



**TMH** 



Catalogue

REPLACEMENT PARTS FOR

**MOBILE ELEVATING WORK PLATFORMS**



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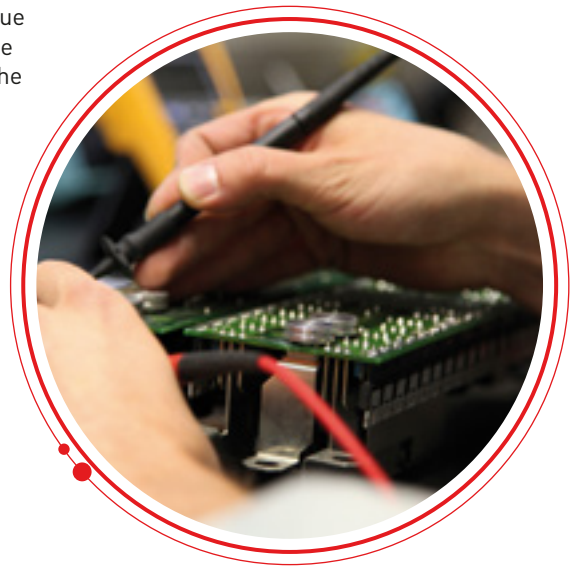




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**NICE TO KNOW**



## NICE TO KNOW



### Welcome to TVH

We are your reliable partner for parts and accessories for mobile elevating work platforms. In order to ensure that you can find everything here, we continue to expand our offer on a daily basis. Still haven't found what you are looking for or need more information? Our sales and technical departments will gladly and quickly answer all of your questions.

### Welcome to the Replacement parts for mobile elevating work platforms catalogue

This catalogue aims to give you an overview of the most common mobile elevating work platforms for which we provide parts and accessories. In total, you will find **14 makes**. For your convenience, these are arranged in alphabetical order. Each chapter is then divided into different spare parts: electrical joysticks, control boxes, printed circuit boards, motor controllers ... If you want to look up your part in this catalogue, you should first search by make, then by part.

In the back of this catalogue, you will also find **two extra chapters**, one concerning **universal parts** (15) and one on **Safety, maintenance & repair** (16). Batteries, connectors, paint and other similar product can be found in chapter 15. Battery chargers for example can be found in chapter 16.

Please note that this catalogue contains merely a selection of the parts we offer. Contact us if you haven't found what you're looking for.

If you are interested in more catalogues related to specific parts, have a look at our detailed product catalogues on our website ([www.tvh.com/downloads](http://www.tvh.com/downloads)).







## NICE TO KNOW

### French, German or Spanish?

Need this catalogue in a different language? Don't worry! This catalogue also exists in French, German and Spanish. Ask your sales advisor for a copy in your language or fill in the contact sheet on our website ([www.tvh.com/contact](http://www.tvh.com/contact)).

### How can you order the part you need?

We would like to inform you that, in addition to ordering the parts and accessories with the number found in this catalogue, you can do this in a number of other ways as well:

- With the reference of the brand, e.g. JLG 4360349
- With the reference of the parts manufacturer, e.g. Schaltbau 11603329103
- With the reference of a competitor
- With the TVH reference found in this catalogue (as we already mentioned), e.g. [150TA9746](#)

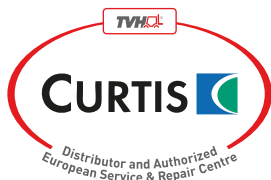
You can also place your order via our webshop MyTotalSource ([www.mytotalsource.tvh.com](http://www.mytotalsource.tvh.com)):

- Use MyProductSearch if you have the details and specifications of the part you need
- Use MyPartsFinder if you have the make, type and serial number of your mobile elevating work platform



### Repair

We offer full coverage of original parts for the following brands and many more:



### Before we send you on your way

Here and there, you will come across coloured banners. With the printed circuit boards, for example, you will find a red and an orange banner. Here, we recommend you to always look at the serial number of your mobile elevating work platform and not just the image of the printed circuit board. Although many PCBs may look similar, their functioning may actually be completely different! Do not hesitate to contact us if you are in doubt.

Should you be unable to find what you're looking for, then we can provide technical drawings on a wide variety of mobile elevating work platform parts.

**Although these electronic cards may resemble the one fitted on the mobile elevating work platform, there can be a big difference. Therefore we always ask you to supply us with part number or full vehicle details before ordering a similar unit.**

**This is just a small selection of our electronic cards. For all other types please feel free to call us!**



NOTES

A series of horizontal dotted lines for taking notes.





USED ON  
**AICHI**



## ELECTRONIC JOYSTICKS



Single-axis

Used on SV06, 08CNL,  
SV2032/263, TZ12A/ITZ40A

**REF [150TA9746](#)**



Single-axis

Used on SR21A, SP12-400C/  
SP14-460CJ, SP12C/SP14C,  
SR18, 21A(J)/ISR60, 70(J)

**REF [150TA9747](#)**



Single-axis

Used on SR14CJ, SR21A, SR14C,  
SR12C, SR12-400C/SR14-460CJ

**REF [150TA9745](#)**



Single-axis

Used on SR123/ISR403, RZ150/  
IRZ500, SR182/ISR602, SR210/  
ISR700, SR182, SR123, RZ090

**REF [145TA3097](#)**



Single-axis

Used on SR12B, ISR40B,  
SR12B(J), ISR40B(J)

**REF [150TA9743](#)**

## BELLOWS



- Biggest inner diameter top:  
6,5 mm
- Biggest inner diameter  
bottom: 32 mm
- Height: 34 mm

Used on SR21A, SP12-400C/  
SP14-460CJ, SP12C/SP14C,  
SR18, 21A(J)/ISR60, 70(J)

**REF [150TA9654](#)**



- Biggest inner diameter top:  
7 mm
- Biggest inner diameter  
bottom: 32 mm
- Height: 33,5 mm

Used on SR21A, SV06C/SV08C,  
SP18A/SP21A(J)/SP25B, SR18,  
21A(J), SV06CNL/SV08CNL

**REF [150TA9653](#)**

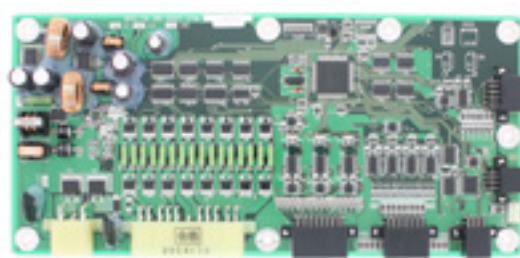


## PRINTED CIRCUIT BOARDS



Interface card

Used on SR123/ISR403, SR182/ISR602



Controller

Used on SR21A, SR18, 21A(J)/ISR60, 70(J), SR18, 21A(J)

**Although these electronic cards may resemble the one fitted on your mobile elevating work platform there can be a big difference. Therefore we always ask you to supply us with part number or full vehicle details before ordering a similar unit.**

**This is just a small selection of our electronic boards. For all other types, please feel free to call us!**



## BACK-UP ALARM



- Voltage: 12–24 V
- Volume: 85 dB
- Conformity: not approved
- Dimensions: 45,5 x Ø 46,2 mm

Used on SR21A, SR210, SR18, 21A(J)/ISR60, 70(J), SP18A/SP21A(J)/SP25B, SP25A/ISP830, SP25A

**REF [126TA6161](#)**

## CABLE LOOMS



- Cable type: cables < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 32 m
- Number of plugs: 5

Used on SR21A, SR18, 21A(J)/ISR60, 70(J), SR18, 21A(J), SP18, 21A(J)/ISP60, 70(J), SP18A(J)/SP21A(J)/SP2

**REF [165TA3832](#)**



- Cable type: cables < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 32,2 m
- Number of plugs: 5

Used on SR21A, SR18, 21A(J)/ISR60, 70(J), SR18, 21A(J), SP18, 21A(J)/ISP60, 70(J), SP18A(J)/SP21A(J)/SP2

**REF [165TA3834](#)**



- Cable type: cables < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 9,1 m
- Number of plugs: 6

Used on SV60CNL/SV08CNL

**REF [165TA3833](#)**



- Cable type: cables < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 18,65 m
- Number of plugs: 4

Used on SR12B(J)/ISR40B(J)

**REF [150TA9790](#)**



- Cable type: cables < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 18,44 m
- Number of plugs: 7

Used on SR123/ISR403

**REF [150TA9788](#)**



- Cable type: cables < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 18 m
- Number of plugs: 6

**REF [150TA9789](#)**



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 25,5 m
- Number of plugs: 6

Used on SR182/ISR602, SR182

**REF [150TA9787](#)**



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 25,86 m
- Number of plugs: 7

Used on SR182/ISR602

**REF [150TA9786](#)**





## CONTACTOR



- Voltage: 24 V
- Maximum current interrupted: 100 A
- Maximum current uninterrupted: 100 A
- Magnetic blowouts: no
- Dust cover: enclosed version

Used on SR123/ISR403, RZ150/IRZ500, SR210/ISR700, SR182/ISR602, SR123J/ISR403J

**REF [165TA3835](#)**

## RELAYS



Voltage: 24 V

Used on SR18, 21A(J)/ISR60, 70(J), SP18A/SP21A(J)/SP25B, SP18, 21A(J)/ISP60, 70(J), SR18, 21A(J)

**REF [150TA9645](#)**



Voltage: 24 V

Used on SR21A, SV06C/SV08C, SR18, 21A(J)/ISR60, 70(J), SP18A/SP21A(J)/SP25B, SP18, 21A(J)/ISP60, 70(J), SR18, 21A(J)

**REF [131TA2686](#)**



Voltage: 24 V

Used on SR123/ISR403, SR123J/ISR403J, RZ090

**REF [165TA2432](#)**



Voltage: 24 V

Used on SR123/ISR403, SR123J/ISR403J

**REF [150TA9644](#)**

## DASHBOARD WARNING LIGHTS



Built-in diameter: 11 mm

Used on SR21A, SV06C/SV08C, SR12B(J)/ISR40B(J), TZ12A/ITZ40A, TZ15B/ITZ50B

**REF [150TA9587](#)**



Lens colour: green

Used on SV06, 08CNL/SV2032, 263, SV06C/SV08C, SV06CNL/SV08CNL

**REF [165TA3836](#)**





## CONTROL PANEL HOUSING



- Length: 220 mm
- Width: 225 mm
- Height: 120 mm

Used on SV06C/SV08C,  
SV06CNL/SV08CNL

**REF [150TA9631](#)**

## PROTECTIVE COVER



- Length: 216 mm
- Width: 125 mm
- Height: 176 mm

Used on SV06CNL, SV08CNL,  
SV06C, SV08C

**REF [150TA9744](#)**

## SERVOMOTOR



- Voltage: 24 VDC
- Length: 140 mm
- Width: 120 mm
- Height: 150 mm

**REF [150TA9552](#)**

## ELECTRIC MOTOR



- Minimum voltage: 12 VDC
- Total length: 140 mm
- Diameter: 106 mm
- Cable length: 690 mm

Used on SR12B(J)/ISR40B(J)

**REF [150TA9593](#)**

## LINEAR ACCELERATOR



Dimensions: 215 x 88 x 50 mm

**REF [165TA3837](#)**



## KEY SWITCHES



- Number of positions: 5
- Built-in diameter: 22 mm
- With key number: K30

Used on SR21A, SR18, 21A(J)/ISR60, 70(J), SP18, 21A(J)/ISP60, 70(J), SR18, 21A(J)/SP25B, SP18, 21A(J)/ISP60, 70(J)/SP2, SP25A/ISP830

**REF [110TA7785](#)**

### Spare part key



**REF [110TA3109](#)**



- Number of positions: 3
- Built-in diameter: 22 mm
- With key number: 6896

Used on SR12-400C/SR14-460CJ, SV06C/SV08C, SP12V/SP14C, SV06-08CNL/SV2032-263, SR14CJ, SR14C, SR12C

**REF [150TA9633](#)**

### Spare part key



**REF [141TA2679](#)**

## EMERGENCY SWITCH



- Built-in diameter: 22 mm
- Current: 10 A
- Voltage: 600 VAC
- NC contact

Used on SP25A/ISP830, SR12B(J)/ISR40B(J), SP350, SR123/ISR403

**REF [146TA4839](#)**



## LIMIT SWITCHES



- Number of NO contacts: 4
- Number of NC contacts: 2
- Current: 5 A

Used on SR182/ISR602, SR210/ISR700, SR123/ISR403, RZ090

**REF [146TA8300](#)**



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 2 A

Used on SR14CJ, SR21A, SR14C, SR12C, SR12-400C/SR14-460CJ, SV06C/SV08C, SP12C/SP14C, SP18A/SP21A(J)/SP25B

**REF [146TA8337](#)**



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 2 A

Used on SR14CJ, SR14C, SR12C, SR12-400C/SR14-460CJ

**REF [146TA8340](#)**



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 3 A

Used on SR123/ISR403, RZ150/IRZ500, RZ150, SR210/ISR700, SR182/ISR602, RV093/IRV303-90, RV123/IRV403-90

**REF [127TA2381](#)**



TOGGLE SWITCHES						
	Position	Number of connections	Voltage V	Current A	Used on	REF
	On-off-on	3	125/250	6	SV06C/SV08C, SV06CNL/SV08CNL, SR123, SR182, SV06-08CNL/SV2032-263	<a href="#">146TA8322</a>
	On-on	3	125/250	6	SR14CJ, SR21A, SR12C, SR12-400C, SR14-460CJ, SV06C/SV08C, SP12C/SP14C, SR210, SR18-21A(J)/ISR60-70(J)	<a href="#">146TA8323</a>
	On-off-on	3	125/250	6	SR14CJ, SR21A, SR12C, SR12-400C, SR14-460CJ, SR210, SR18-21A(J)/ISR60-70(J), SP18A/SP21A(J)/SP25B	<a href="#">146TA8324</a>
	On-off-on	3	125/250	6	SR14CJ, SR21A, SR12C, SR12-400C, SR14-460CJ, SP12-400C/SP14-460CJ, SV06C/SV08C, SP12C/SP14C	<a href="#">146TA8325</a>
	On-off-on	6	125/250	6	SR14CJ, SR21A, SR12C, SR12-400C, SR14-460CJ, SP12-400C/SP14-460CJ, SR210, SP12C/SP14C	<a href="#">146TA8328</a>

### SPECIAL NUT

Used on SR14CJ, SR21A, SR14C, SR12C, SV06C/SV08C, SP12C/SP14C, SR18-21A(J)/ISR60-70(J), SP18A/SP21A(J)/SP25B

**REF [150TA9719](#)**

### RUBBER CAP

- Diameter: 16 mm
- Height: 13 mm

Used on SR210, SR12B(J)/ISR40B(J), SR123/ISR403

**REF [150TA9655](#)**



## FOOT SWITCHES



Used on SR123/ISR403, RZ150/IRZ500, SR210/ISR700

**REF [146TA8356](#)**



Used on SR21A, SR12-400C/SR14-460CJ, SP18, 21A(J)/ISP60, 70(J), SP12C/14C, SP25A/ISP830, SP25A, SP350

**REF [146TA9481](#)**



Foot switch cover

Used on SR210, SP25A/ISP830, SP25A, SR12B(J)/ISR40B(J), RZ150, SR210/ISR700, RZ090, RV123/IRV403-90

**REF [150TA9676](#)**

## BUTTONS



- NO contact
- Current: 10 A
- Voltage: 600 V

Used on SR14CJ, SR21A, SR12C, SR12-400C/SR14-460CJ, SR18, 21A(J)/ISR60, 70(J)

**REF [146TA8330](#)**



- NO contact
- Current: 10 A
- Voltage: 600 V

Used on SR210, SR123/ISR403, RZ150/IRZ500, RZ150, SR210/ISR700, SR182/ISR602, SR123/ISR403J

**REF [146TA8331](#)**

## SWITCH



Single-axis

Used on SV06CNL, SV08CNL

**REF [165TA3838](#)**





## PROXIMITY SENSORS



- Height: 93 mm
- Length: 150 mm
- Voltage: 24 VDC
- Switch type: stroke sensor

Used on SP18, 21A(J)/ISP60, 70(J), TZ12A/ITZ40A, TZ15B/ITZ50B, SR21A, SR18A/SP21A(J)/SP2, SR18(J)/SR21A(J)

**REF [150TA9640](#)**



- Height: 150 mm
- Length: 150 mm
- Voltage: 24 VDC
- Switch type: distance sensor

Used on SR12A, SP18A/SP21A(J) SP25B, SP18-21A(J)/ISP60-70, SR18-21A(J), SP18A(J)/SP21A(J)/SP2, SR18A(J)/SR21A(J)

**REF [150TA9670](#)**

## TILT SENSOR



- Dimensions: 52,5 x 48 mm
- Detection: 5°
- Switch type: angle sensor

Used on SR21A, SR12-400C/SR14-460CJ, SP18, 21A(J)/ISP60, 70(J), SP12C/14C, SP25A/ISP830, SP350, RZ150/IRZ500, SR123/ISR403

**REF [150TA9671](#)**

## LENGTH SENSORS



- Housing diameter: 180 mm
- Number of pins: 4
- Switch type: length sensor

Used on SP18A(J)/SP21A(J)/SP2, SR18A(J)/SR21A(J)

**REF [165TA3839](#)**



- Housing diameter: 160 mm
- Number of pins: 4
- Switch type: length sensor

Used on SP18, 21A(J)/ISP60, 70(J), SP25A/ISP830, SP25A, SP350, SP350/ISP1150, SR18, 21A(J)/ISR60, 70(J)

**REF [150TA9642](#)**

## ANGLE SENSOR



- Diameter shaft: 6 mm
- Cable length: 205 mm
- Number of pins: 3

Used on SR21A, SP18A/SP21A(J)/SP25B, SR18, 21(J), TZ12A/ITZ40A, TZ16, 20A/ITZ52, 65A, SP18, 21A(J)/SP2

**REF [150TA9641](#)**



## HOUR METER



- Voltage: 12–60 VDC
- Depth: 23,8 mm
- Width: 35,4 mm
- Length: 54 mm

Used on SR14CJ, SR21A,  
SR12C, SR12-400C/  
SR14-460CJ, SP12C/SP14C

**REF [112TA4854](#)**

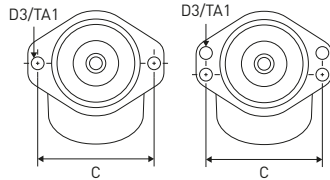


## HYDRAULIC MOTOR



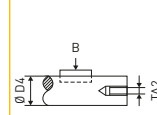
### Type of flange

#### Type A



### Type of shaft

#### Type F



- Thread connections: 1/2" BSP
- Type of flange: A
- Type of shaft: F
- Total length: 190 mm

Used on SR210, SR182/ISR602, SR210/ISR700, SR182, SR123/ISR403, SR123/ISR403J

**REF [150TA9739](#)**

## HYDRAULIC PUMPS



- Total length: 313 mm
- Neck diameter: 101,5 mm
- Direction of rotation: CW
- Material of the housing: metal

Used on SR182/ISR602, SR182

**REF [150TA9742](#)**



- Total length: 332,5 mm
- Neck diameter: 101,6 mm
- Direction of rotation: CW
- Material of the housing: metal

Used on SR210, RZ150/IRZ500, SE210/ISR700

**REF [150TA9741](#)**



- Total length: 265 mm
- Neck diameter: 82,5 mm
- Direction of rotation: CW
- Material of the housing: metal

Used on SR123/ISR403, RZ090, SR123J/ISR403J

**REF [150TA9740](#)**

## HYDRAULIC PUMP GROUPS



- Relais: 24 VDC
- Electric motor: 1,7 kW

Used on ISR60/70, SR18A(j)/SR21A, SP18A/SP21A(j), SP25B, SP25A, SP350, TZ12A, TZ16, TZ20A, TZ15B

**REF [150TA9737](#)**



- Relais: 12 VDC
- Electric motor: 0,9 kW

Used on SR12/400C, SR14/460C, SR12C, SR14C, SR14CJ, SP12C, SP14C

**REF [165TA3840](#)**



## PRESSURE VALVES (FLOW)



- Thread: M30 x 1,5 mm
- Length: 124 mm

Used on SR123/ISR403, RZ090, SR123J/ISR403J

**REF [150TA9690](#)**



- Valve code: 26560-25001
- Length: 160 mm

Used on SR210, SP25A/ISP830, SP25A/ISP830, SR182/ISR602, SR210/ISR700, SP350/ISP1150

**REF [165TA3844](#)**

## CONTROL VALVE



Dimensions: 123 x 99 mm

Used on SR12B(J)/ISR40B5(J)

**REF [165TA3842](#)**

## SOLENOID VALVES



Length: 112,5 mm

Used on SR210, SR123/ISR403, SR210/ISR700, SR182/ISR602, RV093-123/IRV303-403-90

**REF [165TA3841](#)**



Length: 135 mm

Used on SR21A, SR18-21A(J)/ISR60-70(J), SR18-21A(J), SP18-21A(J)/ISR60-70(J)

**REF [165TA3843](#)**



## CARTRIDGES WITH COIL



Length: 212 mm

Used on SP18A/SP21A(J)/  
SP25B, SR18-21A(J),  
SR18-21A(J)/ISR60-70(J)

REF [150TA9597](#)



Length: 213 mm

REF [150TA9596](#)

Cartridges exist in a variety of dimensions and wiring diagrams. When placing an order, always provide the necessary info with regard to the wiring diagram, as cartridges may have identical dimensions yet be connected in different ways.

## COIL



- Height: 52 mm
- Diameter: 16,1 mm
- Voltage: 12 V
- Resistance: 11,8 Ω

Used on SR14CJ, SR14C,  
SR12C

REF [165TA3845](#)

## GEAR



- Outer diameter: 164 mm
- Total height: 112,8 mm
- Number of teeth: 30

Used on SR210, SP25A/ISP830,  
SP25A, SP350, SR123/ISR403,  
SR182/ISR602, SR210/ISR700,  
SR182, SR123J/ISR403J

REF [165TA3847](#)

## HYDRAULIC HOSES



- Length: 715 mm
- Pressure: 175 bar

REF [150TA9735](#)



- Length: 15 620 mm
- Pressure: 155 bar

Used on SR21A, SR18-21A(J)/ISR60-70(J), SR18-21A(J),  
SP18-21A(J)/SP2, SP18-21A(J)/ISP60-70(J)

REF [165TA3846](#)





## SYNFLEX HOSES



- Hydraulic hose
- Length: 13,4 m
- Pressure: 210 bar
- Coupling: 2 x 1/4" BSP

Used on SR14J, SR14C, SR12C

**REF [150TA9736](#)**



- Hydraulic hose
- Length: 7,5 m
- Pressure: 210 bar
- Coupling: 2 x 1/4" BSP

Used on SR123/ISR403, SR123

**REF [165TA3850](#)**

## GLASS LEVEL GAUGE



- Length: 102 mm
- Width: 20 mm
- Without thermometer

Used on SR210, SR123/ISR403, RZ150/IRZ500, RZ150, RZ090, SR182/ISR602

**REF [165TA3848](#)**

## GREASE NIPPLE



- Total height: 76 mm
- Key width: 17 mm
- Thread: M16 x 1,5 mm

Used on SR12B(J)/ISR40B(J)

**REF [165TA3851](#)**

## FITTING FOR HYDRAULIC CIRCUIT



Hydraulic fitting: 1/2" BSP

**REF [150TA9599](#)**

## PINION SHAFT



- Outer diameter: 70 mm
- Total height: 240 mm
- Number of teeth: 17

Used on SR21A, SR18, 21A(J)/ISR60, 70(J), SP18, 21A(J)/ISP60, 70(J), SR18, 21A(J)

**REF [165TA3849](#)**

## FILLER CAP



- Height: 30 mm
- Outer diameter: 97,5 mm
- Inner diameter: 60 mm

Used on SR21A, SP18A/ST21A(J)/SP25B, SR18, 21A(J), SR18A(J)/SP21A(J)/SP2, SR18A(J)/SR21A(J)

**REF [150TA9784](#)**



## MUFFLER



- Total length: 430 mm
- Diameter body: 225 mm
- Outer diameter smallest tube: 55 mm
- Outer diameter biggest tube: 61 mm

Used on SP18A(J)/SP21A(J)/SP2, SR18A(J)/SR21A(J)

**REF [165TA3852](#)**

## EXHAUST PIPE



- Length: 185 mm
- Outer diameter smallest tube: 43 mm
- Outer diameter biggest tube: 43 mm

Used on SP18A(J)/SP21A(J)/SP2, SR18A(J)/SR21A(J)

**REF [165TA3855](#)**

## FUEL PUMP



- Voltage: 24 V
- Total height: 97 mm
- Centre distance: 66 mm
- Number of holes: 2

Used on SR18A, 21A(J)/ISR60, 70(J)

**REF [165TA3853](#)**

## TIMING BELT SET



- Number of teeth: 91
- Dimensions: 72 x 33 mm

**REF [151TA2356](#)**

## ENGINE STOP COIL



- Voltage: 24 V
- Type of current: DC
- Function: pull
- Mounting side: both sides
- Length: 146 mm

Used on SR123/ISR403, RZ090, SR123J/ISR403J

**REF [165TA3854](#)**

## ALTERNATORS



- Voltage: 24 V
- Current: 15 A
- Centre distance: 155 mm

**REF [103TA3638](#)**



- Voltage: 24 V
- Current: 20 A
- Centre distance: 148 mm

**REF [165TA3856](#)**



## STARTERS



- Voltage: 24 V
- Power: 3,5 kW
- Number of teeth: 9

**REF [165TA3857](#)**



- Voltage: 24 V
- Power: 4,5 kW
- Number of teeth: 9

**REF [165TA3858](#)**



## DOOR HANDLE



- Length: 54 mm
- Width: 45 mm

Used on SR123/ISR403, RZ090, SR123, ST123J/ISR403J

REF [150TA9749](#)

## WEAR PADS

	Length mm	Material	Used on	REF
	42,5	Plastic	SR210, RZ150, RZ150/RZ500, SR210/ISR700, SR182/ISR602,SR182	<a href="#">150TA9619</a>
	43	Plastic	SR123/ISR403, RZ090, SR123J/ISR403J, SR123	<a href="#">150TA9621</a>
	60	Plastic	SR18,21A(J)/ISR60,70(J), SR18, 21A(J), SP18, 21A(J)/ISP60, 70(J)	<a href="#">150TA9622</a>
	80	Plastic	SR123/ISR403, RZ090, SR123/ISR403-90, SR123	<a href="#">150TA9700</a>
	100	Plastic	SR210, SP350, RZ150, RZ150/IRZ500, SR182/ISR602, SR210/ISR700	<a href="#">150TA9617</a>



WEAR PADS				
	Length mm	Material	Used on	REF
	100	Plastic	SR21A, SR18,21A(J)/ISR60, 70(J), SP18A/SP21A(J)/SP25B	<a href="#">150TA9613</a>
	100	Plastic	SR210, RZ150/IRZ500, SR210/ISR700, SR182/ISR602, SR182	<a href="#">150TA9699</a>
	100	Plastic	SR210, SRZ150/IRZ500, RZ150, SR182/ISR602, SR210/ISR700, SR182	<a href="#">150TA9624</a>
	150	Plastic	SR123/ISR403, SR123J/ISR403J, RZ090, SR123	<a href="#">150TA9612</a>
	185	Plastic	SR21A, SR18,21A(J)/ISR60, 70(J), SP18A/SP21A(J)/SP25B, SR18, 21A(J)	<a href="#">150TA9703</a>

## CABLE GUIDE



- Outside dimensions: 95 x 48 mm
- Inside dimensions: 76 x 35 mm
- Material: plastic
- Quantity of links: 142

Used on SR14CJ, SR12C

REF [165TA3859](#)





## UPRIGHT PARTS



- Length: 153 mm
- Width: 34 mm
- Height: 83 mm

Used on SP12-400C/SP14-460CJ

**REF [165TA3860](#)**



- Diameter: 80 mm
- Height: 9 mm

Used on SR18-21A(J)/  
ISR60-70(J), SP18-21A(J)/  
ISR60-70(J), SR12B(J)/ISR40B(J)

**REF [150TA9678](#)**

## CHASSIS ACCESSORY



- Length: 680 mm
- Height: 430 mm

Used on SV06CNL/SV08CNL

**REF [165TA3862](#)**

## SUPPORTS - PIECES OF CONNECTIONS



- Number of holes: 2
- Material: cast iron

Used on SR123/ISR403, RZ090

**REF [150TA9610](#)**



- Number of holes: 4
- Material: metal

Used on SP25A/ISP830, SP25A,  
SP350, SR123/ISR403, SP350/  
ISP1150, SR123J/ISR403J

**REF [150TA9683](#)**



- Number of holes: 4
- Material: metal

Used on SR21A, SR18-21A(J)/  
ISR60-70(J), SP18-21A(J)/  
SP25B, SR18-21A(J)

**REF [165TA3861](#)**



- Number of holes: 4
- Material: metal

Used on, SR18-21A(J)/  
ISR60-70(J), SP18-21A(J)/  
ISR60-70(J), SR21A, SR12B(J)/  
ISR40B(J), SP18-21A(J)/SP25B

**REF [150TA9684](#)**



## HINGES



- Length: 48 mm
- Width: 40 mm
- Height: 20 mm
- Diameter of the holes: 5 x 12 mm

Used on SR14CJ, SR12A, SR210, SR18-21A(J)/ISR60, 70(J), SR18-21A(J), SP25A/ISP830

**REF [150TA9750](#)**



- Length: 60 mm
- Width: 40 mm
- Height: 10,5 mm
- Diameter of the holes: 6 x 4,3 mm

Used on SR12B(J)/ISR40B(J)

**REF [150TA9752](#)**

## COVER



- Total length: 8,2 mm
- Inner diameter: 70 mm
- Outer diameter: 140 mm

Used on SR210, SR123/ISR403, SR182/ISR602, SR210/ISR700, SR182

**REF [150TA9591](#)**

## BALL SCREW



- Total length: 179 mm
- Diameter shaft: 50 mm
- Length of the screw: 70 mm

Used on SR210, SR123/ISR403, SR182

**REF [150TA9686](#)**

## HOSE REEL SHEAVE



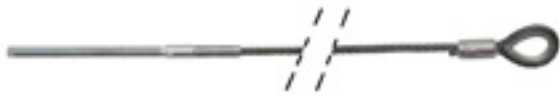
- Inner diameter: 15,4 mm
- Outer diameter: 45 mm
- Width: 16,8 mm
- Material: plastic

Used on SR21A, SP18A/SP21A(J)/SP25B, SR18, 21A(J), SP18, 21A(J)/ISP60, 70(J), TZ16, 20A/ITZ25-65A

**REF [165TA3863](#)**



## STEEL CABLES



- Total length: 4225 mm
- Diameter: 8,3 mm

Used on SR123/ISR403, SR123, SR 123J/ISR403J

**REF [150TA9765](#)**



- Total length: 8100 mm
- Diameter: 12,3 mm

Used on SR123/ISR403, SR123, SR 123J/ISR403J

**REF [150TA9764](#)**



- Total length: 8320 mm
- Diameter: 12,3 mm

Used on SR12B(J)/ISR40B(J)

**REF [165TA3864](#)**



## GAS SPRING



- Type of spring: push type
- Centre distance: 670 mm

Used on SR210, SE12B(J)/ISR403, RZ150, SR210/ISR700, SR182/ISR602, RZ090

**REF [150TA9706](#)**



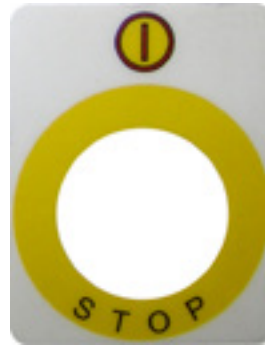
## DECALS



- Length: 101 mm
- Height: 64 mm

Used on SR14CJ, SR14C, SR12C, SP12-400C/SP14-460CJ

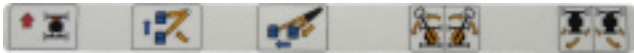
REF [163TA3962](#)



- Length: 70 mm
- Height: 90 mm

Used on SR21A, SP12C/SP14C, SR18-21A(J)/ISR60, 70(J), SP18A/SP21A(J)/SP25B, SR18, 21A(J)

REF [138TA2576](#)



- Length: 440 mm
- Height: 32 mm

Used on SP18-21A(J)/SP60, 70(J), SP12C/SP14C, SP18-21A(J)/SP25B

REF [138TA2883](#)



- Length: 440 mm
- Height: 32 mm

Used on SP18-21A(J)/SP60, 70(J), SP12C/SP14C, SP18-21A(J)/SP25B

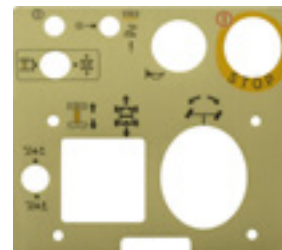
REF [165TA3865](#)



- Length: 535 mm
- Height: 133 mm

Used on SP18-21A(J)/SP60, 70(J), SP12C/SP14C, SP18-21A(J)/SP25B

REF [138TA2884](#)



- Length: 206 mm
- Height: 200 mm

Used on SV06CNL/SV08CNL

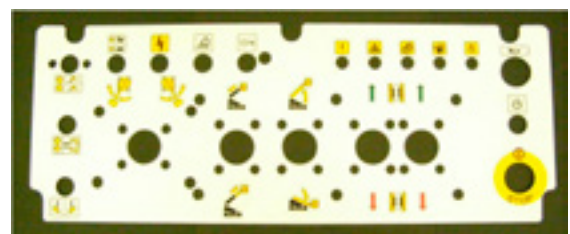
REF [138TA3335](#)



