	127TA2010
60 A	127TA2011
70 A	127TA2012
80 A	127TA2013
100 A	127TA2014
120 A	127TA2015
125 A	127TA2016
150 A	127TA2017



1 REF = 1 box of 50 pieces!
Contact your sales advisor for the reference of one fuse.

STANDARD: DIN43560/1/FAST

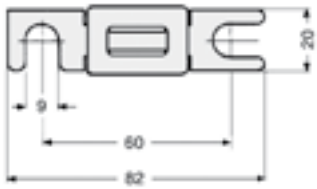
Amp	REF/50 pcs
35 A	127TA2018
40 A	127TA2019
50 A	127TA2020
63 A	127TA2021
80 A	127TA2022
100 A	127TA2023
125 A	127TA2024
130 A	129TA7705
135 A	127TA2025
150 A	127TA2026
160 A	127TA2027
175 A	127TA2028
200 A	127TA2029
225 A	127TA2030
250 A	127TA2031
275 A	127TA2032
300 A	127TA2033
325 A	127TA2034
355 A	127TA2035
400 A	127TA2036
425 A	127TA2037
500 A	127TA2038



1 REF = 1 box of 50 pieces!
Contact your sales advisor for the reference of one fuse.

STANDARD: DIN43560/1/FAST

Amp	REF/50 pcs
35 A	127TA2052
50 A	127TA2053
63 A	127TA2054
80 A	127TA2055
100 A	127TA2056
125 A	127TA2057
150 A	127TA2058
160 A	127TA2059
175 A	127TA2060
200 A	127TA2061
225 A	127TA2062
250 A	127TA2063
325 A	127TA2064
355 A	127TA2065
425 A	127TA2066
500 A	127TA2067



1 REF = 1 box of 50 pieces!
Contact your sales advisor for the reference of one fuse.

Amp = Current (Amps) • SPEED IND. = Speed indication (SLOW, MEDIUM, FAST) • EX. AGENT = Extinguishing agent (sand)

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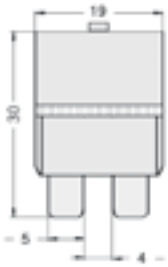
THERMAL FUNCTION ONLY – STANDARD: MED/RESET/FAST

Amp	REF/piece
5 A	**123TA8306**
10 A	**123TA8308**
15 A	**123TA8309**
20 A	**123TA8310**
30 A	**123TA8312**
Reset with push button	



FUSE KIT

REF 123TA8414
Per kit

	Qty	Amp
DIN 72581/med		
	10 x	5 A
	10 x	7,5 A
	50 x	10 A
	50 x	15 A
	25 x	20 A
	10 x	25 A
	25 x	30 A
DIN 41661/fast		
	25 x	2 A
	10 x	5 A

	Qty	Amp
DIN 72581/1		
	10 x	5 A
	50 x	8 A
	50 x	16 A
	10 x	25 A
DIN 41668/fast		
	25 x	10 A
	25 x	15 A
	15 x	20 A

Amp = Current (Amps) • SPEED IND. = Speed indication (SLOW, MEDIUM, FAST) • EX. AGENT = Extinguishing agent (sand)

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Ceramic fuses

FUSE KIT

	Qty	Amp
DIN 43560/1/fast (11 mm)		
	5 x	35 A
	5 x	40 A
	5 x	50 A
	5 x	63 A
	5 x	80 A
	5 x	100 A
	5 x	125 A
	5 x	150 A
	5 x	175 A
	5 x	200 A
	5 x	225 A
	5 x	250 A
	5 x	275 A
	5 x	325 A
	5 x	400 A
DIN 72561/2/slow		
	5 x	50 A
	5 x	80 A
	5 x	100 A
	5 x	150 A
	5 x	250 A

Amp = Current (Amps) • SPEED IND. = Speed indication (SLOW, MEDIUM, FAST) • EX. AGENT = Extinguishing agent (sand)

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SW80

Volt	Remark	REF
Single pole – normal open – 100 A		
12 V	Int	**106TA1516**
12 V	Cont	**106TA1517**
24 V	Int	**107TA1227**
24 V	Int	**111TA3501**
24 V	Cont	**106TA1521**
36 V	Int	**106TA1523**
36 V	Cont	**107TA1229**
REF 103TA1545 – contact kit		

SW88

Volt	Remark	REF
Change over – for motor reversing – 100 A		
12 V	Int	**106TA1590**
24 V	Int	**107TA1266**
24 V	Cont	**106TA1842**
36 V	Int	**106TA1592**
48 V	Int	**106TA1594**
48 V	Cont	**107TA1393**
72 V	Int	**111TA3503**
80 V	Int	**106TA1595**
REF 108TA7783 – contact kit		

DC88

Volt	Remark	REF
Change over – monobloc for motor reversing – 100 A		
12 V	Int	**107TA1346**
24 V	Int	**106TA1799**
REF 110TA3639 – contact kit		

SW180

Volt	Remark	REF
Single pole – normal open – 150 A		
12 V	Int	**107TA1278**
24 V	Int	**106TA1631**
24 V	Cont	**107TA1281**
36 V	Int	**106TA1635**
36 V	Cont	**107TA1282**
48 V	Int	**106TA1637**
48 V	Cont	**106TA1638**
REF 108TA8231 – contact kit		

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Contactors and contact kits

SW182

Volt	Remark	REF
For motor reversing – change over – 150 A		
12 V	Int	**107TA1296**
24 V	Int	**107TA1297**
24 V	Int; aux switch	**106TA1713**
24 V	Cont	**107TA1300**
36 V	Int	**107TA1301**
REF 110TA3573 – contact kit		

DC182

Volt	Remark	REF
Change over – monobloc for motor reversing – 150 A		
12 V	Int	**111TA3520**
24 V	Int	**106TA1812**
24 V	Cont; dust covers	**107TA1359**
REF 110TA3635 – contact kit		

SW200

Volt	Remark	REF
Single pole – normal open – 250 A		
12 V	Cont	**106TA1721**
24 V	Int	**107TA1317**
24 V	Cont	**106TA1723**
24 V	Cont; aux switch	**107TA1331**
36 V	Int	**106TA1724**
36 V	Int; aux switch	**106TA1751**
36/48 V	Cont	**111TA3523**
48 V	Int	**106TA1727**
48 V	Int; aux switch	**106TA1752**
48 V	Cont	**107TA1320**
72 V	Int	**106TA1734**
72 V	Int; aux switch	**106TA1753**
72 V	Cont	**106TA1919**
72/80 V	Int; aux switch	**106TA1754**
72/80 V	Po; aux switch	**107TA1332**
80 V	Int	**107TA1324**
80 V	Cont	**107TA1327**
96 V	Cont; closed cover	**107TA1329**
REF 110TA3633 – contact kit		

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CONTACT

REF 108TA6965
- Type: Meiden MY
- Tip size: Ø 10 mm
- Width: 14,7 mm
- Length: 58,8 mm
- Number of tips: 2

CONTACT

REF 108TA6967
- Type: Meiden MY
- Tip size: Ø 10 mm
- Width: 15 mm
- Length: 37,5 mm
- Number of tips: 1

CONTACT

REF 108TA6975
- Type: Meiden MY
- Tip size: Ø 9,5 mm
- Length: 29,5 mm
- Number of tips: 1

CONTACT

REF 110TA8410
- Type: Meiden MA11M
- Tip size: Ø 10 mm
- Length: 36 mm
- Number of tips: 1

CONTACT

REF 110TA8409
- Type: Meiden MA11M
- Tip size: Ø 10 mm
- Width: 15 mm
- Length: 61,5 mm
- Number of tips: 2

CONTACT

REF 110TA8408
- Type: Meiden MA11M,20M
- Tip size: Ø 10 mm
- Width: 15 mm
- Length: 36 mm
- Number of tips: 1

CONTACT

REF 110TA8413
- Type: Meiden MA20M
- Tip size: Ø 10 mm
- Length: 61,5 mm
- Number of tips: 1

CONTACT

REF 110TA8411
- Type: Meiden MA22M
- Width: 15 mm
- Length: 36 mm
- Number of tips: 1

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Contacts

CONTACT

REF 110TA8412
- Type: Meiden MA22M
- Tip size: 10 x 15 mm
- Width: 15 mm
- Length: 61,5 mm
- Number of tips: 1

CONTACT

REF 110TA8506
- Type: Meiden ME251
- Tip size: 10 x 15 mm
- Width: 14,4 mm
- Length: 61,8 mm
- Number of tips: 1

CONTACT

REF 110TA8508
- Type: Meiden ME251
- Tip size: 10 x 15 mm
- Width: 16 mm
- Length: 53 mm
- Number of tips: 1

CONTACT

REF 110TA8436
- Type: Meiden MZ14
- Tip size: 10 x 15 mm
- Width: 15,4 mm
- Length: 51 mm
- Number of tips: 1

CONTACT

REF 110TA8469
- Type: Meiden MZ14A
- Tip size: 10 x 14,5 mm
- Width: 15 mm
- Length: 71,8 mm
- Number of tips: 2

CONTACT

REF 108TA6020
- Type: Kyoritsu Keiki PN18A
- Tip size: Ø 12 mm
- Width: 25 mm
- Length: 80 mm
- Number of tips: 1

CONTACT

REF 108TA6067
- Type: Kyoritsu Keiki PN18A
- Tip size: Ø 12 mm
- Width: 25,3 mm
- Length: 64,6 mm
- Number of tips: 2

CONTACT

REF 108TA7150
- Type: Kyoritsu Keiki PN18A
- Tip size: Ø 12 mm
- Width: 25 mm
- Length: 80 mm
- Number of tips: 1

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CONTACT

REF 108TA6880
- Type: NYK MS34
- Tip size: Ø 9,5 mm
- Width: 14 mm
- Length: 112 mm
- Number of tips: 2

CONTACT

REF 106TA2377
- Type: NYK MS34
- Tip size: Ø 9,5 mm
- Width: 15 mm
- Length: 33 mm
- Number of tips: 1

CONTACT

REF 106TA2376
- Type: NYK MS34
- Tip size: Ø 9,5 mm
- Width: 15 mm
- Length: 59 mm
- Number of tips: 1

CONTACT

REF 106TA2375
- Type: NYK MS34
- Tip size: Ø 9,5 mm
- Width: 15 mm
- Length: 59 mm
- Number of tips: 2

CONTACT

REF 108TA6789
- Type: NYK MS44
- Tip size: Ø 11 mm
- Width: 15 mm
- Length: 40 mm
- Number of tips: 1

CONTACT

REF 108TA5815
- Type: NYK MS44
- Tip size: Ø 11 mm
- Width: 15 mm
- Length: 54,3 mm
- Number of tips: 1

CONTACT

REF 108TA6813
- Type: NYK MS44
- Tip size: Ø 11 mm
- Width: 15 mm
- Length: 127 mm
- Number of tips: 2

CONTACT

REF 108TA6806
- Type: NYK MS44
- Tip size: Ø 11 mm
- Width: 15 mm
- Length: 75 mm
- Number of tips: 1

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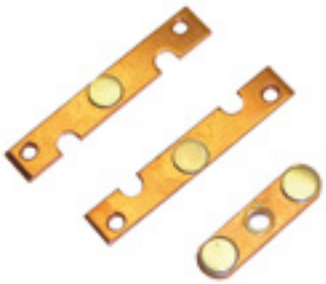
Contacts

CONTACT

REF 108TA6797
- Type: NYK MS44
- Tip size: Ø 11 mm
- Width: 15 mm
- Length: 75 mm
- Number of tips: 2

CONTACT KIT



REF 111TA3728
- Type: HITACHI SPNO
- Tip size: Ø 16 mm
- Number of tips: 4

CONTACT KIT

REF 111TA3716
- Type: MEIDEN-MA11
- Largest tip size: Ø 10 mm
- Number of tips: 4

CONTACT KIT

REF 123TA1944
- Type: MEIDEN-ME250
- Largest tip size: Ø 10 mm
- Number of tips: 4

CONTACT KIT

REF 116TA6991
- Type: MEIDEN-MY
- Largest tip size: Ø 10 mm
- Number of tips: 4

Order your free copy of the Contactors & contacts catalogue: REF 10185471

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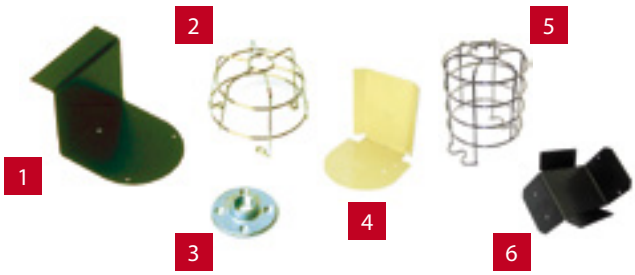
XENON STROBE LIGHT

REF 105TA4867
- 12-110 VDC
- Colour: amber
- Flash tube included
- Nominal power: ± 3 W

REF 106TA9216
Replacement flash tube

ACCESSORIES



1. **REF 106TA9109**
   Mounting bracket
2. **REF 106TA9110**
   Protection guard
3. **REF 107TA9512**
   3/4" pipe base kit
4. **REF 106TA9112**
   Mounting bracket yellow
5 **REF 106TA9171**
   Protection guard
6. **REF 131TA8884**
   Mounting bracket

LED STROBE LIGHT

REF 139TA5948
- 12-80 VDC
- Colour: amber
- With 3 pcs LED (± 3 W)

REPLACEMENT LENS

REF 106TA9113
Amber lens
REF 106TA9116
Green lens
REF 106TA9115
Clear lens

REF 106TA9117
Red lens
REF 106TA9114
Blue lens

ECONOMY STROBE LIGHT

REF 103TA3015
- 12-80 VDC
- Colour: amber
- Nominal power: 2 Joule
- Flash tube included

REF 127TA1040
Replacement flash tube

LED STROBE LIGHT

REF 123TA1991
- 12-80 V
- Colour: amber
- Microprocessor-controlled
- Current draw: 0,1 A
- Epoxy-filled base

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Head lamps

HEAD LAMP USED FOR TOYOTA

REF 134TA2536 – 48 V
REF 131TA8905 – Replacement lens

HEAD LAMP USED FOR KOMATSU

REF 106TA1378 – 12 V
REF 107TA1173 – Replacement lens

HEAD LAMP

REF 139TA5954
- 12 V

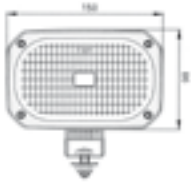
UNIVERSAL ROUND HEAD LAMP

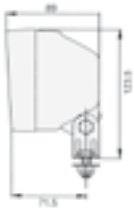
REF 106TA1372
- 12 V
- With bulb

UNIVERSAL RECTANGULAR HEAD LAMP

REF 105TA4884
- 12 V
- Supplied without bulb

REF 123TA8007 – Bulb H3 12 V, 55 W
REF 123TA8008 – Bulb H3 24 V, 70 W
REF 123TA8009 – Bulb H3 36 V, 45 W
REF 123TA8010 – Bulb H3 48 V, 45 W
REF 103TA4675 – Bulb H3 80 V, 55 W