- Length: 95 mm
- Height: 161 mm

Used on SR14CJ, SR14C, SR12C, SP12-400C/SP14-460CJ

REF [150TA9630](#)



- Length: 590 mm
- Height: 224 mm

Used on SR12B(J)/ISR40B(J)

REF [138TA1767](#)





## DECALS



- Length: 720 mm
- Height: 190 mm

Used on SR123/ISR403

**REF [150TA9794](#)**



- Length: 534 mm
- Height: 133 mm

Used on SR21A, SR18-21A, SR18, 21A(J), SR18A(J)/SR21A(J)

**REF [126TA9587](#)**



- Length: 395 mm
- Height: 32 mm

Used on SR21A, SR18-21A, SR18, 21A(J), SR18A(J)/SR21A(J)

**REF [126TA9589](#)**



- Length: 395 mm
- Height: 32 mm

Used on SR21A, SR18-21A, SR18, 21A(J), SR18A(J)/SR21A(J)

**REF [126TA9588](#)**



### PNEUMATIC TYRE



- Skid steer tubeless pneumatic tyre
- Dimensions: 385 x 65 x 19,5

Used on SP18A-21A(J)/SP25B, SP18, 21A(J)/ISP60, 70(J)

**REF [165TA3868](#)**

### TRACTION WHEEL



- Diameter wheel: 406 mm
- Number of bolt holes: 5
- Width wheel: 127 mm
- Shaft hole diameter: 95 mm

Used on SV06CNL/SV08CNL

**REF [150TA9693](#)**

### ANTI-PUNCTURE TYRE



Used on SP18A-21A(J)/SP25B, SP18, 21A(J)/ISP60, 70(J)



**REF [165TA3869](#) - LH**  
**REF [165TA3870](#) - RH**


### TRACK ROLLERS

	Maximum diameter mm	Total width mm	Smallest centre distance between mounting holes mm	Largest centre distance between mounting holes mm	Used on	REF
	76	183			SR14CJ, SR14C, SR12C, SR12B(J)/ISR40B(J)	<b><a href="#">143TA8888</a></b>
	100	190	50	147	SR12B(J)/ISR40B(J)	<b><a href="#">165TA3866</a></b>
	116	196	42	110	SR12, SR210, SR18A/SR21A, SR182, SR182/ISR602, SR210/ISR700	<b><a href="#">165TA3867</a></b>
	134	146			SR12B(J)/ISR40B(J), SR14CJ, SR14C, SR12C	<b><a href="#">143TA8869</a></b>






TRACK ROLLERS						
	Maximum diameter	Total width	Smallest centre distance between mounting holes	Largest centre distance between mounting holes	Used on	REF
	mm	mm	mm	mm		
	134	193	51	150	SR14CJ, SR14C, SR12C	<a href="#">143TA8850</a>
	135	176	50	148,3	SR12B(J)/ISR40B(J)	<a href="#">143TA8849</a>
	158	235	90	204	SR123/ISR403, RV093, SR123/IRV303, 403-90, RZ090, RV123/IRV403-90, SR123	<a href="#">144TA6599</a>
	164,5	278	102	239	SR210, SR182, SR18A/SR21A, SR182/ISR602, SR210/ISR700	<a href="#">143TA8566</a>

TRACK SPROCKETS						
	Number of teeth	Number of mounting holes	Inner diameter	Outer diameter	Used on	REF
			mm	mm		
	19	9	230	429	SR14CJ, SR14C, SR12C, SR12B(J)/ISR40B(J)	<a href="#">143TA9072</a>
	21	15	325	603	SR18A/SR21A	<a href="#">143TA9013</a>

IDLER	
	<ul style="list-style-type: none"> <li>· Total height: 600 mm</li> <li>· Diameter of the wheel: 380 mm</li> </ul> <p>Used on SR14CJ, SR14C, SR12C, SR12B(J)/ISR40B(J)</p> <p>REF <a href="#">143TA9565</a></p>



RUBBER TRACKS NON-MARKING						
	Colour	Width mm	Number of links	Pitch length mm	Type	REF
	White	150	45	60	X40RC, X40RC3	<a href="#">165TA3871</a>
	White	200	42	72	RV040, RV041, RM040	<a href="#">165TA3872</a>
	White	200	56	72	RV060, RV061, RX061	<a href="#">134TA8201</a>

TRACK PARTS	
 <ul style="list-style-type: none"> <li>· Rubber clip-on pad for steel plate</li> <li>· Width: 450 mm</li> </ul> <p>REF <a href="#">165TA3873</a></p>	 <ul style="list-style-type: none"> <li>· Rubber clip-on pad for steel plate</li> <li>· Width: 500 mm</li> </ul> <p>REF <a href="#">152TA2180</a></p>

UNDERCARRIAGE PART	
 <ul style="list-style-type: none"> <li>· Total length: 190 mm</li> <li>· Diameter mounting holes: 34,8 – 22 – 12,2 mm</li> </ul> <p>Used on SR14CJ, SR14C, SR12C, SR12B(J)/ISR40B(J)</p> <p>REF <a href="#">165TA3874</a></p>	



NOTES

A series of horizontal dotted lines for taking notes.





USED ON  
**DINOLIFT**



## ELECTRONIC JOYSTICKS



Dual-axis

Used on 125T, 150T, 180T, 230T,  
180XT, 210XT

**REF [147TA5965](#)**



Dual-axis, 4-way

Used on 105T, 125T, 150ZX

**REF [164TA9756](#)**



- CAN bus output J1939
- Address 0 x 34
- Circle axes
- Left-hand sided

Used on 260XTD

**REF [147TA5970](#)**



- CAN bus output J1939
- Address 0 x 33
- Circle axes
- Right-hand sided

Used on 260XTD

**REF [147TA5968](#)**



Left-hand sided, dual-axis

Used on 260XT

**REF [147TA5969](#)**



- Circle axis xy
- Analog output
- For control panel on the right side

Used on 205RXT, 240RXT

**REF [147TA5966](#)**



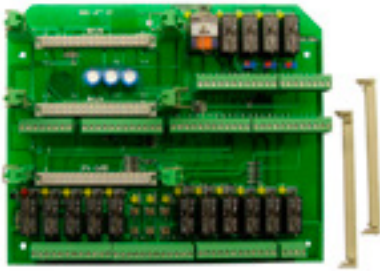
Right-hand side, dual-axis

Used on 135T, 150T, 180T, 230T,  
160XT, 180XT, 210XT, 205RXT,  
240RXT

**REF [147TA5967](#)**

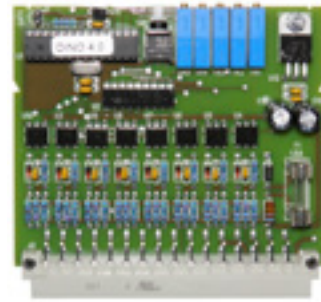


## PRINTED CIRCUIT BOARDS



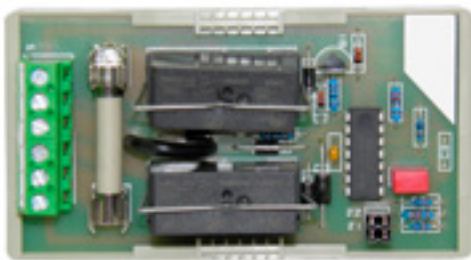
Circuit board

Used on 180XT, 210XT



Processor card

Used on 180XT, 210XT



Timer card

Used on 135T, 150T, 180T, 160XT, 180XT, 210XT

Although these electronic cards may resemble the one fitted on your mobile elevating work platform there can be a big difference. Therefore we always ask you to supply us with part number or full vehicle details before ordering a similar unit.

This is just a small selection of our electronic boards. For all other types, please feel free to call us!

## CONTROL CARD



Used on 125T, 135T, 150T, 180T, 230T, 160XT, 180XT, 210XT

REF [147TA6038](#)



## POWER SUPPLY



- Minimum voltage: 115 V
- Type of voltage: AC
- Outgoing voltage: 13,7 V
- Number of terminals: 10

Used on 105T, 135T, 230T, 150T, 180T, 160XT, 180XT, 210XT

**REF [147TA5924](#)**

## BUTTON



- Diameter: 22 mm
- Length: 30 mm

Used on 135T, 150T, 180T, 230T, 160XT, 180XT, 210XT, 205RXT, 240RXT

**REF [147TA6097](#)**

## BATTERY CHARGER



- Input: 230 VAC, 50/60 Hz
- Output 12 VDC, 4 A
- Dimensions: 110 x 78 mm

Used on 135T, 150T, 180T, 230T, 160XT, 180XT, 210XT, 260XT, 205RXT, 240 RXT

**REF [147TA6007](#)**

## CABLE AND CONNECTOR



- Cable type: cables < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length of the cables: 10 m
- Number of plugs: 1

**REF [147TA5989](#)**

## CONDENSERS



- Capacity: 4700 µF
- Tolerance: 20%
- Voltage: 40 V

Used on 105T, 125T, 150T, 180T, 230T, 260XT, 205RXT, 240RXT, 150ZX

**REF [147TA6090](#)**



- Capacity: 30 µF
- Tolerance: ± 5%
- Voltage: 400/450 VAC
- Frequency: 50 Hz

**REF [147TA5920](#)**





## AUTOMATIC FUSES



- Type of fuse: fault current safety switch
- Voltage: 230 VAC
- Current: 40 A

Used on 125T, 135T, 150T, 180T, 230T, 160XT, 180XT, 210XT, 260XT, 150ZX

**REF [146TA8809](#)**



- Type of fuse: fuse with push button
- Voltage: 240 VAC/48 VDC
- Current: 5 A

Used on 125T, 135T, 150T, 180T, 230T, 160XT, 180XT, 210XT, 260XT, 205RXT, 240RXT, 150ZX

**REF [147TA5939](#)**

## RELAYS



- Type of relay: contactor
- Voltage: 12 V
- Type of voltage: DC
- Current: 20 A

Used on 105T, 125T, 135T, 150T, 180T, 230T, 160XT, 180XT, 210XT, 260XT, 205RXT, 240RXT

**REF [147TA5921](#)**



- Type of relay: contactor
- Voltage: 12 V
- Type of voltage: DC
- Current: 20 A

Used on 105T, 125T, 135T, 150T, 180T, 160XT, 180XT, 210XT, 150ZX

**REF [147TA6046](#)**



- Type of relay: emergency stop relay
- Voltage: 12 V
- Type of voltage: DC
- Current: 6 A

Used on 105T, 125T, 135T, 150T, 180T, 230T, 160XT, 180XT, 210XT, 260XT, 205RXT, 240RXT, 150ZX

**REF [147TA6050](#)**



- Type of relay: mini-relay
- Voltage: 24 V
- Type of voltage: DC
- Current: 40/30 A

Used on 105T, 125T, 150T, 180T, 210XT, 160XT, 180XT, 205RXT, 240RXT, 150ZX

**REF [147TA6049](#)**



- Type of relay: printed circuit board
- Voltage: 12 V
- Type of voltage: DC
- Current: 12 A

Used on 135T, 150T, 180T, 230T, 260XT, 205RXT, 240RXT

**REF [147TA6047](#)**



- Type of relay: printed circuit board
- Voltage: 12 V
- Type of voltage: DC
- Current: 12 A

Used on 135T, 150T, 180T, 230T, 160XT, 180XT, 210XT, 260XT, 205RXT, 240RXT

**REF [147TA6048](#)**



## RELAY, HEAD



- Type of relay: mounting bracket
- Voltage: 250 V
- Current: 10 A

Used on 260XT

**REF [147TA6052](#)**

## HEAT-SHRINK TUBING



- Length: 1020 mm
- Width: 84 mm

Used on 125T, 135T, 150T, 180T, 230T, 160XT, 180XT, 210XT, 260XT, 205RXT, 240RXT, 150ZX

**REF [147TA5940](#)**

## SIGNAL LAMPS



- Length: 46 mm
- Built-in diameter: 14 mm

Used on 125T, 135T, 150T, 180T, 230T, 160XT, 180XT, 210XT, 260XT, 150ZX

**REF [164TA9755](#)** - red

**REF [147TA5923](#)** - green

## ELECTRIC MOTOR



- Minimum voltage: 220 V
- Current: 9,9 A
- Revolutions/minute: 1400 rpm
- Power: 1,5 kW

Used on 105T, 180XT, 160XT, 210XT

**REF [147TA5937](#)**

## LINEAR ACTUATORS



Voltage: 12 VDC

Used on 125T, 135T, 150T, 230T, 160XT, 180XT, 210XT, 205RXT, 240RXT

**REF [147TA5902](#)**



Voltage: 12 VDC

Used on 125T, 150T, 180T, 230T, 180XT, 210XT, 260XT, 150ZX

**REF [147TA6035](#)**





## ACTUATOR LIMIT SWITCHES



Head actuator (with roller lever)  
for limit switch series ZCK-D

Used on 105T, 125T, 135T, 150T,  
180T, 230T, 160XT, 180XT, 210XT,  
260XT, 205RXT, 240RXT, 150ZX

**REF [146TA8798](#)**



Momentary actuator for limit  
switch series ZCE

Used on 105T, 160XT, 180XT

**REF [147TA6096](#)**

## BATTERY DISCONNECT SWITCHES



- Voltage: 24 V
- Current: 100 A
- Quantity of poles: 1
- Auxiliary switch present: no

Used on 160XT

**REF [147TA6068](#)**



- Voltage: 24 V
- Current: 75 A
- Quantity of poles: 1
- Auxiliary switch present: no

Used on 180XT, 135T, 150ZX,  
205RXT, 150T, 160XT, 180T,  
240RXT, 125T, 260XT, 210XT

**REF [147TA6069](#)**

## CONTACT BLOCKS



- Voltage: 240 VAC/125 VDC
- Current: 0,55 A
- Number of NO contacts: 1
- Number of NC contacts: 0

Used on 105T, 125T, 135T,  
150T, 180T, 230T, 160XT, 180XT,  
205RXT, 240RXT, 210XT, 260XT,  
150ZX

**REF [146TA8810](#)**



- Voltage: 600 VAC
- Current: 10 A
- Number of NO contacts: 0
- Number of NC contacts: 1

Used on 180XT, 135T, 150ZX,  
230T, 150T, 160XT, 180T, 205RXT,  
240RXT, 125T, 260XT, 105T,  
210XT

**REF [147TA6064](#)**



- Voltage: 250 V
- Current: 10 A
- Number of NO contacts: 1
- Number of NC contacts: 1

Used on 105T, 125T, 150ZX

**REF [147TA6067](#)**



## RUBBER COVER

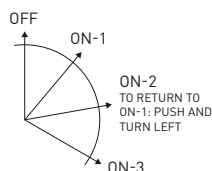


Diameter: 16 mm

Used on 180XT, 135T, 230T, 150T, 160XT, 180T, 205RXT, 240RXT, 125T, 260XT, 210XT, 150ZX

**REF [147TA6099](#)**

## IGNITION SWITCH



- Number of connections: 12
- Number of positions: 4
- Built-in diameter: 22 mm
- Total length: 86 mm

Used on 180XT, 135T, 150ZX, 230T, 150T, 160XT, 180T, 125T, 260XT, 105T, 210XT

**REF [147TA6006](#)**

### Spare part key



Used on 125T, 150T, 180T, 180XT, 210XT, 150ZX

**REF [147TA6091](#)**

## INCHING SWITCH



- Number of connections: 3
- Number of CO contacts: 1
- Number of connection holes: 2
- Current: 3 A

Used on 135T, 150T, 180T, 230T, 160XT, 180XT, 210XT

**REF [147TA6071](#)**

## LEVER SWITCH



- Positions: on-off-on
- Number of connections: 6
- Voltage: 250 V
- Current: 10 A

Used on 180XT, 135T, 150ZX, 230T, 150T, 160XT, 180T, 205RXT, 240RXT, 125T, 260XT, 105T, 210XT

**REF [146TA8814](#)**



## LIMIT SWITCHES



- Head for limit switch series ZCKD (steel)

Used on 125T, 135T, 150T, 180T, 230T, 160XT, 180XT, 210XT, 260XT, 205RXT, 240RXT, 150ZX

**REF [146TA8800](#)**



- Number of NO contacts: 0
- Number of NC contacts: 2
- Current: 1,5 A

Used on 105T, 125T, 135T, 150T, 180T, 230T, 160XT, 180XT, 210XT, 260XT, 150ZX

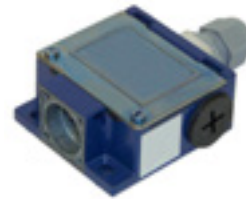
**REF [146TA8808](#)**



- Number of NO contacts: 0
- Number of NC contacts: 2
- Current: 1,5 A

Used on 105T, 160XT, 180XT

**REF [147TA6065](#)**



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 3 A

Used on 180XT, 135T, 240RXT, 210XT, 150ZX, 205RXT, 230T, 150T, 160XT, 180T, 125T, 260XT, 105T

**REF [146TA8802](#)**



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 3 A

Used on 135T, 150T, 180T, 230T, 160XT, 180XT, 210XT, 260XT, 205RXT, 240RXT, 150ZX

**REF [146TA8801](#)**

## TURN SWITCH



- Number of positions: 2 x 90°
- Built-in diameter: 22 mm

Used on 180XT, 210XT

**REF [147TA6100](#)**



## HIT BLOCK STOP



Diameter: 43 mm

Used on 125T, 135T, 150T, 180T, 230T, 160XT, 180XT, 210XT, 260XT, 205RXT, 240RXT, 150ZX

REF [147TA6084](#)

## CIRCULAR BUBBLE LEVEL



- Diameter: 43 mm
- Height: 11 mm
- Sensitivity: 35 minutes per mm<sup>2</sup>

Used on 105T, 125T, 135T, 150T, 180T, 160XT, 180XT, 210XT, 150ZX

REF [147TA6085](#)

## TILT SENSOR



Dimensions: 95 x 90 mm

Used on 125T, 135T, 150T, 180T, 160XT, 180XT, 210XT

REF [147TA6083](#)



## HOUR METER



- Voltage: 12–48 VDC
- Width: 28 mm
- Length: 32 mm
- Number of digits: 6

Used on 125T, 135T, 150T, 180T,  
230T, 160XT, 180XT, 210XT,  
260XT, 150ZX

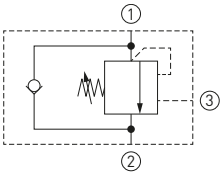
**REF [147TA6029](#)**



## CARTRIDGE VALVES



- Thread: M20 x 1,5 mm
- Length: 91 mm

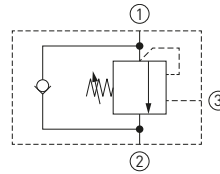


Used on 135T, 230T, 160XT, 180XT, 210XT, 260XT, 205RXT, 240RXT

**REF [147TA6123](#)**



- Thread: M20 x 1,5 mm
- Length: 87 mm



Used on 105T, 125T, 135T, 150T, 180T, 230T, 160XT, 180XT, 210XT, 260XT, 205RXT, 240RXT, 180XTB, 150ZX

**REF [147TA6117](#)**

## CETOP VALVE



- Voltage: 12 VDC
- Length: 240 mm

Used on 160XT, 180XT, 210XT

**REF [164TA9758](#)**

## COUPLINGS



- Height: 12 mm
- Diameter: 16 mm

**REF [147TA6026](#)**



- Height: 12 mm
- Outer diameter: 44 mm
- Inner diameter: 24 mm

Used on 105T, 205RXT

**REF [147TA6022](#)**



- Height: 30,4 mm
- Used on 205RXT, 240RXT

**REF [147TA6027](#)**





## HYDRAULIC MOTORS



- Thread connections: 1/2" BSP
- Total length: 249 mm

Used on 125T, 135T, 150T, 160XT, 180T, 150ZX

**REF [147TA5958](#)**



- Thread connections: 1/2" BSP
- Total length: 256 mm

Used on 180XT, 210XT

**REF [147TA5957](#)**



- Thread connections: 3/4" BSP
- Total length: 335 mm

Used on 260XT

**REF [147TA5960](#)**



- Thread connections: 3/8" BSP
- Total length: 150 mm

Used on 105T, 125T, 135T, 150T, 180T, 230T, 160XT, 180XT, 210XT, 260XT, 205RXT, 240RXT, 150ZX

**REF [147TA5959](#)**

## HYDRAULIC PUMPS



- Total length of the pump: 118 mm
- Neck diameter: 30 mm
- Direction of rotation: CCW
- Material of the housing: aluminium

Used on 135T, 150T, 180T

**REF [147TA5961](#)**



- Total length of the pump: 96,6 mm
- Neck diameter: 32 mm
- Direction of rotation: CCW
- Material of the housing: aluminium

Used on 160XT, 180XT, 210XT

**REF [147TA5962](#)**



## ALTERNATOR



- Voltage: 12 V
- Centre distance: 150 mm
- Mounting hole diameter: 10,25 mm
- Type of thread: M8
- With internal cooling
- With regulator

**REF [147TA5907](#)**



## PLATFORM SUPPORT



- Number of holes: 11
- Material: metal

Used on 125T, 135T, 150T, 180T, 230T, 160XT, 180XT, 210XT

REF [147TA6101](#)

## LOCK CATCH



- Biggest inner length: 62 mm
- Biggest inner diameter of the bottom: 55 mm
- Total height: 125 mm

Used on 160XT

REF [164TA9760](#)

## CAPSULE



- Length: 46,5 mm
- Diameter: 25,5 mm

REF [147TA5979](#)

## CAPSULE HINGE



Dimensions: 48 x 43 mm

Used on 230T, 160XT, 260XT, 205RXT, 240RXT

REF [147TA5977](#)

## CABLE GUIDE



- Outside dimensions: 53 x 35 mm
- Inside dimensions: 38 x 25 mm
- Material: plastic

Used on 180T, 230T, 260XT

REF [147TA5981](#)

## COVER



- Length: 330 mm
- Material: aluminium

Used on 125T, 150T, 180T, 180XT, 210XT

REF [147TA5932](#)

## COVER FOR CYLINDER



- Length: 462 mm
- Width: 85 mm
- Height: 20 mm

Used on 125T, 135T, 150T, 180T, 230T, 160XT, 180XT, 260XT

REF [147TA5930](#)



## WEAR BLOCKS



- Length: 120 mm
- Material: plastic

Used on 135T, 150T, 180T, 230T, 160XT, 180XT, 210XT, 260XT, 205RXT, 240RXT

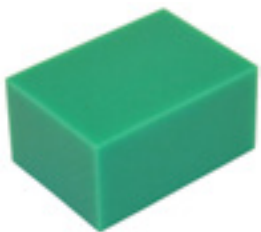
**REF [147TA5904](#)**



- Length: 20 mm
- Outer diameter: 40 mm
- Material: plastic

Used on 125T, 135T, 150T, 180T, 230T, 160XT, 180XT, 210XT, 260XT, 205RXT, 240RXT

**REF [147TA5941](#)**



- Length: 70 mm
- Material: plastic

Used on 125T, 135T, 150T, 180T, 230T, 160XT, 180XT, 210XT, 260XT, 205RXT, 240RXT

**REF [147TA5903](#)**

## DOOR HANDLES



Length: 147 mm

Used on 160XT

**REF [147TA5973](#)**



- Length: 54 mm
- Width: 21 mm

Used on 105T, 125T, 135T, 150T, 180T, 230T, 180XT, 210XT, 260XT, 150ZX

**REF [147TA5974](#)**



Handle (key locked) for control panel

Used on 105T, 125T, 135T, 150T, 180T, 230T, 180XT, 210XT, 260XT, 150ZX

**REF [147TA5976](#)**



Length: 40 mm

Used on 160XT, 180XT, 210XT

**REF [164TA9759](#)**



## TENSION ROD END ASSEMBLY



- Type of rod end: without groove
- Length: 44 mm
- Thread: M12, RH thread

Used on 125T, 135T, 150T, 180T, 230T, 160XT, 180XT, 210XT, 205RXT, 240RXT

REF [147TA6060](#)

## HOLDER FOR PANEL, LH



- Number of holes: 8
- Material: aluminium

Used on 160XT

REF [147TA6103](#)

## OUTRIGGER



- Length: 1590 mm
- Width: 110 mm
- Height: 258 mm

REF [147TA6113](#)

## HOLDER FOR PANEL, RH



- Number of holes: 8
- Material: aluminium

Used on 160XT

REF [147TA6102](#)

## CONTROL LEVER KNOB



- Diameter: 32 mm
- Thread: M10 x 1,5 mm

Used on 125T, 135T, 150T, 180T, 160XT, 150ZX

REF [147TA6020](#)

## LADDER



- Height: 560 mm
- Width: 390 mm

Used on 135T, 150T, 180T, 230T, 160XT, 180XT, 210XT, 205RXT, 240RXT

REF [147TA5917](#)

## COVER SPACER



- Length: 44,5 mm
- Width: 20 mm
- Height: 8 mm
- Dimension biggest hole: 9 mm
- Dimension smallest hole: 7 mm
- Material: aluminium

Used on 125T, 135T, 150T, 180T, 230T, 160XT, 180XT, 260XT, 210XT, 205RXT, 240RXT, 150ZX

REF [147TA5946](#)



## MARKER LIGHTS



- Length: 113 mm
- Width: 46 mm
- Height: 30 mm
- Bulb included

Used on 105T, 125T, 135T, 150T, 180T, 230T, 160XT, 180XT, 210XT, 260XT, 150ZX

REF [147TA6014](#)

E-approved



- Length: 113,5 mm
- Width: 45 mm
- Height: 30 mm
- Bulb included

Used on 105T, 125T, 135T, 180XT, 150T, 180T, 230T, 160XT, 210XT, 230T, 260XT, 150ZX

REF [147TA6015](#)

E-approved

## REAR LIGHTS



- Length: 100 mm
- Width: 94 mm
- Height: 42 mm
- Voltage: 12-24 V
- Bulb not included

Used on 105T, 125T, 150T, 180T, 180XT, 210XT, 150ZX

REF [147TA6013](#) – Rear light  
REF [151TA5944](#) – Bulb 12 V (1x)  
REF [103TA4621](#) – Bulb 12 V (1x)

E-approved



- Length: 237 mm
- Width: 137 mm
- Height: 66 mm
- Voltage: 12 V
- Bulb included

Used on 125T, 135T, 150T, 180T, 230T, 160XT, 180XT, 210XT, 260XT, 150ZX

REF [147TA6012](#)

E-approved



- Length: 371 mm
- Width: 130 mm
- Height: 118 mm
- Voltage: 12 V
- Bulb included

Used on 160XT

REF [147TA6011](#)

E-approved



- Length: 371 mm
- Width: 130 mm
- Height: 118 mm
- Voltage: 12 V
- Bulb included

Used on 160XT

REF [147TA6016](#)

E-approved





## REAR LIGHT BAR MOUNTING BRACKETS



- Number of holes: 32
- Material: aluminium

Used on 125T, 135T, 150T, 180T, 230T, 160XT, 180XT, 210XT, 150ZX

**REF [147TA5919](#)**



- Number of holes: 42
- Material: aluminium

Used on 160XT, 180XT

**REF [147TA6107](#)**



- Number of holes: 7
- Material: metal
- LH

Used on 125T, 135T, 160XT, 180XT

**REF [147TA6108](#)**



- Number of holes: 7
- Material: metal
- RH

Used on 125T, 135T, 160XT, 180XT

**REF [147TA6109](#)**

## SUPPORTS



- Number of holes: 1
- Material: aluminium

**REF [147TA6110](#)**



- Number of holes: 2
- Material: metal

Used on 125T, 150T, 180T, 150ZX

**REF [147TA6104](#)**

## PLEXIGLASS COVER



- Length: 891,22 mm
- Width: 158,5 mm
- Material: polycarbonate

Used on 135T, 150T, 180T, 230T, 160XT, 180XT, 210XT, 205RXT, 240RXT

**REF [147TA5928](#)**



## RUBBER BUMPER



- Type: pad with 1 x outer thread
- Diameter: 31,5 mm
- Thread: M8
- Overall length: 29,6 mm

Used on 125T, 135T, 150T, 180T, 230T, 260XT, 150ZX

**REF [147TA6089](#)**

## CHAIN LINK



- Length: 44 mm
- Width: 34 mm

Used on 125T, 135T, 150T, 180T, 230T, 160XT, 180XT, 210XT, 260XT, 150ZX

**REF [147TA5985](#)**

## WORM GEARS



Type: MI80BFP614  
Used on 105T

**REF [147TA6044](#)**



Type: MI80V/FP15

Used on 125T, 135T, 150T, 180T, 230T, 160XT, 180XT, 210XT, 260XT, 150ZX

**REF [147TA6043](#)**



## BONNET CATCH



- Length: 125 mm
- Width: 36,5 mm

Used on 125T, 150T, 180T, 230T, 205RXT, 150ZX

REF [147TA5972](#)

## GAS SPRINGS



- Type of gas spring: push type
- Centre distance: 595 mm

REF [164TA9761](#)



- Type of gas spring: push type
- Force: 150 N
- Centre distance: 265 mm

Used on 105T, 125T, 135T, 150T, 180T, 230T, 160XT, 180XT, 210XT, 260XT, 205RXT, 240RXT

REF [147TA5943](#)



- Type of gas spring: push type
- Force: 300 N
- Centre distance: 248 mm

Used on 125T, 135T, 150T, 180T, 160XT, 180XT, 205RXT, 240RXT, 150ZX

REF [147TA5942](#)

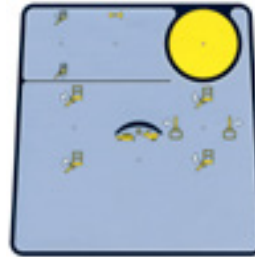


## DECALS



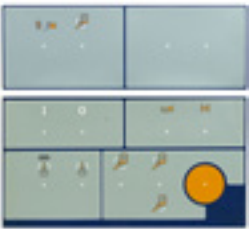
- Length: 119,5 mm
- Height: 20 mm

REF [138TA1812](#)



- Length: 196 mm
- Height: 196 mm

REF [147TA6003](#)



- Length: 317 mm
- Height: 173 mm

Used on 135T, 150T, 180T, 160XT, 180XT, 210XT

REF [147TA5993](#)



- Length: 320 mm
- Height: 175 mm

Used on 135T, 150T, 180T, 160XT, 180XT, 210XT

REF [138TA2225](#)



- Length: 65 mm
- Height: 28 mm

Used on 160XT

REF [138TA1818](#)



- Length: 69 mm
- Height: 59 mm

Used on 160XT

REF [138TA1810](#)



## WHEELS



- Nose wheel: Ø 60 mm
- Dimensions: 260 x 85 mm
- Double pneumatic tyres heavy-duty

Used on 125T, 135T, 150T, 180T, 230T, 160XT, 180XT, 210XT, 260XT, 150ZX

REF [151TA3799](#)



- Type: pneumatic tyre
- Dimensions: 290 x 20 mm
- Ply rating: 4.00x4-4PR

Used on 125T, 135T, 180T, 160XT, 180XT, 210XT, 260XT, 150ZX

REF [139TA9487](#)

## TOWBAR COUPLING



Used on 125T, 135T, 150T, 180T, 160XT

REF [147TA5975](#)



## PINS



- Diameter: 12 mm
- Total length: 60 mm
- Centre distance: 53,4 mm
- Material: steel

Used on 125T, 135T, 150T, 180T, 230T, 160XT, 180XT, 210XT, 205RXT, 240RXT, 150ZX, DH2000, DH2500, DHS2000, ERGO800B-BT-H-HT, GX1200

**REF [147TA5909](#)**



- Diameter: 16 mm
- Total length: 51 mm
- Internal thread: M8
- Material: steel

Used on 135T, 150T, 230T, 160XT, 180XT, 210XT, 205RXT, 240RXT

**REF [147TA5913](#)**



- Diameter: 20 mm
- Total length: 60 mm
- Internal thread: 1/8" BSP
- Material: steel

Used on 125T, 135T, 150T, 180T, 230T, 160XT, 180XT, 210XT, 260XT, 240RXT, 150ZX

**REF [147TA5912](#)**





USED ON  
**GENIE**



## ELECTRONIC JOYSTICKS



Dual-axis

REF [160TA9602](#)



Dual-axis

REF [139TA5049](#)



Dual-axis

REF [139TA5047](#)



Dual-axis

REF [139TA5041](#)



Single-axis

REF [145TA3105](#)



Single-axis

REF [140TA8494](#)



Single-axis

REF [139TA5042](#)



Single-axis

REF [161TA4373](#)



Single-axis

REF [161TA4533](#)



Single-axis

REF [161TA4783](#)



## ELECTRONIC JOYSTICKS



Single-axis

REF [139TA5046](#)



Single-axis

REF [161TA4097](#)



Traction and direction joystick

REF [126TA5245](#)



Single-axis

REF [127TA2666](#)



Single-axis

REF [127TA2658](#)



Analog rocker assembly

REF [127TA2750](#)



Dual-axis

REF [127TA2659](#)



Dual-axis

REF [126TA4720](#)



Single-axis

REF [139TA1754](#)



Drive and steer

REF [127TA2663](#)



## ELECTRONIC JOYSTICKS



Single-axis

REF [127TA2664](#)



Single-axis

REF [127TA2533](#)



Dual-axis

REF [127TA2661](#)



Single-axis

REF [160TA7389](#)



Single-axis

REF [127TA2548](#)



Platform control

REF [165TA3875](#)



Single-axis

REF [127TA2575](#)

Depends on type and serial n°, for more info contact your sales advisor.