HEAD LAMP USED FOR TOYOTA 7 SERIES OLD MODEL

REF 134TA2548
- 12 V
- With 3-pin and 2-pin connector
- Left-hand side

REF 134TA2547
- 12 V
- With 3-pin and 2-pin connector
- Right-hand side

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HEAD LAMP USED FOR TOYOTA 7 SERIES NEW MODEL

REF 140TA2242
- 12 V
- Left-hand side

REF 140TA2219
- 12 V
- Right-hand side

HEAD LAMP USED FOR TOYOTA 8-SERIES

REF 134TA2550
- 12 V
- Left-hand side

REF 134TA2551 – Amber replacement lens
REF 134TA2552 – Clear replacement lens

REF 134TA2549
- 12 V
- Right-hand side

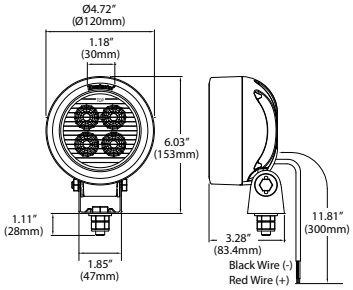
REF 134TA2551 – Amber replacement lens
REF 134TA2552 – Clear replacement lens

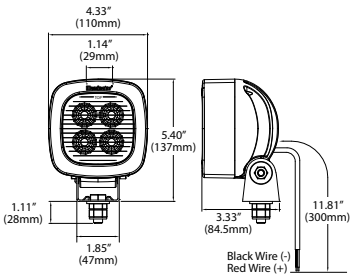
LED WORKLIGHT

REF 131TA8900
Round LED light 12-48 V
REF 141TA7048
Round LED light 12-80 V

REF 131TA8901
Square LED light 12-48 V
REF 141TA7047
Square LED light 12-80 V

- Polymer front housing and die coating aluminium rear housing
- Clear PC (polycarbonate) lens
- IP56
- Versatile M12 single-bolt mounting system
- LED: 4 pieces of 3 W high-powered LED
- Light output: 450 lumen
- Current draw: 0,9 A at 12 V/0,3 A at 48 V
- Watt: 8,5 W
- Operating temperature: -20 °C to 60 °C





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LED work lights

LED WORK LIGHT

REF 140TA8786
- 9-32 V
- Aluminium housing
- Lens: plastic
- IP67 rated
- LED: 6 pieces
- Light output: 1080 lumen
- Diameter: 105,5 mm

LED WORK LIGHT

REF 141TA1474
- 9-32 V
- Aluminium housing
- Lens: plastic
- IP67 rated
- LED: 5 pieces
- Light output: 1150 lumen
- Dimensions (L x W x H): 109,2 x 125 x 42,7 mm

LED WORK LIGHT

REF 141TA7052 – Flood beam
REF 141TA7053 – Spot beam

- 9-32 V
- 27 W
- LED: 9 pieces
- Light output: 1950 lumen
- Aluminium housing
- Lens: plastic
- 4-point bracket included
- Diameter: 116 mm

LED WORK LIGHT

REF 141TA7079 – Flood beam
REF 141TA7078 – Spot beam

- 9-32 V
- 27 W
- LED: 9 pieces
- Light output: 1950 lumen
- Aluminium housing
- Lens: plastic
- 4-point bracket included
- Dimensions (L x W x H): 127 x 109 x 61 mm

BLUE SAFETY LIGHT

REF 140TA2243
- 12-48 V
- Visual driving path warning device
- Projects a blue spot onto the floor a few meters ahead in the direction of travel
- Consists of two energy-efficient, very bright and long-lastig LED lights
- To be mounted to the top of the cab
- Back-up alarm with light instead of sound
- IP67

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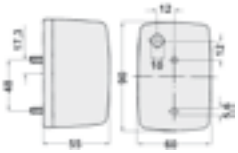
INDICATOR LIGHT



REF 106TA1273 – Left-hand side supplied without bulbs
REF 131TA8902 – Replacement lens

REF 105TA4888 – Right-hand side supplied without bulbs
REF 131TA8903 – Replacement lens

REF 100TA2215 – Bulb 12 V/21 W
REF 103TA4603 – Bulb 24 V/21 W

Lamp type: directional indicator light, in plastic housing

DIRECTIONAL INDICATOR

Used for Fiat
REF 107TA1175 – Supplied without bulb
REF 103TA4554 – Bulb 12 V/3 W
REF 103TA4556 – Bulb 24 V/3 W

INDICATOR LIGHT

Used for Toyota
REF 105TA4891 – 12 V
REF 106TA1339 – 24 V
REF 106TA1340 – 48 V
REF 106TA1341 – Replacement lens

DIRECTIONAL INDICATOR

Used for Toyota
REF 106TA1370 – 12 V
REF 106TA1367 – 24 V
REF 106TA1368 – 36 V
REF 107TA1171 – 48 V
REF 106TA1366 – Replacement lens

INDICATOR LIGHT

Used for Komatsu
REF 105TA4895 – 12 V
REF 106TA1325 – 24 V
REF 106TA1326 – 48 V
REF 106TA1327 – Replacement lens front
REF 106TA1328 – Replacement lens rear

INDICATOR LIGHT

Used for Nissan, Komatsu, TCM, Toyota
REF 106TA1364 – 12 V
REF 106TA1332 – 24 V
REF 106TA1333 – Replacement lens front
REF 106TA1365 – Replacement lens rear

FRONT COMBINATION LIGHT

Used for Mitsubishi
REF 122TA7551 – 12 V
REF 131TA8911 – 24 V
REF 134TA2570 – 48 V
- With 3-pin connector

REF 122TA7707 – Replacement lens

INDICATOR LIGHT

Used for Nissan
REF 106TA1403
- 12 V
- With 3 separate terminals

REF 134TA3716 – Replacement lens kit

FRONT COMBINATION LIGHT

Used for Hyster
REF 134TA2571
Supplied without bulbs
REF 100TA2215 – Bulb 12 V/21 W
REF 103TA4585 – Bulb 12 V/5 W
REF 103TA4603 – Bulb 24 V/21 W
REF 103TA4587 – Bulb 24 V/5 W
REF 134TA2572 – Replacement lens

FRONT COMBINATION LIGHT

Used for Still
REF 106TA1400
Supplied without bulbs
REF 100TA2215 – Bulb 12 V/21 W
REF 103TA4537 – Bulb 12 V/5 W
REF 103TA4603 – Bulb 24 V/21 W
REF 103TA4539 – Bulb 24 V/5 W
REF 134TA2573 – Replacement lens

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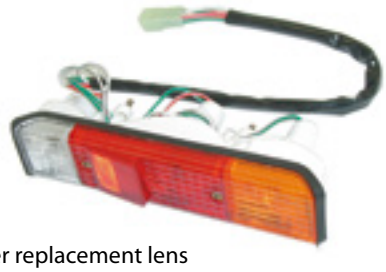
Tail lamps

REAR COMBINATION LIGHT USED FOR TOYOTA



REF 106TA1381 – 12 V
REF 107TA1174 – Amber replacement lens
REF 106TA1380 – Clear replacement lens
REF 106TA1383 – Red replacement lens

REAR COMBINATION LIGHT USED FOR TOYOTA

REF 106TA1384 – 12 V
REF 106TA1385 – 24 V
REF 106TA1386 – 36 V
REF 106TA1387 – 48 V
REF 106TA1388 – Replacement lens

REAR COMBINATION LIGHT USED FOR TOYOTA 7-SERIES

Left-hand side
REF 134TA2560 – 12 V
REF 134TA2561 – 48 V
- Light grey housing

REF 126TA5982 – Amber replacement lens
REF 126TA5981 – Red replacement lens

Right-hand side
REF 134TA2558 – 12 V
REF 134TA2559 – 48 V
- Light grey housing

REF 126TA5982 – Amber replacement lens
REF 126TA5983 – Clear replacement lens
REF 126TA5981 – Red replacement lens

REAR COMBINATION LIGHT USED FOR TOYOTA 8-SERIES

Left-hand side
REF 134TA2565 – 12 V
Dark grey housing

REF 126TA5982 – Amber replacement lens
REF 126TA5981 – Red replacement lens

Right-hand side
REF 134TA2564 – 12 V
Dark grey housing

REF 126TA5982 – Amber replacement lens
REF 126TA5983 – Clear replacement lens
REF 126TA5981 – Red replacement lens

REAR LIGHT USED FOR NISSAN

REF 126TA5984 – 12 V
REF 126TA5985 – Replacement lens

REAR LIGHT USED FOR NISSAN

REF 106TA1392 – 12 V, wire length: 770 mm
REF 106TA1390 – 12 V, wire length: 1300 mm
REF 131TA8906 – 24 V
REF 106TA1393 – 36 V
REF 131TA8908 – 48 V, wire length: 800 mm
REF 106TA1394 – 48 V, wire length: 1050 mm
REF 106TA1391 – Replacement lens

https://truckmanualshub.com/

REAR LIGHT USED FOR TCM, NISSAN

REF 105TA4890 – 12 V
REF 106TA1342 – 24 V
REF 106TA1343 – 48 V
REF 106TA1344 – Replacement lens

REAR LIGHT USED FOR TCM

REF 134TA2566 – 12 V
REF 134TA2567 – 24 V
REF 134TA2568 – 48 V
REF 134TA2569 – Replacement lens

REAR AND INDICATOR LIGHT USED FOR KOMATSU

REF 105TA4894 – 12 V
REF 106TA1329 – 24 V
REF 106TA1330 – 48 V
REF 106TA1331 – Replacement lens

REAR AND INDICATOR LIGHT USED FOR KOMATSU

REF 105TA4892 – 12 V
REF 106TA1335 – 24 V
REF 106TA1336 – 48 V
REF 106TA1337 – Clear replacement lens
REF 106TA1338 – Red replacement lens

REAR COMBINATION LIGHT USED FOR MITSUBISHI

REF 122TA7553 – 12 V
REF 122TA7550 – 24 V
REF 122TA7555 – 48 V
REF 122TA7554 – Replacement lens

REAR LAMP USED FOR LINDE, STILL

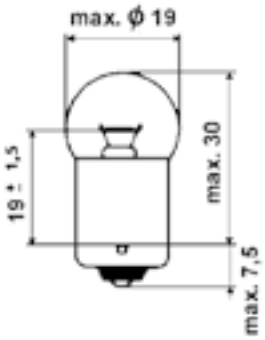
REF 107TA1176 – 12 V
REF 131TA8909 – 24 V
REF 131TA8910 – Replacement lens

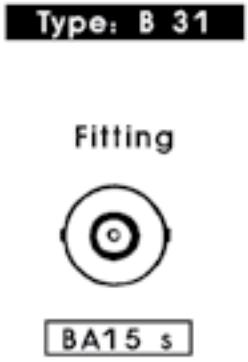
https://truckmanualshub.com/

Bulbs

TYPE B31

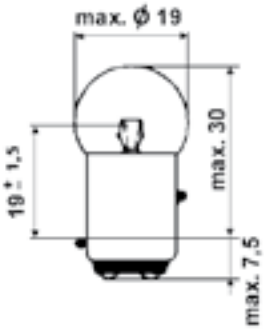
Volt	Watt	REF
Standard off-road		
12 V	5 W	**103TA4585**
12 V	10 W	**103TA4586**
24 V	10 W	**106TA4854**
48 V	10 W	**103TA4590**
E-approved on-road		
6 V	5 W	**103TA4584**
12 V	3 W	**122TA9119**
12 V	5 W	**123TA7982**
12 V	10 W	**123TA7983**
12 V	15 W	**106TA4853**
24 V	5 W	**103TA4587**
24 V	10 W	**123TA7984**
24 V	15 W	**131TA4764**
36 V	10 W	**106TA4856**
48 V	8 W	**103TA4589**
48 V	10 W	**123TA7985**





TYPE B34

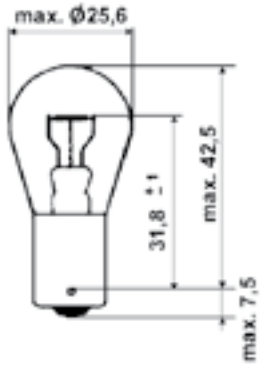
Volt	Watt	REF
Standard off-road		
36 V	8 W	**122TA9120**
48 V	10 W	**103TA4598**
60 V	10 W	**103TA4600**
E-approved on-road		
48 V	8 W	**131TA4767**
48 V	10 W	**123TA7986**



https://truckmanualshub.com/

TYPE B41

Volt	Watt	REF
Standard off-road		
12 V	21 W	**106TA4862**
12 V	25 W	**103TA4602**
24 V	25 W	**103TA4604**
36 V	25 W	**122TA9125**
48 V	25 W	**106TA4865**
E-approved on-road		
6 V	25 W	**122TA9121**
12 V	15 W	**131TA4770**
12 V	18 W	**106TA4861**
12 V	20 W	**131TA4809**
12 V	21 W	**100TA2215**
24 V	15 W	**106TA4864**
24 V	18 W	**131TA4772**
24 V	21 W	**103TA4603**
24 V	35 W	**106TA4863**
36 V	10 W	**122TA9124**
48 V	8 W	**131TA4773**
48 V	10 W	**119TA8918**
48 V	15 W	**122TA9126**
48 V	25 W	**123TA7987**
48 V	35 W	**131TA4768**
48 V	45 W	**131TA4769**



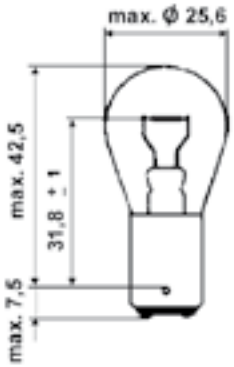
Type: B 41

Fitting

BA15 s

TYPE B43

Volt	Watt	REF
Standard off-road		
12 V	10 W	**103TA4610**
12 V	23 W	**122TA9128**
40 V	15 W	**115TA4604**
48 V	10 W	**119TA8919**
E-approved on-road		
12 V	15 W	**131TA4775**
12 V	21 W	**103TA4611**
12 V	25 W	**115TA4605**
24 V	15 W	**131TA4776**
24 V	21 W	**103TA4613**
48 V	25 W	**103TA4614**
48 V	35 W	**131TA4774**