## CABLE LOOM JOYSTICK



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 135 mm
- Number of plugs: 2

Used on Z-45/25IC from serial n° 9996 to 99999, Z-51/30J, S-60, S-120, S-80, S-100, S-40, Z-60/34, Z-80/60, Z-45/25

REF [139TA5053](#)





## CONTROL BOXES



Platform kit

Used on GS1530/1930, GS2046/2646-GS3232, GS2032/2632

**REF [139TA1758](#)**



Platform control box

Used on GS1530/3246, GS30/32/46, QS12,15,20(R)(W), GR12,15,20, GRC12

**REF [139TA1753](#)**



Platform control box

Used on GS84/90, GS3390/5390, GS2268RT/GS3268RT, GS4390/5390

**REF [145TA2882](#)**



Joystick control panel

Used on 4047, GS2032/3246, GS1530/1532/1930/1932, GS2646AV-AV35, GR12/15/20

**REF [161TA5597](#)**



Joystick control panel

Used on 4047, GS2032/3246, QS12/15/20(R)(W), GS2646AV-AV35, GS1530/1532/1930/1932

**REF [145TA3121](#)**



Joystick control panel

Used on 4047, GS2032/3246, GS1530/1532/1930/1932, GS2646AV-AV35, GR12/15/20, QS12/15/20(R)(W), GRC12

**REF [165TA3876](#)**

## ELECTRICITY CLOSETS AND BOXES



- Length: 700 mm
- Width: 240 mm

Used on Z-51/30J, Z-60/34, Z-45/25, Z-45/25IC from serial n° 9996 to 99999

**REF [161TA1673](#)**



## MOTOR CONTROLLERS



- Platform control box
- Dimensions: 80 x 178 x 230 mm

Used on Z-34/22(N/DC/BI-ENERGY)

**REF [161TA1550](#)**



- Electronic control unit
- Dimensions: 325 x 185 x 45 mm

Used on GS3390/4390/53, GS4390/5390

**REF [165TA3877](#)**



- Controller – motor DC
- Dimensions: 156 x 146 x 79 mm

Used on GS-2046, GS-1530 from serial n° 00001 to 75999, TMZ-50/30, GS-2032, RUNABOUT, TZ-50, TMZ-34/19, TZ-34/20, GS-30, GR-8, GR-12, GRC-12, QS-12R

**REF [128TA2985](#)**



- Variable speed unit
- Dimensions: 200 x 150 x 85 mm

Used on GR-20J/26J

**REF [160TA6272](#)**



- Controller 36-48 V
- Dimensions: 225 x 142 x 74 mm

Used on Z-34/22N, Z-30/20N, GS-2668 DC, Z-34/22, Z-30/20, GS-2668DC

**REF [161TA1421](#)**



- Controller sepex motor
- Dimensions: 230 x 180 x 76 mm

Used on Z45/25(J/DC/BI-ENERGY)

**REF [161TA2011](#)**



- Controller 36-48 V
- Dimensions: 149 x 145 x 65 mm

Used on GS1530/3246, TZ50, GRC12, QS12/15/20(R)(W), GR8/12/15

**REF [161TA5725](#)**

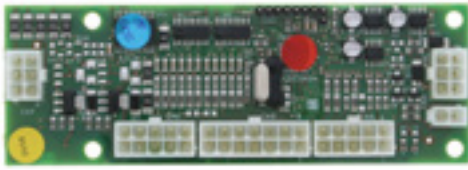


Electronic control unit



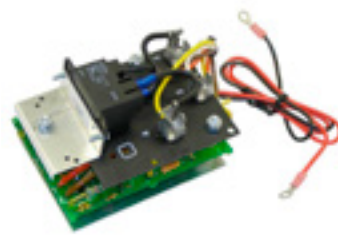


## PRINTED CIRCUIT BOARDS



Electronic plate

Used on GR-20J

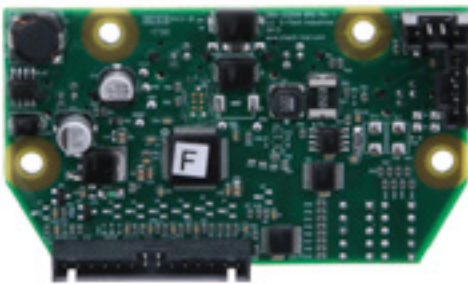


Electronic timer assembly 60 Hz

Used on Z-30/20N, Z-45/22, Z-34/22N, Z-45/25, Z-25/8, Z-34/22, Z-30/20, Z-34/22 BI-ENERGY, Z-45/25DC from serial n° 9996 to 99999, Z-45/22DC, Z-45/25J, Z-45/25 BI-ENERGY, Z34/22 DC, Z-40/23 N



Used on GS-30, GS-2668 DC, GS-1530 from serial n° 00001 to 75999, GS-2046, GS-2032, GS-2668DC



Connector for factory programming



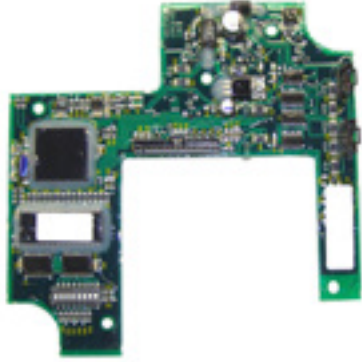
Ignition start (after serial n° 2599)



Electronic card control box



## PRINTED CIRCUIT BOARDS



DNS card fitted on machine



Electronic control unit

Although these electronic cards may resemble the one fitted on your mobile elevating work platform there can be a big difference. Therefore we always ask you to supply us with part number or full vehicle details before ordering a similar unit.

This is just a small selection of our electronic boards. For all other types, please feel free to call us!



## AUTOMATIC FUSES



- Type of fuse: fuse with push button
- Voltage: 28 VDC, 240 VAC
- Current: 15 A

Used on S-40, S-60, S-80, Z-60/34, Z-45/22DC, Z-45/25, Z-45/25J, Z-51/30J, Z-34/22N, Z-40/23N, Z-34/22 IC, Z-45/25IC, Z-30/20N, Z-45/22IC, S-80X, Z-45/22 MP, TML-4000N, TML-4000, Z-40/23 N

**REF [165TA3878](#)**



- Type of fuse: fuse with push button
- Voltage: 50 VDC, 250 VAC
- Current: 50 A

Used on RUNABOUT, GR-8, GS-2032, GS-2046, GS-1530 from serial n° 00001 to 75999

**REF [122TA7787](#)**

## DASHBOARD WARNING LIGHTS



- Length: 40 mm
- Built-in diameter: 12,7 mm
- Lens colour: red

Used on Z-45/25, Z-40/23 N, Z-45/25IC from serial n° 9996 to 99999, Z-34/22N, Z-30/20N, Z-51/30J, Z-33/18

**REF [161TA4836](#)**



- Length: 40 mm
- Built-in diameter: 16 mm
- Lens colour: red

**REF [161TA5143](#)**



BUZZERS/BACK-UP ALARMS					
	Voltage V	Volume dB	Built-in diameter mm	Used on	REF
	30	96	29	GS-30, GS-1530 from serial n° 00001 to 75999, GR-12, GS-2046, GS-2032, GS-2668 DC, GRC-12, QS-12R, GS-2646, GS-2668DC	<a href="#">161TA2053</a>
	5-16	85-95	27,8	S-120, S-100, Z-80/60, Z-135/70, S-3800, ZX-135/70, SX-180	<a href="#">161TA1664</a>
	5-30	90	29	GS-2046, S-60, GS-2032, Z-34/22N, Z-34/22G, Z-45/25IC from serial n° 9996 to 99999, Z-45/22, S-40, Z-60/34, S-80, Z-25/8, Z-45/25, Z-30/20N, Z-34/22 BI-ENERGY, GS-1530 from serial n° 00001 to 75999, Z-34/22, V-2470, V-1832, Z-30/20, Z-51/3	<a href="#">151TA2422</a>
	6-28	95-108 (at sound pressure level 30 cm)	29	GS26693369/4069DC, GS2032/3246, QS12/15/20(R)(W), GRC12	<a href="#">128TA3427</a>
	5-25	93	29	S40/45, S80/85, Z45/25IC-Z4525/J IC, GR20/26J	<a href="#">128TA3429</a>
	6-28	90	27	GR-20/26J	<a href="#">160TA5461</a>



## HORN



- Volume: 110 dB
- Voltage: 24 V
- Type of mounting: L-bracket
- Diameter: 101 mm

Used on Z-34/22N, Z-30/20N, Z-45/25, Z-34/22, GS-1530 from serial n° 00001 to 75999, Z-45/25DC from serial n° 9996 to 99999, Z34/22 DC, GR-12, Z-40/23N, TZ-34/20, GS-30, GS-2668 DC, GS-2046, GS-2032, GRC-12, QS-12R, Z-45/25J, Z-45/25 BI-ENERGY, GS-2668DC, TZ-50, Z-40/23 N, Z-33/18, GS-2669BE, GS-2668RT, GS-2669DC, GS-4047, GS-2646 AV

REF [126TA6165](#)

## CABLE LOOMS

	Cable type mm <sup>2</sup>	Type of loom	Total length mm	Number of plugs	Used on	REF
	6	Multiple cables	12 800	1	DPL-25S, AWP SUPER SERIES, IWP SUPER SERIES	<a href="#">160TA9716</a>
	6	Multiple cables	220	2	AWP, CPW, DPL, GR, GRC, Genielift, GS, IWP, QS, TMZ	<a href="#">128TA3088</a>
	6	Multiple cables	675	2	GS-1530, GS-2032, GS-4047	<a href="#">161TA4383</a>
	6	Multiple cables	1100	2	GS-30, GS-1530	<a href="#">160TA9869</a>
	6	Multiple cables	1145	2	GR-12, GS-2669 DC, GS-1530, GS-2032, QS-12R, GRC-12, GS-2669BE, GS-2669DC, GS-4047, GS-2646 AV	<a href="#">161TA1710</a>
	6	Multiple cables	1680	2	GR-12, GRC-12, QS-12R, GS-2032, GS-1530 from serial n° 00001 to 75999, GS-3384, GS-84, GS-30, GS-2668 DC, GS-3390, GS-2668 RT, GS-2646, GS-2668DC, GS-2046, GS-2668RT, GS-2668	<a href="#">161TA2154</a>



CABLE LOOMS						
	Cable type mm <sup>2</sup>	Type of loom	Total length mm	Number of plugs	Used on	REF
	6	Multiple cables	6450	2	GS-84, GS-3384	<a href="#">160TA9678</a>
	6	Multiple cables	6766	2	GR-12, QS-12R	<a href="#">160TA9864</a>
	6	Multiple cables	7030	2	GS-30, GS-1530 from serial n° 00001 to 75999	<a href="#">161TA1647</a>
	6	Multiple cables	8270	2	GS-30, GS-1530 from serial n° 00001 to 75999	<a href="#">160TA9834</a>
	6	Multiple cables	8205	2	GS-2032, GS-2046	<a href="#">160TA6163</a>
	6	Multiple cables	14 200	2	GS-2668 DC, GS-2668 RT, GS-2668DC, GS-2668RT, GS-2668	<a href="#">160TA9346</a>
	6	Multiple cables	14 930	2	GS-3390, GS-3384, GS-84	<a href="#">160TA9563</a>
	6	Multiple cables	20 880	2	S-60	<a href="#">160TA9250</a>





CABLE LOOMS						
	Cable type mm <sup>2</sup>	Type of loom	Total length mm	Number of plugs	Used on	REF
	6	Multiple cables	20 900	2	S-60	<a href="#">160TA9282</a>
	6	Multiple cables	24 350	2	GS-3390, GS-84, GS-3384	<a href="#">160TA9361</a>
	6	Multiple cables	375	3	GS-2668 DC, GS-2046, GS-2668 RT, GS-2032, GS-1530 from serial n° 00001 to 75999, GS-2668DC, GS-2668RT	<a href="#">160TA9797</a>
	6	Multiple cables	1440	4	GS-2668 DC, GS-2046, GS-2032, GS-1530 from serial n° 00001 to 75999, GS-2668DC	<a href="#">128TA3089</a>
	6	Multiple cables	2020	4	GS-30, GS-1530 from serial n° 00001 to 75999	<a href="#">160TA7843</a>
	6	Multiple cables	17 550	4	Z-45/25IC from serial n° 9996 to 99999, Z-45/25, Z-45/25DC from serial n° 9996 to 99999, Z-45/25J, Z-51/30J	<a href="#">160TA9726</a>
	6	Multiple cables	18 000	4	S-40	<a href="#">160TA8591</a>
	6	Multiple cables	1845	10	S-120, S-100, S-80, S-60	<a href="#">160TA7961</a>



## CONTACT BLOCKS



- Voltage: 400 V
- Current: 10 A
- 2 x NO contact

Used on GS-3390, TZ-50, TMZ-50/30, Z-60/34, TZ-34/20, GR-8, GS-2668 DC, DPL-25S, AWP SUPER SERIES, GS-2046, GS-2668 RT, GS-2032, GS-1530 from serial n° 00001 to 75999, GS-3384, IWP SUPER SERIES, S-40, Z-45/25IC from serial n° 9996 to 99999, S-80, Z-45/25, GS-2668DC, Z-51/30J, Z-33/18, Z-62

**REF [127TA2439](#)**



- Voltage: 240 VAC
- Current: 6 A
- NO contact

Used on Z-34/22IC, Z-30/20N, Z-45/25, S-60, Z-25/8, Z-45/22, S-40, Z-34/22N, Z-60/34, RUNABOUT, Z-34/22 BI-ENERGY, DPL-25S, AWP SUPER SERIES, AWP from serial n° 0000-00000 to 9999-99999, CWP-8S, Z-34/22, S-80, IWP SUPER SERIES, Z-45/25IC from serial n° 9996 to 99999, Z-45/25DC from serial n° 9996 to 99999, Z-34/22G

**REF [146TA8810](#)**



- Voltage: 240 VAC
- Current: 3 A
- 2 x NC contact

Used on S-80, TZ-50, Z-80/60, TZ-34/20, GS-2646 AV

**REF [160TA8019](#)**



- Voltage: 380 VAC
- Current: 10 A
- NO contact + NC contact

Used on GRC-12, GS-2046, S-60, GS-3390, GR-12, Z-30/20N, S-40, Z-60/34, Z-34/22IC, Z-34/22N, Z-45/22, Z-45/25, S-80, RUNABOUT, Z-45/25IC from serial n° 9996 to 99999, TZ-50, Z-34/22 BI-ENERGY, GS-1530 from serial n° 00001 to 75999, TZ-34/20, GS-30, GS-2668 DC, GR-8

**REF [146TA1860](#)**



## CONTACT BLOCKS



- Voltage: 240 VAC
- Current: 3 A
- 2 x NC contact

Used on GS-3390, Z-45/25DC from serial n° 9996 to 99999, S-40, Z-34/22N, Z-60/34, Z-34/22IC, Z-30/20N, Z-25/8, S-60, Z-45/22, Z-45/25, S-80, Z-34/22 BI-ENERGY, CWP-8S, Z-34/22, Z-45/25IC from serial n° 9996 to 99999, GS-2046, Z-80/60, Z-34/22G, Z34/22 DC, V-2470

**REF [146TA6011](#)**



- Voltage: 240 VAC
- Current: 4 A
- 2 x NO contact

Used on Z-45/22, Z-60/34, V-2470, V-1832, Z-30/20, Z-45/22D, S-60, V-4M

**REF [146TA6010](#)**



- Voltage: 240 VAC
- Current: 3 A
- NC contact

Used on GTH-3713, GTH-4016SR, GTH-4010, GTH-4017 SX, GTH-4013, GYRO-4020, GTH-3512SX, GTH-4514, GTH-4017, GTH-4017EX, GTH-4013SX, GTH-4013EX, GTH-3713SX, GTH-3512ACF, GTH-5022R, GTH-3713AU, GTH-6025ER, GTH-4013 SX, GR-20J, GTH-5021R, GTH-4014 III A, AGRILIFT 737

**REF [139TA5100](#)**



- Voltage: 400 V
- Current: 10 A
- NO contact

Used on GTH-3713, Z-60/34, Z-45/22, AWP from serial n° 0000-00000 to 9999-99999, IWP, V-2470, V-1832, Z-30/20, Z-45/22D, S-60, GENIE IWP, V-4M, GTH-4016SR, GTH-3007, GTH-2506, GTH-4010, GTH-4017 SX, GTH-4013, GYRO-4020, GTH-3512SX, GTH-4514, GTH-4017, GTH-4013SX, GTH-4013EX, GTH-3713SX, GTH-3512ACF, GTH-5022R, GTH-3713AU, GTH-6025ER, GTH-4013 SX, GTH-3007FMS, GTH-5021R, GTH-2506 III A, GTH-4014 III

**REF [138TA7183](#)**



## CONTACT BLOCKS



- Voltage: 230 VAC
- Current: 6 A
- NC contact

Used on GS-2046, GS-2032, RUNABOUT, GS-1530 from serial n° 00001 to 75999, GR-8, DPL-25S, AWP SUPER SERIES, AWP from serial n° 0000-00000 to 9999-99999, GS-2668 RT, S-120, S-100, IWP SUPER SERIES, TMZ-50/30, TMZ-34/19

REF [161TA1047](#)

## COMPLETE CONTACTORS

	Voltage V	Maximum current interrupted A	Maximum current uninterrupted A	Magnetic blows out	Dust cover	Used on	REF
	12 DC	80	80	No	No	DPL-25S, AWP SUPER SERIES, CWP-8S, IWP SUPER SERIES, CWP SUPER SERIES	<a href="#">160TA7679</a>
	12 DC	100	100	No	No	S-80, S-60, S-40, Z-60/34, Z-135/70	<a href="#">160TA9061</a>
	12	150	150	No	No	Z-34/22IC, GS-84, GS-3384, Z-34/22 IC, Z-45/25, GS-3390, TMZ-50/30, Z-25/8, Z-34/22, Z-45/22, Z-45/25IC from serial n° 9996 to 99999, Z-34/22G	<a href="#">160TA9767</a>
	12	80	80	No	No	GS-3390, Z-60/34, S-40, Z-45/25IC from serial n° 9996 to 99999, Z-45/25, S-80, GS-3384, S-60, Z-51/30J, Z-45/22, GS-84, Z-45/22IC	<a href="#">126TA4732</a>
	12	150	150	Yes	No	Z-45/22, Z-45/22 MP	<a href="#">106TA1644</a>



COMPLETE CONTACTORS							
	Voltage V	Maximum current interrupted A	Maximum current uninterrupted A	Magnetic blows out	Dust cover	Used on	REF
	24	200	200	No	Yes	Z-25/8, Z-30/20N, Z-34/22N, Z-40/23N, Z-45/25, GS-2046, Z-34/22, Z-34/22 BI-ENERGY, Z-45/25DC from serial n° 9996 to 99999, Z-45/25J, Z-45/25 BI-ENERGY, Z34/22 DC, GS-2669 DC, GS-1530, GS-2032, TZ-50, TZ-34/20, Z-40/23 N, Z-33/18, GS-2669BE, GS-30, GS-2669DC, GS-4047, GS-2646 AV	<a href="#"><u>161TA2123</u></a>
	24	200	200	No	No	V-2470, Z-30/20, V-4M, TMZ-34/19, GTH-644, TS20	<a href="#"><u>111TA4054</u></a>
	24	150	150	Yes	No		<a href="#"><u>106TA1645</u></a>
	24	200	200	No	No	Z-30/20N, GS1530/GS1930, Z-34/22N, Z-34/22N-Z-34/22DC, GS2046/GS2646/GS32	<a href="#"><u>128TA3008</u></a>
	24	150	150	No	Yes		<a href="#"><u>107TA1359</u></a>
	24	80	80	No	No		<a href="#"><u>128TA3000</u></a>



## CONVERTERS



- Minimum voltage: 12 V
- Type of voltage: DC
- Outgoing voltage: 220 V
- Current: 5 A
- Number of terminals: 5

Used on S-100, S-80, Z-45/25IC from serial n° 9996 to 99999, S-120, S-60, Z-135/70, Z-80/60, Z-51/30J, Z-45/25, ZX-135/70, S-80X

**REF [160TA5433](#)**



- Minimum voltage: 48 V
- Type of voltage: DC
- Outgoing voltage: 26 V
- Current: 13 A
- Number of terminals: 4

Used on GS-2668 DC, GS-2668DC, Z-45/25, Z-40/23 N, Z-34/22N, Z-30/20N, Z-33/18, GS-2669BE

**REF [160TA9817](#)**

## PLUG AC



- Current: 16 A
- Voltage: 110 V
- 3-pins

Used on GS-2046, GS-3390, Z-34/22N, Z-45/25IC from serial n° 9996 to 99999, S-80, Z-60/34, Z-45/22, S-40, S-60, AWP from serial n° 0000-00000 to 9999-99999, GS-30, GS-2668 DC, GR-8, GL-4, AWP SUPER SERIES, GS-2032, IWP, DPL-25S, GS-1530 from serial n° 00001 to 75999, GS-2668 RT, V-1832, GS-3384

**REF [139TA1764](#)**

## REGULATOR



Voltage: 48 V

Used on Z-34/22N, Z-45/25, Z-34/22 BI-ENERGY, Z-45/25J, Z-45/25 BI-ENERGY, Z-34/22

**REF [161TA1196](#)**





RELAYS					
	Voltage V	Type of voltage	Current A	Used on	REF
<b>Mini</b>					
	12	DC	20/15	GS2669/3369/4069-R, SX180, GTH644/844, GTH1056, S100/105	<a href="#">128TA3015</a>
	12	DC	40/30	GTH6622, GTH3007, GTH2506, GTH2306, SX180, GTH1056, S40/45	<a href="#">124TA4685</a>
	12	DC	70	Z45/22MP, Z60/34, S60	<a href="#">131TA2657</a>
	24	DC	20/10	GS2046/2646/32, Z34/22 BI-ENERGY, Z34/22 BI-ENERGY POWER, GS1530/1930, GS2669/3369/4069DC	<a href="#">165TA2594</a>
	24	DC	20/15	GS1530/3246, TZ34/20, TZ50, QS12,15,20(R)(W)	<a href="#">131TA2656</a>
<b>General purpose and power</b>					
	12	DC	10	Z45/22MP, Z45/22, Z60/34, S60, Z60/34	<a href="#">128TA3016</a>
	24	DC	10	GR8/12/15, V4M, GS3384, Z30/20	<a href="#">128TA3018</a>
	12	DC	10	Z45/22MP, Z45/22, Z60/34, S60, Z60/34	<a href="#">128TA3014</a>
	24	DC	10	Z30/20N, Z34/22N, Z34/22DC, Z34/22 BI-ENERGY, Z30/20N	<a href="#">128TA3017</a>



## STARTER RELAYS



- Voltage: 12 V
- 3 terminals intermittent

Used on Z-45/22, Z-45/25, Z-34/22IC, Z-34/22N, Z-34/22 BI-ENERGY, GS-2668 RT, Z-34/22, Z-34/22G, Z-45/25DC from serial n° 9996 to 99999, Z-34/22 IC, Z-45/25J, Z-45/25 BI-ENERGY, Z34/22 DC, Z-45/22 MP, GS-2668RT, GS-2668

**REF [160TA7524](#)**

## TIMER RELAYS



- For 12 V machines
- 2 sec

Used on S-40, Z-60/34, S-60, S-80X, Z-45/25, Z-34/22 IC, Z-51/30J, Z-45/25IC from serial n° 9996 to 99999, Z-62/40

**REF [160TA6702](#)**



- For 12-24 V machines
- 0,5 sec

Used on S-80, S-100, S-120, Z-80/60, S-60, Z-135/70, S-80X, S-3800, ZX-135/70, Z-62/40, SX-180, GS-2668RT

**REF [161TA1993](#)**



- For 24 V machines
- 2 sec

Used on Z-45/25, Z-34/22N, Z-30/20N, Z-62/40

**REF [160TA6309](#)**



ELECTRIC MOTORS							
	Minimum voltage V	Current A	Revolutions/ minute rpm	Power kW	Direction of rotation	Used on	REF
	12		1800	1,6	CCW	DPL-25S, AWP SUPER SERIES, CWP-8S, IWP SUPER SERIES, POWERED SUPERLIFT ADVANT., CWP SUPER SERIES	<a href="#">160TA7902</a>
	12		4000	0,8	CCW	GS-3390, Z-34/22IC, GS-3384, TMZ-50/30, Z-34/22, Z-45/22, Z-45/25IC from serial n° 9996 to 99999, GS-84, Z-45/25, Z-34/22G, Z-34/22 IC	<a href="#">161TA1475</a>
	24	140	4200	2,2	CW	GR-20J	<a href="#">160TA7974</a>
	24	180	3040	3,3	CW	TZ-50, GR-8, GR-12, GRC-12, QS-12R	<a href="#">160TA9756</a>
	24	70	3000	1,2	CCW	Z-34/22N, Z-25/8, Z-45/25, Z-30/20N, Z-45/22, Z-40/23N, Z-34/22 BI-ENERGY, Z-34/22, Z-45/25DC from serial n° 9996 to 99999, Z-45/22DC, Z-45/25J, Z-45/25 BI-ENERGY, Z34/22 DC, Z-40/23 N	<a href="#">161TA1807</a>
	24	82	2727	1,25	CW & CCW	Z-34/22 BI-ENERGY, Z-34/22N, Z-45/25 BI-ENERGY, Z34/22 DC	<a href="#">161TA4775</a>



ELECTRIC MOTORS							
	Minimum voltage V	Current A	Revolutions/ minute rpm	Power kW	Direction of rotation	Used on	REF
	48	70	3290	2,53	CCW	Z-30/20N	<a href="#">128TA2931</a>
	48	80	1800		CCW	Z-25/8, GS-2668 DC, GS-2668DC	<a href="#">160TA9275</a>
	48	145	2500	3,6	CW	Z-34/22N, Z-45/25, Z-30/20N, Z-34/22, Z-34/22 BI-ENERGY, Z-45/25DC from serial n° 9996 to 99999, GS-30	<a href="#">164TA1124</a>
	12-24		3040	3,3		GS1530 to GS4047, TMZ, TZ	<a href="#">128TA2934</a>

## CARBON BRUSHES



- Thickness: 15,9 mm
- Width: 31,6 mm
- Height: 33,1 mm

Used on Z-45/25, Z-45/25DC  
from serial n° 9996 to 99999

REF [140TA4563](#)



- Thickness: 16 mm
- Width: 24,6 mm
- Height: 33,5 mm

Used on Z-25/8, GS-2668 DC,  
Z-45/25, Z-60/34, GS-2668DC

REF [126TA6206](#)



## CARBON BRUSH KITS



- Thickness: 12,6 mm
- Width: 31,7 mm
- Height: 41,7 mm
- Set of 4 brushes

Used on Z-45/25, Z-30/20N, Z-34/22N, Z-34/22 BI-ENERGY, Z-45/25DC from serial n° 9996 to 99999, Z-45/25J, Z-45/25 BI-ENERGY, Z34/22 DC

**REF [141TA1097](#)**



- Thickness: 7 mm
- Width: 22 mm
- Height: 19,3 mm
- Set of 2 x 4 brushes

Used on V-2470, V-4M

**REF [141TA4053](#)**



- Thickness: 9,4 mm
- Width: 20,5 mm
- Height: 28,5 mm
- Set of 4 brushes

Used on Z-34/22N, Z-30/20N, Z-34/22

**REF [121TA2263](#)**



## CAM SWITCH



24 V with ramp

Used on Z-30/20N, Z-30/20, Z-45/22, Z-34/22N, Z-34/22, Z34/22 DC

**REF [161TA2016](#)**

## FOOT SWITCHES



Length: 710 mm

Used on ZX-135/70, S-120, Z-135/70, SX-180

**REF [160TA7363](#)**



Used on Z-34/22(N/DC/BI-ENERGY, Z-34/22IC, Z34/22N\_Z-34/22DC, Z-30/20N, Z-34/22 IC POWER

**REF [161TA1701](#)**



- Length: 117 mm
- Width: 88,6 mm
- Height: 44 mm

Used on Z-51/30J, Z-45/25\_Z-45/25J, Z-51/30J, Z-45/25(J/DC/BI-ENERGY, Z-45/25IC\_Z-45/25J IC, Z-45/25\_Z-45/25J IC P, S-80X/S-80/S-85, S-80/S-85, S-40/S-45, S-60/S-65, S60/S-65(HC)TRAX, S-60, 65(X)(XC)(HC)(TR), S-60, 65(X)(XC)(HC)(T), S-60/S-65(HC)TRAX

**REF [128TA3056](#)**



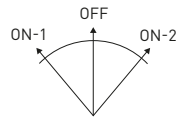
Used on S-60/S-65, S-60, S-4/S-45, S-60/S-65(HC)TRAX, S-80/S-85, Z-30/20N, Z-45/22MP, Z-60/34, Z-45/25IC\_Z-45/25J IC, Z-51/30J, Z-34/22(N/DC/BI-ENERGY, Z-51/30J, Z-45/25\_Z-45/25J, Z-34/22IC

**REF [127TA2765](#)**





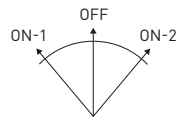
## IGNITION SWITCHES



- Number of connections: 6
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 54 mm

Used on SX180, S40/45, S80/85, S60/65, S100/105, S120/125, S3800/3200, GS1530/1930, Z45/22MP, Z60/34

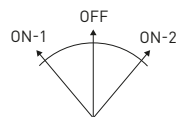
**REF [128TA3048](#)**



- Number of connections: 6
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 54 mm

Used on DPL-25S, AWP SUPER SERIES, GS-2046, GS-2032, IWP SUPER SERIES, GS-2668 DC, GS-1530 from serial n° 00001 to 75999, GS-3384, GS-2668 RT, GS-2668DC, GS-3390, GS-2668RT

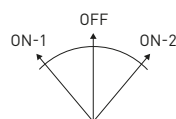
**REF [128TA4030](#)**



- Number of connections: 6
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 55 mm

Used on GS-3390, GS-2668 DC, GS-2668 RT, GS-84, S-40, GS-2032, GS-1530 from serial n° 00001 to 75999, GS-2669 DC, GS-2668DC, S-80X, Z-45/25, Z-51/30J, Z-40/23 N, Z-60/34, Z-45/251C from serial n° 9996 to 99999, Z-33/18, Z-62/40, GS-2669BE, GR-12, GS-2668RT, GS-2669DC, GS-2668, GS-3384

**REF [161TA2127](#)**



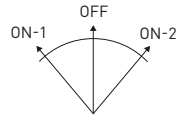
- Number of connections: 6
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 55 mm

Used on GS2669/3369/4069-R, GS4390/5390, Z34/22 IC POWER, Z30/20N, Z51/30J, Z60/34, Z45/25(J)/DC/BI-ENERGY°

**REF [127TA2749](#)**



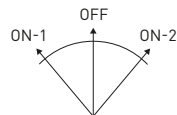
## IGNITION SWITCHES



- Number of connections: 6
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 54 mm
- 5 x NC contact

Used on Z80/60, Z135/70

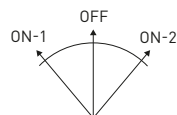
**REF [165TA3879](#)**



- Number of connections: 6
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 72,5 mm
- 3 x NO contact

Used on AWP SUPER SERIES, IWP SUPER SERIES, DPL-25S, GR-8, S-80X

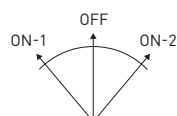
**REF [160TA9246](#)**



- Number of connections: 8
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 99 mm
- 4 x NO contact

Used on S-80, S-40, Z-60/34, Z-45/22 MP

**REF [141TA2579](#)**



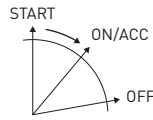
- Number of connections: 8
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 90 mm
- 2 x NO contact
- 2 x NC contact

Used on S-40, S-120, S-100, S-3800

**REF [160TA9086](#)**



## IGNITION SWITCHES



- Number of positions: 3
- Built-in diameter: 29 mm
- Total length: 48 mm
- 3 x NO contact
- 3 x NC contact

Used on S-120, S-100, Z-80/60, Z-135/70

**REF [160TA9272](#)**

## OPERATING HEADS



- Number of positions: 2
- Built-in diameter: 22 mm
- Total length: 35 mm
- Key number: 455

Used on AWP from serial n° 0000-00000 to 9999-99999, IWP, GENIE IWP

**REF [161TA1602](#)**



- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 48 mm
- Key number: 455

Used on Z-80/60, S-40, S-120, S-100, S-3800, Z-135/70, ZX-135/70, SX-180

**REF [161TA1910](#)**



- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 35 mm
- Key number: 455

Used on Z-45/22, V-2470, Z-30/20, Z-45/22D, Z-60/34, S-60, V-4M

**REF [138TA7121](#)**



## KEYS FOR IGNITION/DOOR LOCK



- Key number: 455
- Number of supplied keys: 1

Used on GS-2046, GS-3390, Z-45/25DC from serial n° 9996 to 99999, Z-34/22N, S-80, Z-60/34, Z-25/8, Z-45/25, S-60, Z-30/20N, Z-45/25IC from serial n° 9996 to 99999, Z-40/23N, Z-45/22, S-40, Z-34/22IC, RUNABOUT, Z-34/22 BI-ENERGY, GS-1530 from serial n° 00001 to 75999, AWP from serial n° 0000-00000 to 9999-99999, TZ-34/20 fr

**REF [110TA3210](#)**



- Key number: 455
- Set of 10 keys

**REF [127TA2701](#)**



Key number: 3000

**REF [128TA3051](#)**

## LIMIT SWITCHES

	Number of NO contacts	Number of NC contacts	Current A	Used on	REF
	1	1	1,5	GS-2669 DC, GS-2669BE, GS-2668RT, GS-2669DC	<b><a href="#">146TA5936</a></b>
	1	1	3	CWP SUPER SERIES, IWP SUPER SERIES	<b><a href="#">147TA5310</a></b>
	0	0	10	Z-34/22IC, Z-34/22N, Z-30/20N, Z-40/23N, Z-34/22 IC, Z34/22 DC, Z-40/23 N, Z-33/18	<b><a href="#">147TA2103</a></b>
	0	1	10	Z-60/34, Z-45/25IC from serial n° 9996 to 99999, Z-45/25, S-80, S-60, Z-80/60, Z-135/70, Z-51/30J, S-40, Z-45/25DC from serial n° 9996 to 99999, Z-45/25J	<b><a href="#">147TA2168</a></b>



LIMIT SWITCHES					
	Number of NO contacts	Number of NC contacts	Current A	Used on	REF
	1	1	10	Z-45/25, Z-45/25IC from serial n° 9996 to 99999, GS-3384, GS-84, GS-3390, Z-51/30J	<a href="#">161TA1995</a>
	0	1	3	Z-30/20N, Z-34/22N, Z34/22 DC, Z-34/22 IC	<a href="#">147TA2129</a>
	0	2	1,5	TZ-50, TZ-34/20	<a href="#">147TA5617</a>
	0	2	10	S-120, S-100, S-3800	<a href="#">147TA5373</a>
	0	2	10	S-100, S-120, S-3800	<a href="#">146TA5719</a>
	0	2	10	S-120, S-100	<a href="#">147TA5372</a>
	0	2	10	S-120, S-100, S-3800	<a href="#">147TA2112</a>
	1	0	3	GS-1530, GS-2032, GS-4047, GS-2646 AV	<a href="#">147TA5391</a>
	1	1	1,5	HT2,5EL/1100-1200	<a href="#">147TA5269</a>






LIMIT SWITCHES					
	Number of NO contacts	Number of NC contacts	Current A	Used on	REF
	1	1	10	S-120, S-100, S-3800	<a href="#">147TA5384</a>
	1	1	10	S-120, S-100, S-3800	<a href="#">147TA5383</a>
	1	1	3	Z-80/60	<a href="#">147TA2158</a>
	1	1	3	Z-135/70, ZX-135/70	<a href="#">147TA5417</a>
	1	1	3	Z-45/25, Z-45/251C from serial n° 9996 to 99999, Z-40/23N, Z-51/30J, S-40, Z-45/25J, Z-40/23 N	<a href="#">147TA2127</a>
	1	1	3	DPL-25S, V-2470, TMZ-34/19	<a href="#">146TA2573</a>
	1	1	3	S120/125, S3800/3200	<a href="#">147TA2114</a>
	1	1	3	S-120, S-100, S-3800	<a href="#">147TA2113</a>
	1	1	3	GS-3384, GS-3390, GS-84	<a href="#">147TA2133</a>





LIMIT SWITCHES					
	Number of NO contacts	Number of NC contacts	Current A	Used on	REF
	1	1	3	Z-25/8, Z-34/22N, Z34/22 DC, GS-2668 DC, GS-2668 RT, TMZ-34/19, TMZ-50/30, Z-51/30J, Z-60/34, Z-45/25IC from serial n° 9996 to 99999, Z-40/23N, Z-45/25, S-60, GS-30, S-80, Z-34/22 IC, Z-45/22DC, Z-45/25J, Z-45/25 BI-ENERGY, Z-30/20N, Z-45/22IC, Z-45/22 MP, GS-2668DC, Z-34/22	<a href="#">139TA5081</a>
	1	1	3	GRC-12, GR-12, GS-30, GR-8, DPL-25S, GL-4, GS-2032, GS-1530 from serial n° 00001 to 75999, LIFT, GS-2046, GS-2668 DC, S-80, S-60, GENIE LIFT, QS-12R, GS-2668 RT, GS-2668DC, GS-2668RT, GS-4047, GS-2646 AV	<a href="#">146TA9812</a>
	1	1	3	TZ-50, TZ-34/20	<a href="#">139TA5080</a>
	1	1	3	S-60, S-40, S-80	<a href="#">147TA1714</a>
	1	1	3	Z-80/60	<a href="#">151TA1431</a>
	1	1	3	Z-60/34	<a href="#">147TA2136</a>
	1	1	10	GS-3390	<a href="#">147TA2126</a>
	2	0	3	Z-135/70, ZX-135/70	<a href="#">160TA6165</a>
	2	0	3	Z-135/70, ZX-135/70	<a href="#">147TA5419</a>



LIMIT SWITCHES					
	Number of NO contacts	Number of NC contacts	Current A	Used on	REF
	1	1	3	Z30/20N, Z34/22(N/DC/BI-ENERGY), Z34/22(N), GS3384, GS4390/5390	<a href="#">128TA3033</a>
	1	1	3	Z45/22, Z34/22 IC POWER, Z30/20N, Z45/22, TMZ50/30, Z45/25(J/DC/BI-ENERGY), S40/45	<a href="#">128TA3028</a>
	1	1	3	TMZ50/30, GS1530/1930, GS2032, GS3384, GS4390/5390	<a href="#">128TA3030</a>

## MUSHROOMHEAD PUSH BUTTONS



- Built-in diameter: 20 mm
- Diameter knob: 41 mm

Used on TZ-34/20, TMZ-50/30, Z-34/22IC, Z-40/23N, Z-34/22N, Z-45/25IC from serial n° 9996 to 99999, S-80, Z-60/34, TZ-50, GS-2668 DC, GS-2046, GS-2668 RT, S-60, Z-51/30J, DPL-25S, S-40, AWP SUPER SERIES, GS-2032, GS-1530 from serial n° 00001 to 75999, Z-34/22 IC, Z-45/25, Z-45/25J from serial n°

**REF [161TA1796](#)**



- Built-in diameter: 21 mm
- Diameter knob: 40 mm

Used on AWP from serial n° 0000-00000 to 9999-99999, IWP, GENIE IWP, Z-45/22, V-2470, V-1832, Z-30/20, Z-45/22D, Z-60/34, S-60, V-4M

**REF [160TA3323](#)**



## MUSHROOMHEAD PUSH BUTTONS



- Built-in diameter: 28 mm
- Diameter knob: 40 mm

Used on GS-2046, GS-3390, Z-45/25DC from serial n° 9996 to 99999, Z-34/22N, Z-60/34, Z-34/22IC, Z-30/20N, Z-25/8, S-60, Z-45/22, Z-45/25, S-40, S-80, RUNABOUT, Z-34/22 BI-ENERGY, GS-1530 from serial n° 00001 to 75999, GS-30, GR-8, DPL-25S, GL-4, AWP SUPER SERIES, CWP-8S, AWP from serial n° 0000-00000 to 9999-99999, GS-2

**REF [161TA2131](#)**



- Emergency button
- Included base with 1 NC contact

Used on GS1530/1930, GS2032/2632, GS2668/3268DC, GS2046/2646/32

**REF [139TA1858](#)**



- Built-in diameter: 29 mm
- Diameter knob: 40 mm

Used on GTH4014/4018, GTH5021R, GTH4031EX/4017, GTH4515AU, GTH4013SX/4017SX

**REF [139TA5098](#)**



Kit, included base with 1 NC contact




Used on S100/105, S120/125, S3800/3200, Z135/70

**REF [161TA1783](#)**



PRESSURE CONTACTS							
	Thread	Connection	Switch mode	Pressure range bar	Length mm	Used on	REF
	1/8" BSP conical	1 x screw	NC	0,6	34,5	Z-45/25, Z-34/22IC, Z-34/22N, GS-2668 RT, Z-45/22, Z-45/22D, Z-45/25J, Z-34/22 IC, Z34/22 DC, Z-45/22 MP, GS-2668RT, GS-2668	<a href="#">160TA9995</a>
	1/4" NPT	2 x nut	NC	0,8	84	S40/45, S60/65(X)(XC) (HC)(TRAX), S80/85, GS2668/3268RT	<a href="#">128TA3255</a>
	7/16" UNF	1 x loose connector	Change over	206,8	95,5	GS-30, GS-1530	<a href="#">161TA1814</a>
	7/16" UNF	1 x loose connector	Multiple, different or with signal	12,4–220,6	95,5	GS-3384, GS-2668 DC, GS-84, GS-2668 RT, GS-2032, GS-2668DC, GS-2669BE, GS-2668RT, GS-2669DC, GS-2668	<a href="#">161TA1556</a>
	7/16" UNF	1 x loose connector	Multiple, different or with signal	345	51,7	GS-2669 DC, GS-1530, GS-2032	<a href="#">161TA1381</a>
	7/16" UNF	3 x loose connector	Change over	201 bar/ settable 12,4–220,6 bar	95	GS-30, GS-1530	<a href="#">161TA1024</a>
	7/16" UNF	3 x wires	Change over	205	95	GS-30, GS-1530	<a href="#">161TA1826</a>
	M10	1 x blade	NC	0,5	43,5	GS-3390, S-120, S-100, S-60, Z-60/34, GS-3384, GS-84, S-40, Z-45/25	<a href="#">126TA5405</a>



PRESSURE CONTACTS							
	Thread	Connection	Switch mode	Pressure range bar	Length mm	Used on	REF
	M10	1 x blade	NC	1,6	43,5	S-80, S-60, S-40, Z-60/34, GS-84, Z-51/30J, Z-45/25, Z-45/25IC from serial n° 9996 to 99999, ZX-135/70, S-80X, S-100, S-120, Z-135/70, Z-80/60, Z-62/40, GS-3390, GS-3384	<a href="#">161TA1116</a>
	M18	2 x blade	Multiple, different or with signal	0,4-0,8	75	S-80, Z-135/70, S-120, Z-80/60, S-60, S-100, S-3800, ZX-135/70, S-80X, Z-62/40, SX-180	<a href="#">161TA1425</a>
	9/16 UNF	2 x blade	2 x blade	38,6	54,5	Z34/22(N/DC/BI-ENERGY), Z34/22N-Z34/22DC, Z30/20N	<a href="#">139TA1839</a>

## PUSH BUTTONS COMPLETE



- Built-in diameter: 16 mm
- Length: 34 mm
- Button colour: red

Used on GS-2046, GS-1530 from serial n° 00001 to 75999, GS-2032, GS-3390, RUNABOUT, GR-8, GS-2668 DC, GS-2668 RT, GS-3384, GS-2668DC, GS-2668RT, GS-2668

**REF [126TA5215](#)**



- Built-in diameter: 19 mm
- Length: 310 mm
- Button colour: black

Used on GS-3390, GS-30, GR-12, GS-2668 DC, GS-2668 RT, GS-3384, GS-1530 from serial n° 00001 to 75999, GS-2046, GS-2032, GS-84, GRC-12, QS-12R, GS-2646, GS-2668DC, GS-2668RT, GS-2668

**REF [127TA2577](#)**



## KNOB CONTROLLER



Diameter: 25,3 mm

Used on Z-30/20N, Z-34/22N, Z-34/22IC, Z-45/25, Z-34/22, Z-45/25DC from serial n° 9996 to 99999, Z-45/25J, Z-34/22 IC, Z34/22 DC

REF [127TA2592](#)

## ROTARY SWITCH



- Number of positions: 3
- Built-in diameter: 22 mm

Used on AWP SUPER SERIES, AWP from serial n° 0000-00000 to 9999-99999, DPL-25S, CWP-8S, IWP SUPER SERIES, S-60, CWP SUPER SERIES, S-80X

REF [160TA5696](#)

## TOGGLE SWITCHES

	Position	Number of connections	Maximum voltage V	Current A	Used on	REF
	[On]-off-(on)	3	250	12	Z-45/25IC from serial n° 9996 to 99999, S-60, Z-45/25, S-40, S-80, S-120, S-100, Z-60/34, Z-80/60, Z-135/70, Z-51/30J, ZX-135/70, S-80X, Z-62/40, SX-180	<a href="#">147TA2081</a>
	[On]-off-(on)	3	250	12	GS-2046, GS-2032, GS-3390, S-40, Z-34/22N, Z-25/8, S-80, S-60, Z-30/20N, Z-60/34, Z-34/22IC, Z-45/25IC from serial n° 9996 to 99999, Z-45/22, Z-45/25, Z-34/22 BI-ENERGY, GS-1530 from serial n° 00001 to 75999, GS-2668 DC, V-2470/V-2470RT	<a href="#">106TA1443</a>
	[On]-off-(on)	3	250	12	CWP-8S, RUNABOUT, IWP SUPER SERIES, GR-8, GR-12, GRC-12, QS-12R, GS-2032, GS-30, GS-2046, CWP SUPER SERIES, GS-1530	<a href="#">126TA5385</a>









TOGGLE SWITCHES						
	Position	Number of connections	Maximum voltage V	Current A	Used on	REF
	On–none–(on)	3	277	10	S-120, S-60, S-40, S-100, Z-60/34, Z-80/60, Z-34/22 IC, Z-30/20N, Z-34/22N, Z-25/8, Z-34/22IC, Z-34/22, Z34/22 DC, S-80X, Z-45/25, Z-45/25IC from serial n° 9996 to 99999, Z-51/30J, SX-180	<a href="#">123TA7602</a>
	On–none–on	3	250	12	Z34/22 IC POWER, Z30/20N, Z51/30J, Z45/25–Z45/25J, Z60/34, S80/85, S60/65(HC)TRAX	<a href="#">146TA1783</a>
	[On]–off–(on)	3	250	10	SX180, S40/45, GS2669/3369/4069DC, S60/65(X)(XC)(HC)(TRAX)	<a href="#">139TA1770</a>
	On–none–off	4	250	15	V-2470, V-1832, Z-45/22, Z-30/20, Z-30/20HD, V-4M, Z-45/22DC	<a href="#">146TA5676</a>
	[On]–off–(on)	6	277	10	Z-45/25, S-40, S-80, S-60, Z-60/34, Z-34/22 IC, Z-45/25J, Z-51/30J, Z-45/25IC from serial n° 9996 to 99999, Z-30/20N, Z-34/22N, Z-25/8, S-80X, Z-62/40	<a href="#">147TA2080</a>
	On–off–on	6	250	10	S-40, S-80, Z-34/22 IC, Z-45/25J, Z-60/34, Z-45/25	<a href="#">161TA1547</a>
	[On]–off–(on)	6	277	10	S60/65(X)(XC)(HC)(TRAX), Z45/25IC–Z45/25J IC, S51/30J, S60/65(HC)TRAX	<a href="#">127TA2721</a>



TOGGLE SWITCHES						
	Position	Number of connections	Maximum voltage V	Current A	Used on	REF
	On–none–(on)	6	250	12	S-40, S-60, S-80, Z-60/34, Z-34/22 IC, Z-45/25J, Z-51/30J, Z-45/25, Z-45/25IC from serial n° 9996 to 99999, Z-25/8, S-80X, Z-62/40	<a href="#">147TA2079</a>
	On–none–(on)	6	250	12	S60/65(X)(XC)(HC)(TRAX), Z45/25IC–Z45/25J IC, S51/30J	<a href="#">128TA3038</a>
	On–none–on	6	277	15	S-40, S-80, Z-60/34, Z-34/22 IC, Z-45/25J, Z-45/25, Z-45/25IC from serial n° 9996 to 99999, Z-30/20N, Z-34/22N, Z-45/22 MP	<a href="#">147TA2082</a>
	(On)–off–(on)	6	277	15	V2470/2470RT, Z45/22, Z34/22 IC POWER, Z60/34	<a href="#">128TA3039</a>

TEMPERATURE SWITCHES						
	Thread	Voltage V	Switch temperature °C	Maximum temperature °C	Used on	REF
	1/2" NPT male	30 DC	145 ± 2,8	149	Z-60/34, S-60, S-80, GS-3390, S-120, GS-2668 RT, S-100, GS-3384, Z-80/60, Z-135/70, S-40, GS-84, ZX-135/70, GS-2668RT, SX-180, GS-2668	<a href="#">139TA5225</a>
	M14 x 1,5 mm	6–24	150 ± 3	150	S40/45, S60/65, S80/85, GS3384, GS3390/4390/53, GS4390/5390, Z60/34, Z45/25(IC POWER), Z45/22	<a href="#">160TA7072</a>
	M14 x 1,5 mm	6–24	120 ± 3	120	SX180, S40/45, S60/65(X)(XC)(HC)(TRAX), S80/85, ZX135/70, GS2668/3268RT	<a href="#">128TA3257</a>
	M14 x 1,5 mm	6–24	130 ± 3	150	S-120, S-100, GS-3384, GS-84, Z-51/30J, Z-45/25, Z-45/25IC from serial n° 9996 to 99999, GS-3390	<a href="#">160TA9502</a>



## PROXIMITY SENSORS



- Length: 345 mm
- Switch type: limit switch
- Voltage: 100 VDC, 30 VDC, 12 VDC

Used on S-100, S-120, S-3800

**REF [147TA2102](#)**



**Kit contains:**

- 1 speed sensor
- 1 round sensor magnet
- 4 screws

Used on Z-40/23N, Z-40/23 N, Z-33/18, GS-2669BE, GS-2669DC

**REF [160TA6356](#)**



- Length: 1095 mm
- Diameter: 27,5 mm
- Switch type: tilt sensor

Used on Z-80/60

**REF [160TA8654](#)**

## ENCODER



- Diameter shaft: 10 mm
- Cable length: 970 mm
- Number of pins: 3

Used on S-100, S-120

**REF [160TA9073](#)**

## POTENTIOMETER



- Cable length: 500 mm
- Number of connections: 6

Used on Z-135/70, S-60, S-80X

**REF [138TA8528](#)**



TILT SENSORS						
	Height mm	Diameter mm	Detection	Switch type	Voltage V	REF
	13,2	43	35 min per 2 mm	Level bubble	No voltage required	<a href="#">161TA2024</a>
	14	100	1° per 5 mm	Level bubble	No voltage required	<a href="#">138TA7070</a>
	115	97	2,5-4°	Normally open	7-48 DC	<a href="#">161TA2000</a>
	115	96,5	4,5° 1,5 sec delay	Normally open	7-48 DC	<a href="#">161TA2116</a>
	111	96,5	2° front-to-back axis 3° side to side	Normally closed	10-30 DC at 1,5 A or 10-60 DC at 0,5 A	<a href="#">139TA1860</a>
	105	90	1,5°/3° 1,5 sec delay	Normally closed	7-48 DC	<a href="#">139TA1756</a>
	115	89	2°/4° 1,5 sec delay	Normally closed	7-48 DC	<a href="#">128TA2993</a>
	115	89	4,5° 1,5 sec delay	Normally open	7-48 DC	<a href="#">128TA2996</a>
	115	89	2°/3° 1,5 sec delay	Normally closed	7-48 DC	<a href="#">128TA2995</a>



## BATTERY DISCHARGE INDICATORS



- Voltage: 12-48 V
- Built-in diameter: 52 mm
- Connection: 8-pin molex connector

Used on Z-34/22N, Z-34/22 BI-ENERGY, Z-45/25, Z-45/25 BI-ENERGY, Z-30/20N, Z-34/22

**REF [161TA1950](#)**



- Voltage: 24 V
- Built-in diameter: 52 mm
- Connection: 2 x blade

Used on TMZ-34/19, TZ-50, V-2470, V-4M, Z-45/22DC

**REF [160TA9324](#)**



- Voltage: 36 V
- Built-in diameter: 52 mm
- Connection: LED tab

Used on Z-45/22, Z-30/20HD, Z-45/22 MP

**REF [161TA1824](#)**



- Voltage: 48 V
- Built-in diameter: 52 mm
- Connection: 2 wire tab

Used on Z-30/20N, Z-45/22DC, Z-45/25J, Z-34/22N, Z-25/8

**REF [161TA1439](#)**



- Voltage: 48 V
- Built-in diameter: 52 mm
- Connection: 2 wire tab

Used on Z30/20N, Z34/22N\_ Z34/22DC, Z45/25(J/DC/ BI-ENERGY)

**REF [161TA1985](#)**



## GLASS LEVEL GAUGE



- Length: 160 mm
- Width: 31,5 mm
- With thermometer

Used on S-100, S-120, S-3800, GS-2669BE, GS-3390, GS-2668RT, GS-2669DC, GS-3384

REF [160TA7729](#)

## OIL PRESSURE GAUGES



Built-in diameter: 52 mm

Used on S-40, S-60, S-80, Z-34/22 IC, Z-60/34, Z-34/22N, S-80X

REF [160TA7873](#)



Built-in diameter: 52 mm

Used on GS-3390, GS-3384, Z-45/25IC from serial n° 9996 to 99999, GS-2668 DC, Z-45/25, Z-135/70, ZX-135/70, S-100, S-120, S-3800, Z-80/60, Z-60/34, S-80, S-40, GS-2668DC

REF [161TA1451](#)

## HOUR METER



- Voltage: 10-80 VDC
- Depth: 53 mm
- Diameter: 56 mm
- Number of digits: 6

Used on GS-2046, GS-3390, Z-60/34, Z-34/22N, GR-12, S-80, Z-25/8, S-40, Z-30/20N, Z-45/25IC from serial n° 9996 to 99999, Z-45/22, Z-34/22IC, Z-45/25, S-60, RUNABOUT, Z-40/23N, TZ-50, GS-1530 from serial n° 00001 to 75999, TZ-34/20, GS-30, GR-8, GS-2668 DC, V-2470

REF [126TA6248](#)

## METER DASHBOARD



- DC current meter 0-30 A
- Built-in diameter: 50,5 mm

Used on GS-2046, Z-40/23N, RUNABOUT, Z-45/25, GS-2668 DC, GR-8, GS-2032, GS-1530 from serial n° 00001 to 75999, TMZ-34/19, TMZ-50/30, Z-45/25DC from serial n° 9996 to 99999, Z-45/25J, GS-2668DC

REF [161TA1555](#)



## ACCUMULATOR KIT



- Volume: 0,08 l
- Permissible operating pressure: 260 bar
- Oil port: 9/16" UNF
- Precharge pressure: 12,4 bar

Used on GS-2032, GS-1530 from serial n° 00001 to 75999, GS-2046

**REF [161TA1851](#)**

## ACCUMULATORS



- Volume: 0,08 l
- Permissible operating pressure: 260 bar
- Oil port: 9/16" UNF
- Precharge pressure: 34,5 bar

Used on S-100, S-120, Z-80/60

**REF [161TA5037](#)**



- Volume: 0,74 l
- Permissible operating pressure: 260 bar
- Oil port: 5/16"
- Precharge pressure: 12,4 bar

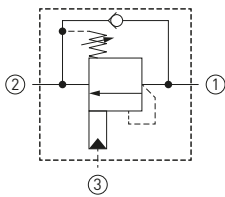
Used on GS1530 to GS 4047

**REF [128TA3222](#)**

## CARTRIDGE VALVES



- Width across flats: 22 mm
- Length: 86,5 mm
- Diameter nose: 19 mm

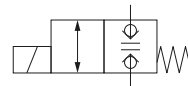


Used on Z-45/25IC from serial n° 9996 to 99999, Z-45/25, Z-51/30J, Z-45/25DC from serial n° 9996 to 99999, Z-45/25J, Z-33/18, Z-62/40

**REF [160TA9743](#)**



- Width across flats: 22 mm
- Length: 98,5 mm
- Diameter nose: 12,7 mm

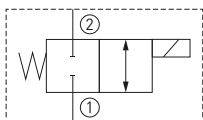


Used on TMZ-34/19, GS-3390, GS-2668 RT, GS-3384, GS-84, TZ-50, TZ-34/20, GS-2669BE, GS-2668RT, GS-2669DC, GS-2668

**REF [131TA9074](#)**



- Width across flats: 22,2 mm
- Length: 90,9 mm
- Diameter nose: 12,8 mm

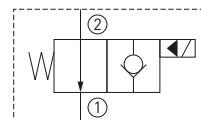


Used on Z-45/25, Z-45/25J, GS-3390, GS-84, Z-45/25DC from serial n° 9996 to 99999, GS-2668 RT, S-100, S-120, GTH-844, Z-80/60, GS-2668RT, GTH-636, GS-2668, GS-3384

**REF [160TA9885](#)**



- Width across flats: 22,4 mm
- Length: 103,9 mm
- Diameter nose: 13 mm



Used on Z-45/25, CWP-8S, IWP SUPER SERIES, Z-45/25DC from serial n° 9996 to 99999, Z-45/25J, CWP SUPER SERIES, GS-4047

**REF [139TA5137](#)**

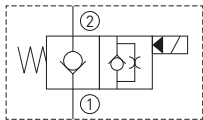




## CARTRIDGE VALVES



- Width across flats: 22,4 mm
- Length: 110,2 mm
- Diameter: 10,9 mm

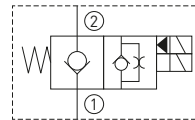


Used on GS-30, DPL-25S, GS-1530 from serial n° 00001 to 75999, AWP SUPER SERIES, GS-2646, GS-2032, GS-2046, GS-2646 AV

**REF [161TA1921](#)**



- Width across flats: 22,4 mm
- Length: 110,2 mm
- Diameter nose: 10,9 mm

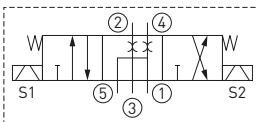


Used on GS-2668 RT, GS-2668 DC, GS-2668DC, GS-2669 DC, GS-2669BE, GS-2668RT, GS-2669DC, GS-2668

**REF [160TA8335](#)**



- Width across flats: 25,4 mm
- Length: 224,3 mm
- Diameter nose: 15,9 mm

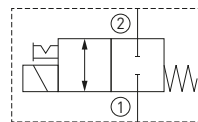


Used on GS-30

**REF [161TA1762](#)**



- Width across flats: 25,4 mm
- Length: 110,5 mm
- Diameter nose: 16 mm

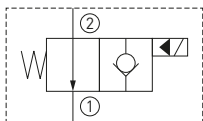


Used on GS-2668 DC, GS-2668 RT, GS-3390, GS-1530 from serial n° 00001 to 75999, GS-2668DC, GS-2668RT, GS-2668

**REF [161TA3713](#)**



- Width across flats: 25,4 mm
- Length: 122,2 mm
- Diameter nose: 15,8 mm

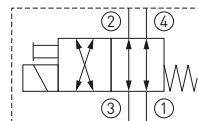


Used on GS-2668 DC, GS-2668 RT, GS-3390, GS-84, GS-2668DC, GS-2668RT, GS-2668, GS-3384

**REF [160TA6370](#)**



- Width across flats: 25,4 mm
- Length: 122,45 mm
- Diameter nose: 16 mm

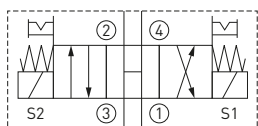


Used on GS-2046, GS-1530 from serial n° 00001 to 75999, GS-30, GS-2668 DC, GR-12, GS-2668 RT, GS-2032, GRC-12, QS-12R, GS-2668DC, GS-2668RT, GS-4047, GS-2668, GS-2646 AV

**REF [161TA1793](#)**



- Width across flats: 25,4 mm
- Length: 208,2 mm
- Diameter nose: 15,9 mm

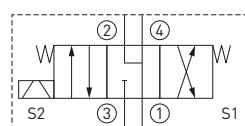


Used on GS-2046, GS-1530 from serial n° 00001 to 75999, GR-12, GS-2032, GS-30, GS-2668 RT, GRC-12, QS-12R, GS-2668RT, GS-2668

**REF [160TA8829](#)**



- Width across flats: 25,4 mm
- Length: 208,6 mm
- Diameter nose: 15,9 mm



Used on S-100, S-120, GTH-1048, S-3800, GTH-1056, SX-180

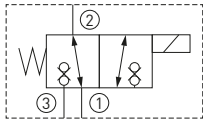
**REF [126TA5608](#)**



## CARTRIDGE VALVES



- Width across flats: 31,8 mm
- Length: 130,2 mm
- Diameter nose: 16 mm

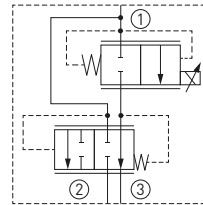


Used on Z-45/25, Z-45/25DC from serial n° 9996 to 99999, Z-45/25J

**REF 160TA9871**



- Width across flats: 31,8 mm
- Length: 156,2 mm
- Diameter nose: 20,4 mm

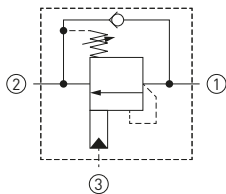


Used on GS-3390, GS-3384, GS-84

**REF 161TA1080**



- Width across flats: 22,2 mm
- Length: 85 mm
- Diameter nose: 19 mm

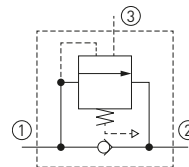


Used on Z-45/251C from serial n° 9996 to 99999, Z-40/23N, Z-45/25, TZ-50, Z-135/70, Z-51/30J, Z-45/25DC from serial n° 9996 to 99999, Z-45/25J, ZX-135/70, Z-40/23 N

**REF 160TA9735**



- Width across flats: 22,2 mm
- Length: 105 mm
- Diameter nose: 15 mm



Used on S40/45, S80/85, S60/65(X)(XC)(HC)(TRAX), Z60/34

**REF 139TA1852**

## CETOP VALVES



Voltage: 12 VDC

Used on S-40, S-80, Z-60/34, S-60

**REF 161TA1105**



Voltage: 24 VDC

Used on S-100, GS-3390, S-120, GS-3384, GS-84, GTH-1048, S-3800, GTH-1056, GTH-844, GTH-636

**REF 160TA7931**



## PRESSURE VALVES (FLOW)



- Check valve, pilot operated
- Thread: M16 x 1,5 mm
- Length: 63 mm

Used on GS-2046, Z-25/8, GS-1530 from serial n° 00001 to 75999, GS-2668 DC, GS-2668 RT, GS-2032, GS-2668DC, GS-2668RT

**REF [160TA9529](#)**



- Check valve
- Thread: 7/8" UNF
- Length: 100 mm

Used on GS-2046, S-100, Z-45/251C from serial n° 9996 to 99999, GS-1530 from serial n° 00001 to 75999, GS-2668 DC, GS-2668 RT, GS-3390, GS-2032, S-120, GS-3384, Z-51/30J, GS-84, S-3800, Z-45/25, GS-2668DC, GS-2668RT, GS-2668

**REF [160TA8258](#)**



- Flow divider
- Thread: M36 x 2 mm
- Length: 117 mm

Used on Z-135/70, ZX-135/70

**REF [160TA8002](#)**



- Flow divider
- Thread: 1 5/16" UNF
- Length: 117 mm

Used on S-60, S-80, Z-60/34, S-40, Z-45/22, Z-45/251C from serial n° 9996 to 99999, Z-45/25, S-100, S-120, Z-80/60, Z-51/30J, S-3800, S-80X

**REF [161TA1623](#)**



- Flow regulator valve
- Thread: 3/4" UNF
- Length: 47,6 mm

Used on Z-45/251C from serial n° 9996 to 99999, Z-45/25, Z-135/70, Z-51/30J, Z-45/25DC from serial n° 9996 to 99999, Z-45/25J, ZX-135/70

**REF [160TA8861](#)**



- Flow regulator valve
- Thread: 3/4" UNF
- Length: 47,6 mm

Used on Z-135/70, S-100, Z-45/251C from serial n° 9996 to 99999, S-120, Z-51/30J, GTH-1048, S-3800, GTH-1056, Z-45/25, ZX-135/70, SX-180

**REF [160TA9404](#)**



- Counterbalance valve 2500 psi
- Thread: M36 x 2 mm
- Length: 140,5 mm

Used on Z-135/70, ZX-135/70

**REF [160TA6793](#)**



- Counterbalance valve 2900 psi
- Thread: M20 x 1,5 mm
- Length: 106 mm

Used on GS-3390, GS-3384, GS-84

**REF [160TA9906](#)**



## PRESSURE VALVES (FLOW)



- Counterbalance valve 3000 psi
- Thread: M20 x 1,5 mm
- Length: 86,5 mm

Used on S-60, TZ-34/20, Z-135/70, Z-60/34, ZX-135/70, TZ-50

**REF [161TA1107](#)**



- Counterbalance valve 3200 psi
- Thread: M20 x 1,5 mm
- Length: 85 mm

Used on Z-30/20N, Z-34/22N, Z-34/221C, S-60, Z-34/22 IC, Z34/22 DC

**REF [160TA6306](#)**



- Counterbalance valve 3300 psi
- Thread: SLW 22 mm
- Length: 65,8 mm

Used on S-100, Z-34/22N, Z-60/34, Z-30/20N, Z-45/25, Z-45/251C from serial n° 9996 to 99999, S-80, S-40, Z-40/23N, Z-34/221C, TZ-50, S-60, S-120, Z-80/60, Z-135/70, Z-51/30J, Z-34/22, S-3800, Z-45/25J, Z-34/22 IC, Z34/22 DC, ZX-135/70, S-80X, Z-40/23 N, Z-62/40, SX-1

**REF [161TA2080](#)**



- Counterbalance valve 3500 psi
- Thread: M20 x 1,5 mm
- Length: 85,3 mm

Used on S-60, S-120, S-100, Z-80/60, Z-135/70, S-3800, ZX-135/70, Z-62/40, SX-180