Type: B 43

Fitting

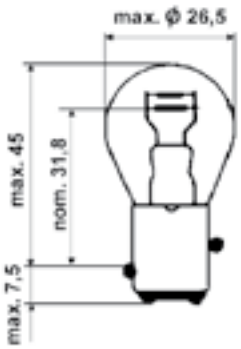
BA15 d

https://truckmanualshub.com/

Bulbs

TYPE B53

Volt	Watt 1	Watt 2	REF
Standard off-road			
12 V	21 W	5 W	**103TA4621**
12 V	23 W	8 W	**106TA4874**
24 V	21 W	5 W	**106TA4875**
24 V	25 W	10 W	**103TA4623**
36 V	25 W	10 W	**106TA4876**
48 V	25 W	10 W	**106TA4877**
60 V	25 W	10 W	**106TA4878**
E-approved on-road			
12 V	21 W	5 W	**123TA7988**
24 V	21 W	5 W	**123TA7989**
48 V	23 W	8 W	**131TA4777**
48 V	25 W	10 W	**123TA7990**
60 V	25 W	10 W	**123TA7991**
80 V	10 W	5 W	**119TA8923**



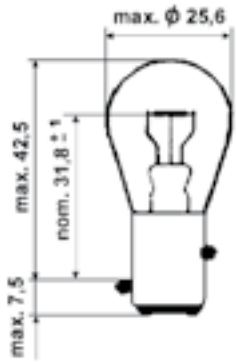
Type: B 53

Fitting

BAY15 d

TYPE B55

Volt	Watt	REF
Standard off-road		
24 V	25 W	**106TA4879**
36 V	25 W	**106TA4881**
48 V	25 W	**103TA4625**
56 V	25 W	**106TA4882**
E-approved on-road		
48 V	8 W	**131TA4778**
48 V	10 W	**119TA8924**
48 V	25 W	**123TA7992**
48 V	40 W	**115TA4606**



Type: B 55

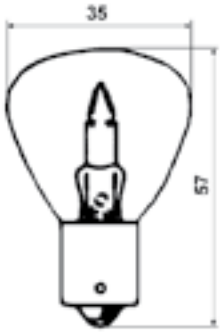
Fitting

BAY15 d

https://truckmanualshub.com/

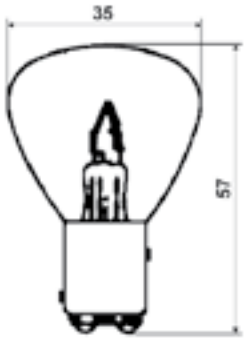
TYPE B61

Volt	Watt	REF
Standard off-road		
12 V	35 W	**103TA4626**
12 V	45 W	**103TA4628**
24 V	40 W	**103TA4631**
24 V	60 W	**106TA4884**
48 V	45 W	**103TA4632**
80 V	25 W	**103TA4633**
E-approved on-road		
12 V	45 W	**123TA7993**
24 V	35 W	**103TA4630**
24 V	45 W	**106TA4883**
24 V	60 W	**123TA7994**



TYPE B64

Volt	Watt	REF
Standard off-road		
24 V	40 W	**119TA8926**
36 V	40 W	**111TA2799**
48 V	40 W	**103TA4636**
56 V	40 W	**103TA4637**



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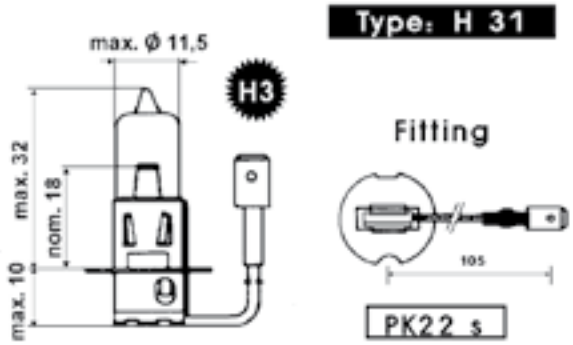
Bulbs

TYPE H31

Volt	Watt	REF
Standard off-road		
12 V	55 W	**103TA4525**
24 V	35 W	**131TA4799**
24 V	55 W	**119TA8933**
24 V	70 W	**103TA4526**
36 V	35 W	**131TA4800**
36 V	45 W	**103TA4673**
48 V	35 W	**131TA4801**
48 V	45 W	**103TA4674**
48 V	60 W	**106TA4903**
E-approved on-road		
6 V	25 W	**119TA8931**
6 V	55 W	**119TA8932**
12 V	35 W	**141TA9695**
12 V	55 W	**123TA8007**
24 V	70 W	**123TA8008**
36 V	45 W	**123TA8009**
48 V	45 W	**123TA8010**
48 V	60 W	**123TA8011**
80 V	55 W	**103TA4675**



Order your free copy of the Bulbs catalogue: REF 9103419

https://truckmanualshub.com/

HORN

REF 106TA1411
- Volume: 110 dB
- Diameter: 110 mm
- 12 V
- 2 terminals
- L-mount and S-mount
- Brackets included

HORN

REF 106TA1410
- Volume: 112 dB
- Diameter: 90 mm
- Working temperature: -30 °C to 85 °C
- 36-48 V; < 1 A
- 2 terminals

HORN

REF 105TA4659
- Volume: 110 dB
- Diameter: 125 mm
- 36 V; 1,5 A
- 2 terminals

REARVIEW MIRROR

REF 107TA7857
- Glass/rectangular shape
- With mounting bracket M8
- Dimensions: 220 x 130 mm

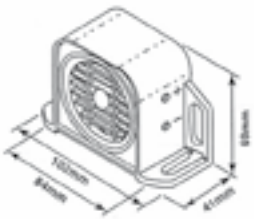
REARVIEW MIRROR

REF 105TA4842
- Universal application
- Panoramic view 180°
- Shock-resistant (plastic housing + acryl)
- Ball joint adjustable in height
- Dimensions: 275 x 140 mm

https://truckmanualshub.com/

Back-up alarms

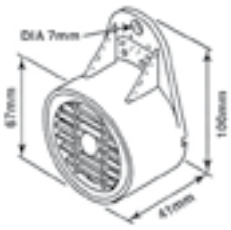
SAFE-T-ALERT 2000 SERIES



REF 105TA4575
- 12-80 V
- 97 dB

SAFE-T-ALERT®

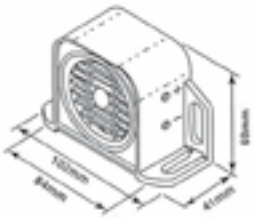
SAFE-T-ALERT 2500 SERIES



REF 141TA7635
- 12-48 V
- 97 dB

SAFE-T-ALERT®

BACK-UP ALARM



REF 134TA9470
- 12-24 V
- 102 dB
- Only sold outside the USA

BACK-UP ALARM

REF 134TA9500
- 36-48 V
- 85 dB

BACK-UP ALARM

REF 134TA9498
- 12-48 V
- 85 dB
- Wire ends: pin terminals

BACK-UP ALARM

REF 115TA1847
- Back-up alarm with LED: 10-100 V
- 100 dB

BACK-UP ALARM

Voltage	Volume	REF
12 V	87 dB	**115TA6972**
24 V	97 dB	**123TA2015**

The combined bleeper and light is as easy to install as changing a light bulb, giving the added safety of a reversing bleeper without the time, complication and cost of wiring and fitting. Simply replace one of your existing reversing bulbs.

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ANALOGUE HOUR METER

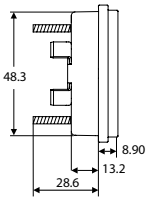
REF 106TA1473
- **12-80 VDC**
- Diameter: 52 mm
- 9999,9 hours
- Quartz
- Very easy to fit
- +- connection

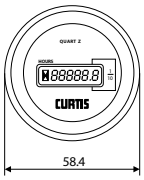
DIGITAL HOUR METER

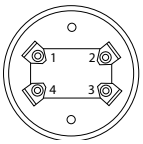
REF 107TA1208
12-48 VDC

REF 106TA1478
48-150 VDC

- Diameter: 52 mm
- 99 999,9 hours
- LCD-display
- Pin 1 +, Pin 2 -, Pin 3 I





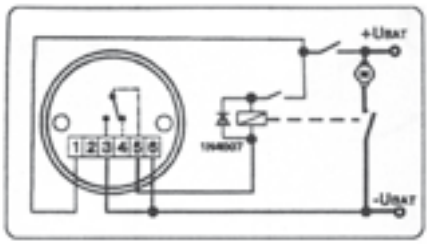


CURTIS

BATTERY DISCHARGE INDICATOR/CONTROLLER

REF 123TA7754 – 12 V
REF 107TA1046 – 24 V
REF 107TA1047 – 36 V
REF 107TA1048 – 40 V
REF 107TA1049 – 48 V
REF 107TA1050 – 72 V
REF 107TA1051 – 80 V

- Diameter: 52 mm
- With lock-out



BATTERY DISCHARGE INDICATOR

REF 106TA1141
- 24 V and 48 V
- Diameter: 52 mm
- With lock-out
- Curtis 803 series

BATTERY DISCHARGE INDICATOR

REF 106TA1135
- 24 V
- Diameter: 52 mm
- Without lock-out

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Universal gauges

NEW in SPC 2

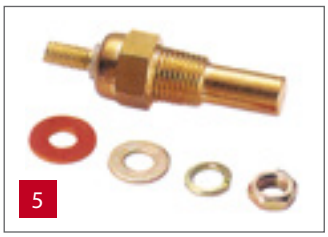
GAUGES UNIVERSAL 12 VDC

1

2

3

4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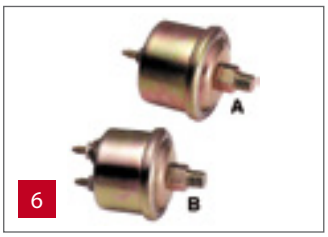

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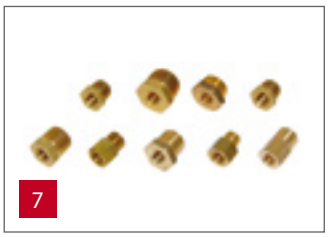
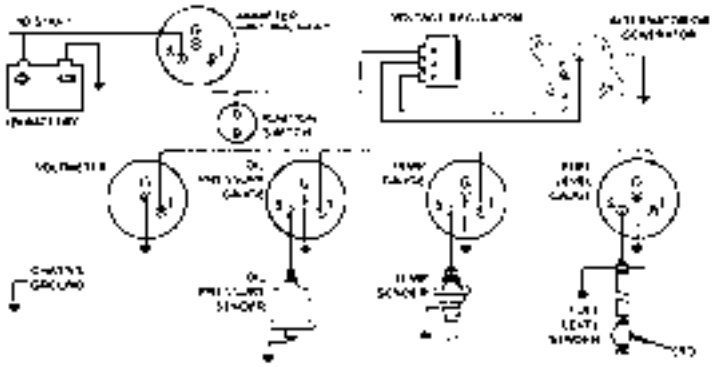

7

8

Fig		Description	REF
1	Water temperature gauge	Electrical 2-1/16", diameter: 52 mm, 90° sweep, 12 V -40 °C to 120 °C, 100 °F to 250 °F wiring: I = ignition (+), G = ground (-), S = sensor	**106TA2795**
2	Temperature sender	-40 °C to 120 °C, 100 °F to 250 °F, 1/8-27 NPT	**106TA2796**
3	Oil pressure gauge	Electrical 2-1/16", diameter: 52 mm, 90° sweep, 12 V 0-100 PSI/0-7 kg/cm² wiring: I = ignition (+), G = ground (-), S = sensor	**107TA1671**
4A	Pressure sender	100 PSI, 1/8 - 27 NPT (1 contact)	**106TA2798**
4B	Pressure sender	100 PSI, 1/8 - 27 NPT (2 contacts)	**107TA1672**
	Voltage reducer	For conversion of the above 12 V gauges to 24 V system wiring = between I and 24 VDC system	**115TA1852**
5	Voltage meter	Electrical 2-1/16", diameter: 52 mm, 90° sweep 12 V system, range 10-16 V	**106TA2799**
6	Adapter kit	Kit contains:	**141TA1321**
		Male / **Female**	
		1/4 - 18 NPT / 1/8 - 27 NPT	**106TA2801**
		3/8 - 18 NPT / 1/8 - 27 NPT	**107TA1673**
		1/2 - 14 NPT / 1/8 - 27 NPT	**107TA1674**
		M10 x 1,0 / 1/8 - 27 NPT	**106TA2804**
		M12 x 1,5 / 1/8 - 27 NPT	**107TA1675**
		M12 x 1,0 / 1/8 - 27 NPT	**106TA2806**
		M14 x 1,5 / 1/8 - 27 NPT	**107TA1676**
		M16 x 1,5 / 1/8 - 27 NPT	**107TA1677**
		M18 x 1,5 / 1/8 - 27 NPT	**107TA1678**
7	Ampere meter	60 - 0 - 60 A, diameter: 52 mm	**111TA6189**
8	Ampere meter	30 - 0 - 30 A, diameter: 52 mm	**111TA6190**



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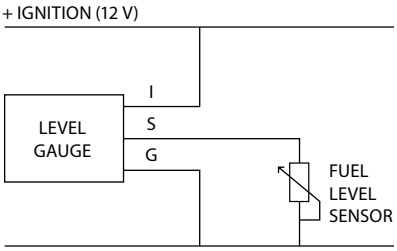
NEW in SPC 2

UNIVERSAL FUEL LEVEL INDICATION SET 12 VDC

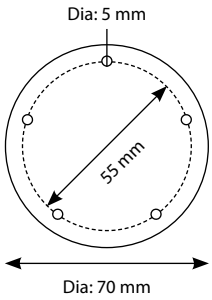
REF 135TA9787
Complete kit (gauge and fuel level sender)

Gauge



REF 123TA7757
- Diameter: 52 mm

Fuel level sender



REF 123TA7758
Can be adapted to any type of fuel tank

https://truckmanualshub.com/

Curtis

ELECTRONICS

- All controllers are thoroughly load tested
- We give a 6-month warranty on all new, reconditioned and service exchange parts
- Since 2009, TVH is appointed as Authorized distributor for CURTIS
- Authorized European Service & Repair centre
- We also repair:
  - Joysticks/displays/accelerators
  - HF-chargers
  - Electronic parts for aerial work platforms

FOOT PEDAL

REF 115TA2854
- Potentiometer throttle type - 0 to 5 K
- With two adjustable microswitches (max 10 A at 30 VDC)

CURTIS

ACCELERATOR

REF 115TA3862
- Right-hand operation
- With microswitch

CURTIS

CONTROLLER

REF 140TA2244
- 36/48 V
- 450 A

CURTIS

PMC CONTROLLER

REF 141TA9694
- 36/48 V
- 450 A

CURTIS

https://truckmanualshub.com/

NEW in SPC 2

CURTIS HANDHELD PROGRAMMER

REF 141TA7779
The Curtis Model 1313 handheld programmer is a powerful and intuitive programming and diagnostic tool. Model 1313 enables parameter files to be created and edited online or offline, transferred to another controller for cloning, or saved onto a PC or SD card. Rental of programmer is possible, please contact us.