**REF [160TA9046](#)**



- Counterbalance valve 3800 psi
- Thread: M20 x 1,5 mm
- Length: 85 mm

Used on Z-45/251C from serial n° 9996 to 99999, Z-45/25, Z-51/30J, Z-45/25DC from serial n° 9996 to 99999, Z-45/25J, Z-40/23N, Z-80/60, Z-40/23 N, Z-33/18

**REF [161TA1963](#)**



- Valve differential sensing 150 psi
- Thread: 7/8" UNF
- Length: 65 mm

Used on Z-60/34, S-60, S-40, S-80, Z-45/251C from serial n° 9996 to 99999, Z-45/22, Z-80/60, Z-135/70, Z-45/25, Z-45/221C, ZX-135/70

**REF [160TA9348](#)**



- Relief valve 3200 psi
- Thread: 3/4" UNF
- Length: 84,9 mm

Used on Z-45/251C from serial n° 9996 to 99999, Z-45/25, Z-51/30J, Z-45/25DC from serial n° 9996 to 99999, Z-45/25J

**REF [160TA9539](#)**



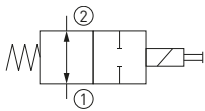
- Relief valve 3700 psi
- Thread: 3/4" UNF
- Length: 84,7 mm

Used on GS-30, GR-12, GS-1530 from serial n° 00001 to 75999, GS-2046, GS-2032, GRC-12, QS-12R, GS-4047, GS-2646 AV

**REF [160TA9878](#)**



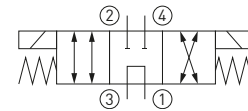
## ELECTRIC CARTRIDGES



- Voltage: 10 VDC
- Thread: 3/4" UNF
- Diameter nose: 12,7 mm

Used on Z-60/34, S-40, S-80

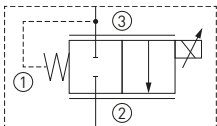
**REF [160TA9366](#)**



- Voltage: 24 VDC
- Thread: 3/4" UNF
- Diameter nose: 12,7 – 14,2 – 15,75 mm

Used on Z-80/60, Z-135/70

**REF [160TA7912](#)**

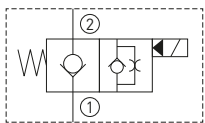


- Voltage: 24 VDC
- Thread: 7/8" UNF
- Diameter nose: 16 mm

Used on Z-45/25, Z-45/25DC from serial n° 9996 to 99999, Z-45/25J

**REF [160TA8656](#)**

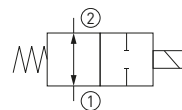
## CARTRIDGES WITH COIL



- Voltage 20 V
- AC/DC: DC
- Resistance: 25,4 Ω
- Diameter 1: 33,5 mm
- Diameter 2: 13 mm
- Length: 50,8 mm

Used on GS2032/3246, GS1530/1532/1930, GS30/32/46, GS1530/1930, GS2646/35AV

**REF [139TA1857](#)**



- Voltage: 10 V
- AC/DC: DC
- Resistance: 6,3 Ω
- Diameter: 12,8 mm
- Length: 86 mm

Used on Z-60/34, S-40, S-80

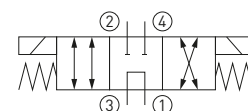
**REF [160TA9370](#)**



- Voltage: 12 V
- AC/DC: DC
- Resistance: 5,4 Ω
- Diameter 1: 45 mm
- Diameter 2: 22 mm
- Length: 165 mm

Used on Z-135/70, ZX-135/70

**REF [160TA9372](#)**



- Voltage: 20 V
- AC/DC: DC
- Resistance: 23,8 Ω
- Diameter: 13 mm
- Length: 144 mm

Used on Z-34/22N, Z-25/8, Z-30/20N, Z-34/22 BI-ENERGY, Z-34/22, Z-45/25 BI-ENERGY, Z34/22 DC

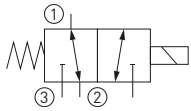
**REF [160TA9542](#)**



## CARTRIDGES WITH COIL



- Voltage: 10 V
- AC/DC: DC
- Resistance: 6,3 Ω
- Diameter: 12,8 mm
- Length: 89,3 mm



Used on Z-45/251C from serial n° 9996 to 99999, S-80, Z-80/60, Z-51/30J, S-40, Z-60/34, S-3800, Z-45/25

**REF [160TA9584](#)**



- Voltage: 12 V
- AC/DC: DC
- Resistance: 5,4 Ω
- Diameter 1: 45 mm
- Diameter 2: 22 mm
- Length: 165 mm

Used on Z-135/70, ZX-135/70

**REF [160TA9883](#)**



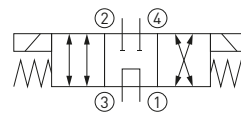
- Voltage: 12 V
- AC/DC: DC
- Resistance: 5,4 Ω
- Diameter 1: 45 mm
- Diameter 2: 22 mm
- Length: 165 mm

Used on Z-135/70, ZX-135/70, S-80X

**REF [161TA1083](#)**



- Voltage: 10 V
- AC/DC: DC
- Resistance: 6,5 Ω
- Diameter: 13 mm
- Length: 190 mm



Used on Z-45/251C from serial n° 9996 to 99999, Z-45/25

**REF [161TA1424](#)**



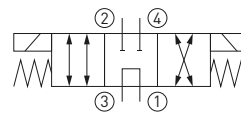
- Voltage: 12 V
- AC/DC: DC
- Resistance: 5,4 Ω
- Diameter 1: 45 mm
- Diameter 2: 22 mm
- Length: 146,5 mm

Used on S-60, Z-135/70, ZX-135/70, S-80X

**REF [161TA1426](#)**



- Voltage: 10 V
- AC/DC: DC
- Resistance: 6,3 Ω
- Diameter: 12,8 mm
- Length: 144 mm

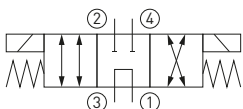


Used on Z-80/60, Z-60/34, S-80, Z-45/251C from serial n° 9996 to 99999, S-60, S-40, Z-45/25

**REF [161TA1850](#)**



- Voltage: 10 V
- AC/DC: DC
- Resistance: 6,5 Ω
- Diameter: 13 mm
- Length: 144 mm



Used on Z-34/221C, Z-45/251C from serial n° 9996 to 99999, Z-45/25, Z-34/22 IC

**REF [161TA1906](#)**

**Cartridges exist in a variety of dimensions and wiring diagrams. When placing an order, always provide the necessary info with regard to the wiring diagram, as cartridges may have identical dimensions yet be connected in different ways.**

**Diameter D1 is the nose of the cartridge. Diameter D2 is the diameter of the cartridge end on which the coil is mounted.**





COILS							
	Voltage V	AC/DC	Resistance Ω	Height mm	Diameter mm	Used on	REF
	10	DC	5,4	39,3	13	Z-60/34, S-80, ZX-135/70, S-80X, S-40, SX-180	<a href="#">161TA1334</a>
	10	DC	6,4	41,4	12,8	Z-60/34, S-80, S-40, Z-45/25IC from serial n° 9996 to 99999, S-60, Z-80/60, Z-51/30J, S-3800, Z-45/25	<a href="#">161TA2068</a>
	10	DC	6,3	52	16	Z-80/60, S-80, S-60, S-40, Z-135/70, Z-60/34, S-80X	<a href="#">161TA1802</a>
	10	DC	6,4	41,2	13	S-40, S-80, S-60, Z-45/25IC from serial n° 9996 to 99999, Z-45/25	<a href="#">131TA8098</a>
	10	DC	6,6	41	13,5	S-40, Z-60/34, S-80, S-60, Z-45/22, Z-45/22IC, GTH-644	<a href="#">161TA2066</a>
	10	DC	6,8	36,3	36,2	S-100, S-120, Z-60/34, Z-80/60, SX-180	<a href="#">161TA4661</a>
	12	DC	5,8	50	45	GS-3390, Z-45/25IC from serial n° 9996 to 99999, S-60, GS-3384, Z-51/30J, GS-84, Z-45/25	<a href="#">161TA1719</a>
	12	DC	6	51	45	GS-2668 DC, GS-2668 RT, GS-3390, GS-3384, GS-84, GTH-1048, GTH-1056, GS-2668DC, GR-12, GS-2668RT, GS-2668	<a href="#">131TA8291</a>
	12	DC	7,3	51,5	44	GS-2668 DC, GS-2668 RT, GS-3390, GS-3384, GS-2668DC, GS-2668RT	<a href="#">160TA8540</a>





COILS							
	Voltage V	AC/DC	Resistance Ω	Height mm	Diameter mm	Used on	REF
	12	DC	7,6	50	47	GS-3390, GS-2668 RT, Z-135/70, GS-3384, GS-84, GTH-1048, S-120, S-100, GTH-1056, ZX-135/70, S-3800, GS-2668RT, SX-180, GS-2668	<a href="#">131TA8398</a>
	12	DC	7,7	51	43,6	S-100, S-120, S-3800	<a href="#">126TA4792</a>
	12	DC	9,2	36	36	GTH-1048, S-100, Z-45/25IC from serial n° 9996 to 99999, GS-3390, GS-2668 RT, Z-135/70, GS-84, Z-51/30J, S-120, S-60, S-40, GTH-1056, Z-45/25, ZX-135/70, S-3800, GTH-844, Z-60/34, Z-62/40, GS-2668RT, GTH-636, GS-2668, GS-3384	<a href="#">131TA8400</a>
	12	DC	9,2	37,4	13,5	GS-2668 RT, GS-2668RT, GS-2668	<a href="#">160TA6756</a>
	20	DC	19,4	51	43,6	GS-2046, GS-2032, GS-1530 from serial n° 00001 to 75999	<a href="#">131TA8239</a>
	20	DC	19,7	51	44	Z-45/25, GS-30, GR-12, GS-1530 from serial n° 00001 to 75999, Z-45/25DC from serial n° 9996 to 99999, GRC-12, QS-12R, Z-45/25J, GS-2032, GS-4047, GS-2646 AV	<a href="#">131TA8381</a>
	20	DC	23,8	41	13	Z-34/22N, Z-25/8, Z-30/20N, Z-45/22, Z-34/22 BI-ENERGY, Z-34/22, Z-45/25DC from serial n° 9996 to 99999, Z-45/22DC, Z-45/25 BI-ENERGY, Z34/22 DC	<a href="#">161TA1833</a>
	20	DC	24,2	37,4	13	GS-2668 DC, GS-2032, GS-1530 from serial n° 00001 to 75999, GS-30, GS-2046, GS-2669 DC, GS-2668DC, GR-8, GRC-12, GR-12, QS-12R, GS-2669BE, GS-2669DC	<a href="#">161TA2013</a>



## ROTARY HEAD



Used on Z-45/25IC from serial n° 9996 to 99999, Z-34/22N, Z-40/23N, Z-30/20N, Z-45/25, Z-51/30J, Z34/22 DC, Z-60/34, GS-30, GS-2668 RT, S-60, Z-40/23 N, Z-33/18, Z-62/40, GS-2668RT, SX-180, GS-2668

**REF [160TA7041](#)**

## HYDRAULIC INTEGRATED CIRCUITS WITH CARTRIDGE



- Length: 89 mm
- Width: 76 mm

Used on Z-30/20N, Z-25/8, Z-40/23N, Z-34/22IC, Z-45/25, Z-34/22N, Z-60/34, Z-34/22, Z-45/25IC from serial n° 9996 to 99999, Z-45/25J, Z-34/22 IC, Z34/22 DC, TZ-50, Z-40/23 N

**REF [160TA6480](#)**



- Length: 88 mm
- Width: 75 mm

Used on S-100, Z-60/34, Z-45/25, S-80, S-40, Z-45/25IC from serial n° 9996 to 99999, S-60, S-120, Z-80/60, Z-135/70, Z-51/30J, S-3800, Z-45/25J, ZX-135/70, S-80X, Z-62/40, SX-180

**REF [161TA1437](#)**

## HYDRAULIC BRAKES



- Kit of 2 pieces
- Diameter: 240 mm

Used on GS2032/3246, GS1530/1532/1930, GS30/32/46, GS1530/1930, GS2646/35AV

**REF [139TA1884](#)**



Diameter: 101,6 mm

Used on Z34/22(N/DC/BI-ENERGY)Z34/22N-Z34/22DC, Z30/20N(RJ)

**REF [161TA2079](#)**



## BRAKE PARTS



Kit for Mico brake

Used on S-60, Z-60/34, S-40, Z-34/22IC, S-80, Z-34/22, Z-45/25IC from serial n° 9996 to 99999, Z-34/22G, Z-34/22 IC, Z-45/25

REF [160TA6708](#)



Kit for Ausco brake

Used on Z-34/22IC, GS-3390, Z-45/25IC from serial n° 9996 to 99999, Z-45/25, Z-34/22 IC

REF [128TA2950](#)



Lining kit

Used on Z-30/20N, Z-34/22N, Z-45/25, Z-45/25DC from serial n° 9996 to 99999, Z-45/25J

REF [160TA6627](#)



## HYDRAULIC CYLINDERS



- Steering cylinder
- Total measured length: 580 mm
- Diameter tube: 60,4 mm
- Diameter rod: 25 mm

Used on GS2669/3369/4069DC, GS2669/3369/4069R, S40/45, GS84/90, Z1/30J, Z45/25(J)

**REF [128TA3207](#)**



- Steering cylinder
- Total measured length: 980 mm
- Diameter tube: 73 mm
- Diameter rod: 45 mm
- Piston shaft stroke: 670 mm

Used on Z51/30J, Z45/25(J), Z45/25IC-Z45/25J IC, Z45/25(J/DC/BI-ENERGY), Z40/23N(RJ)

**REF [161TA1791](#)**



- Steering cylinder
- Total measured length: 308 mm
- Diameter tube: 60,7 mm
- Diameter rod: 19 mm
- Piston shaft stroke: 66 mm

Used on GS-2046, GS-2032, GS-1530 from serial n° 00001 to 75999

**REF [160TA7983](#)**



- Tilt cylinder or double-acting
- Total measured length: 820 mm
- Diameter tube: 86 mm
- Diameter rod: 40 mm

Used on Z-34/22N, Z-34/22IC, Z-30/20N, Z-34/22, Z-34/22 IC, Z-45/25 BI-ENERGY, Z34/22 DC

**REF [160TA8493](#)**



- Steering cylinder
- Total measured length: 465 mm
- Diameter tube: 60 mm
- Diameter rod: 25,4 mm

Used on Z45/25IC-Z45/25J IC, Z51/30J, S34/22IC, Z51/30J

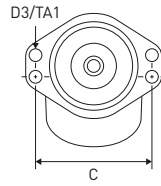
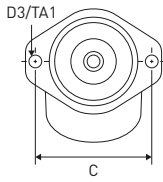
**REF [161TA2012](#)**



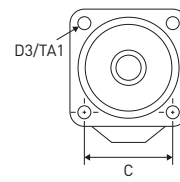
## HYDRAULIC MOTORS

### Type of flange

Type A



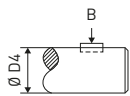
Type C



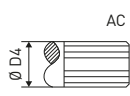
Type S  
Special shape,  
none of the  
previous types

### Type of shaft

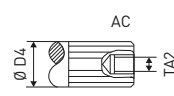
Type A



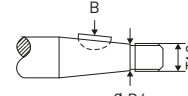
Type B



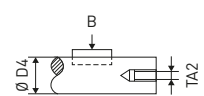
Type C



Type E



Type F



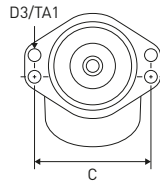
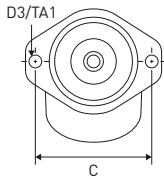
	Thread connections inch	Type of flange	Type of shaft	Total length mm	Used on	REF
	9/16" UNF	C	E	279	GS1530/1532/1930/1932, GS1530/3246, GS30/32/46	<a href="#">161TA1680</a>
	9/16" UNF	C	A	305	GS2668/3268RT	<a href="#">161TA1875</a>
	7/16" UNF	C	E	335	GS2668/3268RT	<a href="#">161TA1516</a>
	9/16" UNF	C	E	291	GS-4047	<a href="#">160TA7889</a>
	7/16" UNF	C	E	325	GS2668/3268DC, GS2668/3268RT	<a href="#">128TA3138</a>



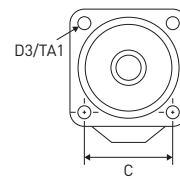
## HYDRAULIC MOTORS

### Type of flange

Type A



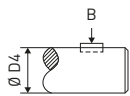
Type C



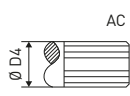
Type S  
Special shape,  
none of the  
previous types

### Type of shaft

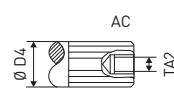
Type A



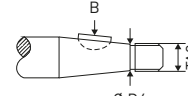
Type B



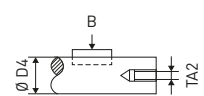
Type C





Type E



Type F



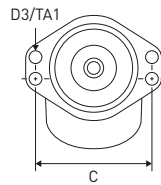
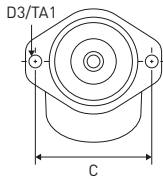
	Thread connections inch	Type of flange	Type of shaft	Total length mm	Used on	REF
	7/8" UNF	C	E	220	GRC-12, GR-12, RUNABOUT, GR-8, QS-12R	<a href="#">160TA6698</a>
	7/8" UNF	C	E	285	GS-2032, GS-2046	<a href="#">131TA9504</a>
	9/16" UNF + 9/16" UNF	S	E	285	GS-30, GS-1530 from serial n° 00001 to 75999, GS-2032, GS-2046	<a href="#">161TA1951</a>
	9/16" UNF	C	E	276	GS-1530 from serial n° 00001 to 75999	<a href="#">160TA7811</a>
	9/16" UNF	C	E	297	GS2668/3268DC, GS2668/3268RT	<a href="#">131TA6872</a>



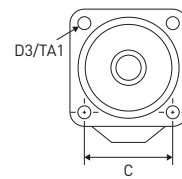
## HYDRAULIC MOTORS

### Type of flange

Type A



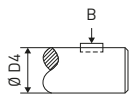
Type C



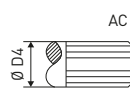
Type S  
Special shape,  
none of the  
previous types

### Type of shaft

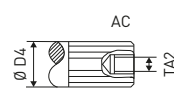
Type A



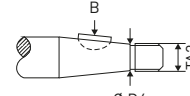
Type B



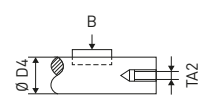
Type C



Type E



Type F



	Thread connections inch	Type of flange	Type of shaft	Total length mm	Used on	REF
	9/16" UNF	A	C	291	Z-45/25, Z-45/25IC from serial n° 9996 to 99999, Z-45/25DC from serial n° 9996 to 99999, Z-45/25J	<a href="#">160TA9028</a>
	7/8" UNF	A	A	184	Z-45/22, Z-30/20N, Z-34/22N, Z-34/22IC, Z-34/22 BI-ENERGY, Z-34/22, Z-45/25DC from serial n° 9996 to 99999, Z-34/22G, Z-34/22 IC, Z-45/22DC, Z-45/25 BI-ENERGY, Z-45/22IC, Z34/22 DC, Z-45/22 MP	<a href="#">131TA6880</a>
	7/16" UNF	S	B	431	Z51/30J, Z45-25(J), A45/25(IC POWER), Z40/23N-Z40-23N RJ, Z45/25(J/DC/BI-ENERGY)	<a href="#">161TA5030</a>
	7/8" UNF	A	F	207	Z-60/34, S-40	<a href="#">161TA1001</a>





## PART HYDRAULIC MOTOR



- Length: 210 mm
- Diameter of the hole: 15,7 mm

Used on GS-2668 DC, GS-2668DC, GS-2668RT, GS-2668

REF [160TA9544](#)

## HYDRAULIC OIL TANKS



- Length: 405 mm
- Width: 305 mm
- Height: 240 mm

Used on GS30/32/46, GS1530/3246, GS1530/1532/1930/1932, GS2646AV/35

REF [161TA1366](#)



- Kit
- Length: 320 mm
- Width: 240 mm
- Height: 420 mm

Used on Z-45/25 BI-ENERGY, Z-34/22N, Z-30/20N, Z-34/22

REF [161TA1375](#)



## HYDRAULIC PUMPS



- Total length: 119 mm
- Neck diameter: 82,5 mm
- Direction of rotation: CCW
- Material of housing: aluminium

**REF [160TA8999](#)**



- Kit hydraulic tank
- Total length: 119 mm
- Neck diameter: 82,5 mm
- Direction of rotation: CCW
- Material of housing: aluminium

Used on GS-2046, GS-1530 from serial n° 00001 to 75999, GS-2032

**REF [161TA1180](#)**



- Total length: 119 mm
- Neck diameter: 82,5 mm
- Direction of rotation: CCW
- Material of housing: aluminium

Used on GS-2669 DC, GS-2669BE, GS-2669DC

**REF [161TA4344](#)**



- Total length: 131 mm
- Neck diameter: 82,5 mm
- Direction of rotation: CW
- Material of housing: aluminium

Used on GS-2668 DC, GS-2668DC

**REF [160TA9764](#)**



- Total length: 132 mm
- Neck diameter: 82,5 mm
- Direction of rotation: CW
- Material of housing: aluminium

Used on Z-45/251C from serial n° 9996 to 99999, Z-45/25, Z-45/221C

**REF [161TA1484](#)**



- Total length: 138 mm
- Neck diameter: 82,5 mm
- Direction of rotation: CW
- Material of housing: aluminium

Used on Z-45/251C from serial n° 9996 to 99999, Z-51/30J, Z-45/25, GS-3384

**REF [161TA1471](#)**



- Total length: 150 mm
- Neck diameter: 82,5 mm
- Direction of rotation: CW
- Material of housing: metal

Used on S-60

**REF [160TA8957](#)**



- Total length: 152 mm
- Neck diameter: 82,5 mm
- Direction of rotation: CW
- Material of housing: aluminium

Used on S-80, S-40, S-60

**REF [160TA8810](#)**



## HYDRAULIC PUMPS



- Total length: 152 mm
- Neck diameter: 82,55 mm
- Direction of rotation: CW
- Material of housing: aluminium

Used on S-80, S-40, S-60

**REF [161TA1904](#)**



- Total length: 196 mm
- Neck diameter: 82,5 mm
- Direction of rotation: CW
- Material of housing: aluminium

Used on GS-2668 DC, GS-2668 RT, GS-2668DC, GS-2668RT

**REF [160TA9949](#)**



- Total length: 212 mm
- Neck diameter: 82,5 mm
- Direction of rotation: CW
- Material of housing: aluminium + metal

Used on S-60

**REF [160TA9484](#)**



- Total length: 212 mm
- Neck diameter: 82,5 mm
- Direction of rotation: CW
- Material of housing: aluminium + metal

Used on S-60

**REF [161TA1543](#)**



- Total length: 225 mm
- Neck diameter: 82,5 mm
- Direction of rotation: CW
- Material of housing: aluminium

Used on S-80, S-60

**REF [139TA1871](#)**



- Total length: 235 mm
- Neck diameter: 82,5 mm
- Direction of rotation: CW
- Material of housing: aluminium

Used on Z-60/34, S-40

**REF [160TA6751](#)**



- Total length: 78 mm
- Neck diameter: 45,2 mm
- Direction of rotation: CW
- Material of housing: metal

Used on Z-34/22N, Z-25/8, Z-45/25, Z-30/20N, Z-45/22, Z-40/23N, Z-34/22 BI-ENERGY, Z-34/22, Z-45/25DC from serial n° 9996 to 99999, Z-45/22DC, Z-45/25J, Z-45/25 BI-ENERGY, Z34/22 DC, Z-40/23 N

**REF [128TA3125](#)**



- Total length: 88,3 mm
- Neck diameter: 32 mm
- Direction of rotation: CCW
- Material of housing: aluminium

Used on TZ-34/20

**REF [160TA9488](#)**



## HYDRAULIC PUMP GROUPS



- Total length: 253 mm
- Direction of rotation motor: CCW
- Voltage: 12 V

Used on S-80, S-60, S-40, S-80X, Z-62/40

**REF [160TA9545](#)**



- Total length: 256 mm
- Direction of rotation motor: CCW
- Voltage: 12 V

Used on GS84/90, GS3390/5390, GS3390/4390/53, Z34/22IC, Z45/25(IC POWER)

**REF [161TA1753](#)**



- Total length: 303 mm
- Direction of rotation motor: CW
- Voltage: 12 V

Used on S-120, S-100, Z-80/60, S-3800

**REF [161TA1491](#)**



- Total length: 211 mm
- Direction of rotation motor: CW
- Voltage: 24 V

Used on Z30/20N, Z40/23N(RJ), Z34/22(N/DC/BI-ENERGY), Z45/25(J/DC/BI-ENERGY)

**REF [161TA2035](#)**



- Total length: 277 mm
- Direction of rotation motor: CW
- Voltage: 24 V

Used on Z-135/70, ZX-135/70, SX-180

**REF [160TA7995](#)**



- Total length: 688 mm
- Direction of rotation motor: CW
- Voltage: 24 V

Used on GR-20J

**REF [160TA5930](#)**



## BRAKE REGULATOR/DISTRIBUTOR



Service kit brake release

Used on GS-2668 DC, GS-2032, GS-2668 RT, GS-1530 from serial n° 00001 to 75999, GS-2046, GS-2668DC, GS-2668RT, GS-30, GS-2668

**REF [161TA1173](#)**

## PART OF VALVE



- Hand pump valve
- Length: 134 mm

Used on GS-2046, Z-25/8, GS-1530 from serial n° 00001 to 75999, GS-2668 DC, GS-2668 RT, GS-2032, GS-2668DC, GS-2668RT

**REF [160TA9982](#)**



- Hand pump valve
- Length: 153 mm

Used on GS-30, GR-12, GS-1530 from serial n° 00001 to 75999, GS-2668 DC, GS-2032, GS-2668 RT, GRC-12, QS-12R, GS-2668DC, GS-2668RT, GS-4047, GS-2668, GS-2646 AV

**REF [161TA1889](#)**



Pilot valve

Used on GS-30, GR-12, GS-1530 from serial n° 00001 to 75999, GS-2668 DC, GS-2032, GS-2668 RT, GRC-12, QS-12R, GS-2668DC, GS-2668RT, GS-4047, GS-2668, GS-2646 AV

**REF [161TA1650](#)**



## EXHAUST PIPES



- Length: 250 mm
- Outer diameter smallest tube: 51 mm
- Outer diameter biggest tube: 63 mm

Used on S-80, S-120, Z-135/70, S-100, Z-80/60, S-60, S-3800, ZX-135/70, S-80X, Z-62/40, SX-180

**REF [134TA6174](#)**



- Length: 375 mm
- Outer diameter smallest tube: 48 mm
- Outer diameter biggest tube: 48 mm

Used on Z-45/25IC from serial n° 9996 to 99999, Z-51/30J, Z-45/25

**REF [134TA6016](#)**



- Length: 75 mm
- Outer diameter smallest tube: 125 mm
- Outer diameter biggest tube: 125 mm

Used on S-80, S-60, Z-135/70, S-100, S-120, Z-80/60, S-3800, ZX-135/70, S-80X, Z-45/25, Z-51/30J

**REF [134TA6035](#)**



- Length: 245 mm
- Outer diameter smallest tube: 35 mm
- Outer diameter biggest tube: 48 mm

**REF [161TA1588](#)**



## MUFFLERS



- Length of the muffler: 435 mm
- Diameter body: 218 mm
- Outer diameter smallest tube: 67 mm
- Outer diameter biggest tube: 67 mm

Used on S-120, S-80, S-100, Z-135/70, Z-80/60, S-60, S-3800, ZX-135/70, S-80X, Z-62/40, SX-180

**REF [161TA4391](#)**



- Gasket for muffler
- Length: 68 mm
- Diameter: 36 mm
- Material: metal

Used on GS2669/3369/4069R, GS2668/3268RT, Z45/22MP, Z34/22IC, Z34/22(N/DC/BI-ENERGY)

**REF [128TA3234](#)**





## FILLER CAPS



- Height: 27,5 mm
- Outer diameter: 73 mm
- Inner diameter: 38 mm

Used on S-40, Z-60/34, S-80, Z-34/22IC, Z-45/22, S-60, GS-3384, Z-34/22, Z-34/22G, Z-34/22 IC, Z-45/22 MP

**REF [160TA6735](#)**



- Height: 35 mm
- Outer diameter: 68 mm
- Inner diameter: 40 mm

Used on S-40, GS-3390, Z-60/34, Z-34/22IC, S-80, Z-45/25IC from serial n° 9996 to 99999, GS-2668 RT, S-60, GS-3384, GS-84, Z-80/60, Z-45/25, Z-34/22 IC, GS-2668RT, GS-2668

**REF [161TA1495](#)**



- Height: 57,2 mm
- Outer diameter: 74 mm
- Inner diameter: 45 mm

Used on S-40, S-60, Z-60/34, Z-80/60, GS-84, Z-45/25, Z-45/25IC from serial n° 9996 to 99999, S-80X, Z-34/22 IC, Z-62/40, GS-2668RT, GS-3384

**REF [160TA5553](#)**



- Height: 57,3 mm
- Outer diameter: 74 mm
- Inner diameter: 45 mm

Used on GS-2669BE, GS-2668RT

**REF [160TA9011](#)**



## HAND PRIMER PUMP



- Manual pump with plastic connections
- Total height: 43 mm

Used on Z-34/22IC, Z-45/25IC from serial n° 9996 to 99999, GS-2668 RT, TML-4000, Z-34/22 IC, S-60, S-40, Z-45/25, Z-62/40, GS-2668RT, GS-2668

REF [160TA6128](#)

## FUEL PUMPS

	Total height mm	Centre distance mm	Number of holes	Used on	REF
	76,0	36,0	2	Z-45/25, Z-34/22N, Z-34/22 BI-ENERGY, Z-45/25DC from serial n° 9996 to 99999, Z-45/25J, Z-45/25 BI-ENERGY, Z34/22 DC, Z-34/22	<a href="#">160TA6129</a>
	79,0	44,5	4	S-80, S-40, S-60, Z-80/60	<a href="#">160TA6631</a>
	83,0	73,0	2	S-80, GS-84, Z-60/34, Z-135/70, S-100, S-120, S-40, S-60, S-3800, Z-80/60, ZX-135/70, S-80X, Z-62/40, GS-3390, SX-180, GS-3384	<a href="#">160TA3991</a>
	90,0	36,0	2	Z-45/22, Z-34/22IC, GS-2668 RT, Z-34/22, Z-34/22G, Z-34/22 IC, Z-45/22 MP, GS-2668RT, GS-2668	<a href="#">152TA3228</a>
	95,5	53,5	3	S-80, S-120, S-100, Z-80/60	<a href="#">106TA6420</a>
	128,5	72,5	2	S80/85, S60/65, S40/45, S60, S40, Z60/34	<a href="#">151TA2354</a>



## INJECTION PUMP DIESEL



Used on Z-34/22IC, GS-2668 RT, Z-34/22, Z-34/22G, Z-34/22 IC, GS-2668RT, GS-2668

REF [160TA9571](#)

## MOTOR - COIL ENGINE STOPS

	Voltage V	Type of current	Function	Mounting side	Length mm	REF
	12	DC	Pull	Both sides	59,7	<a href="#">151TA2362</a>
	12	DC	Push	Both sides	68,5	<a href="#">128TA3245</a>
	12	DC	Push	Both sides	68,5	<a href="#">151TA2997</a>
	12	DC	Pull	Both sides	71,0	<a href="#">128TA3249</a>
	12	DC	Pull	Both sides	71,0	<a href="#">128TA3248</a>
	12	DC	Pull	Without	88,0	<a href="#">160TA6736</a>



MOTOR - COIL ENGINE STOPS						
	Voltage V	Type of current	Function	Mounting side	Length mm	REF
	12	DC	Pull	Left side	97,0	<a href="#">161TA1510</a>
	12	DC	Pull	Both sides	153,3	<a href="#">122TA7877</a>
	12	DC	Pull	Both sides	159,5	<a href="#">139TA5150</a>
	12	DC	Pull	Both sides	161,0	<a href="#">122TA7878</a>
	12	DC	Pull	Both sides	162,0	<a href="#">135TA2505</a>
	12	DC	Pull	Both sides	162,0	<a href="#">161TA2029</a>
	12	DC	Pull	Both sides	162,5	<a href="#">161TA1774</a>
	12	DC	Pull	Both sides	196,0	<a href="#">128TA3247</a>
	12	DC	Pull	Both sides	196,0	<a href="#">122TA7879</a>



## SHUTDOWN KIT



- Shutdown kit
- Voltage: 12 VDC
- Length: 133 mm

Used on Z-45/22, Z-45/22IC

REF [160TA8447](#)

## OIL DIPSTICKS



- Length: 503 mm
- Diameter: 10 mm

Used on Z-45/22, Z-34/22IC, GS-2668 RT, Z-34/22, Z-34/22G, Z-34/22 IC, Z-45/22 MP, GS-2668RT, GS-2668

REF [160TA7686](#)



- Length: 280 mm
- Diameter: 12,5 mm

Used on S-60, S-40, Z-60/34, GS-84, Z-51/30J, Z-45/25, Z-45/25IC from serial n° 9996 to 99999, Z-62/40, GS-3390, GS-3384

REF [160TA9835](#)