Features
- Large high-resolution colour display
- Backlight for easy viewing in low-light environments
- Cloning feature and 64 MB internal memory allows multiple parameter files to be stored in the Handheld Programmer making it easy to transfer settings to other vehicles
- Advanced troubleshooting capabilities
- Multiple language support includes English, German, Spanish, French & Italian

Application
The Model 1313 performs comprehensive programming and troubleshooting tasks for all vehicles that use Curtis programmable motor controllers or control systems.

CURTIS

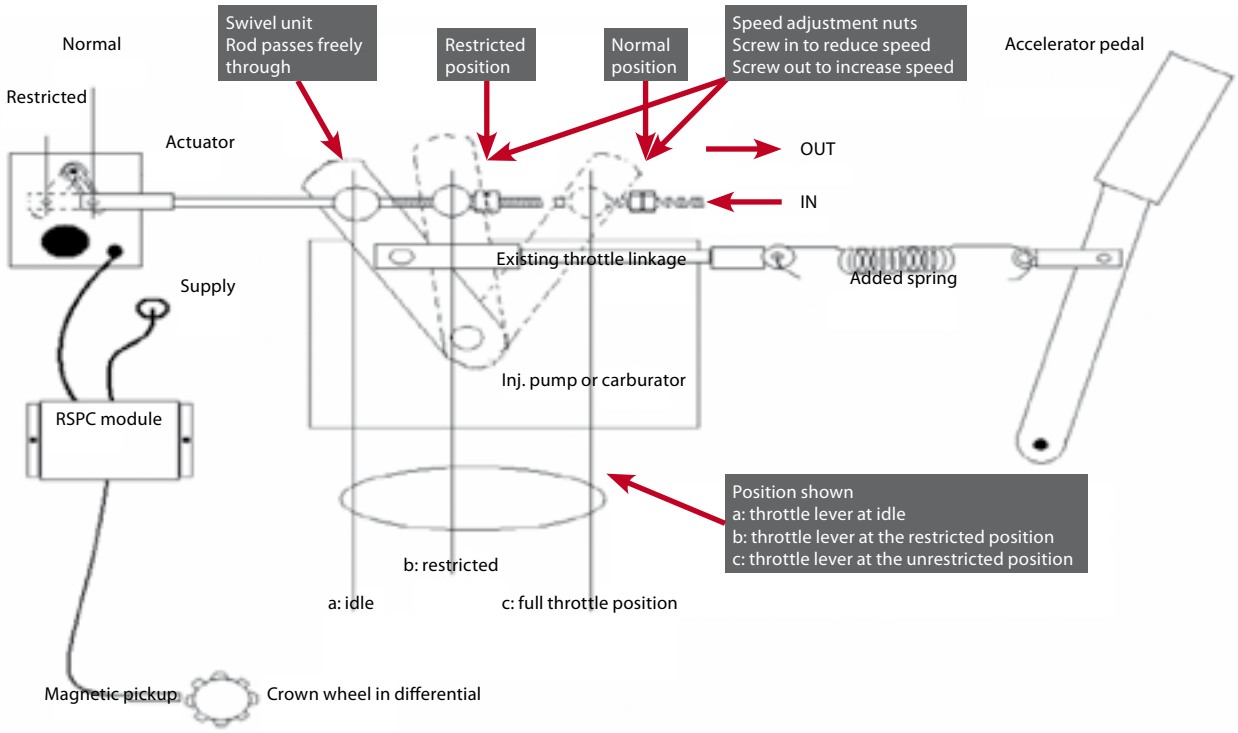
https://truckmanualshub.com/

SPEED LIMITERS

Our speed limiters prevent the forklift operator from exceeding a preset speed limit.
We can offer different kits depending on your type of forklift.

Key benefits:
- Limits travel speed of vehicle.
- Easy installation.
- Fully adjustable, does not affect hydraulic lifting performance.
- Suitable for gas/diesel torque flow converter forklift trucks.
- Advised for forklift truck operating areas that have pedestrian access.
- Adjustable in speed.
- Works in forward and reverse.
- Site safety is increased.
- Fuel consumption is reduced.
- Forklift tyre savings.
- Engine noise level output is reduced.
- Reduced insurance premiums can be made.

Basic operation of the speed limiter



Type 1: speed limiter for mechanical throttle

Choose your electronic kit depending on the voltage of your truck and bracket/linkage kit depending on the specific truck type.

Complete speed limiter: electronic kit + bracket/linkage kit

Electronic kits

REF 135TA3422 – 12 V
REF 135TA3423 – 24 V

Bracket and linkage kits: see next page

For other truck types we can offer our generic kits:
REF 135TA3491 – Electronic kit 12 V + standard bracket kit*
REF 135TA3492 – Electronic kit 24 V + standard bracket kit*

*Depending on the truck type, you will need to adjust/make brackets for proper installation.

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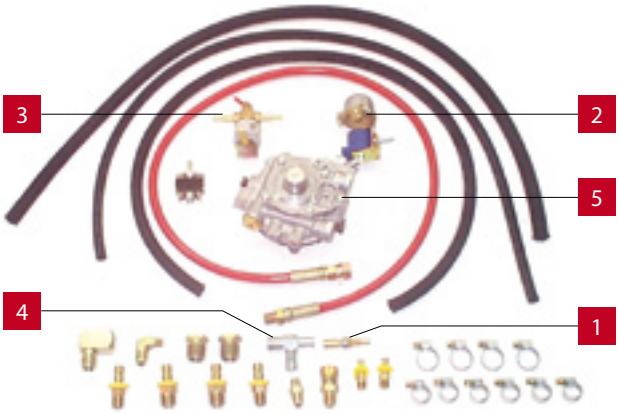
UNIVERSAL LPG CONVERSION KIT

This is a conversion kit for petrol/lpg.
The kit can be fitted on all brands of forklifts (A): up to 60 HP and (B): up to 120 HP.
Includes an injector (1) that must be mounted in the middle of the venture in the carburator.
The injector has a thread size of M8x1.5. This kit also includes: LPG lock-off (2), petrol lock-off (3), flow regulator (4), regulator (5), all the hoses and all the fittings to mount the kit easily.



REF 106TA2858
(A) = conversion kit: LPG and petrol < 60 HP

REF 106TA6817
Regulator 60

REF 106TA2859
(B) = conversion kit: LPG and petrol < 120 HP

REF 107TA9102
Regulator 120

COBRA CONVERTER

REF 107TA1732
- Outlet pressure: -370 Pa

IMPCO

REPAIR KIT

REF 107TA1730
- Repair kit for Cobra REF 107TA1732

IMPCO

REGULATOR MODEL E

REF 107TA9160

IMPCO

REPAIR KIT FOR MODEL E

REF 107TA9161

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LPG components

REGULATOR MODEL LB

REF 107TA9162

REPAIR KIT FOR MODEL LB

REF 107TA9163

VACUUM FUEL LOCK-OFF FILTER

REF 105TA4822
- Model VFF30

REPAIR KIT

REF 105TA4823
- Repair kit for VFF30

CARBURATOR

REF 105TA4827
- Model CA50 – CA55
- Used for 4Y-5K TOYOTA

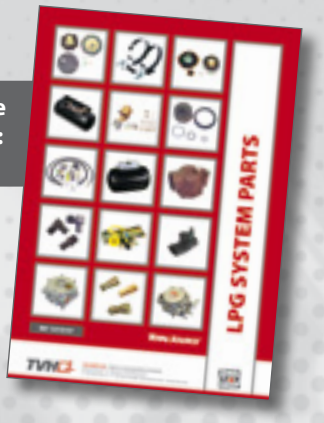
CARBURATOR

REF 107TA1734
- Model CA50 – CA55
- Used for engine H20-II/H25

VALVE

REF 105TA4828
- Lock-off valve + filter 12 V

Order your free copy of the LPG system parts catalogue: REF 12410757



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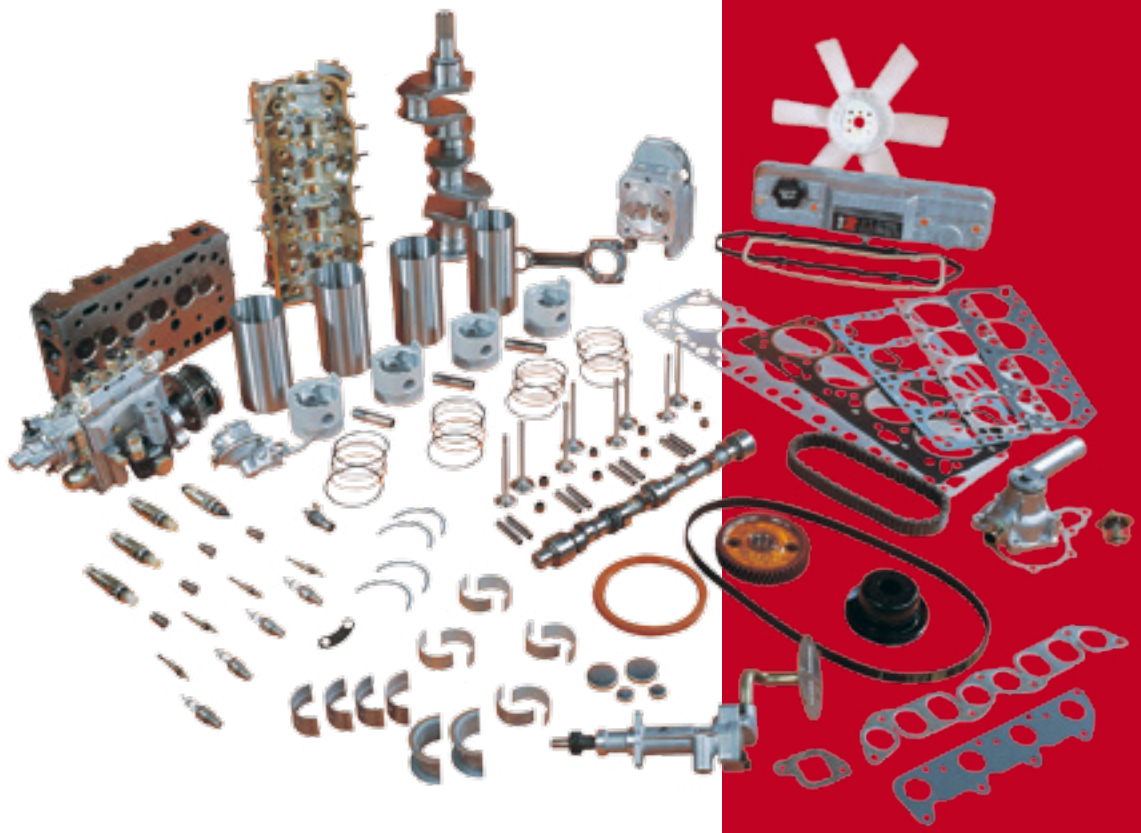
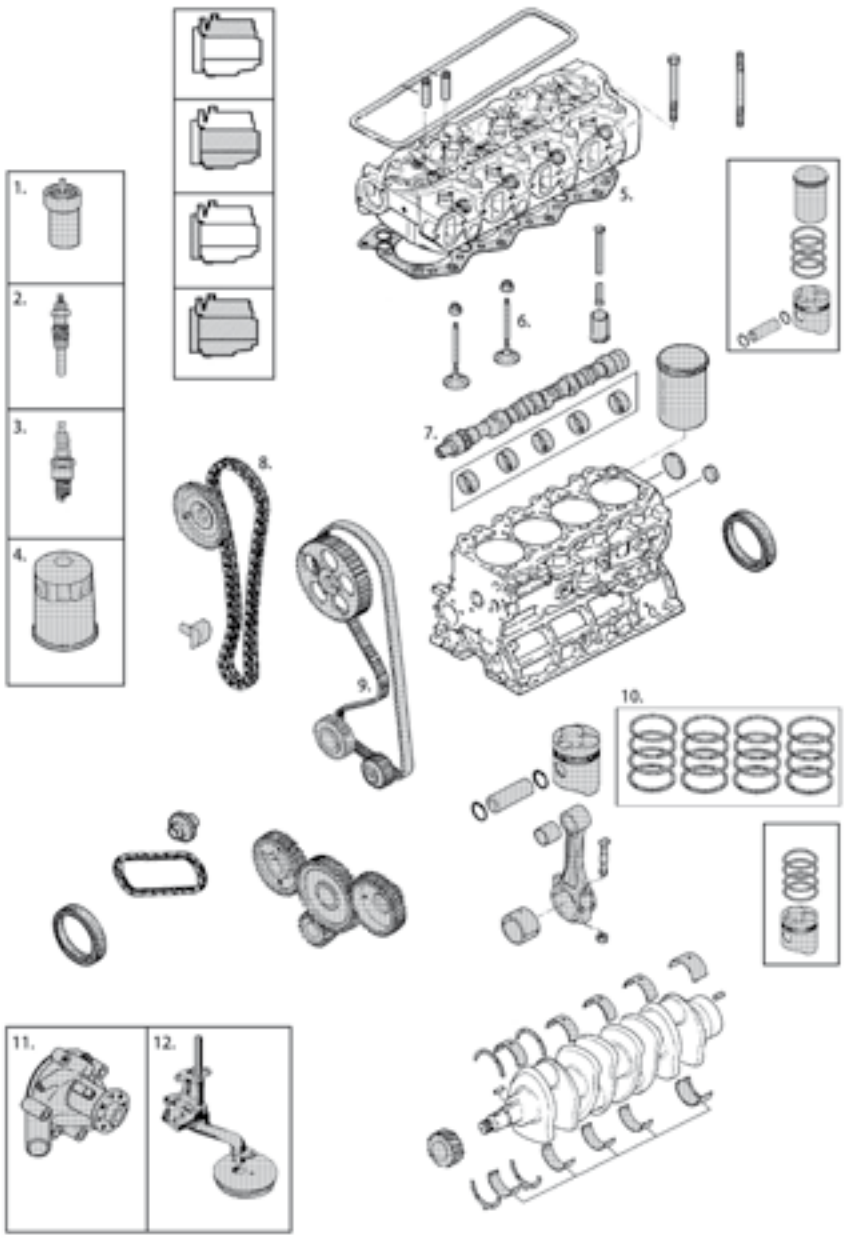