- Length: 292 mm
- Diameter: 12,7 mm

Used on GS-3390, S-80, S-40, GS-3384, Z-45/22, Z-45/25, S-60, S-120, S-100, S-3800, Z-60/34, GS-84, Z-80/60, Z-135/70, ZX-135/70, S-80X, Z-62/40, SX-180

REF [160TA2706](#)



## RADIATORS



- Length: 415 mm
- Width: 60 mm
- Height: 450 mm
- Without oil cooler

Used on Z-34/22IC, GS-2668 RT, Z-34/22 IC, GS-2668RT, GS-2668

**REF [161TA1767](#)**



- Length: 335 mm
- Width: 67 mm
- Height: 260 mm
- Type oil cooler: radiator

Used on GS2669/3369/4069R, SX180, S40/45, S100/105, S120/125, GS84/90, S60/65(X)(XC)(HC)(TRAX), GS3384, GS2668/3268RT, S60/65(HC)TRAX

**REF [139TA1859](#)**

## RADIATOR CAP



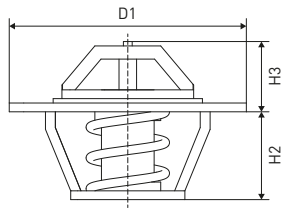
- 14 psi
- Length: 49 mm
- Width: 15 mm
- Height: 29,5 mm

Used on Z-45/25, Z-34/22N, Z-34/22 BI-ENERGY, Z-45/25DC from serial n° 9996 to 99999, Z-45/25J, Z-45/25 BI-ENERGY, Z34/22 DC

**REF [106TA4437](#)**



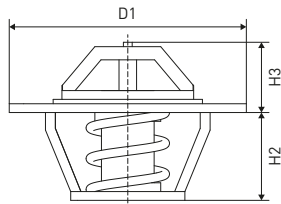
## THERMOSTATS



- Outer diameter (D1): 43,6 mm
- Height engine side (H2): 19,4 mm
- Height radiator side (H3): 18 mm
- Opening temperature: 71 °C

Used on Z-34/22 IC, GS-2668 RT, GS-2668RT, GS-2668

**REF [152TA7167](#)**



- Outer diameter (D1): 38 mm
- Height engine side (H2): 45,5 mm
- Height radiator side (H3): 16,5 mm
- Opening temperature: 71 °C

**REF [128TA3260](#)**

## WATER PUMPS



- Sort of water pump: flange
- Total height: 110 mm
- Maximum length: 184 mm
- Gasket included: yes

Used on Z-34/22IC, Z-34/22 IC, GS-2668 RT, GS-2668, GS-2668RT

**REF [141TA2035](#)**



- Sort of water pump: flange
- Total height: 109 mm
- Maximum length: 183 mm
- Gasket included: yes

Used on Z-45/22, Z-34/22IC, GS-2668 RT, Z-34/22, Z-34/22G, Z-34/22 IC, Z-45/22 MP, GS-2668RT, GS-2668

**REF [141TA9021](#)**



- Sort of water pump: flange
- Total height: 84 mm
- Maximum length: 159 mm
- Gasket included: no

Used on Z-45/25, Z-34/22N, Z-34/22 BI-ENERGY, Z-45/25DC from serial n° 9996 to 99999, Z-45/25J, Z34/22 DC, Z-34/22

**REF [141TA9032](#)**





RUBBER HOSES PREFORMED						
	Kind of hose	Number of curves	Minimum length mm	Inner diameter mm	Used on	REF
	Air hose	2	480	68	Z-45/25IC from serial n° 9996 to 99999, S-60, S-40, Z-51/30J, Z-45/25, Z-62/40	<a href="#">160TA6084</a>
	Water hose	1	45	9	Z-34/22N, Z-45/22, Z-34/22IC, Z-34/22 BI-ENERGY, GS-2668 RT, Z-34/22, Z-34/22G, Z-34/22 IC, Z-45/25 BI-ENERGY, Z34/22 DC, Z-45/22 MP, GS-2668RT, GS-2668	<a href="#">160TA8979</a>
	Water hose	2	136	27	Z-45/22, Z-34/22IC, GS-2668 RT, Z-34/22, Z-34/22G, Z-34/22 IC, Z-45/22 MP, GS-2668RT, GS-2668	<a href="#">160TA8233</a>
	Water hose	2	64	26	GS-2668 RT, GS-2668RT, GS-2668	<a href="#">160TA6732</a>
	Water hose	1	80	22	Z-45/22, Z-45/25, Z-34/22IC, Z-34/22N, Z-34/22 BI-ENERGY, GS-2668 RT, Z-34/22, Z-34/22G, Z-45/25DC from serial n° 9996 to 99999, Z-34/22 IC, Z-45/25J, Z-45/25 BI-ENERGY, Z34/22 DC, Z-45/22 MP, GS-2668RT, GS-2668	<a href="#">160TA9486</a>

## GASKET VALVE COVER



- Thickness: 5,2 mm
- Material: rubber

Used on Z-45/22, Z-34/22IC, GS-2668 RT, Z-34/22, Z-34/22G, Z-34/22 IC, Z-45/22 MP, GS-2668RT, GS-2668

REF [161TA4375](#)



## SPARK PLUG

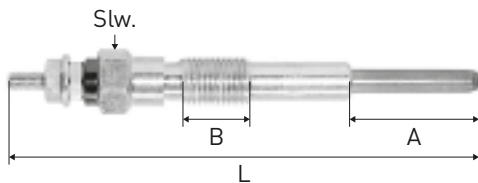


- Number of ground electrodes: 1
- Thread: M14
- Pitch: 1,25 mm
- Length: 76 mm
- RH/LH thread: RH

Used on GS-3390, S-40, S-80, Z-60/34, S-60, GS-3384, Z-45/22, Z-45/25IC from serial n° 9996 to 99999, Z-45/25, Z-45/22IC

REF [161TA1576](#)

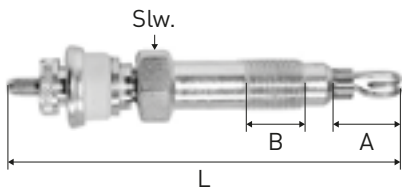
## GLOW PLUGS



- Type: sheathed glow plug
- Voltage: 11 V
- Thread (Slw): M8
- Total length: 76 mm
- Length A: 19 mm
- Length B: 12 mm

Used on Z-45/25, Z-34/22 BI-ENERGY, Z-34/22N, Z-45/25DC from serial n° 9996 to 99999, Z-45/25J, Z-45/25 BI-ENERGY, Z34/22 DC, Z-34/22IC, GS-2668 RT, Z-34/22 IC, Z-34/22, GS-2668RT, GS-2668

REF [106TA8406](#)



- Type: wire glow plug
- Voltage: 11 V
- Thread (Slw): M22
- Total length: 89 mm
- Length A: 52 mm
- Length B: 7 mm

Used on GS-3390, S-40, Z-60/34, Z-45/25IC from serial n° 9996 to 99999, S-60, Z-45/25, S-80, GS-3384, Z-51/30J, Z-45/22, GS-84, Z-62/40

REF [160TA9751](#)

## VAPORISER, REGULATOR



Used on Z-60/34, S-80, S-40, S-60, Z-45/22, Z-45/22IC

REF [107TA9102](#)



## EXHAUST MANIFOLD



Holes diameter: 4 x M8 x 1,25 mm/3 x 26 mm

Used on Z-45/22, Z-34/22IC, GS-2668 RT, Z-34/22, Z-34/22G, Z-34/22 IC, Z-45/22 MP, GS-2668RT, GS-2668

**REF [161TA1053](#)**

## SPARK ARRESTOR



Diameter: 127 mm

Used on Z-45/22, Z-34/22IC, Z-34/22N, Z-34/22 BI-ENERGY, Z-34/22, Z-45/22D, Z-34/22G, Z-34/22 IC, Z-45/25 BI-ENERGY, Z34/22 DC, Z-45/22 MP

**REF [139TA1786](#)**

## ALTERNATORS



- Voltage: 110 V
- Current: 30 A

Used on S-100, Z-45/25IC from serial n° 9996 to 99999, S-80, S-60, S-120, Z-135/70, Z-80/60, Z-51/30J, Z-45/25, ZX-135/70, S-80X

**REF [161TA1962](#)**



- Voltage: 12 V
- Current: 45 A

Used on Z-45/22, Z-34/22IC, GS-2668 RT, Z-34/22, Z-34/22G, Z-34/22 IC, Z-45/22 MP, GS-2668RT, GS-2668

**REF [152TA4093](#)**



- Voltage: 12 V
- Current: 55 A

Used on S-80, S-120, S-100, Z-80/60

**REF [160TA8390](#)**



- Voltage: 12 V
- Current: 60 A

Used on GS-3390, S-40, Z-45/25IC from serial n° 9996 to 99999, S-80, S-60, GS-3384, Z-60/34, Z-51/30J, Z-45/22, GS-84, Z-45/25, Z-62/40

**REF [151TA2355](#)**



- Voltage: 12 V
- Current: 65 A

Used on S-80, S-40, S-60, Z-80/60

**REF [103TA3755](#)**



- Voltage: 12 V
- Current: 85 A

Used on Z-60/34, Z-45/25IC from serial n° 9996 to 99999, S-60, S-40, Z-45/25, Z-62/40

**REF [165TA3880](#)**



## ALTERNATORS



- Voltage: 12 V
- Current: 80 A

Used on S-80, Z-135/70, S-100, S-120, Z-80/60, S-60, S-3800, ZX-135/70, S-80X, Z-62/40, SX-180

**REF [161TA1666](#)**



- Voltage: 12 V
- Current: 85 A

Used on S-120, S-100, Z-135/70, GTH-1048, GTH-1056, ZX-135/70, GTH-844, SX-180

**REF [161TA2371](#)**



- Voltage: 48 V
- Current: 100 A

Used on Z-34/22N, Z-45/25, Z-34/22 BI-ENERGY, Z-45/25J, Z-45/25 BI-ENERGY, Z-45/25DC from serial n° 9996 to 99999, Z34/22 DC, Z-34/22

**REF [161TA1917](#)**

## STARTERS



- Voltage: 12 V
- Power: 0,8 kW
- Number of teeth: 9

Used on Z-45/22, Z-34/22IC, Z-34/22, GS-2668 RT, Z-34/22G, Z-34/22 IC, Z-45/22 MP, GS-2668RT, GS-2668

**REF [152TA4552](#)**



- Voltage: 12 V
- Power: 1 kW
- Number of teeth: 9

Used on Z-34/22IC, GS-2668 RT, Z-34/22 IC, GS-2668RT, GS-2668

**REF [103TA3220](#)**



- Voltage: 12 V
- Power: 1,4 kW
- Number of teeth: 10

Used on GS-3390, S-80, S-40, Z-45/25IC from serial n° 9996 to 99999, Z-60/34, S-60, GS-3384, Z-45/22, GS-84, Z-80/60, Z-45/25, Z-45/22IC

**REF [103TA3390](#)**



- Voltage: 12 V
- Power: 0,8 kW
- Number of teeth: 9

Used on Z34/22(N/DC/BI-ENERGY), Z34/22 BI-ENERGY, Z45/25(J)

**REF [135TA5446](#)**



## STARTERS



- Voltage: 12 V
- Power: 2 kW
- Number of teeth: 9

Used on Z-45/25IC from serial n° 9996 to 99999, Z-60/34, S-60, S-40, Z-45/25

**REF [160TA3315](#)**



- Voltage: 12 V
- Power: 2,6 kW
- Number of teeth: 9

Used on S-60, S-40, S-120, S-80, S-100, S-3800, Z-60/34, GS-3384, Z-45/25, GS-84, Z-80/60, Z-135/70, Z-51/30J, Z-45/25IC from serial n° 9996 to 99999, GS-3390, ZX-135/70, S-80X, GTH-5519, GTH-3007FMS, GTH-3007, GTH-2506, Z-62/40, SX-180

**REF [135TA5465](#)**



- Voltage: 12 V
- Power: 2,1 kW
- Number of teeth: 10

Used on S-80, S-40, S-60, Z-80/60

**REF [103TA3314](#)**



- Voltage: 12 V
- Power: 3,2 kW
- Number of teeth: 10

Used on S-120, S-100, Z-135/70, GTH-1048, GTH-1056, ZX-135/70, GTH-844, SX-180

**REF [152TA9307](#)**



- Voltage: 12 V
- Power: 3,9 kW
- Number of teeth: 10

Used on S-120, S-100

**REF [103TA3143](#)**



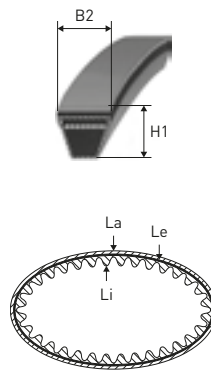
- Voltage: 12 V
- Power: 3,2 kW
- Number of teeth: 11

Used on S40/45, GS3384, GS3390/4390/53, Z60/34, Z51/30J, Z45/25(IC POWER), Z45/22, Z45/25Z-Z45/25J

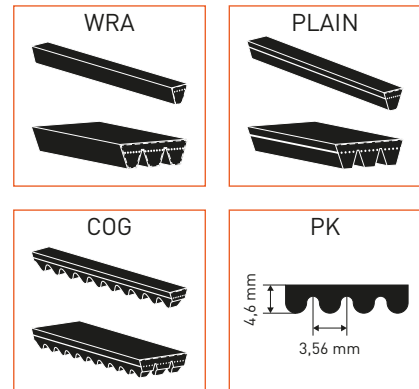
**REF [144TA9229](#)**



## V-BELTS



### Type of belt



La mm	Li mm	H1 mm	B2 mm	Type of belt	Used on	REF
723	672	8	9	COG	Z34/22(N/DC/BI-ENERGY), Z34/22 BI-ENERGY	<a href="#">128TA3241</a>
850	795	8,7	9	COG	Z45/25(J/DC/BI-ENERGY), Z45/25(J)	<a href="#">128TA3243</a>
875	827	7,7	9,8	COG	Z-45/25, Z-34/22N, Z-34/22 BI-ENERGY, GS-2668 RT, Z-45/25DC from serial n° 9996 to 99999, Z-45/25J, Z-45/25 BI-ENERGY, Z34/22 DC, TML-4000N, TML-4000, Z-34/22, GS-2668RT, GS-2668	<a href="#">106TA9056</a>
890	850	9	13	COG	S-100, S-60, S-120, Z-135/70, ZX-135/70	<a href="#">106TA9082</a>
950	843	7,5	10	COG	Z-45/22, Z-34/22IC, GS-2668 RT, Z-34/22, Z-34/22G, Z-34/22 IC, Z-45/22 MP, GS-2668RT, GS-2668	<a href="#">106TA9059</a>
1020	971	8,7	13,3	COG	Z-60/34, S-40, S-60, Z-45/25	<a href="#">106TA9087</a>
1065	1022	8	13,3	PLAIN	Z-45/22, Z-45/22IC	<a href="#">160TA7031</a>
1100	1087	7,5	9,4	WRA	S-80, S-120, S-100, Z-80/60	<a href="#">106TA9065</a>
1125	1075	8,1	10,1	COG	Z-45/25, Z-60/34, S-80, S-60, GS-3390, S-40, Z-45/25IC from serial n° 9996 to 99999, GS-3384, Z-51/30J, Z-45/22, GS-84, Z-135/70, S-120, S-100, Z-80/60, GTH-3512SX, Z-62/40	<a href="#">106TA9066</a>
1150	1100	8,1	10,2	COG	S-80, S-120, S-100, Z-80/60, Z-135/70	<a href="#">106TA9067</a>
1185	1140	8,5	10	COG	S-120, S-80, S-60, S-100, S-3800, Z-80/60, ZX-135/70, S-80X, Z-135/70, Z-62/40, SX-180	<a href="#">161TA1473</a>
1070		4,25	21,45	PK	S40/45, S60/65 (HC)TRAX, S60/65, GS3390/4390/53, GS3384, Z60/34, Z45/25(IC POWER)	<a href="#">128TA3244</a>





FILTERS					
	Outer diameter mm	Inner diameter mm	Height mm	Used on	REF
<b>Air filters</b>					
	170	60,7	400	S40/45, S60, S60/65, S80/85, Z45/22, Z45/25(IC POWER), Z45/25-Z45/25J IC P	<a href="#">139TA1706</a>
	121	77,0	324	GTH5519/5519S, GTH2506, GTH3007/AGRI730, GTH2506/AGRI625, GTH2506 AU2	<a href="#">138TA7351</a>
	164	86,0	210	Z60/34, S60, GS3384, GS3390/4390/53, Z60/34, Z45/22, GS3384	<a href="#">165TA3881</a>
	104	63,0	264	GS2668/3268RT, Z45/22MP, Z34/22IC, Z45/22, Z34/22IC POWER	<a href="#">127TA1048</a>
<b>Oil filters</b>					
	76,0	17,4	88	GTH2506 III A/B, GTH5519, GTH5519/5519S, GTH2506, GTH4010, GTH6622, GTH3007 AG AU, GTH3007/AGRI730, GTH3007, GTH2506/AGRI625, SX180, GTH1056, S40/45, S100/105, S120/125, GS84/90	<a href="#">139TA7866</a>
	68,5	18,5	85	GS2669/3369/4069R, GS2668/3268RT, Z34/22IC, Z34/22IC POWER, Z34IC	<a href="#">164TA1069</a>
	93,5	17,4	180	SX180, S100/105, S120/125, ZX135/70, Z135/70, GTH644/844, GTH1056/, GTH644/842/8, GTH1048/1056, GTH4013EX/4017, GTH4017EX/4514EX	<a href="#">127TA2848</a>
	56,5	25,0	170	GS2669/3369/4069DC, GS2669/3369/4069R, SX180, S40/45, S60/65, S80/85, S100/105, S120/125, S3800/3200, GS84/90, S60/65(X) [XC][HC][TRAX], Z51/30J, Z60/34, Z45/25(J)	<a href="#">127TA1930</a>
	44,5	24,0	202	S40/45, S60/65, S80/85, S60, Z60/34, Z34/22IC, Z45/25(IC POWER)	<a href="#">165TA3882</a>





FILTERS					
	Outer diameter mm	Inner diameter mm	Height mm	Used on	REF
	94,0	23,2	135	GS2032/3346, GS1530/3246, GS2046/2646/32, GS1530/1930, GS4047, GRC12, QS12/15/20(R)(W)	<a href="#">165TA3883</a>
	76,0	56,5	260	100SC2/120SC2/140SC2, GS2669/3369/4069R, SX180, S100/105, S120/125, S3800/3200, S60/65(X)(XC)(HC) (TRAX), Z45/25(J), Z51/30J, ZX135/70	<a href="#">127TA1953</a>
	95,0	93,0	186	TMZ50/30, GS2032/2632, GS1530/1930, GS2046/2646/32, GS2032, Z25/8-Z20/8(N)	<a href="#">165TA3884</a>
	100	71,0	286	S60/65(X)(XC)(HC)(TRAX), S80X/S80/S85Z51/30J, Z45/25(J), Z45/25IC-Z45/25J IC	<a href="#">165TA3885</a>
	249	89,5	76	SX135XC, SX105/125XC, S40, S80/85, Z45/22, Z34/22IC POWER	<a href="#">127TA1931</a>
<b>Fuel filters</b>					
	51,0	77,5	16,5	SG2669/3369/4069R, S40/45, S80/85, GS2668/3268RT, Z34/2IC, Z80/60	<a href="#">165TA3886</a>
	79,0	14,5	164	GTH5519(S), GTH4010, GTH6622, GTH3007/AGRI730, GTH2056/AGRI625, GTH3007	<a href="#">165TA3887</a>
	77,0	16,5	60	GS2269/3369/4069R, GS2668/3268RT, S60/65, A34/22IC POWER, Z34/22IC	<a href="#">165TA3888</a>
	76,0	29,6	158,5	GTH4013EX/4017, GTH4515 AU, GTH4017 AU, GTH3713, GTH4016SR/4018SR, GTH644/842/8, SX180, ZX135/70, Z100/105, Z120/125, Z135/70	<a href="#">138TA7352</a>



## SAFETY CAGE PARTS



- Length: 1420 mm
- Height: 940 mm
- Width: 90 mm

Used on GS-3390, GS-3384, GS-84

**REF [160TA6450](#)**



- Length: 1365 mm
- Height: 940 mm
- Width: 40 mm

Used on GS-3390, GS-3384, GS-84, S-80

**REF [160TA9831](#)**



- Length: 1420 mm
- Height: 940 mm
- Width: 40 mm

Used on GS-3390, GS-3384, GS-84

**REF [160TA8562](#)**



- Length: 1575 mm
- Height: 950 mm

Used on GS-30, GS-1530 from serial n° 00001 to 75999

**REF [160TA6359](#)**



- Length: 1600 mm
- Height: 995 mm
- Width: 40 mm

Used on GS-3390, GS-3384, GS-84

**REF [161TA1509](#)**



## SAFETY CAGE PARTS



- Length: 1600 mm
- Height: 990 mm
- Width: 40 mm

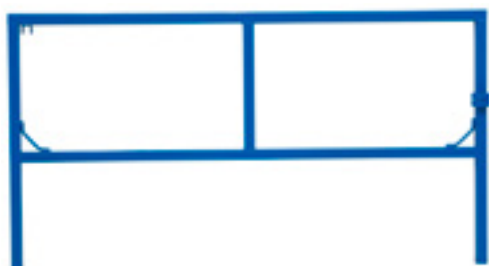
**REF [161TA1561](#)**



- Length: 1738 mm
- Height: 939,1 mm
- Width: 38,1 mm

Used on GS-3390, GS-3384, GS-84

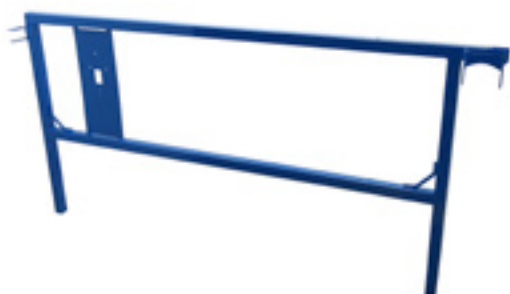
**REF [160TA7929](#)**



- Length: 1770 mm
- Height: 940 mm
- Width: 40 mm

Used on GS-3390, GS-3384, GS-84

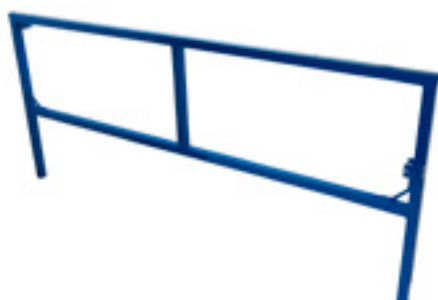
**REF [160TA9876](#)**



- Length: 1830 mm
- Height: 902,1 mm
- Width: 40 mm

Used on GS-2668RT, GS-2668DC, GS-2668

**REF [160TA9692](#)**



- Length: 2075 mm
- Height: 940 mm
- Width: 40 mm

Used on GS-3390, GS-3384, GS-84

**REF [160TA9728](#)**



## SAFETY CAGE PARTS



- Length: 2201 mm
- Height: 610,2 mm
- Width: 39 mm

Used on GS-30, GS-1530 from serial n° 00001 to 75999, GS-2032

**REF [160TA6809](#)**



- Length: 2335 mm
- Height: 665
- Width: 40 mm

Used on GS-2046

**REF [160TA9039](#)**



- Length: 2760 mm
- Height: 825 mm
- Width: 40 mm

Used on GS-2668RT

**REF [160TA6585](#)**



- Length: 1750 mm
- Height: 567,8 mm

Used on S-100, Z-60/34, S-80, S-60, S-120, Z-80/60, Z-135/70, S-40, ZX-135/70, S-80X, SX-180

**REF [160TA9596](#)**



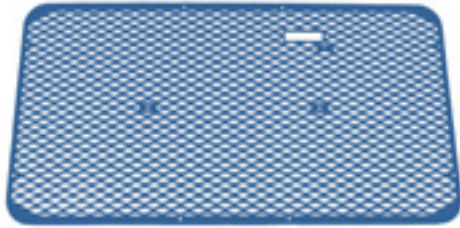
- Length: 2200 mm
- Height: 150 mm

Used on GS-30, GS-1530 from serial n° 00001 to 75999, GS-2032

**REF [160TA9581](#)**



## SAFETY CAGE PARTS



- Length: 1340 mm
- Width: 680 mm

Used on Z-34/22N, Z-34/22 IC, Z-40/23 N

**REF [160TA6335](#)**



- Length: 1450 mm
- Height: 1020 mm

Used on Z34/22N(N/DC/BI-ENERGY), Z34/22IC, Z34/22N-Z34/22DC

**REF [160TA7906](#)**



- Length: 2201,5 mm
- Height: 160 mm

Used on GS-30, GS-1530 from serial n° 00001 to 75999, GS-2032

**REF [160TA8637](#)**



- Length: 330 mm
- Width: 172 mm
- Height: 165 mm

Used on S-60, S-100, S-120, S-80, S-40, S-80X, Z-45/25, Z-135/70, Z-60/34, Z-80/60, ZX-135/70

**REF [160TA7985](#)**



- Length: 135 mm
- Width: 25 mm
- Height: 78 mm

Used on GS-30, GS-1530 from serial n° 00001 to 75999, GS-2646, GS-2032, GS-2046



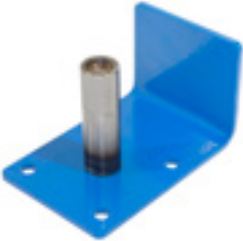




**REF [161TA2023](#)**



- Length: 12 mm
- Width: 9 mm

**REF [127TA2737](#)**



SUPPORTS - PIECE OF CONNECTION				
	Number of holes	Material	Used on	REF
	14	Metal	Z-30/20N, Z-34/22N, Z-34/22IC, Z-34/22 IC, Z34/22 DC	<a href="#">160TA9845</a>
	2	Metal	GS-2032, GS-2046, GS-1530 from serial n° 00001 to 75999	<a href="#">127TA2759</a>
	5	Metal	GS-30, GS-1530 from serial n° 00001 to 75999, GS-2032, GS-2046, GS-4047	<a href="#">160TA9026</a>
	5	Metal	GS-30, GS-1530 from serial n° 00001 to 75999, GS-2032, GS-2046	<a href="#">160TA5704</a>
	6	Metal	GS-30, GS-1530 from serial n° 00001 to 75999, GS-2032, GS-4047, GS-2646 AV	<a href="#">160TA7687</a>
	6	Metal	GS2032/3246, GS1530/3246, GS30/32/46, GS4047	<a href="#">161TA4006</a>
	7	Metal	GS-3390, GS-2668 RT, GS-3384, GS-84, GS-2669BE, GS-2668RT, GS-2669DC, GS-2668	<a href="#">160TA9562</a>



## FORMING FOR CONTROL BOX



- Length: 365 mm
- Width: 187 mm
- Height: 310 mm

Used on GS-2669 DC, GS-1530, GS-2032, GS-2669DC, GS-4047, GS-2646 AV

REF [160TA9306](#)

## LOAD WHEELS



- Diameter wheel: 128 mm
- Width wheel: 38,3 mm
- Diameter shaft: 19 mm

Used on GS-3390, GS-3384, GS-84

REF [161TA4878](#)



- Diameter wheel: 153 mm
- Width wheel: 50 mm
- Diameter shaft: 19 mm

Used on SUPERLIFT CONTRACTOR, AWP SUPER SERIES, AWP from serial n° 0000-00000 to 9999-99999, SUPERLIFT ADVANTAGE, SUPER TOWER, POWERED SUPERLIFT ADVANT., POWERED SUPERLIFT

REF [151TA2526](#)



- Diameter wheel: 146 mm
- Width wheel: 25 mm
- Diameter shaft: 25,6 mm

Used on GS2032, GS1530/1930, GS20323246, GS1530/1532/1930/1932, GS4047, GS2046/2646/32

REF [127TA2729](#)

## PULLEYS



- Inner diameter sheave: 34,9 mm
- Largest outer diameter: 118 mm
- Total width: 11,8 mm
- Inner diameter bushing/bearing: 12,7 mm

Used on SUPERLIFT ADVANTAGE, SUPERLIFT CONTRACT, SUPER TOWER, DPL25S/30S/35S

REF [165TA3889](#)



- Inner diameter sheave: 30,3 mm
- Largest outer diameter: 119 mm
- Total width: 15,5 mm
- Inner diameter bushing/bearing: 12,6 mm

Used on SUPER TOWER, SUPERLIFT CONTRACTOR, DPL25S/30S/35S, DPL25S/30S/ DPL3

REF [139TA1824](#)





## IDLER WHEEL



- With bearing medium
- Width outer ring: 17,6 mm
- Max diameter inner ring: 18,9 mm
- Width inner ring: 15,5 mm
- Max diameter outer ring: 76,1 mm

Used on AWP from serial n° 0000-00000 to 9999-99999, EASY-UP, IWP, COMPACT PERSONNEL LIFT, GENIE IWP

**REF [140TA2813](#)**

## HOSE REEL SHEAVES



- Inner diameter: 10 mm
- Outer diameter: 49,5 mm
- Width: 9 mm
- Material: plastic

Used on AWP SUPER SERIES, QS-12R, GR-12, RUNABOUT, GR-8, DPL-25S, CWP-8S, IWP SUPER SERIES, CWP SUPER SERIES

**REF [161TA1797](#)**



- Inner diameter: 47 mm
- Outer diameter: 76 mm
- Width: 25,4 mm
- Material: PVC

Used on GR-12, RUNABOUT, AWP SUPER SERIES, GR-8, DPL-25S, CWP-8S, IWP SUPER SERIES, QS-12R, CWP SUPER SERIES

**REF [160TA9601](#)**



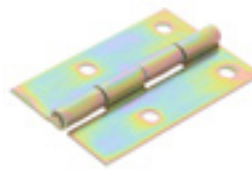
## HINGES



- Length: 102 mm
- Width: 63,5 mm
- Diameter of the holes: 7,1 mm

Used on GS-30, GS-2032, GS-1530, GS-4047, GS-2646 AV

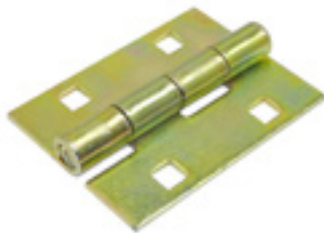
**REF [160TA9095](#)**



- Length: 102 mm
- Width: 63,5 mm
- Diameter of the holes: 7,1 mm

Used on GS-30, GR-12, GRC-12, QS-12R, GTH-1056, GTH-844, GTH-636, GS-1530

**REF [161TA1187](#)**



- Length: 102 mm
- Width: 77,5 mm
- Diameter of the hole: 10,2 mm

Used on GS2669/3369/4069DC, GS3390/5390, TZ50, GS3384, GS84/90

**REF [128TA3394](#)**



- Length: 151 mm
- Width: 102 mm
- Height: 3 mm

Used on Z-45/25IC from serial n° 9996 to 99999, Z-40/23N, Z-34/22IC, S-80, Z-60/34, Z-34/22N, Z-45/25, S-120, S-100, Z-80/60, S-40, Z-135/70, Z-51/30J, S-60, Z-45/25DC from serial n° 9996 to 99999, Z-34/22 IC, Z-45/25J, Z-45/25 BI-ENERGY, Z34/22 DC, ZX-135/70, S-80X, Z-34/22, Z-40/23 N, Z-33/18, SX-180

**REF [161TA1524](#)**



- Length: 280 mm
- Width: 63 mm
- Height: 11 mm
- Diameter of the holes: 7,1 mm

Used on GRC-12, GS-3390, GR-12, GS-3384, GS-84, GTH-1048, QS-12R, GTH-1056, GTH-844

**REF [160TA9264](#)**



- Length: 710 mm
- Width: 75 mm
- Diameter of the hole: 5 mm

Used on S-60, S-100, Z-60/34, S-80, Z-45/25IC from serial n° 9996 to 99999, Z-51/30J, Z-45/25, S-120, Z-80/60, S-40, Z-45/22DC, Z-135/70, Z-45/22, ZX-135/70, S-80X, SX-180

**REF [160TA8499](#)**



- Length: 70 mm
- Width: 53 mm
- Diameter of the hole: 7,2 mm

Used on GS2669/3369/4069DC, GS2032/3246, GS2669/3369/4069R, GRC12, GS1530/1532/1930/1932

**REF [127TA2707](#)**



## KNOBBS



- Outer diameter: 38 mm
- Inner diameter: 17,7 mm
- Height: 22,5 mm

Used on GS-30, GR-12, GS-1530 from serial n° 00001 to 75999, GS-2668 DC, GS-2032, GS-2668 RT, GRC-12, QS-12R, GS-2668DC, GS-2668RT, GS-4047, GS-2668, GS-2646 AV

REF [160TA9770](#)



- Outer diameter: 60 mm
- Inner diameter: 9,7 mm
- Height: 34 mm

Used on RUNABOUT, CWP-8S, GR-8, AWP SUPER SERIES, GR-12, IWP SUPER SERIES, CWP SUPER SERIES

REF [161TA1759](#)

## PUSH-PULL ROD



- Diameter of the holes: 25,4 mm
- Centre distance of the holes: 1058,1 mm
- Maximum length: 1108,9 mm

Used on Z-45/25J, Z-45/25, Z-45/25DC from serial n° 9996 to 99999

REF [160TA7689](#)

## STEERING KNUCKLES



- Steering knuckle RH or LH: LH
- King pin diameter: 128 mm
- Steering connection diameter: 25,4 mm
- Length: 199 mm

Used on GS-2668 DC, GS-2668 RT, GS-2668DC, GS-2668RT, GS-2668

REF [161TA1822](#)