- CATERPILLAR
- CHRYSLER
- CONTINENTAL
- CUMMINS
- DETROIT • DEUTZ
- FIAT • FORD • GM
- ISUZU • KOMATSU
- KUBOTA • MAZDA
- MERCEDES
- MITSUBISHI
- NISSAN • PERKINS
- PEUGEOT
- RENAULT
- TOYOTA
- VOLKSWAGEN
- VOLVO
- WAUKESHA
- YANMAR

Order your free copy of the Engine parts catalogue: REF 20177485

ENGINE PARTS BREAK DOWN DIAGRAM



AL	Thrust washer set
AS	Sleeve assy. (piston, rings, sleeve)
BB	Bolt, connecting rod
BL	Bearing set, connecting rod
BM	Nut, connecting rod
BO	Spark plug
BP	Gasket kit, valve regrind
CB	Bolt, cylinder head
CG	Stud, cylinder head
CH	Sleeve
CP	Gasket kit, bottom
DK	Chain, timing
DP	Gasket kit, distribution
DR	Belt, timing
GB	Glow plug
HK	Chain, hydraulic pump drive
HL	Main bearing set
HT	Gear, hydraulic pump drive
IG	Guide, intake valve
IK	Intake valve
IT	Nozzle
JC	Gasket, cylinder head
KA	Valve seal
KD	Gasket, cylinder head cover
KG	Guide, intake/exhaust valve
KP	Overhaul gasket kit
KS	Tappet, valve
KT	Gear, crankshaft
NA	Camshaft
NL	Camshaft bearing set
NT	Gear, camshaft
OF	Oil filter
OK	Chain, oil pump drive
OP	Oil pump
PB	Bush, piston pin
PC	Retaining ring, piston pin
PI	Piston (with/without pin)
PISE	Piston (with/without pin)+ring set
PP	Piston pin
RO	Repair kit, oil pump
RW	Repair kit, water pump
SA	Oil seal crankshaft, rear
SE	Ring set
SK	Chain tensioner
SV	Oil seal crankshaft, front
TT	Gear idle
UG	Guide, exhaust valve
UK	Valve, exhaust
VP	Kit expansion plugs
WP	Water pump

ENGINE TYPES

CATERPILLAR
- 1404

CONTINENTAL
- F135
- F163
- F227
- F245
- G193
- Y112
- TM20
- TM27
- TMD27

DEUTZ
- F3L913G
- GF3L913
- F3/4/6/L912 (W)

FIAT
- 8035-05-359
- 8045-05-359
- 8141-67-200
- M705.19.149A1000
- M205.16AA.149A000
- 8055.05.250

FORD
- 4-172
- 4-192

GM
- 4181
- 4153
- 6250
- V6-4,3
- 2,2L

ISUZU
- C240
- C221
- 4FA1
- 4FE1
- DA220
- 4JB1
- G201
- 4JG2

KOMATSU
- 4D95
- 6D95
- 4D94E
- 6D105-1
- 4D105

MAZDA
- XA
- VA
- UA
- FE
- HA
- ZB
- F2
- TM

MERCEDES
- OM314

MITSUBISHI
- 4DQ5(0)
- S4E
- S4E2
- S6E
- S6E2
- 4G33
- 4G52
- 4G53
- 4G54
- S4S
- 4G64
- 4G63
- KE42
- 4G15
- S4Q2
- 4DQ7
- 4G41
- 6G72
- KE46
- 4G15
- S6S
- S6K

NISSAN
- SD22
- SD25
- SD33T
- J15
- H20
- D11
- Z24
- A15
- A12
- H25
- TD27
- BD30
- H15
- H30
- TB42
- TD42
- P40

PERKINS
- 4.236
- 4.203
- 4.2482
- 4.108
- 6.354
- 6.3544
- 1004.4
- 903-27
- 4.203.2
- D3.152
- 1006.6

PEUGEOT
- XD3P
- XDP 4.88
- XDP 4.90
- XC7P
- XN1P

TOYOTA
- 3P
- 4P
- 1Z
- 5R
- 5P
- 2J
- 4Y
- 5K
- 1DZ
- 11Z
- 2H
- H
- V1502
- VT1502
- V1512
- 2Z
- V1512T
- F
- 2F
- 3F
- 12Z
- 14Z
- 13Z

VOLVO
- TD61 AW
- TD71 AW
- TD100 G

WAUKESHA
- D155G
- D176G

TVH stocks parts for all engines listed above

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Engine parts

Suitable for		REF water pump	REF radiator fan	REF radiator hose		REF radiator cap
				Upper	Lower	
Toyota	1DZ	103TA6775	103TA6219	105TA3688	105TA3661	127TA1066
	1Z	103TA6779	103TA6219	103TA6298	105TA3148	127TA1066
	1DZII	103TA6775	103TA6219	105TA8430	106TA5222	127TA1066
	2Z	141TA8748	103TA6219	105TA8681	105TA8678	127TA1066
	11Z	103TA6779	103TA6219	105TA3547	105TA7960	127TA1066
	5K	141TA8718	103TA6219	126TA6429	126TA6446	127TA1066
	4Y	141TA8722	103TA6193	105TA3624	106TA7765	127TA1066
Nissan	H20	140TA6266	105TA7517	105TA3866	105TA7679	140TA6284
	H20II				105TA3873	140TA6285
	TD27	140TA6267	105TA7517	105TA3866	105TA8459	140TA6284
	K21		140TA6276	126TA6425	126TA6439	140TA6287
Komatsu	4D95	140TA6268	103TA6165	105TA3195	105TA3194	140TA6288
	4D94E	140TA6269	105TA7487	105TA4034	105TA4033	106TA4496
Mitsubishi	S4S	140TA6270	105TA7485	140TA6278	140TA6282	140TA6289
	S4E	140TA6271	103TA6196	105TA3265	105TA3266	140TA6290
	4G33	103TA6834	105TA7513	105TA3486	106TA5203	106TA4457
Isuzu	4JG2	140TA6274	103TA6181	142TA3180	105TA4036	

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STARTERS AND ALTERNATORS

Brand	Engine type	REF starter motor	REF alternator
Toyota	1DZ	**103TA3302**	**107TA9470**
	1Z	**103TA3302**	**105TA5843**
	1DZII	**103TA3302**	**124TA6652**
	2Z	**103TA3302**	**107TA9470**
	11Z	**111TA1194**	**107TA9470**
	5K	**103TA3290**	**106TA1969**
	4Y	**103TA3290**	**128TA3669**
Nissan	H20	**108TA2496**	**106TA2050**
	TD27	**105TA5274**	**105TA5729**
	K21	**126TA6002**	**124TA6707**
Komatsu	4D95	**105TA9821**	**106TA1678**
	4D94E	**105TA5216**	**105TA5632**
Mitsubishi	S4S	**105TA9723**	**105TA5680**
	S4E	**105TA9733**	**105TA5537**
Isuzu	4JG2	**105TA9928**	**106TA1869**

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Filters

PRE-FILTER

REF 104TA7822
- Full view
- D1: 186 mm
- D2: 77 mm
- H1: 157 mm

Lid only

REF 107TA1741

Glass only

REF 116TA6261

FILTERS

Brand	Engine type	REF oil filter	REF fuel filter	REF air filter
Toyota	1DZ	108TA4222	108TA8644	141TA7877
	1Z	108TA4222	108TA8644	108TA4216
	1DZII	108TA8659	106TA6944	141TA7877
	2Z	108TA4222	108TA8644	105TA4806
	11Z	108TA4222	108TA8644	108TA4225
	5K	108TA8647	108TA8648	106TA3013
	4Y	108TA8776	108TA8648	108TA8774
Nissan	H20	108TA8727	108TA8705	108TA8729
	SD25	108TA8776		108TA8730
	TD27	104TA8397	105TA4810	126TA6135
	K21	108TA8773	108TA8705	108TA8774
Komatsu	4D95	104TA8405	105TA4810	124TA6995
	4D94E	127TA1810	104TA8525	124TA6995
Mitsubishi	S4S	104TA5998	104TA8525	124TA6994
	S4E	104TA8425	104TA8525	106TA3013
Isuzu	4JG2	108TA8714	104TA8525	108TA8774

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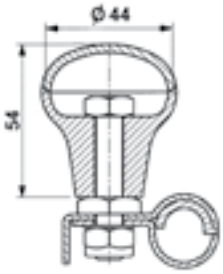
STEERING KNOB WITH SUPPORT



REF 107TA3351
- Universal use

STEERING KNOB WITH EXTERNAL THREAD

REF 107TA3393
- Bolt: M8 x 1,25
- Used for Yale, TCM, Kalmar, Toyota, Komatsu, Nyk, SVE-TRUCK, Jungheinrich

STEERING KNOB WITH SUPPORT

REF 128TA4192
- Used for Caterpillar, Toyota, Komatsu, Nichiyu-Nyk

STEERING KNOB WITH EXTERNAL THREAD

REF 128TA4191
- Bolt: M8 x 1,25
- Used for Hyster, Yale, Toyota

STEERING KNOB WITH EXTERNAL THREAD

REF 107TA3350
- Bolt: M8 x 1,25
- Used for Komatsu

STEERING KNOB WITH HOLE OR INTERNAL THREAD

REF 140TA2218
- Used for Caterpillar, Mitsubishi and Nissan

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Drive and steering

Suitable for		REF hub seal	REF bearing	REF drive wheel bolt	REF drive wheel nut	REF steering wheel bolt	REF steering wheel nut
Toyota	5 series	**126TA6405**		**126TA6285**	**104TA9967**	**104TA8678**	**104TA9907**
	6 series	**126TA6405**		**104TA9742**	**140TA6311**	**104TA8678**	
	7 series	**126TA6405**		**140TA8307**	**104TA9967**	**104TA8678**	**104TA9908**
Komatsu	FD25-11	**126TA6397**	**140TA6301**	**126TA6290**	**105TA1010**	**126TA6300**	**140TA8309**
	FD25-12	**126TA6398**	**140TA6302**	**126TA6290**	**140TA6310**	**126TA6300**	**140TA8309**
	FD25-14	**126TA6398**	**140TA6303**	**126TA6290**	**104TA9965**	**126TA6300**	**104TA9904**
	FD25-16	**126TA6398**	**140TA6304**	**126TA6291**	**105TA1010**	**126TA6300**	**140TA8309**
Nissan	H02	**126TA6414**	**140TA6305**	**104TA8746**	**140TA6311**	**104TA8746**	**140TA6311**
	J02	**126TA6402**	**140TA6306**	**104TA8746**	**140TA6312**	**104TA8746**	**140TA6311**
Mitsubishi	F18A	**126TA6394**	**140TA6307**	**104TA8771**	**104TA9990**	**104TA8771**	**104TA9990**
	F18B	**126TA6409**	**140TA6308**	**140TA6309**	**104TA9990**	**140TA6309**	**104TA9990**
	F18C	**126TA6410**	**140TA6307**	**140TA8589**		**140TA6309**	**104TA9990**

Suitable for		REF master cylinder	REF wheel cylinder		REF brake shoes		REF brake cable	
			Left	Right	Left	Right	Left	Right
Komatsu	FD25-11	**104TA4281**	**126TA6316**	**126TA6316**	**126TA6455**	**126TA6455**	**106TA7028**	**141TA9672**
	FD25-12	**104TA4279**	**140TA6944**	**140TA6944**	**140TA6944**	**140TA6944**	**140TA6295**	**126TA6353**
	FD25-14	**104TA4279**	**126TA6316**	**126TA6316**	**140TA6944**	**140TA6944**	**140TA6296**	**140TA6299**
	FD25-16	**126TA6318**	**135TA9338**	**135TA9338**	**126TA6303**	**126TA6314**	**126TA6336**	**126TA6354**
Nissan	H02	**106TA2889**	**104TA4636**	**104TA4636**	**140TA8312**	**140TA6944**	**126TA6320**	**126TA6339**
	J02	**135TA7414**	**104TA4636**	**104TA4636**	**140TA6941**	**140TA6945**	**126TA6322**	**126TA6534**
Mitsubishi	F18A	**140TA6292**	**140TA6294**	**140TA6294**	**140TA8312**	**140TA6946**	**140TA6297**	**106TA7030**
	F18B	**140TA6293**	**140TA6294**	**140TA6294**	**140TA8312**	**140TA6940**	**140TA6297**	**140TA6300**
	F18C	**124TA7905**	**135TA9335**	**135TA9335**	**126TA6313**	**126TA6314**	**126TA6324**	**126TA6324**
Toyota	5 series	**140TA8310**	**105TA4232**	**105TA4232**	**134TA9344**	**134TA9344**	**106TA7015**	**106TA7025**
	6 series	**140TA8315**	**106TA4018**	**106TA4018**	**134TA9344**	**134TA9344**	**140TA8316**	**106TA7025**
	7 series	**123TA1888**	**122TA8844**	**122TA8844**	**134TA9344**	**134TA9344**	**126TA6327**	**126TA6346**