- Steering knuckle RH or LH: RH
- King pin diameter: 128 mm
- Steering connection diameter: 25,4 mm
- Length: 199 mm

Used on GS-2668 DC, GS-2668 RT, GS-2668DC, GS-2668RT, GS-2668

REF [161TA1916](#)

## PART DIFFERENTIAL



- Diameter: 63,5 mm
- Number of mounting holes: 6

Used on S-40, Z-34/22IC, Z-34/22N, Z-30/20N, Z-45/25IC from serial n° 9996 to 99999, Z-45/22, Z-60/34, Z-45/25, Z-34/22, GS-3390, Z-30/20, Z-51/30J, Z-34/22 BI-ENERGY, Z-45/25DC from serial n° 9996 to 99999, Z-34/22G, Z-34/22 IC, Z-45/22DC, Z-45/25J, Z-45/25 BI-ENERGY, Z34/22 DC

REF [161TA1015](#)



## COUPLING



- Height: 25 mm
- Outer diameter: 150,4 mm
- Inner diameter: 78 mm
- Number of splines: 50

Used on GS-2668 RT,  
Z-34/22 IC, GS-2668RT,  
GS-2668

REF [160TA8314](#)

## BALL JOINT ROD END



- Outer diameter: 19,2 mm
- Inner diameter: 6,3 mm
- Height: 30,3 mm

Used on S-40, S-60, Z-45/25,  
Z-51/30J, Z-45/25IC from  
serial n° 9996 to 99999,  
Z-62/40

REF [160TA9198](#)

## TORQUE HUB



- Flange: 242 mm
- Neck diameter: 178 mm
- Diameter: 260 x 280 mm

Used on S40/45, Z45/25IC-Z45/25J IC, Z51/30J, Z45/22,  
Z30/20N, Z34/22N-Z34/22DC

REF [128TA3139](#)

## PART REDUCTOR



- Outer diameter: 63,5 mm
- Inner diameter: 12,7 mm
- Biggest inner diameter: 19,05 mm
- Height: 33,3 mm
- Material: steel

Used on Z-34/22IC, Z-34/22N, Z-60/34, Z-30/20N, S-40,  
Z-45/25IC from serial n° 9996 to 99999, Z-45/22, Z-45/25,  
Z-34/22, GS-3390, Z-30/20, Z-51/30J, Z-34/22 BI-ENERGY,  
Z-45/25DC from serial n° 9996 to 99999, Z-34/22G,  
Z-34/22 IC, Z-45/22DC, Z-45/25J, Z-45/25 BI-ENERGY,  
Z34/22 DC

REF [161TA1469](#)

## REDUCTOR HUB











- Gear ratio: 1:57
- Diameter maximum: 280 mm
- Length reductor: 250 mm
- Bolt side 1: 9 x 5/8" UNF
- Bolt side 2: 6 x 5/8" UNF

Used on S-40, Z-34/22IC, Z-45/25IC from serial n°  
9996 to 99999, GS-3390, GS-3384, Z-51/30J, GS-84,  
Z-34/22 IC, Z-45/25, Z-45/22 MP

REF [161TA1299](#)



STEEL CABLES				
	Total length mm	Diameter mm	Used on	REF
	10 890	10	S-100, S-120, S-3800	<a href="#">160TA9071</a>
	1430	3,1	GR-12, QS-12R	<a href="#">161TA1156</a>
	7900	3,97	GENIE LIFT, LIFT, GL-4, GS-2668 RT	<a href="#">160TA9205</a>
	12 800	5,55	SUPERLIFT ADVANTAGE	<a href="#">128TA3332</a>
	16 993	5,55	SUPERLIFT ADVANTAGE, SUPER TOWER	<a href="#">128TA3337</a>
	20 650	5,55	SUPERLIFT ADVANTAGE, SUPER TOWER	<a href="#">128TA3334</a>
	19 202	4,76	SUPERLIFT CONTRACTOR, SUPER TOWER	<a href="#">128TA3336</a>
	9150	5,55	SUPERLIFT ADVANTAGE, MIX N MATCH	<a href="#">128TA3342</a>

## CONTROL CABLE



- Total length: 3250 mm
- Diameter: 1,50 mm

**REF [128TA3333](#)**



CABLE TRACKS					
	Outside dimensions mm	Inside dimensions mm	Material	Used on	REF
	116,5 x 35	102 x 26	Plastic	Z45/25-Z45/25J, Z45/25(J/DC/BI-ENERGY), Z45/25IC POWER	<a href="#">127TA2444</a>
	118 x 51	102,5 x 39	Plastic	Z-60/34, Z-45/25, Z-40/23 N, Z-51/30J, Z-45/25IC from serial n° 9996 to 99999	<a href="#">160TA9320</a>
	131 x 76,4	116 x 47	Steel	S-80, S-60, Z-80/60, Z-135/70, ZX-135/70	<a href="#">161TA1813</a>
	113 x 51	103 x 35	Steel	S-40	<a href="#">161TA1005</a>
	115 x 26,5	102,5 x 26,5	Plastic	Z-34/22 IC, Z-30/20N, Z-34/22N	<a href="#">160TA8533</a>
	116 x 35	102,5 x 26,5	Plastic	Z-51/30J	<a href="#">160TA9745</a>
	116,5 x 35	102 x 26	Plastic	Z-34/22IC, Z-34/22N, Z-30/20N, Z-34/22 BI-ENERGY, Z-34/22, Z-45/25 BI-ENERGY, Z-34/22 IC, Z34/22 DC	<a href="#">161TA1530</a>



CABLE TRACKS					
	Outside dimensions mm	Inside dimensions mm	Material	Used on	REF
	117 x 35	102 x 27	Plastic	Z-60/34	<a href="#">160TA9595</a>
	129 x 51	104,5 x 38	Plastic	Z-45/25IC from serial n° 9996 to 99999, Z-45/25, Z-40/23 N, Z-51/30J	<a href="#">160TA8506</a>
	134 x 76,5	110 x 45,5	Plastic	S-80	<a href="#">160TA8843</a>
	93,9 x 41,1	78,2 x 25,4	Plastic	Z-30/20N, Z-34/22N, Z-34/22, Z-34/22G, Z-34/22 IC	<a href="#">161TA1050</a>
	116 x 35	102,5 x 26,5	Plastic	Z45/25IC-Z45/25J IC, Z51/30J, Z60/34, Z34/22N-Z34/22DC	<a href="#">127TA2446</a>

## REPAIR LINK



- Length: 435 mm
- Width: 118 mm

Used on Z-60/34, Z-45/25, Z-40/23 N, Z-51/30J, Z-45/25IC from serial n° 9996 to 99999

REF [160TA9347](#)





## RUBBER MOUNTS



- Pad
- Width: 51 mm
- Thread: 3/8" UNC
- Overall length: 129 mm

Used on Z-45/25, Z-40/23N, Z-25/8, Z-45/25IC from serial n° 9996 to 99999, S-100, S-120, Z-45/25DC from serial n° 9996 to 99999, S-3800, Z-45/25J, Z-40/23 N

**REF [160TA9887](#)**



- Pad
- Width: 51 mm
- Thread: 3/8" UNC
- Overall length: 129 mm

Used on Z-25/8, Z-30/20N, Z-40/23N, Z-34/22N, Z-45/25IC from serial n° 9996 to 99999, Z-45/25, Z-51/30J, Z-34/22 IC, Z34/22 DC, Z-34/22IC, Z-40/23 N, Z-33/18

**REF [161TA1831](#)**



- Cone shaped pad with thread
- Diameter: 27 mm
- Length: 31,8 mm
- Thread: 5/16" UNC
- Overall length: 53,5 mm

Used on S-80, Z-45/25IC from serial n° 9996 to 99999, S-40, S-60, TZ-50, TML-4000, Z-80/60, Z-135/70, Z-51/30J, Z-45/25, S-80X, GTH-844, ZX-135/70, Z-62/40, GTH-636, GS-2668RT

**REF [161TA1438](#)**



- Pad with central hole
- Diameter of the hole: 10,5 mm
- Diameter pad: 30,5 mm
- Overall length: 19,5 mm

Used on Z-45/22, Z-34/22IC, GS-2668 RT, Z-34/22, Z-34/22G, Z-34/22 IC, Z-45/25J, Z-45/25 BI-ENERGY, Z-45/25, Z-34/22N, Z-45/22IC, Z-45/22 MP, GS-2668RT, GS-2668

**REF [161TA1404](#)**



- Round plate for plaques
- Diameter: 16 mm
- Length: 17,5 mm
- Overall length: 63,5 mm

Used on S-60, S-40, Z-45/25IC from serial n° 9996 to 99999, S-80, Z-60/34, Z-80/60, Z-45/22, Z-45/25

**REF [161TA1616](#)**



## DOOR HANDLES



- Length: 119 mm
- Width: 42 mm
- With knob left

Used on Z-40/23N, Z-30/20N, Z-45/25, GS-2032, GS-2046, GS-1530 from serial n° 00001 to 75999, Z-34/22, Z-34/22N, Z-45/25DC from serial n° 9996 to 99999, Z-45/25J, Z-40/23 N, Z-33/18

**REF [161TA1621](#)**



- Length: 110 mm
- Grip range: 29 mm
- Non-locking

Used on S-120, S-100, Z-135/70, S-3800, ZX-135/70, SX-180

**REF [160TA7802](#)**



- Length: 70 mm
- Width: 43 mm
- Height: 26,5 mm

Used on GS-3390

**REF [161TA1449](#)**



- Length: 57 mm
- Width: 47 mm
- Height: 15 mm

Used on SX180, S40/45, S60/65, S80/85, S100/105, S120/125, S60/65(X)(XC)(HC)(TRAX), Z60/34, Z51/30J

**REF [128TA3382](#)**



- Length: 82 mm
- Width: 29 mm
- Height: 13,5 mm

Used on GS2669/3369/4069DC, GD2669/3369/4069R, GS1530/3246, GS30/32/46

**REF [139TA1759](#)**



- Length: 121 mm
- Width: 95 mm
- Height: 33,8 mm

Used on GS2032/3246, GS1530/1532/1930/1932, GS84/90, GS2646AV-AV35, GS3384, GTH1056

**REF [139TA1836](#)**



- Length: 124 mm
- Width: 120 mm
- Height: 65 mm
- Keys included

Used on S3800/3200, S40/45, S60/65, S80/85, S3800/3200, Z60/34

**REF [128TA3384](#)**



- Length: 42,9 mm
- Width: 28 mm
- Height: 8,1 mm

Used on GS84/90, GS3390/5390, GS2668/3268DC, GS3384, GS2668/3268RT

**REF [127TA2748](#)**



## LATCHES



- Length: 76 mm
- Width: 46,5 mm
- With curved handle

Used on GR-12, RUNABOUT, TZ-34/20, GR-8, GRC-12, QS-12R, S-3800, TZ-50

**REF [161TA1860](#)**



- Length: 126 mm
- Width: 28,6 mm
- Rubber latch

Used on SX180, S60/65(X)(XC)(HC)(TRAX), S100/105, S120/125, Z51/30J, Z45/25(J), ZX135/70, Z45/25IC-Z45/25J IC

**REF [128TA3385](#)**



- Length: 115 mm
- Width: 33,5 mm
- Adjustable latch

Used on Z-30/20N, Z-45/25IC from serial n° 9996 to 99999, Z-45/22, Z-34/22N, Z-34/22, Z-45/25, Z-34/22 BI-ENERGY, Z-45/25DC from serial n° 9996 to 99999, Z-45/22DC, Z-45/25 BI-ENERGY, Z-51/30J, Z-45/22IC, Z34/22 DC, Z-45/22 MP, GS-2669BE

**REF [151TA2361](#)**

## WEAR PADS

	Length mm	Material	Used on	REF
	127	Plastic	S-120, S-100, S-3800, S-80X	<b><a href="#">161TA1648</a></b>
	134	Plastic	GS-3390, GS-3384	<b><a href="#">161TA5446</a></b>
	140	Plastic	GS-2668 DC, GS-2668 RT, GS-2668DC, GS-2668RT, GS-2668	<b><a href="#">160TA9558</a></b>
	168	Plastic/steel	Z-80/60, Z-135/70, ZX-135/70	<b><a href="#">160TA9588</a></b>



WEAR PADS				
	Length mm	Material	Used on	REF
	178	Plastic/steel	S-120, S-100, S-3800	<a href="#">160TA9001</a>
	178	Plastic/steel	S-120, S-100, Z-80/60, Z-135/70, S-3800, ZX-135/70	<a href="#">161TA1382</a>
	64	Plastic	S-40, S-60, S-80	<a href="#">160TA7892</a>
	77	Plastic/steel	S-80, S-60, S-40, S-120, S-100, S-3800, Z-45/25, Z-45/25J, Z-51/30J, Z-45/25IC from serial n° 9996 to 99999, S-80X, Z-62/40	<a href="#">161TA2062</a>
	83	Plastic	GS-30, GS-1530 from serial n° 00001 to 75999	<a href="#">160TA9855</a>
	83	Plastic	GS-30, GS-1530 from serial n° 00001 to 75999, GS-2646, GS-2032, GS-2046, GS-4047, GS-2646 AV	<a href="#">161TA1887</a>
	127,8	Plastic	S40/45, S80/85, S60/65(X)(XC)(HC) (TRAX), Z51/30J, Z60/34, Z45/25(J), ZX135/70	<a href="#">127TA2762</a>
	126,7	Plastic	S40/45, S80/85, S60/65(X)(XC)(HC) (TRAX), Z51/30J, Z60/34, Z45/25(J), ZX135/70	<a href="#">127TA2730</a>



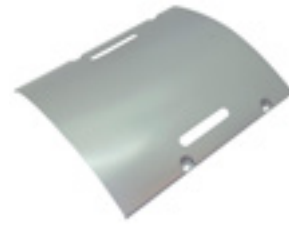
## PROTECTIVE COVERS



- Width: 605 mm
- Height: 1118 mm

Used on Z30/20N, Z34/22(N/DC/BI-ENERGY), Z30/20N(RJ)

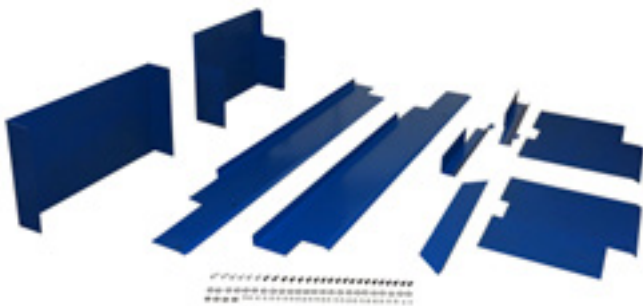
**REF [128TA3424](#)**



- Width: 640 mm
- Height: 775 mm

Used on Z34/22(N/DC/BI-ENERGY), Z34/22IC, Z34/22N-Z34/22DC, Z34/22D,G,LPG

**REF [139TA1838](#)**



Kit linkguards

Used on GS-2668 DC, GS-2668 RT, GS-2668DC, GS-2668RT, GS-2668

**REF [160TA7930](#)**



- Length: 268 mm
- Width: 185 mm
- Height: 50 mm

Used on GS-3390, GS-2668 RT, GS-3384, GS-84, GS-2668RT, GS-2668

**REF [161TA1431](#)**



- Length: 630 mm
- Width: 400 mm
- Height: 965 mm

Used on Z-34/22N, Z-34/22, GS-30, GS-1530 from serial n° 00001 to 75999, Z34/22 DC

**REF [160TA7790](#)**



- Length: 960 mm
- Width: 640 mm
- Height: 400 mm

Used on Z34/22(N/DC/BI-ENERGY), Z34/22(N)

**REF [160TA7924](#)**



GAS SPRINGS/SHOCK ABSORBERS				
	Force N	Centre distance mm	Used on	REF
<b>Push type</b>				
	180	255	GRC-12, GR-12, QS-12R	<a href="#">161TA1521</a>
	-1	510	Z-34/22N, Z-34/22IC, Z-34/22 BI-ENERGY, Z-60/34, Z-45/25 BI-ENERGY, Z-34/22 IC, Z34/22 DC, Z-34/22	<a href="#">161TA1855</a>
	-1	715	Z-60/34	<a href="#">161TA1622</a>
	108	310	GR-12, GR-8, CWP SUPER SERIES, AWP SUPER SERIES, IWP SUPER SERIES	<a href="#">145TA8896</a>
	900	485	S-120, S-100, Z-135/70	<a href="#">160TA9521</a>
	1200	545	S40/45, S60/65, S60/65(HC)TRAX, S80/85, S80X/85, GS2668/3268DC, GS2668/3268RT, GTH844	<a href="#">128TA3327</a>
	1200	545	S40/45, S60/65, S60/65(X)(XC) (HC)TRAX, S80/85, S80X/80/85, GS2668/3268DC, GS2668/3268RT, GTH844	<a href="#">128TA3326</a>



GAS SPRINGS/SHOCK ABSORBERS				
	Force N	Centre distance mm	Used on	REF
	-1	300	GR12/15/20, IWP SUPER SERIES, AWP SUPER SERIES	<a href="#">128TA3328</a>
	-1	900	Z45/22, S40, S40/45, S60	<a href="#">128TA3325</a>
	250	1165	GS2668/3268DC, GS2668/3268RT	<a href="#">128TA3330</a>
	8	360	GS2032/3246, GS1530/1532/1930/1932, GS30/32/46, GS2046/2646/32, GTH844	<a href="#">128TA3324</a>





## DECALS



- Length: 102 mm
- Height: 55 mm

Used on Z-30/20N, S-120, Z-60/34, Z-34/22N, Z-45/25IC from serial n° 9996 to 99999, Z-34/22IC, S-100, Z-45/25, Z-40/23N, S-80, TZ-50, S-60, Z-80/60, S-40, Z-135/70, Z-51/30J, Z-34/22, Z-34/22N DC, Z-45/25DC from serial n° 9996 to 99999, S-3800, Z-45/25J, Z-34/22 IC

**REF [127TA1006](#)**



- Length: 102 mm
- Height: 76,5 mm

Used on GS-1530 from serial n° 00001 to 75999, GS-30, GS-1530/32, GS-2032

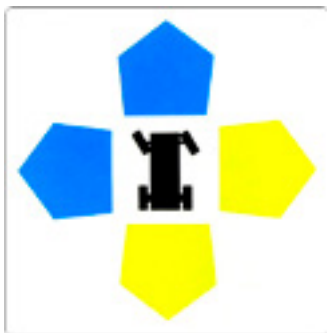
**REF [139TA3031](#)**



- Length: 108 mm
- Height: 64 mm

Used on GS-1530 from serial n° 00001 to 75999, GS-30, GS-1530/32, GS-2032, GS-4047

**REF [139TA3012](#)**



- Length: 114 mm
- Height: 114 mm

Used on GS-1530/32, GS-3384, GS-1530 from serial n° 00001 to 75999, GS-2046, GS-30, GS-2668 DC, GS-2668 RT, GS-3268 RT, GS-2032, GS-3390, GS-84, S-120, GS-2668DC, GS-2646, GS2032, GS-2669 DC, GS-2669BE, GS-2668RT, GS-2669DC, GS-4047, GS-2668, GS-2646 AV, GS-4390, GS-2046 CE, GS-2668 RT CE, GS-3384 CE, GS-3268 RT CE

**REF [126TA3819](#)**



- Length: 121 mm
- Height: 57 mm

Used on GS-3384, GRC-12, GS-1530 from serial n° 00001 to 75999, GS-2046, S-120, GR-12, GS-30, Z-60/34, Z-34/22N, Z-45/25, Z-45/25IC from serial n° 9996 to 99999, S-100, Z-40/23N, S-80, Z-30/20N, Z-34/22IC, TZ-50, TZ-34/20, SUPERLIFT CONTRACTOR, GR-8, DPL-25S, GS-2668 RT, AWP SUPER SERIES, SUPERLIFT ADVANTAGE

**REF [126TA4299](#)**



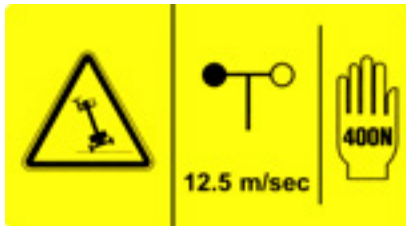
## DECALS



- Length: 126,5 mm
- Height: 76 mm

Used on GRC-12, GS-1530 from serial n° 00001 to 75999, GS-30, GR-12, QS-12R, GS-3384, GS-1530/32, GS-2669 DC, GS-2032, GS-2669BE, GS-2668RT, GS-2669DC, GS-4047, GS-2668

**REF [139TA3013](#)**



- Length: 139,2 mm
- Height: 76,3 mm

Used on S-120, Z-30/20N, Z-45/25IC from serial n° 9996 to 99999, S-80, Z-60/34, Z-34/22N, Z-45/25, S-100, Z-40/23N, Z-34/22IC, S-60, Z-80/60, S-40, Z-135/70, Z-51/30J, Z-34/22, Z-34/22N DC, Z-45/25DC from serial n° 9996 to 99999, S-3800, Z-45/25J, Z-34/22 IC, Z34/22 DC

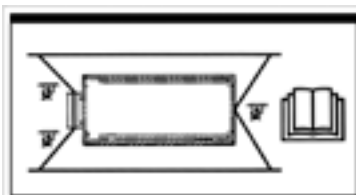
**REF [127TA1009](#)**



- Length: 140 mm
- Height: 76 mm

Used on Z-30/20N, Z-34/22N, Z-40/23N, Z-34/22IC, Z-34/22, Z-34/22N DC, Z-60/34, Z-45/25, Z-80/60, S-40, S-60, Z-34/22 IC, Z-45/25IC from serial n° 9996 to 99999, Z34/22 DC, Z34/22, Z34/22 IC, S-120, S-100, S-80X, Z45/25, Z-40/23 N, Z-30/20, Z-34/22 BI-ENERGY, S-80

**REF [127TA1007](#)**



- Length: 140 mm
- Height: 77 mm

Used on GS-1530 from serial n° 00001 to 75999, GS-30, GS-2646, GS-1530/32, GS-2032, GS-2046, GS-4047, GS-2646 AV

**REF [138TA3824](#)**



- Length: 152 mm
- Height: 51 mm

Used on GS-3384, GS-1530 from serial n° 00001 to 75999, GS-2046, GS-30, GS-2668 RT, GS-2668 DC, GS-3390, GS-2032, GS-84, GS2032, GS-1530/32, GS-2669 DC, GS-2668DC, GS-2669BE, GS-2668RT, GS-2669DC, GS-4047, GS-2668, GS-2046 CE, GS-2668 RT CE, GS-3384 CE, GS-3268 RT CE

**REF [126TA4300](#)**



## DECALS



- Length: 153 mm
- Height: 53 mm

Used on GS-3384, GS-1530 from serial n° 00001 to 75999, GS-2046, GS-30, GS-2668 RT, GS-2668 DC, GS-3390, GS-2032, GS-84, S-60, GS2032, GS-1530/32, GS-2669 DC, GS-2668DC, GS-2669BE, GS-2668, GS-2668RT, GS-2669DC, GS-4047, GS-2046 CE, GS-2668 RT CE, GS-3384 CE, GS-3268 RT CE

**REF [126TA4308](#)**



- Length: 178 mm
- Height: 76 mm

Used on GS-3384, Z-40/23N, GRC-12, GS-1530 from serial n° 00001 to 75999, S-120, S-100, Z-45/25IC from serial n° 9996 to 99999, Z-60/34, Z-34/22IC, Z-34/22N, S-80, Z-45/25, TZ-50, GS-2668 RT, GS-3390, S-60, Z-80/60, S-40, Z-135/70, Z-51/30J

**REF [139TA1873](#)**



- Length: 134 mm
- Height: 75 mm

Used on Z30/20N, GR20/26J, Z34/22, Z30/20N, Z34/22(N/DC/BI-ENERGY), Z34/22IC, Z34/22N-Z34/22DC, Z34/34N DC POWER

**REF [126TA3846](#)** - Yellow

**REF [126TA3848](#)** - Blue



- Length: 170 mm
- Height: 170 mm

Used on S-80, S-120, Z-60/34, Z-45/22, Z-45/25IC from serial n° 9996 to 99999, S-40, Z-40/23N, S-100, Z-45/25, S-60, Z-80/60, Z-135/70, Z-51/30J, Z-45/25 BI-ENERGY, Z-45/25DC from serial n° 9996 to 99999, Z-45/25J BI-ENERGY from serial n° 9996 to 99999, S-3800, Z-45/22DC, Z-45/25J, Z-45/22IC, ZX-135/70, S-80X, Z45/25

**REF [123TA4998](#)** - Yellow

**REF [123TA4978](#)** - Blue



- Length: 137 mm
- Height: 108 mm

Used on Z30/20N, GR20/26J, Z34/22, Z30/20N, Z34/22(N/DC/BI-ENERGY), Z34/22IC, Z34/22N-Z34/22DC, Z34/34N DC POWER

**REF [126TA3847](#)** - Yellow

**REF [126TA3844](#)** - Blue



## DECALS



- Length: 180 mm
- Height: 228 mm

Used on S-60, S-120, Z-45/25IC from serial n° 9996 to 99999, S-80, Z-45/22, S-40, Z-40/23N, S-100, Z-60/34, Z-45/25, Z-80/60, Z-135/70, Z-51/30J, Z-45/25 BI-ENERGY, Z-45/25DC from serial n° 9996 to 99999, Z-45/25J BI-ENERGY from serial n° 9996 to 99999, S-3800, Z-45/22DC, Z-45/25J, Z-45/22IC, ZX-135/70, S-80X, Z45/25

**REF [123TA5000](#)** - Yellow  
**REF [123TA4979](#)** - Blue



- Length: 184 mm
- Height: 96 mm

Used on GRC-12, GS-1530 from serial n° 00001 to 75999, GS-2046, GR-12, Z-34/22N, GS-30, Z-45/25, Z-40/23N, Z-30/20N, TZ-50, TZ-34/20, GR-8, DPL-25S, AWP SUPER SERIES, GS-2668 DC, GS-2032, IWP SUPER SERIES, Z-34/22, Z-34/22N DC, Z-60/34, Z-135/70, Z-45/25DC from serial n° 9996 to 99999, GTH-1048, Z-80/60, GR-20J

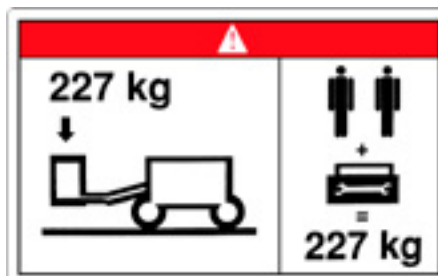
**REF [126TA4307](#)**



- Length: 185 mm
- Height: 120 mm

Used on GS-1530/32, GS-1530 from serial n° 00001 to 75999, GS-2046, GS-30, GS-2032, GS-2046 CE

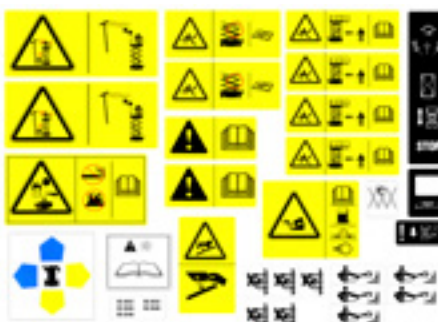
**REF [138TA3364](#)**



- Length: 203 mm
- Height: 127 mm

Used on S-120, Z-60/34, S-100, Z-45/25, Z-45/25IC from serial n° 9996 to 99999, S-80, S-60, Z-80/60, S-40, Z-51/30J, Z-45/25DC from serial n° 9996 to 99999, Z-45/25J, Z-45/25 IC POWER, Z-51/30J IC, S-45, Z-45/25 J IC POWER, Z-45/25 DC, Z-45/25 BI-ENERGY

**REF [126TA9891](#)**



- Length: 203 mm
- Height: 88 mm

Used on GS-30, GS-1530 from serial n° 00001 to 75999

**REF [127TA1022](#)**



## DECALS



- Length: 203 mm
- Height: 89 mm

Used on GS-3384, GS-1530 from serial n° 00001 to 75999, GS-2046, GS-30, GS-2668 RT, GS-2668 DC, GS-3390, GS-2032, GS-84, GS2032, GS-1530/32, GS-2669 DC, GS-2668DC, GS-2669BE, GS-2668, GS-2668RT, GS-2669DC, GS-4047, GS-2046 CE, GS-2668 RT CE, GS-3384 CE, GS-3268 RT CE

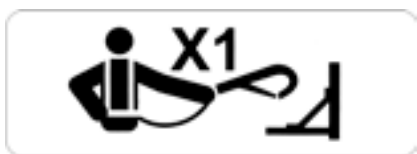
**REF [126TA4301](#)**



- Length: 32 mm
- Height: 41 mm

Used on GS-3384, GRC-12, GS-1530 from serial n° 00001 to 75999, GS-2046, GR-12, TMZ-34/19, GS-30, TMZ-50/30, TZ-50, TZ-34/20, GR-8, GS-2668 DC, GS-2668 RT, GS-3268 RT, GS-3390, GS-2032, TML-4000N, TML-4000, AWP SUPER SERIES, GS-84, GS-2668DC, GR-20J, QS-12R, GS-2646, GS2032, GS-1530/32, GS-2669 DC

**REF [126TA3837](#)**



- Length: 44 mm
- Height: 19 mm

Used on GS-3384, Z-30/20N, GRC-12, GS-1530 from serial n° 00001 to 75999, Z-45/25, Z34/22 DC, GS-2046, S-120, GR-8, GR-12, TMZ-34/19, Z-45/25IC from serial n° 9996 to 99999, S-100, Z-60/34, Z-34/22N, GS-30, Z-40/23N, TZ-50, TMZ-50/30, Z-34/22IC, RUNABOUT, S-80, S-40, TZ-34/20

**REF [126TA4169](#)**



- Length: 50 mm
- Height: 203 mm

Used on GS-2046, GS-30, GS-1530 from serial n° 00001 to 75999, GS-2032, GS-2646, GS2032, GS-2046 CE

**REF [126TA4298](#)**



- Length: 50,5 mm
- Height: 64 mm

Used on GS-2046, GS-30, GS-1530 from serial n° 00001 to 75999, GS-2032, GS2032, GS-2046 CE

**REF [126TA4306](#)**



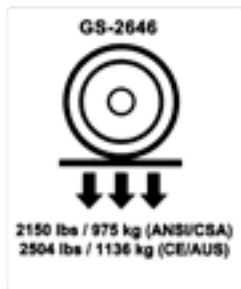
## DECALS



- Length: 51 mm
- Height: 32 mm

Used on GS-1530 from serial n° 00001 to 75999, GR-12, RUNABOUT, GR-8, AWP SUPER SERIES, IWP SUPER SERIES, GS-30, GR-20J, GRC-12, QS-12R, GS-2646, GS-1530/32, GS-2669 DC, GS-2032, ZX-135/70, GS-2668, GS-2669BE, Z-45/25, AWP-15S, Z-51/30J, Z-33/18, Z-62/40, GS-2046, GS-2668RT, SX-180, GS-2668DC, GS-2669DC, GS-4047, GS-2646 AV

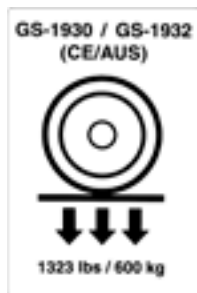
**REF [161TA1228](#)**



- Length: 63,5 mm
- Height: 76,5 mm

Used on GS-2046, GS-30, GS-1530 from serial n° 00001 to 75999, GS-1530/32, GS-2032, GS-2046 CE

**REF [139TA1874](#)**



- Length: 51 mm
- Height: 76 mm

Used on GS-1530 from serial n° 00001 to 75999, GS-30, GS-1530/32

**REF [138TA3423](#)**



- Length: 70 mm
- Height: 32 mm

Used on GS-1530 from serial n° 00001 to 75999, GS-2046, GS-30, GS-2668 DC, GS-2032, GS2032, GS-1530/32, GS-2668DC, GS-4047, GS-2046 CE

**REF [126TA4305](#)**



- Length: 76 mm
- Height: 126 mm

Used on GS-3384, GS-1530 from serial n° 00001 to 75999, TZ-50, TZ-34/20, GS-2668 RT, GS-3390, GS-30, IWP SUPER SERIES, GS-84, GS-1530/32, GS-2669 DC, GS-2032, GS-2669BE, GS-2668, GS-2668RT, GS-2669DC, TZ34/20, GS-2668 RT CE, GS-3384 CE, GS-3268 RT CE

**REF [138TA3619](#)**



## DECALS



- Length: 76 mm
- Height: 127 mm

Used on GS-3384, GS-1530/32, GS-1530 from serial n° 00001 to 75999, GS2032, GS-2046, GS-30, TZ-50, TZ-34/20, GS-2668 RT, GS-2668 DC, GS-3390, GS-2032, GS-84, GTH-1048, GTH-1056, GS-2669 DC, GS-2668DC, GS-2669BE, GTH-844, GS-2668RT, GTH-636, GS-2669DC, GS-4047, GS-2668, TZ34/20, GS-2046 CE, GS-2668 RT CE, GS-3384 CE, GS-3268 RT CE

**REF [126TA4309](#)**



- Length: 76 mm
- Height: 127 mm

Used on Z-30/20N, GRC-12, S-120, Z-60/34, Z-45/25IC from serial n° 9996 to 99999, Z-34/22N, Z-34/22IC, S-100, GS-30, Z-40/23N, S-80, Z-45/25, TZ-50, TZ-34/20, GR-8, GS-1530 from serial n° 00001 to 75999, GS-2032, S-60, Z-80/60, S-40, Z-135/70, Z-51/30J, Z-34/22