TOTAL SOURCE®

STANDARD SUPER ELASTIC TYRES

TS01

TS02

TS03

TS04

TS05

Tyre size	Rim size	Tread pattern	Tyre dia ± 10 mm	Section width ± 5 mm	Approx net weight kg	REF standard tyre	REF clip tyre	REF non-marking tyre	REF clip non-marking tyre
400 x 8	3.00	TS01	408	115	12,4	**116TA7743**		**129TA6824**	
400 x 8	3.00	TS04	412	115	12,6	**129TA6776**		**129TA6825**	
400 x 8	3.75	TS01	408	115	12,4	**129TA6777**		**129TA6826**	
400 x 8	3.75	TS04	412	115	12,6	**129TA6778**		**129TA6827**	
500 x 8	3.00	TS02	462	127	18,5	**129TA6779**	**129TA6806**	**129TA6828**	**129TA6855**
15 x 4,5 x 8	3.00	TS01	380	106	9,4	**116TA7747**	**129TA6807**	**129TA6829**	**129TA6856**
16 x 6 x 8	4.33	TS02	415	156	17,2	**116TA5090**	**116TA5091**	**129TA6830**	**129TA6857**
18 x 7 x 8	4.33	TS02	458	145	20,5	**111TA1102**	**116TA5089**	**129TA6831**	**129TA6858**
600 x 9	4.00	TS02	530	140	27	**111TA1099**	**129TA6808**	**129TA6832**	**129TA6859**
140 x 55 x 9	4.00	TS01	378	135	11		**136TA1298**		**136TA1299**
21 x 8 x 9	6.00	TS01	520	190	33,5	**116TA7748**	**129TA6809**	**129TA6833**	**129TA6860**
650 x 10	5.00	TS02	580	157	36,8	**111TA1100**	**129TA6810**	**129TA6834**	**129TA6861**
23 x 9 x 10	6.50	TS01	590	211	49	**116TA7749**	**129TA6811**	**129TA6835**	**129TA6862**
200 x 50 x 10	6.50	TS01	455	197	24,4	**116TA7754**	**129TA6812**	**129TA6836**	**129TA6863**
750 x 10	5.00	TS01	630	170	48	**129TA6780**		**129TA6837**	
750 x 10	5.50	TS01	630	170	48	**129TA6781**	**129TA6813**	**129TA6838**	**129TA6864**
450 x 12	3.00	TS02	546	120	22,2	**129TA6782**		**129TA6839**	
700 x 12	5.00	TS02	665	167	49	**111TA1101**	**129TA6814**	**129TA6840**	**129TA6865**
825 x 12	5.00	TS01	730	205	72	**129TA6783**			
23 x 10 x 12	8.00	TS03	590	230	52,2	**129TA6784**	**129TA6815**	**129TA6841**	**129TA6866**
27 x 10 x 12	8.00	TS01	679	231	70	**116TA7750**	**129TA6816**	**129TA6842**	**129TA6867**
550 x 15	4.50	TS02	665	145	40,3	**129TA6785**		**129TA6843**	
600 x 15	4.50	TS02	700	148	46,5	**129TA6786**		**129TA6844**	
700 x 15	5.50	TS02	740	177	61	**129TA6787**	**129TA6817**	**129TA6845**	**129TA6868**
750 x 15	6.50	TS01	760	200	75	**129TA6788**			
815 x 15	7.00	TS02	700	225	67	**116TA7753**	**129TA6818**	**129TA6846**	**129TA6869**
28 x 9 x 15	7.00	TS02	700	225	67	**116TA7753**	**129TA6818**	**129TA6846**	**129TA6869**
250 x 15	7.00	TS01	725	230	72	**116TA7755**	**129TA6819**	**129TA6847**	**129TA6870**
250 x 15	7.50	TS01	725	230	72	**129TA6789**	**139TA3475**	**129TA6848**	
825 x 15	5.50	TS01	820	200	90	**129TA6790**			
825 x 15	6.50	TS02	830	203	92	**116TA7746**	**129TA6820**	**129TA6849**	**129TA6871**
300 x 15	8.00	TS01	825	257	110	**116TA7756**	**129TA6821**	**129TA6850**	**129TA6872**
28 x 12,5 x 15	9.75	TS01	700	300	86	**129TA6791**	**129TA6822**	**129TA6851**	**129TA6873**
355 x 65 x 15	9.75	TS01	820	302	126	**116TA7757**	**129TA6823**	**129TA6852**	**129TA6874**
650 x 16	5.50	TS03	740	165	60	**129TA6792**			
750 x 16	5.50	TS03	800	180	77,2	**129TA6793**		**129TA6853**	
750 x 16	6.00	TS03	800	180	77,2	**129TA6794**		**129TA6854**	
900 x 16	6.50	TS03	869	214	110	**129TA6795**			
900 x 20	6.50	TS03	1000	240	153	**129TA6796**			
900 x 20	7.00	TS03	1000	240	153	**129TA6797**			
1000 x 20	7.50	TS03	1030	250	170	**129TA6798**			
1000 x 20	8.00	TS03	1030	250	170	**129TA6799**		**129TA8529**	
1100 x 20	8.00	TS03	1050	270	195	**129TA6800**			
1200 x 20	8.00	TS03	1100	285	231	**129TA6801**			
1200 x 20	8.50	TS03	1100	285	231	**129TA6802**			
1200 x 20	10.00	TS03	1100	285	231	**129TA6803**			
1400 x 20	10.00	TS03	1250	328	340	**129TA6804**			
1400 x 24	10.00	TS03	1330	325	390	**129TA6805**			
1600 x 25	11.25	TS05	1440	390	600	on request			
1800 x 25	13.00	TS05	1600	480	870	on request			
17,5 x 25	14.00	TS05	1350	460	580	on request			
23,5 x 25	19.50	TS05	1600	580	1100	on request			
26,5 x 25	22.00	TS05	1730	650	1400	on request			

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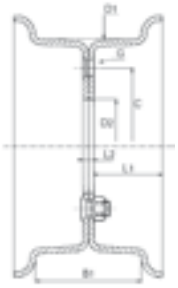
SPLIT RIM OR DIVIDED RIM

Structure

Steel plated, rim consisting out of 2 halves, supplied along with the existing bolts, nuts and washers.

Possibility for other dimensions, ask your sales advisor at TVH.



Rim width (inch) (B1)	Rim diameter (inch) (D1)	Tyre size	Centre-hole (mm) (D2)	Pitch-circle (mm) (C)	No of holes (G)	Ø of studholes (mm)	Flange position (L1)	Used for	REF
2.50	4	4.00-4	52	68	5	8	Half	Komatsu - Pimespo - OM	**129TA7548**
3.00 D	8	4.00-8	85	130	5	19	Half	Clark	**129TA7549**
		5.00-8	110	140	5	18,5	Half	Hyster	**129TA7550**
		125/75-8	86	114	6	15	Half	Toyota	**107TA5381**
		15 x 4.5-8	100	125	6	16	Half	Divers	**107TA5382**
			110	148	6	15	Half	Divers	**107TA5380**
4.33 R	8	16 x 6-8	95	135	5	17,5	124	Divers	**129TA7551**
		105/75-8	110	145	5	18,5	Half	Hyster	**129TA7552**
		18 x 7-8	110	147	5	17,5	122	Divers	**107TA5384**
		180/70-8	90	130	6	17,5	89	Divers	**107TA5385**
			96	136	6	17,5	121	TCM	**129TA7553**
			100	140	6	17,5	50	Komatsu	**107TA5383**
			105	142	6	18	Half	Toyota	**129TA7554**
4.00 E	9	6.00-9	124	165	5	17	Half	Yale - Hyster	**129TA7555**
		140/55-9	140	170	6	18	Half	Divers	**129TA7556**
			150	180	6	18	Half	Divers	**107TA5387**
			130	160	8	16,5	Half	Divers	**107TA5386**
			142	170	8	16	Half	Divers	**107TA5388**
5.00 F	10	6.50-10	127	165	5	16	Half	Yale - Hyster	**129TA7557**
		7.0/85-10 IMPL.	140	170	6	18	Half	Divers	**129TA7558**
			150	180	6	18	Half	Daewoo	**129TA7559**
			150	180	6	18	Half	Divers	**107TA5390**
			170	200	6	17	Half	Caterpillar	**129TA7560**
			130	160	8	17	Half	TCM	**107TA5391**
			142	170	8	16	Half	Divers	**107TA5392**
			105	140	10	18,5	Half	Hyster	**129TA7561**
5.00 S	12	7.00-12	149,3	203,2	5	32	Half	Yale - Hyster	**129TA7562**
			175	220	5	27	Half	Divers	**107TA5393**
			150	200	6	27	Half	Divers	**107TA5394**
			166	218	6	32	Half	Yale - Hyster	**129TA7563**
			170	220	6	27	Half	Divers	**107TA5396**
			170	220	6	32	Half	Divers	**107TA5395**
			145	190	8	26	Half	Toyota	**107TA5397**

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MULTIPLE PIECE RIM WITH RINGS

Structure

- Can be supplied with or without locking rings.
- There are several different fittings possible per size, depending on the brand and type of machine. Please contact TVH for more details.

Rim width (inch) (B1)	Rim diameter (inch) (D1)	Tyre size	Tyre size	Tyre size	Tyre size
3.00 D	8	4.00-8	5.00-8	125/75-8	15 x 4.5-8
3.25 D	8	4.00-8	5.00-8	15 x 4.5-8	
3.75 D	8	4.00-8	5.00-8		
4.33 R	8	16 x 6-8	105/75-8	18 x 7-8	180/70-8
7.00 E	8	18 x 9-8			
4.00 E	9	6.00-9	140/55-9		
6.00 E	9	21 x 8-9	200/75-9		
5.00 F	10	6.50-10	7.0/85-10 IMPL.	180/60-10	
6.50 F	10	23 x 9-10	225/75-10	200/50-10	
3.00	12	4.50-12			
5.00 S	12	7.00-12	5.70-12		
8.00 G	12	27 x 10-12	23 x 10-12		
3.75 P	13	25 x 6	23 x 5		
4.50	15	5.50-15	6.00-15		
5.50	15	7.00-15			
6.00	15	7.50-15	7.00-15		
6.50	15	200-15	7.50-15	8.25-15	
7.00	15	250-15	28 x 9-15	8.15-15	225/75-15
7.50	15	250-15	10.00-15		
8.00	15	300-15			
9.75	15	355/65-15	28 x 12.5-15	355/45-15	
6.00	16	7.50-16			
6.50	20	8.25-20	9.00-20		
7.00	20	9.00-20	10.00-20		
7.50	20	10.00-20	11.00-20		
8.00	20	10.00-20	11.00-20	12.00-20	
8.50	20	12.00-20			
10.00	20	12.00-20			
8.50	24	12.00-24			
10.00	24	14.00-24			

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SEPARATE RINGS

Rim rings type Lemmerz (*)

Rim size	Tyre size	REF side ring	REF lock ring	REF seat ring
3.00 x 8	500 x 8/15 x 4,5 x 8	**107TA5418**	**107TA5398**	**107TA5412**
4.33 x 8	16 x 6 x 8/18 x 7 x 8	**107TA5419**	**107TA5399**	
4.00 x 9	600 x 9/140 x 55 x 9	**107TA5420**	**107TA5400**	**107TA5413**
6.00 x 9	21 x 8 x 9	**107TA5420**	**107TA5400**	**107TA5413**
5.00 x 10	650 x 10	**107TA5421**	**107TA5401**	**107TA5414**
6.50 x 10	23 x 9 x 10 200 x 50 x 10	**107TA5421**	**107TA5401**	**107TA5414**
5.00 x 12	700 x 12	**107TA5422**	**107TA5402**	**107TA5415**
8.00 x 12	23/27 x 10 x 12	**107TA5423**	**107TA5403**	**107TA5416**
3.75 x 13	21 x 4/23 x 5	**107TA5424**	**107TA5404**	
5.50 x 15	700 x 15	**107TA5425**	**107TA5405**	**107TA5417**
6.00 x 15	700/750 x 15	**107TA5425**	**107TA5405**	**107TA5417**
6.50 x 15	750 x 15	**107TA5425**	**107TA5405**	**107TA5417**
7.00 x 15	815 x 15/250 x 15	**107TA5426**	**107TA5405**	**107TA5417**
7.50 x 15	250 x 15 - 750	**107TA5427**	**107TA5406**	**107TA5417**
8.00 x 15	300 x 15	**107TA5428**	**107TA5406**	**107TA5417**
9.75 x 15	355 x 65 x 45	**107TA5426**	**107TA5405**	**107TA5417**

(*) Other types on request (brand of rim is required)

CLAMP FITTING RIMS

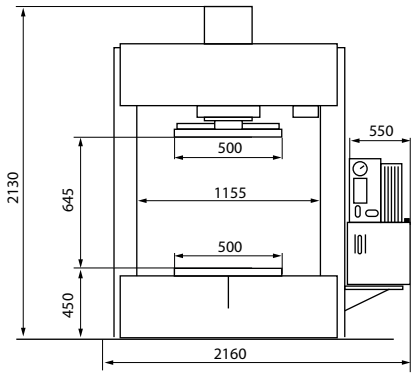
Used on Hyster, Clark, Caterpillar, Mitsubishi, TCM, Kalmar …

There are several different possibilities per size, depending on the brand and type of machine

Sizes: 6.50 x 15 …, 8.00 x 20 …, 13.00 x 25 …, 13.00 x 33

ALL RIMS CAN BE DELIVERED COMPLETE WITH TYRES, UPON REQUEST

TYRE PRESS

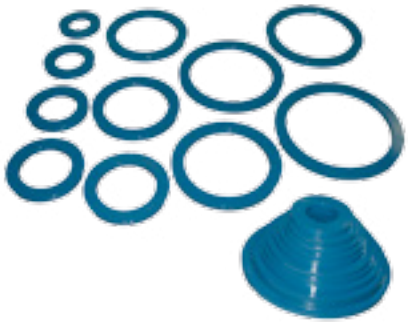


REF 141TA3456
220 V

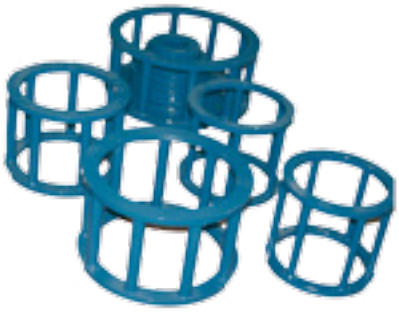
Specifications

- Capacity: 160 ton
- Max tyre dimension: 20 inch
- Cylinder: double-acting
- Total height: 2222 mm
- Total width: 2160 mm
- Total depth: 850 mm
- Operating pressure: 230 bar
- Cylinder stroke: 400 mm
- Stroke complete out: 35 sec
- Oil tank: 30 l
- Electromotor: 5,5 HP
- Suitable for 380 V, also available in 220 V (on request)
- 3-phase
- 50 Hertz tension
- Shipping weight: 1800 kg
- Supplied with a basic tool kit for tyres from 8" up to 20" comprising cages, cones and support rings.
- More advanced tools on request

Basic toolkit


Support rings

Cones


Cages

TYRE CUTTER

Type	Width	Depth	Quantity	REF
Round	3-5 mm	7 mm	20	**107TA5302**
	5-8 mm	7 mm	20	**107TA5303**
	6-15 mm	10 mm	20	**107TA5304**
	8-16 mm	12 mm	20	**107TA5305**
	10-18 mm	12 mm	20	**107TA5306**
Large	3-5 mm	7 mm	20	**107TA5307**
	5-6 mm	7 mm	20	**107TA5308**
	7-10 mm	10 mm	20	**107TA5309**
	9-13 mm	12 mm	20	**107TA5310**
	11-15 mm	12 mm	20	**107TA5311**
	23-28 mm	12 mm	10	**107TA5312**
Boxes of blades sold separately				

REF 107TA5313
- Professional "Rubber cut"
- 220-240 V
- RILLIFT 6
- Reliable
- Modern
- Technically refined

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KIT TOYOTA 7FBR13-18

REF 140TA2225

Kit includes:
REF 111TA1234 – Press-on tyre: 254 x 120 x 190 mm
REF 129TA9635 – Load wheel
REF 111TA1286 – Press-on tyre: 330 x 145 x 193 mm

KIT NISSAN HC01 (1.5-2.0)

REF 140TA2226

Kit includes:
REF 111TA1271 – Wheel assy
REF 111TA1286 – Press-on tyre: 330 x 145 x 193 mm
REF 111TA1751 – Press-on tyre: 254 x 102 x 159 mm

WHEEL KITS

Suitable for		REF kit (five per truck)	REF drive wheel	REF load wheel	REF castor wheel
Toyota	5/6FBR10	**140TA8318**	**111TA1286**	**111TA1751**	**111TA1367**
	5/6FBR13-18	**140TA8319**	**111TA1286**	**111TA1234**	**111TA1367**
	6FBRE15	**140TA8320**	**111TA1286**	**111TA1234**	-
	5/6FBR20	**140TA8321**	**140TA8331**	**111TA1376**	**111TA1370**
	7FBR10	**140TA8322**	**111TA1286**	**111TA1751**	**129TA9635**
	7FBR13-18	**140TA2225**	**111TA1286**	**111TA1234**	**129TA9635**
	7FBR20	**140TA8323**	**140TA8332**	**140TA8336**	**140TA8341**
Nissan	HC01 (1.5 - 2.0)	**140TA2226**	**111TA1286**	**111TA1751**	**111TA1271**
	HR01 (1.5 - 2.0)	**140TA8324**	**140TA8333**	**140TA8337**	**111TA1271**
Nichiyu-NYK	FBR10 (50S)	**140TA8325**	**129TA7387**	**111TA1296**	**111TA1288**
	FBR13-18 (50S)	**140TA8326**	**129TA7418**	**140TA8338**	**111TA1288**
	FBR10 (60S)	**140TA8327**	**140TA8334**	**140TA8339**	**129TA9671**
	FBR13-18 (60-75S)	**140TA8328**	**139TA9553**	**140TA8338**	**129TA9671**
	FBR20 (60s)	**140TA8329**	**111TA1321**	**140TA8340**	**111TA1351**
Komatsu	FB15RL-12	**140TA8330**	**140TA8335**	**111TA1234**	**140TA8342**

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Wheels suitable for Still, Linde and Crown

WHEEL SUITABLE FOR STILL

REF 108TA3943
- Material: polyurethane
- Mounting holes: 5
- Diameter mounting holes: 13 mm
- Center hole: 45 mm
- Diameter wheels: 230 mm
- Width: 70 mm
- Hub length: 82 mm

WHEEL SUITABLE FOR STILL

REF 129TA9552
- Material: polyurethane
- Outer diameter: 125 mm
- Width: 40 mm
- Hub length: 45 mm
- Diameter axle: 15 mm

WHEEL SUITABLE FOR STILL

REF 107TA3094
- Material: polyurethane
- Outer diameter: 150 mm
- Width: 54 mm
- Hub length: 60 mm
- Diameter axle: 20 mm

WHEEL SUITABLE FOR STILL

REF 108TA8352
- Material: vulkollan
- Outer diameter: 310 mm
- Width: 102 mm
- Hub length: 63 mm
- 2 different bearings inner diameter: 40 and 55 mm

WHEEL SUITABLE FOR STILL

REF 108TA4138
- Material: vulkollan
- Outer diameter: 343 mm
- Width: 136 mm
- Center hole: 80 mm
- Number of mounting holes: 7
- Diameter of mounting holes: 18,5 mm

WHEEL SUITABLE FOR LINDE

REF 108TA4055
- Material: vulkollan
- Outer diameter: 330 mm
- Width: 135 mm
- Center hole: 80 mm
- Number of mounting holes: 7
- Diameter of mounting holes: 15 mm

PRESS-ON TYRE SUITABLE FOR LINDE

REF 129TA7545
- Material: vulkollan
- Outer diameter: 285 mm
- Width: 100 mm
- Inner diameter: 228 mm

PRESS-ON TYRE SUITABLE FOR CROWN

REF 135TA9988
- Material: polyurethane
- Outer diameter: 330 mm
- Width: 140 mm
- Inner diameter: 241 mm

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Wheels suitable for Still, Linde and Crown

WHEEL SUITABLE FOR CROWN

REF 126TA6223
- Load wheel without bearings
- Material: polyurethane
- Outer diameter: 127 mm
- Width: 105 mm
- Bearing seat : 62 x 14 mm

WHEEL SUITABLE FOR CROWN

REF 129TA9485
- Load wheel without bearings
- Material: polyurethane
- Outer diameter: 127 mm
- Width: 73 mm
- Bearing seat: 62 x20 mm

WHEEL SUITABLE FOR CROWN

REF 129TA9755
- Load wheel
- Outer diameter: 203 mm
- Width: 102 mm
- Bearing seat: 72 x 22 mm

WHEEL SUITABLE FOR CROWN

REF 140TA2228
- Drive wheel
- Material: polyurethane
- Outer diameter: 215 mm
- Width: 68 mm
- Center hole: No
- Number of mounting holes: 4

WHEEL SUITABLE FOR CROWN

REF 115TA5825
- Drive wheel
- Material: polyurethane
- Outer diameter: 254 mm
- Width: 85 mm
- Center hole: 30 mm
- Number of mounting holes: 4
- Diameter of mounting holes: 18,8 mm

WHEEL SUITABLE FOR CROWN

REF 107TA2880
- Pallet truck wheel with waterproof bearings
- Material: polyurethane
- Outer diameter: 85 mm
- Width: 110/115 mm
- Inner diameter: 25 mm

WHEEL SUITABLE FOR CROWN

REF 129TA9448
- Pallet truck wheel without bearings
- Material: polyurethane
- Outer diameter: 90 mm
- Width: 50 mm
- Bearing seat: 55 x 21 mm

WHEEL SUITABLE FOR CROWN

REF 107TA3270
- Drive wheel with mounting holes
- Material: polyurethane
- Outer diameter: 250 mm
- Width: 82 mm
- Center hole: 80 mm
- Number of mounting holes: 5
- Diameter of mounting holes: 18,5 mm

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Wheels suitable for Still, Linde and Crown

WHEEL SUITABLE FOR CROWN

REF 107TA2872
- Pallet truck wheel with waterproof bearings
- Material: polyurethane
- Outer diameter: 85 mm
- Width: 100 mm
- Inner diameter: 20 mm

WHEEL SUITABLE FOR CROWN

REF 129TA9357
- Pallet truck wheel with roller bearings
- Material: polyurethane
- Outer diameter: 82 mm
- Width: 60 mm
- Inner diameter: 20 mm

WHEEL SUITABLE FOR CROWN

REF 129TA9608
- Load wheel with bearings
- Material: vulkollan
- Outer diameter: 150 mm
- Width: 48 mm
- Clamp length: 60 mm
- Inner diameter: 20 mm

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SUITABLE FOR EUROLIFTER

Steering wheel with bearing (200 x 50 mm)

REF 129TA9712
Polyurethane

REF 129TA9723
Nylon

Load wheel with bearing (80 x 93 mm)

REF 128TA4518
Polyurethane

REF 128TA4390
Nylon

SUITABLE FOR TOTALLIFTER

Steering wheel with bearing (180 x 50 mm)

REF 128TA4374
Polyurethane

REF 129TA9680
Nylon

Load wheel with bearing (75 x 93 mm)

REF 140TA8359
Polyurethane

REF 123TA8515
Nylon

FEM FORKS

LIFT TRUCK ATTACHMENTS

Section (mm)	Capacity (kg)	Class	Fork length							
			800 mm	900 mm	1000 mm	1070 mm	1100 mm	1150 mm	1200 mm	1300 mm
80 x 40	2000/500	2A	131TA9311	131TA9314	127TA2353		131TA9335	131TA9347	127TA2355	
100 x 35	1800/500	2A		131TA9315	131TA9321	131TA4698	131TA9336	131TA9348	131TA9356	131TA9372
100 x 40	2500/500	2A	131TA9312	131TA9316	131TA9322	131TA4700	127TA2356	131TA9349	127TA2357	131TA9373
100 x 45	3000/500	2A		131TA9317	131TA9323	131TA9333	131TA9337	131TA9350	127TA2358	131TA9374
120 x 40	3000/500	2A			131TA9324	131TA4703	131TA9338	131TA9351	131TA9357	131TA9375
125 x 40	3100/500	2A					131TA9339		131TA9358	
125 x 45	4100/500	2A		131TA9318	131TA9325		127TA2359	131TA9352	127TA2360	131TA9376
80 x 40	2000/500	2B			131TA9326		131TA9340		131TA9359	
100 x 40	2500/500	2B	131TA9313	131TA9319	131TA9327		131TA9341	131TA9353	131TA9360	
120 x 40	3000/500	2B			131TA9328			131TA9354	131TA9361	
125 x 40	3500/500	2B								
125 x 45	4000/500	2B							131TA9362	
100 x 45	3000/500	3A					131TA9342		131TA9363	
100 x 50	3900/500	3A					131TA9343		131TA9364	
125 x 45	4000/500	3A			131TA9329		131TA9344	131TA9355	127TA2361	131TA9377
125 x 50	5000/500	3A		131TA9320		131TA9334			131TA9365	131TA9378
150 x 50	5800/500	3A			131TA9330	131TA4721	131TA9345		131TA9366	
125 x 45	4000/500	3B			131TA9331		131TA9346		131TA9367	131TA9379
150 x 50	5800/500	3B							131TA9368	
150 x 50	5800/500	4A							131TA9369	
150 x 60	7000/600	4A			131TA9332	136TA8401			131TA9370	131TA9380
150 x 70	9000/600	4A							131TA9371	

Section (mm)	Capacity (kg)	Class	Fork length						
			1400 mm	1500 mm	1600 mm	1800 mm	2000 mm	2200 mm	2400 mm
80 x 40	2000/500	2A	131TA9381	131TA9395	131TA9413	131TA9430			
100 x 35	1800/500	2A	131TA9382	131TA9396	131TA9414				
100 x 40	2500/500	2A	131TA9383	131TA9397	131TA9415	131TA9431	131TA9446		
100 x 45	3000/500	2A	131TA9384	131TA9398	131TA9416	131TA9432	131TA9447		
120 x 40	3000/500	2A	131TA9385	131TA9399	131TA9417	131TA9433	131TA9448		131TA9465
125 x 40	3100/500	2A		131TA9400		131TA9434			
125 x 45	4100/500	2A	131TA9386	131TA9401	131TA9418	131TA9435	131TA9449	131TA9458	131TA9466
80 x 40	2000/500	2B							
100 x 40	2500/500	2B	131TA9387	131TA9402	131TA9419	131TA9436			
120 x 40	3000/500	2B	131TA9388						
125 x 40	3500/500	2B							
125 x 45	4000/500	2B			131TA9420	131TA9437	131TA9450		
100 x 45	3000/500	3A		131TA9403	131TA9421				
100 x 50	3900/500	3A		131TA9404		131TA9438	131TA9451		
125 x 45	4000/500	3A	131TA9389	131TA9405	131TA9422	131TA9439	131TA9452	131TA9459	131TA9467
125 x 50	5000/500	3A	131TA9390	131TA9406	131TA9423	131TA9440	131TA9453	131TA9460	131TA9468
150 x 50	5800/500	3A	131TA9391	131TA9407	131TA9424	131TA9441	131TA9454	131TA9461	131TA9469
125 x 45	4000/500	3B	131TA9392	131TA9408	131TA9425	131TA9442			
150 x 50	5800/500	3B		131TA9409	131TA9426	131TA9443	131TA9455	131TA9462	131TA9470
150 x 50	5800/500	4A	134TA2640	131TA9410	131TA9427				
150 x 60	7000/600	4A	131TA9393	131TA9411	131TA9428	131TA9444	131TA9456	131TA9463	131TA9471
150 x 70	9000/600	4A	131TA9394	131TA9412	131TA9429	131TA9445	131TA9457	131TA9464	131TA9472

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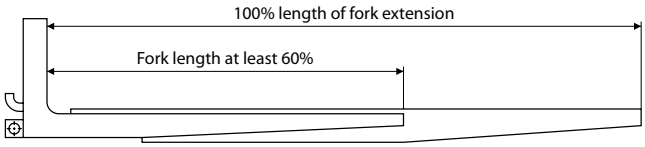
FORK EXTENSIONS



TOTAL SOURCE®

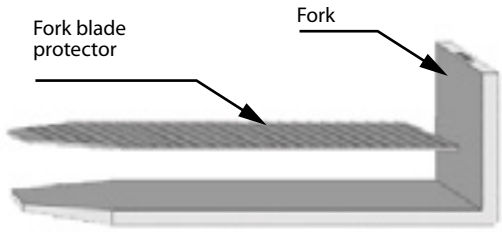
Fork section	Length of fork extension	REF
125 x 45 mm	1800 mm	**135TA1959**
150 x 50 mm	1800 mm	**140TA2192**
125 x 45 mm	2400 mm	**135TA1960**
150 x 50 mm	2400 mm	**135TA1961**
138 x 56 mm	2350 mm	**140TA2769**

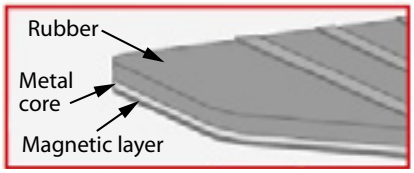
TELESCOPIC FORK

REF 140TA2769
- Capacity: 2000 kg
- Cross section: 138 x 56 mm
- Retracted fork length: 1350 mm
- Stroke: 1000 mm
- Extended fork length: 2350 mm
- Incorporated flow divider

NEW in SPC 2

ANTISCRATCH AND ANTISLIP DEVICE





Fork blade protector

- Extremely versatile
- Always ready to use
- Thin and strong
- Delivered with user manual
- Rubber, magnetic fork blade protector
- It makes loading and unloading a lot easier
- Installation requires no mechanical or electrical work
- Only a few seconds are required for fitting or removal
- The capacity of the forklift truck does not get limited in any way
- Can be adjusted to fit any kind of metal lifting fork by cutting the rubber or bending the metal strip

Application:
The antiscratch, antislip rubber magnetic fork blade protector attaches instantly when positioned on metal lifting forks, due to magnetization. The top layer is made of rubber with high-resistance chemical/physical properties and functions as the contact surface. This fork blade protector can be used on any kind of metal lifting fork device.

Length of the rubber	Length of the magnetic strip	Width of the rubber	REF
1400 mm	960 mm	80 mm	**141TA6708**
1400 mm	960 mm	98 mm	**140TA8361**
1400 mm	960 mm	118 mm	**141TA6709**
1400 mm	1150 mm	98 mm	**139TA4698**
1400 mm	1370 mm	98 mm	**139TA4699**
1550 mm	1150 mm	118 mm	**139TA4700**
1550 mm	1150 mm	148 mm	**140TA8362**
2000 mm	1650 mm	118 mm	**139TA4701**
2000 mm	1650 mm	148 mm	**139TA4702**

CHAINS

Pitch	Lacing	Pin diameter	Plate thickness	Plate depth	Pin length	Breaking strength	BL REF	REF	REF link
31,75 mm	2x2	11,1 mm	4,88 mm	29,6 mm	24,5 mm		BL1022	**107TA2165**	-
31,75 mm	2x3	11,1 mm	4,88 mm	29,6 mm	28,7 mm	150,8 kN	BL1023	**107TA2167**	-
31,75 mm	3x4	11,1 mm	4,88 mm	29,6 mm	38,6 mm	231 kN	BL1034	**107TA2171**	-
31,75 mm	4x4	11,1 mm	4,88 mm	29,6 mm	43,6 mm	303 kN	BL1044	**107TA2176**	-
31,75 mm	4x6	11,1 mm	4,88 mm	29,6 mm	53,5 mm	310 kN	BL1046	**107TA2179**	-
31,75 mm	6x6	11,1 mm	4,88 mm	29,6 mm	63,4 mm	450 kN	BL1066	**107TA2188**	-
31,75 mm	8x8	11,1 mm	4,88 mm	29,6 mm	84 mm	592 kN	BL1088	**107TA2197**	-
Chains 10 feet									
15,88 mm	3x4	5,95 mm	2,46 mm	15,1 mm	19,9 mm	65 kN	BL53410	**140TA2251**	**115TA3826**
19,05 mm	2x3	7,94 mm	3,23 mm	18,2 mm	20 mm	62 kN	BL62310	**140TA8347**	**115TA3829**
19,05 mm	3x4	7,94 mm	3,1 mm	17,8 mm	26,4 mm	93 kN	BL63410	**140TA2252**	**115TA3830**
25,4 mm	2x3	9,53 mm	4 mm	23,6 mm	24,6 mm	84,5 kN	BL82310	**140TA8344**	**115TA3834**
25,4 mm	3x4	9,53 mm	4 mm	23,6 mm	33,1 mm	175 kN	BL83410	**140TA2253**	**115TA3835**
25,4 mm	4x4	9,53 mm	4 mm	23,6 mm	37,4 mm	169 kN	BL84410	**141TA7804**	**115TA3836**
25,4 mm	4x6	9,53 mm	4 mm	23,6 mm	45,5 mm	169 kN	BL84610	**141TA7805**	**115TA3837**
31,75 mm	3x4	11,11 mm	4,88 mm	29,6 mm	38,6 mm		BL103410	**140TA2254**	**122TA5315**
31,75 mm	4x4	11,11 mm	4,88 mm	29,6 mm	43,6 mm		BL104410	**141TA7806**	**139TA3784**
31,75 mm	4x6	13,25 mm	4,7 mm	29,2 mm	49,1 mm	231,3 kN	BL104610	**140TA8346**	**122TA7687**
38,1 mm	3x4	12,71 mm	5,68 mm	35,9 mm	45,1 mm	245 kN	BL123410	**140TA2255**	**113TA1753**

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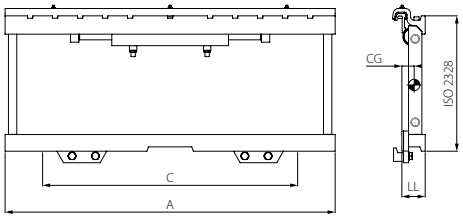
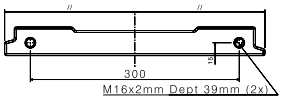
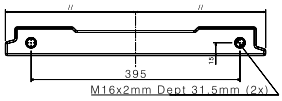
SH-SIDESHIFTERS





ISO 2328/2



ISO 2328/3

Model	Capacity kg/mm	A mm	C mm	LL mm	CG mm	Weight kg	ISO 2328 fem	Stroke mm	REF
SH-sideshifters ISO/FEM 2 with sliding pads 1 hydraulic function • Maximum pressure 200 bar • Recommended oil flow 8 l/min • C - Minimal width lift truck carriage									
SH 225.080P	2500/500	800	800	63	32	46	2	100+100	**135TA7680**
SH 225.090P	2500/500	900	800	63	32	49	2	100+100	**135TA7681**
SH 225.092P	2500/500	920	800	63	32	50	2	100+100	**135TA7682**
SH 225.094P	2500/500	940	800	63	32	51	2	100+100	**140TA2765**
SH 225.098P	2500/500	980	800	63	32	52	2	100+100	**135TA7684**
SH 225.100P	2500/500	1000	800	63	32	53	2	100+100	**135TA7685**
SH 225.102P	2500/500	1020	800	63	32	54	2	100+100	**135TA7686**
SH 225.104P	2500/500	1040	800	63	32	55	2	100+100	**135TA7687**
SH 225.107P	2500/500	1070	800	63	32	56	2	100+100	**139TA5893**
SH 225.110P	2500/500	1100	800	63	32	57	2	100+100	**135TA7688**
SH 225.115P	2500/500	1150	800	63	32	64	2	100+100	**135TA7689**
SH 225.125P	2500/500	1250	1000	63	32	66	2	100+100	**140TA2766**
SH 225.140P	2500/500	1400	1000	63	32	72	2	100+100	**139TA6398**
SH-sideshifters ISO/FEM 3 with sliding pads 1 hydraulic function • Maximum pressure 200 bar • Recommended oil flow 10 l/min • C - Minimal width lift truck carriage									
SH 335.100P	3500/500	1000	1000	68	34	65	3	100+100	**135TA7692**
SH 335.107P	3500/500	1070	1000	68	34	68	3	100+100	**140TA2767**
SH 335.110P	3500/500	1100	1000	68	34	70	3	100+100	**135TA7694**
SH 335.115P	3500/500	1150	1000	68	34	72	3	100+100	**135TA7695**
SH 335.120P	3500/500	1200	1000	68	34	75	3	100+100	**135TA7696**
SH 335.125P	3500/500	1250	1000	68	34	77	3	100+100	**135TA7697**
SH 335.130P	3500/500	1300	1000	68	34	79	3	100+100	**135TA7698**
SH 335.135P	3500/500	1350	1100	68	34	88	3	100+100	**135TA7699**
SH 335.140P	3500/500	1400	1100	68	34	90	3	100+100	**140TA2768**

PAPER ROLL CLAMPS

BALE CLAMPS

CAM PRODUCT MOVIES

PRODUCT MOVIES

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Seats and seat belts

UNIVERSAL SEAT

REF 110TA8989
- Non-suspension seat with slide rails

ES12

REF 131TA2739
- Backrest and weight adjustment
- Suspension seat
- Complete with runners

WINGBACK SEAT

REF 131TA4894
- Automatic seat belt
- Microswitch suitable for Toyota (suitable for any brand if modified)
- Adjustable back
- Adjustable slides
- Ergonomic design

SEAT BELT

REF 140TA8348

SEAT BELT

REF 140TA2222

ALR MULTIANGLE SEAT BELT

REF 110TA8613
- With switch
- Black webbing
- Automatic retractor + buckle with switch
- Bolt set included

securon

CANOPY

REF 107TA5227
- Transparent plastic
- Dimensions: 1000 x 1000 mm

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HAND PALLET TRUCKS

TOTALLIFTER®

Capacity (kg)	Dimensions (mm)	Wheel type	Extra	REF
Standard hand pallet truck				
2500	685 x 1220	Single nylon (75 mm) Single PU (75 mm)		**140TA2256** **140TA2257**
3000	685 x 1220	Single nylon (75 mm) Single PU (75 mm)		**140TA2258** **140TA2259**
2500	520 x 1150	Single nylon (75 mm) Single PU (75 mm)		**127TA1792** **127TA1794**
3000	520 x 1150	Single nylon (75 mm) Single PU (75 mm)		**140TA2260** **140TA2261**
Hand pallet truck with weighing scale				
2000	568 x 1150	Tandem PU		**140TA2262**
	703 x 1220	Tandem PU		**140TA2263**
Scissor hand pallet truck				
1000	685 x 1170	Single PU	- Max lifting height: 800 mm - Min height: 85 mm	**140TA2264**
	540 x 1170	Single PU	- Max lifting height: 800 mm - Min height: 85 mm	**133TA9279**
Mechanical lifter				
300	420 x 1100	Single PU	- Lifting height: 145 mm	**127TA1060**

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Hand pallet trucks

EUROLIFTER

Capacity (kg)	Dimensions (mm)	Wheel type	REF
Standard hand pallet truck			
2500	685 x 1220	Single PU Single nylon Tandem PU	**140TA2742** **140TA2743** **140TA2744**
3000	685 x 1220	Single PU Single nylon Tandem PU	**140TA2745** **140TA2746** **140TA2747**
2500	540 x 1120	Single PU Single nylon	**140TA2748** **140TA2749**
3000	540 x 1120	Double PU Single nylon	**140TA2750** **140TA2751**
Short forks			
2500	540 x 800 540 x 950	Nylon/single nylon Nylon/single nylon (no brand) Nylon/single nylon	**140TA2752** **140TA2753** **140TA2754**
Low profile			
2000	540 x 1150 (52 mm) 685 x 1150 (51 mm)	Tandem nylon Tandem wheel nylon	**140TA2755** **140TA2764**
Galvanized			
2000	685 x 1220	Single nylon	**140TA2756**
Stainless steel			
2000	685 x 1220 540 x 1150	Tandem nylon Tandem nylon	**124TA4757** **140TA2757**
Manual stacker			
1000	1600/560 x 1150 2500/560 x 1150	Tandem wheel (nylon) Tandem wheel (nylon)	**116TA5894** **124TA6896**
1500	1600/560 x 1150 2500/560 x 1150	Tandem wheel (nylon) Tandem wheel (nylon)	**124TA6897** **124TA6898**
500		Drum stacker	**140TA2758**
Manual stacker with adjustable forks			
1000	1600/560 x 1150 2500/560 x 1150	Nylon Nylon (fork length: 915 mm)	**140TA2759** **140TA2760**
1500	2500/560 x 1150	Nylon (fork length: 915 mm)	**140TA2761**
Semi-electric stacker			
1000	2500/560 x 1150 3000/560 x 1150	Semi electric (nylon) Semi electric (nylon)	**125TA3321** **125TA3322**
1500	2500/560 x 1150 1600/560 x 1150 3000/560 x 1150	Semi electric (nylon) Semi electric (nylon) Semi electric (nylon)	**125TA3324** **125TA3323** **125TA3325**
Semi-electric stacker with adjustable forks			
1000	3000/560 x 1150	Semi-electric (nylon)	**140TA2762**
1500	3000/560 x 1150	Semi-electric (nylon)	**140TA2763**

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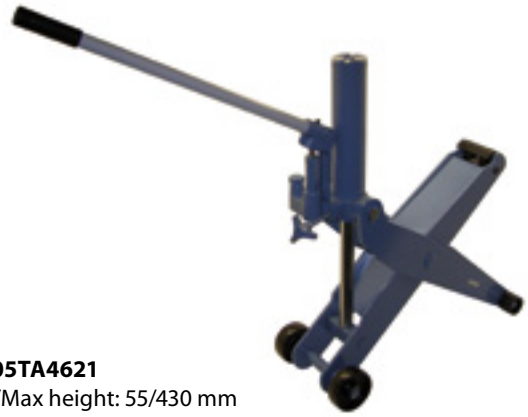
FORKLIFT JACK

REF 107TA8185
- Min/Max height: 60/360 mm
- Load capacity: 4 tons
- Weight: 31 kg

FORKLIFT JACK



REF 105TA4621
- Min/Max height: 55/430 mm
- Load capacity: 5 tons
- Weight: 38,5 kg

FORKLIFT JACK

REF 135TA2448
- Min/Max height: 25/368 mm
- Load capacity: 5 tons
- Weight: 25 kg

FORKLIFT JACK

REF 135TA2449
- Min/Max height: 30/420 mm
- Load capacity: 10 tons
- Weight: 35 kg

FORKLIFT JACK

REF 140TA2178
- Min/max height: 65/420 mm
- Load capacity: 7 tons
- Weight: 47 kg

BOTTLE JACK

REF 107TA8213
- Min/max height: 165/285 mm
- Load capacity: 20 tons
- Weight: 9,9 kg
- With a telescopic ram plunger, offers a long hydraulic stroke

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SMARTSWEEP®

REF 140TA2232

- Mechanical sweeper: can be used on diesel, LPG and electric lift trucks
- Can be mounted onto all lift trucks
- Designed for in- and outdoor use (dry conditions)
- Collects dirt and rocks

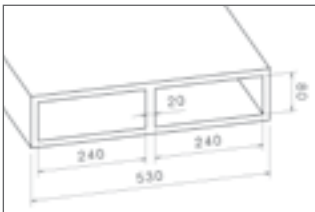
Technical information:

- Cleaning width: 1524 mm
- Main brush width: 965 mm
- Main brush diameter: 305 mm
- Side brush diameter: 458 mm
- Waste collector capacity: 400 kg
- Waste collector content: 255 litres
- Pneumatic tyres: 136 x 464 mm
- Fits max fork dimensions (W x T x L): 230 mm x 80 mm x length unrestricted
- Maximum fork spread measured over the forks: 510 mm
- Outside sweeper dimensions (WxLxH): 1524 x 1749 x 936 mm
- Weight: 473 kg
- Centre of gravity: unloaded: 1010 mm
- Centre of gravity: loaded: 1220 mm

We also supply spare parts.

Sweep your way through dust and dirt!

For all info, advantages and demo video go to www.smartsweep.com



Fits max fork dimensions (WxTxL): 230 x 80 mm x length unrestricted (open end)
Maximum fork spread measured over the forks: 510 mm (wide design)

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NEW in SPC 2

MAGNETIC SWEEPER

Any industrial truck without a magnetic sweeper is only doing half the job!

Quality magnetic road sweepers that are built to last!

- Designed for all purposes and heavy-duty use.
- Eliminate iron objects and steel trash from service/maintenance areas, lots, ramps and loading docks.
- Designed for easy mounting on push tugs, forklifts, yard trucks, etc.
- Used where steel waste causes costly damage to tyres, equipment and/or employee injury.
- Constructed from quality permanent magnets encased in aluminium.

Product features:

- Exclusive insulation process used to prevent internal damage on impact.
- Packed with highest strength magnets.
- Magnets mounted to steel frame.
- 1/2" eyebolts mounted to inner steel.
- 1/2" aluminium end caps secured with tension pins.
- Weight: 17,50 kg

Length	Ground clearance	REF
915 mm	25-75 mm	**107TA6256**
915 mm	25-125 mm	**107TA6257**

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TOTAL SOURCE®

PARTS & ACCESSORIES

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