**REF [127TA1005](#)**



- Length: 95 mm
- Height: 195 mm

Used on GRC-12, GS-2046, GR-12, GS-30, GS-2668 DC, GS-1530 from serial n° 00001 to 75999, GS-2032, QS-12R, GS-2646, GS-2668DC, GS-2046 CE

**REF [139TA1887](#)**



- Length: 100 mm
- Height: 91 mm

Used on GS-1530 from serial n° 00001 to 75999, GR-12, GS-1530/32, GS-2032, QS-12R, GRC-12, GS-4047, GS-2646 AV

**REF [161TA2125](#)**



- Length: 100 mm
- Height: 91 mm

Used on GR-12, QS-12R, GRC-12, GS-1530, GS-2032, GS-4047, GS-2646 AV

**REF [161TA5141](#)**



- Length: 100 mm
- Height: 91 mm

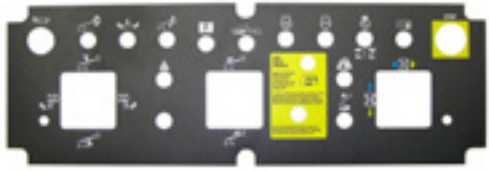
Used on GS2269, GS3369, GS4069DC

**REF [161TA2921](#)**





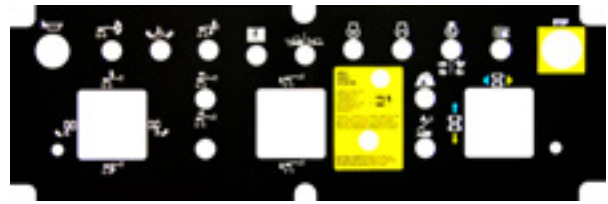
## DECALS



- Length: 682 mm
- Height: 225 mm

Used on S-60

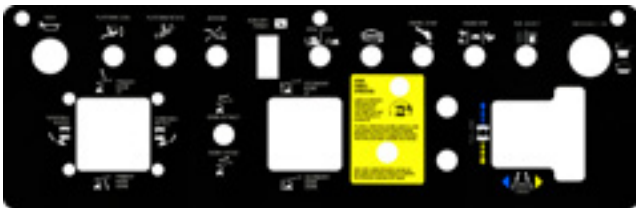
**REF [139TA1872](#)**



- Length: 685 mm
- Height: 227 mm

Used on Z-60/34, Z-45/25IC from serial n° 9996 to 99999, Z-51/30J, Z-45/25, Z45/25, Z-45/25 IC POWER, Z-51/30J IC, Z-45/25 J IC POWER

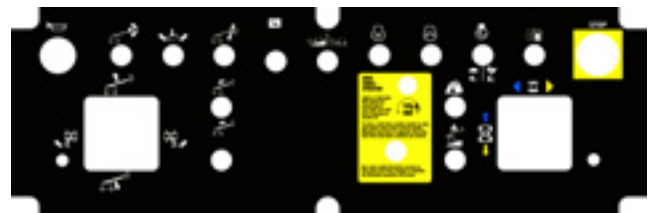
**REF [126TA9869](#)**



- Length: 680 mm
- Height: 220 mm

Used on Z60/34, Z45/25(IC POWER), Z45/25(J), Z45/25IC-Z45/25J IC

**REF [126TA4180](#)**



- Length: 685 mm
- Height: 225 mm

Used on S40/45, Z34/22 BI-ENERGY POWER

**REF [138TA2875](#)**



- Length: 145 mm
- Height: 145 mm

Used on GS1530/1930, S2046/2646/32, GS2032/2632

**REF [126TA4191](#)**



- Length: 145 mm
- Height: 195 mm

Used on GS3384, GS2668/3268RT, GS3384, GS4390/5390

**REF [161TA1891](#)**



- Length: 145 mm
- Height: 145 mm

Used on GS30/32/46, GS1530/1930, GS2668/3268DC

**REF [126TA9746](#)**



- Length: 146 mm
- Height: 225 mm

Used on GS-3384, GS-3390, GS-2668 RT, GS-84, GS-2668, GS-2668RT, GS-2668 RT CE, GS-3384 CE, GS-3268 RT CE

**REF [161TA2153](#)**



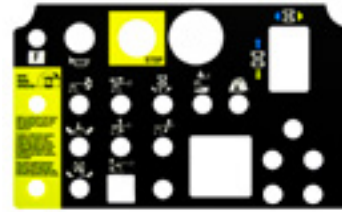
## DECALS



- Length: 147 mm
- Height: 228 mm

Used on GS-2668RT

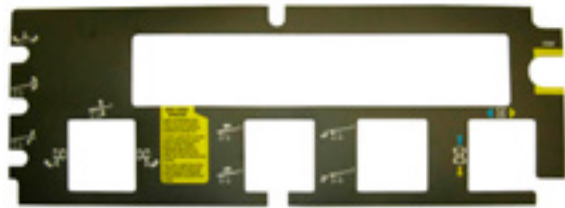
REF [160TA7928](#)



- Length: 386 mm
- Height: 232 mm

Used on Z30/20N, Z34/22(N/DC/BI-ENERGY), Z34/22N-Z34/22DC, Z34/22N, Z34/34N DC POWER

REF [127TA1014](#)



- Length: 645 mm
- Height: 228 mm

Used on Z80/60

REF [138TA2368](#)



- Length: 685 mm
- Height: 220 mm

Used on Z60/34, Z45/25(IC POWER), Z45/25(J), Z45/25IC-Z45/25J IC

REF [138TA3116](#)



- Length: 102 mm
- Height: 102 mm

REF [123TA5131](#)



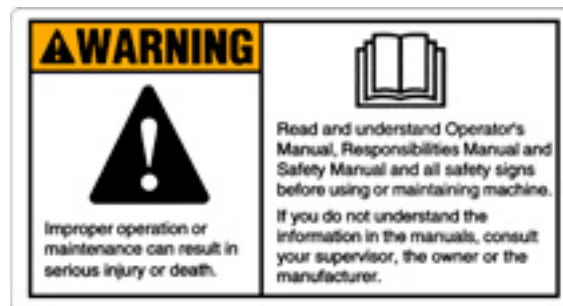
- Length: 102 mm
- Height: 64 mm

REF [123TA5211](#)



- Length: 102 mm
- Height: 102 mm

REF [126TA3808](#)



- Length: 124 mm
- Height: 70 mm

REF [123TA5299](#)



## DECALS



- Length: 248 mm
- Height: 133 mm

REF [126TA3866](#)



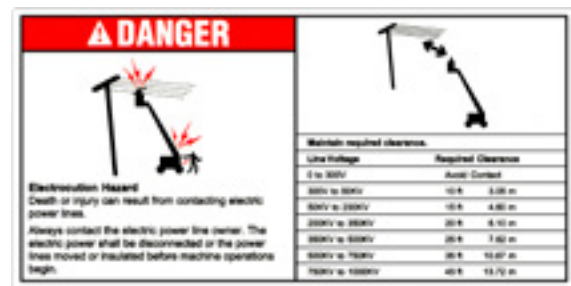
- Length: 203 mm
- Height: 330 mm

REF [165TA3891](#)



- Length: 178 mm
- Height: 330 mm

REF [165TA3890](#)



- Length: 202 mm
- Height: 103 mm

REF [123TA5205](#)



## TUBELESS TYRES



Tyre size: 445 x 50 x 710 mm

Used on ZX-135/70, S-120,  
Z-135/70

**REF [160TA8996](#)** - LH  
**REF [160TA9296](#)** - RH



- Foam filled tyre 10-16,5
- Tyre size: 280 x 203 x 750 mm

Used on GS-3384, GS-84

**REF [160TA9053](#)** - LH  
**REF [160TA9880](#)** - RH



- Foam filled tyre 385-19 1/2  
16PLY
- Size: 385 x 65 x 19,5

Used on S-60

**REF [160TA8392](#)** - LH  
**REF [160TA9274](#)** - RH



- Foam filled tyre
- Tyre size: 15 x 19 1/2 16PL

Used on Z-60/34, S-60

**REF [160TA7124](#)** - LH  
**REF [160TA7529](#)** - RH



- Foam filled wheel assembly
- Tyre size: 385 x 65 x 22,5

Used on S-80

**REF [160TA9385](#)** - LH  
**REF [160TA9384](#)** - RH



- Foam filled wheel
- Tyre size: 920 x 355 mm

Used on Z-45/251C from  
serial n° 9996 to 99999,  
Z-51/30J, Z-45/25

**REF [161TA1579](#)** - LH  
**REF [161TA1419](#)** - RH



- Foam filled wheel
- Tyre size: 920 x 355 mm
- Non-marking

Used on Z-45/251C from  
serial n° 9996 to 99999,  
Z-51/30J, Z-45/25

**REF [160TA8250](#)** - LH  
**REF [160TA9657](#)** - RH



- Foam filled wheel
- Tyre size: 385 x 65 x D22

Used on S100/105, SX105/125XC

**REF [160TA8816](#)** - LH  
**REF [165TA3892](#)** - RH



## TUBELESS TYRES



- Tubeless tyre
- Tyre size: 12 x 16,5

Used on S-40

**REF [160TA9815](#)** - LH  
**REF [160TA9865](#)** - RH



- Tubeless tyre
- Tyre size: 18-625 NHS

Used on S-80X, Z-80/60

**REF [160TA8503](#)** - LH  
**REF [160TA9251](#)** - RH



- Tubeless tyre
- Tyre size: 18-625 NHS

Used on Z-80/60

**REF [160TA9687](#)** - LH  
**REF [160TA9809](#)** - RH



- Tubeless tyre
- Tyre size: 26 x 12D380

Used on GS-2668 DC, GS-2668 RT, GS-2669 DC, GS-2668RT, GS-2668

**REF [161TA1608](#)** - LH  
**REF [161TA1675](#)** - RH



- Tubeless tyre
- Tyre size: 355/55D625

Used on S-60, Z-60/34, Z-62/40

**REF [161TA1494](#)** - LH  
**REF [161TA1168](#)** - RH



- Tubeless tyre
- Tyre size: 305 x 546 mm

Used on GS84/90, GS3390/4390/53, GS84/90

**REF [161TA5716](#)** - LH  
**REF [161TA5774](#)** - RH



- Tubeless tyre
- Tyre size: 9 x 14,5
- Non-marking

Used on Z-60/34, Z-45/22, Z-34/22 IC, Z-34/22, Z-34/22N

**REF [160TA7946](#)**



- Tubeless tyre
- Tyre size: 9 x 14,5

Used on Z-45/22, Z-34/22N, Z-34/22IC, Z-30/20, Z-34/22, Z-45/22D, Z-34/22 BI-ENERGY, Z-45/25DC from serial n° 9996 to 99999, Z-34/22G, Z-34/22 IC, Z-45/25 BI-ENERGY, Z-45/22DC, Z-45/22IC, Z34/22 DC, Z-45/25, Z-45/25IC from serial n° 9996 to 99999, Z-45/25J BI-ENERGY from serial n° 9996 to 99999, Z-45/25J

**REF [161TA2103](#)**





TRACTION WHEELS						
	Diameter wheel mm	Number of bolt holes	Width wheel mm	Diameter shaft mm	Used on	REF
	204	0	50	25,5	CWP-8S, IWP SUPER SERIES, CWP SUPER SERIES	<a href="#">145TA9114</a>
	381	0	127	32	GS-2046, GS-2032, GS-30, GS-1530 from serial n° 00001 to 75999, GS-4047, GS-2646 AV	<a href="#">129TA9847</a>
	406	0	127	33	GR-20J	<a href="#">160TA5700</a>
	457	0	152	32,5	Z-25/8	<a href="#">161TA1174</a>
	405	4	127	85	GR-20J	<a href="#">161TA2719</a>
	559	8	178	153	Z-30/20N	<a href="#">147TA2976</a>
	650	9	178	200,5	Z-40/23N, Z-40/23 N	<a href="#">160TA8007</a>



PNEUMATIC TYRES					
	Type	Dimensions of the tyre	Ply rating	Used on	REF
	Skid steer tubeless pneumatic	10 x 16,5	8PR	Z-34/22 IC, Z-45/25 BI-ENERGY, Z-34/22N, Z-34/22IC, Z-34/22, Z-34/22 BI-ENERGY, Z-34/22G, Z34/22 DC, GS-3384	<a href="#">152TA1854</a>
	Skid steer tubeless pneumatic	12 x 16,5	10PR	GTH-2306, GTH-2506, S-40, GTH-5519, GTH-2506 III A	<a href="#">152TA1871</a>
	Skid steer tubeless pneumatic	14 x 17,5	14PR	Z-45/22, Z-45/25IC from serial n° 9996 to 99999, Z-45/25	<a href="#">152TA1859</a>
	Skid steer tubeless pneumatic	18 x 625	14PR	Z-80/60, S-80X	<a href="#">126TA5934</a>
	Skid steer tubeless pneumatic	355 x 55 x D62	14PR	Z-45/25IC from serial n° 9996 to 99999, S-60, Z-51/30J, Z-45/25, Z-60/34, Z-62/40	<a href="#">152TA1860</a>
	Skid steer tubeless pneumatic	385 x 65 x 22,5	16PR	S-80	<a href="#">161TA1355</a>
	Tubeless	9 x 14,5	12PR	Z-34/22 IC, Z-45/22DC, Z-45/25 BI-ENERGY, Z-34/22N, Z-45/22IC, Z-34/22IC, Z-45/22, Z-34/22, Z-30/20, Z-34/22 BI-ENERGY, Z-45/25DC from serial n° 9996 to 99999, Z-34/22G, Z34/22 DC, Z-45/25, Z-45/25IC from serial n° 9996 to 99999, Z-45/25J, Z-45/22 MP	<a href="#">161TA2113</a>





## PNEUMATIC TYRE KITS



- Tyre size: 14 x 17,5
- Radial or diagonal: diagonal

Used on Z-45/251C from serial n° 9996 to 99999, Z-45/25

**REF [160TA6531](#)**



- Tyre size: 14 x 17,5
- Radial or diagonal: diagonal

Used on Z-45/251C from serial n° 9996 to 99999, Z-45/25

**REF [160TA8251](#)**



- Tyre size: 355 x 55 x D62
- Radial or diagonal: diagonal

Used on Z-45/251C from serial n° 9996 to 99999, Z-51/30J, Z-45/25

**REF [160TA9572](#)**



- Tyre size: 9 x 14,5
- Radial or diagonal: diagonal

Used on Z-45/22, Z-34/221C, Z-34/22N, Z-34/22, Z-45/22D, Z-34/22 BI-ENERGY, Z-45/25DC from serial n° 9996 to 99999, Z-34/22G, Z-34/22 IC, Z-45/22DC, Z-45/25 BI-ENERGY, Z-45/221C, Z34/22 DC, Z-45/25, Z-45/25J, Z-45/22 MP

**REF [161TA1021](#)**



- Tyre size: 10 x 16,5
- Radial or diagonal: diagonal

Used on GS-3384, Z-34/22 IC, GS-84, Z-34/221C, Z-34/22, Z-34/22G

**REF [161TA1592](#)**



- Dimensions tyre: 9 x 14,5
- Tubeless
- Non-marking

Used on Z34/22(N/DC/BI-ENERGY), Z34/221C, Z34/22N-Z34/22DC

**REF [139TA1834](#)**



LOAD WHEELS					
	Diameter wheel mm	Width wheel mm	Diameter shaft mm	Used on	REF
	250	65	19,2	SUPERLIFT CONTRACTOR, SUPERLIFT ADVANTAGE, POWERED SUPERLIFT ADVANT., SUPERLIFT, S-60	<a href="#">151TA2952</a>
	305	115	32,0	GS1530/1532/1930/1932, GS30/32/46, GS1530/1930	<a href="#">128TA3436</a>
	559	178	53	Z40/23N-Z40/23N RJ, Z34/22(N/DC/BI-ENERGY), Z30/20N, Z30/20N(RJ)	<a href="#">128TA3435</a>
	559	178	200	Z34/22(N/DC/BI-ENERGY), Z30/20N, Z30/20N(RJ)	<a href="#">128TA3434</a>
	254	77	20,8	QS12,15,20(R)(W), GRC12, GR12/15/20	<a href="#">145TA9128</a>
	559	178	200	Z30/20N(RJ), Z34/22N-Z34/22DC, Z34/22-Z34/22N	<a href="#">128TA3433</a>



## SOLID TYRE KIT



Used on V-1832

**REF [161TA1488](#)**

## WHEEL BOLTS



- Neck diameter: 16,2 mm
- Length: 61 mm
- Thread type: 5/8" UNF
- Imperial pitch: 18 Pi
- RH/LH: RH

Used on S-40, Z-34/22IC, Z-45/25IC from serial n° 9996 to 99999, GS-3390, GS-3384, Z-51/30J, GS-84, Z-34/22 IC, Z-45/25

**REF [160TA8658](#)**



- Neck diameter: 22,1 mm
- Length: 64 mm
- Thread type: 3/4" UNF
- Imperial pitch: 16 Pi
- RH/LH: RH

Used on S-60, S-80, Z-80/60, S-80X

**REF [160TA7992](#)**

## CASTORS



- Diameter wheel: 127 mm
- Number of bolt holes: 4
- Width wheel: 50 mm
- Total height: 165 mm

Used on AWP SUPER SERIES, AWP from serial n° 0000-00000 to 9999-99999

**REF [160TA6553](#)**



- Diameter wheel: 203 mm
- Number of bolt holes: 4
- Width wheel: 63 mm
- Total height: 255 mm

**REF [160TA6538](#)**



- Diameter wheel: 127 mm
- Number of bolt holes: 4
- Width wheel: 50 mm
- Total height: 165 mm

Used on SUPERLIFT ADVANTAGE, GENIE LIFT

**REF [139TA1840](#)**



## ACTUATOR ASSEMBLY



- Length: 235 mm
- Diameter: 22 mm

Used on S40/45, GS84/90, GS2669/3369/4069R, GS3384, GS3390/4390/53, Z51/30J, Z34/22IC

REF [160TA9500](#)



AXLES/PINS				
	Diameter mm	Total length mm	Used on	REF
	9,4	72	GR8/12/15, GS2669/3369/4069DC, GS2032/3246, GS2669/3369/4069R, GS1530/1532/1930/1932	<a href="#">127TA2702</a>
	12,6	91	SUPERLIFT ADVANTAGE, SUPER CONTRACTOR, SUPER TOWER	<a href="#">139TA1752</a>
	19	108	GS84/90, GS1530/1930, GS3390/5390, GS3384, GS2032/2632	<a href="#">128TA3274</a>
	31,7	201	Z51/30J, Z45/25(J/DC/BI-ENERGY), S120/125, S100/105, S80/85, S80X/S80/S85, S40/45, S60/65(HC)TRAX	<a href="#">128TA3273</a>
	38	73	GS84/90, GS3390/5390, GS3384, GS3390/4390/53	<a href="#">128TA3275</a>
	19	69	GS1530/1930, GS2046/2646/32	<a href="#">128TA3281</a>



AXLES/PINS				
	Diameter mm	Total length mm	Used on	REF
	19	222	Z45/25IC-Z45/25J IC, TZ50, TZ34/20, Z45/25(J), Z51/30J, Z30/20N	<a href="#">139TA1888</a>
	31,7	367	S120/125, S40/45, S80/85, Z45/25IC-Z45/25J IC, Z51/30J	<a href="#">128TA3271</a>
	25,3	86	Z34/22(N/DC/BI-ENERGY), Z34/22N(DC), Z45/25(IC POWER), S40/45, Z30/20N	<a href="#">128TA3283</a>
	38	120	S40, S60/65, S80/85	<a href="#">128TA3284</a>
	19	146	SX180, S40/45, S60/65(X)(XC)(HC) (TRAX), S100/105, S120/125, Z60/34, Z34/22(N/DC/BI-ENERGY)	<a href="#">139TA1851</a>
	31,7	178	Z51/30J, Z80/60, Z45/25(J/DC/BI-ENERGY), Z45/25(J), S60/65, S80/85, S100/105, S120/125	<a href="#">128TA3280</a>



AXLES/PINS				
	Diameter mm	Total length mm	Used on	REF
	31,7	265	Z30/20N, Z40/23N(RJ), Z34/22N-Z34/22DC, Z34/22IC POWER	<a href="#">128TA3269</a>
	38	108	Z45/25IC/Z45/25J IC, Z51/30J, Z45/25(J/DC/BI-ENERGY), Z45/25(IC POWER)	<a href="#">139TA1880</a>
	38	121	S40/45, S60/65, Z60/34	<a href="#">161TA2001</a>
	38	82	GS84/90,GS3390/5390, GS3390/4390/53, Z30/20N, Z34/22IC, Z34/22N-Z34/22DC	<a href="#">127TA2734</a>
	31,7	70	GS2668/3268DC, GS2668/3268RT, Z80/60	<a href="#">128TA3268</a>





USED ON  
**GROVE**



## ELECTRONIC JOYSTICKS



Dual-axis  
**REF [145TA3341](#)**



Single-axis  
**REF [165TA3893](#)**



Single-axis  
**REF [139TA5040](#)**



Single-axis  
Used on SM2646E, SM3146E  
**REF [151TA1110](#)**



Single-axis  
Used on AMZ39NE, AMZ39NEU  
**REF [151TA1111](#)**



Single-axis  
**REF [151TA1114](#)**



Single-axis, with centre lock  
**REF [151TA1116](#)**



Single-axis  
Used on AMZ68XT  
**REF [145TA2867](#)**



Single-axis  
Used on A45J  
**REF [145TA3099](#)**



Single-axis  
Used on AMZ68XT  
**REF [145TA2877](#)**



## ELECTRONIC JOYSTICKS



Single-axis

**REF [145TA3339](#)**



Single-axis

Used on A45J, MZ72DXTU

**REF [145TA3096](#)**



Single-axis

**REF [145TA3338](#)**



Single-axis

**REF [151TA1113](#)**



Single-axis

Used on AMZ50XT

**REF [145TA3106](#)**



Single-axis

**REF [151TA1117](#)**



Single-axis

Used on Toucan 800, 800A

**REF [165TA3894](#)**



Dual-axis

Used on SM3884XT

**REF [151TA1109](#)**



Single-axis

Used on MZ72DXTU

**REF [145TA3109](#)**





## MOTOR CONTROLLER

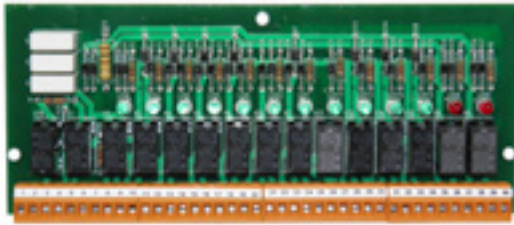


- Voltage: 48 V
- Current: 400 A

Used on Toucan 800A, 910

REF [165TA3895](#)

## PRINTED CIRCUIT BOARDS



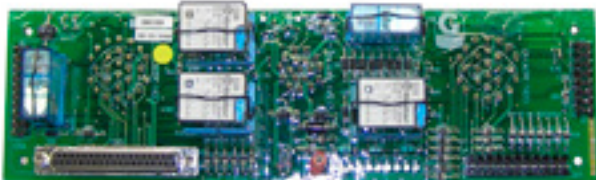
Board relay

Used on AMZ68XT, A45J, MZ72DXTU



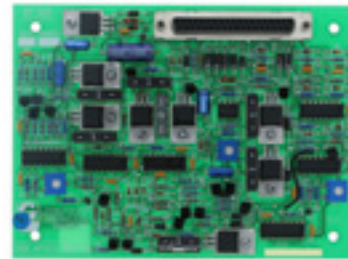
Board-tach

Used on AMZ39NE, AMZ39NEU



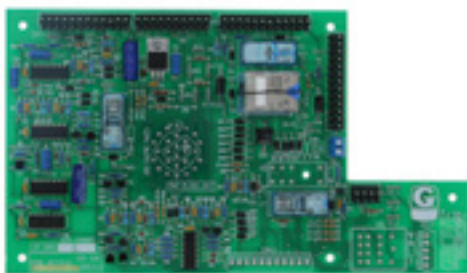
Connectors board

Used on Toucan 910



Delay timer board

Used on Toucan 910



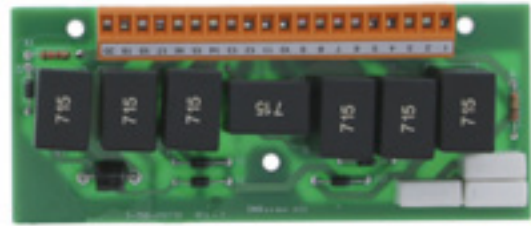
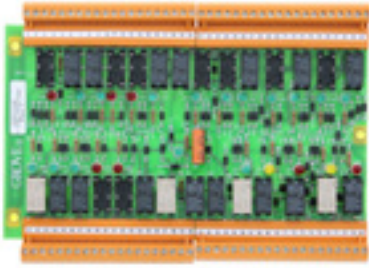
Electronic board



Printed circuit board



## PRINTED CIRCUIT BOARDS



Used on SM2632E



UCB board T800/VM2639E

Used on Toucan 800A

Although these electronic cards may resemble the one fitted on your mobile elevating work platform there can be a big difference. Therefore we always ask you to supply us with part number or full vehicle details before ordering a similar unit.

This is just a small selection of our electronic boards. For all other types, please feel free to call us!



## AUTOMATIC FUSE



- Type of fuse: with push button
- Voltage: 50 VDC/250 VAC
- Current: 30 A

REF [141TA3599](#)

## ELECTRIC BRAKE



- Voltage: 24 V
- Power: 31 W
- Outer diameter coil: 125 mm
- Outer diameter: 165 mm
- Number of teeth: 13

REF [136TA2840](#)

## BUZZERS/BACK-UP ALARMS



- Voltage: 1–16 V
- Volume: 93 dB
- Conformity: not approved

Used on AMZ68XT, AMZ106XT, SM3884XT, AMZ50XT, A45J, MZ72DXTU

REF [150TA9930](#)



- Voltage: 12–24 V
- Volume: 102 dB
- Conformity: SAE-approved

Used on AMZ68XT, AMZ106XT, SM3884XT, SM4688XT, A45J

REF [150TA9928](#)

## CABLE GLAND



- 90°
- PG29

Used on Toucan 800, 800A, 910

REF [151TA1212](#)

## CONTACT KIT



- Number of contacts: 3
- Diameter largest tip: 10,3 mm
- Number of tips: 4

REF [108TA8231](#)



CONTACTORS COMPLETE						
	Voltage V	Maximum current interrupted A	Maximum current uninterrupted A	Magnetic blowouts	Dust cover	REF
	12	100	100	No	Enclosed version	<a href="#">165TA3896</a>
	24	100	100	No	IPP66	<a href="#">165TA3897</a>
	24	100	100	No	No	<a href="#">139TA5069</a>
	24	150	150	Yes	Yes	<a href="#">165TA3898</a>
	24	150	200	No	No	<a href="#">107TA1281</a>
	24	300	300	No	Enclosed version	<a href="#">125TA4562</a>





## CONNECTOR HOUSINGS



- Biggest diameter: 47,5 mm
- Smallest diameter: 31,5 mm
- Height: 65 mm
- Number of pins: 23

Used on AMZ39NE, AMZ39NEU, AMZ68XT, AMZ106XT, AMZ739NE, A45J, MZ72DXTU

**REF [151TA1144](#)**



- Biggest diameter: 48 mm
- Smallest diameter: 33 mm
- Height: 40 mm
- Number of pins: 26

Used on Toucan 910, 800A

**REF [151TA1152](#)**



- Biggest diameter: 49,32 mm
- Smallest diameter: 40,77 mm
- Height: 65,28 mm
- Number of pins: 23

Used on AMZ68XT, AMZ106XT, T86J, SM3384XT, A45J, MZ72DXTU

**REF [165TA3899](#)**

## RELAYS



- Type of relay: printed circuit board
- Voltage: 12 V
- Type of voltage: DC
- Current: 5 A

Used on AMZ68XT, AMZ106XT, A45J, MZ72DXTU

**REF [151TA1313](#)**



- Type of relay: printed circuit board
- Voltage: 12 V
- Type of voltage: DC
- Current: 5 A

Used on AMZ68XT, AMZ106XT, A45J, MZ72DXTU

**REF [165TA3900](#)**



## TIMER RELAYS



- For 12 V-machines
- 5 sec

Used on AMZ68XT, A45J, MZ72DXTU

**REF [151TA1305](#)**



- For 12 V-machines
- 15 sec

Used on AMZ68XT, A45J, MZ72DXTU

**REF [151TA1312](#)**



- For 12 V-machines
- 0,5 sec

Used on AMZ68XT, AMZ106XT, A45J, MZ72DXTU

**REF [151TA1318](#)**

## SERVO MOTOR



Voltage: 24 V

**REF [139TA5038](#)**

## BREATHER



- Type of thread: 1/4" BSP RH
- Maximum diameter: 44,5 mm
- Width across flats: 17 mm

Used on Toucan 1100, 1100C

**REF [139TA5186](#)**

## BRUSH KIT



- Thickness: 7,8 mm
- Width: 27,8 mm
- Height: 30,5 mm
- Set of 4 brushes

Used on Toucan 800, 800A, 910, 1100, 1100C

**REF [121TA2443](#)**



## CARBON BRUSHES



- Thickness: 9,3 mm
- Width: 20,4 mm
- Height: 29 mm

Used on SM3248E

REF [140TA4715](#)



- Thickness: 9,4 mm
- Width: 20,6 mm
- Height: 28 mm

Used on AMZ39NE/AMZ39NEU,  
AMZ739NE

REF [122TA5244](#)

## ELECTRIC MOTORS

	Minimum voltage V	Current A	Revolutions/ minute rpm	Power kW	Direction of rotation	REF
	12	220	2500	1,6	CCW	<a href="#">139TA5037</a>
	24	150	3600	2,94	CW	<a href="#">122TA7771</a>
	24	162	3600	3,07	CCW	<a href="#">150TA9957</a>
	48	82	2650	3,12		<a href="#">150TA9956</a>
	48	94	2850	3,38		<a href="#">150TA9961</a>
	50	133	3300	5,22		<a href="#">150TA9960</a>



## GEARS



- Outer diameter: 103,4 mm
- Total height: 78,5 mm
- Number of teeth: 19
- Number of splines: 23

Used on AMZ68XT, MZ72DXTU

**REF [165TA3901](#)**



- Outer diameter: 87 mm
- Total height: 252 mm
- Number of teeth: 19

Used on Toucan 1100, 1100C

**REF [165TA3902](#)**

## DISC FOR ELECTRIC BRAKE



- Type: friction disc
- Outer diameter: 97 mm
- Number of splines: 25

Used on AMZ39NE,  
AMZ39NEU, AMZ739NE

**REF [150TA9965](#)**

## FRICION PLATE



- Type of friction plate:  
different shape
- External diameter: 98 mm
- Internal diameter: 60 mm

Used on AMZ39NE,  
AMZ39NEU, AMZ739NE

**REF [150TA9964](#)**

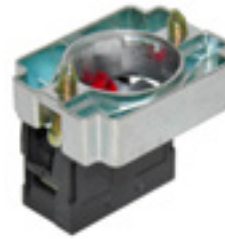


## CONTACT BLOCKS



- Voltage AC: 230 V
- Current AC: 2 A
- Voltage DC: 200 V
- Current DC: 1 A

REF [147TA1651](#)



- Voltage: 600 V
- Current: 10 A
- 1 x NC contact

Used on Toucan 800, 800A, 910, 1100, 1100C

REF [165TA3903](#)

## CONTACT BLOCK HOLDER



Dimensions: 15,8 x 30 x 46,5 mm

Used on AMZ39NE/AMZ39NEU, AMZ68XT, SM2632E, AMZ739NE, SM3884XT, A45J, MZ72DXTU, AMZ106XT

REF [138TA7184](#)

## EMERGENCY STOP SWITCH HIGH CAPACITY



- Maximum contact voltage: 80 V
- Current: 300 A
- Magnetic blowouts: no
- Dust cover: enclosed

Used on A45J, MZ72DXTU

REF [139TA2682](#)

## FOOT SWITCH



- Voltage: 240 V
- Current: 3 A
- IP66
- Number of NC contacts: 2
- Number of NO contacts: 2

Used on AMZ68XT, AMZ106XT, A45J, MZ72DXTU

REF [150TA9843](#)

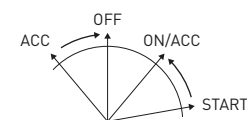
## IGNITION SWITCH



- Number of connections: 4
- Number of positions: 4
- Built-in diameter: 19 mm
- Total length: 71 mm

Used on SM2646E/SM3146E, AMZ39NE/AMZ39NEU, SM2632E, AMZ66, AMZ2739NE, SM4688XT, SM3884XT, AMZ50XT

REF [164TA7398](#)



## IGNITION SWITCH KEY



- Key number: 421E
- Number of supplied keys: 1

REF [129TA4269](#)



## LIMIT SWITCHES



- Number of NO contacts: 0
- Number of NC contacts: 2
- Current: 6 A

Used on Toucan 800, 800A, 910, 1100, 1100C

**REF [139TA5077](#)**



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 3 A

Used on AMZ106XT, AMZ68XT, SM3248E, SM4688XT, SM3884XT

**REF [146TA8583](#)**



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 3 A

Used on T86J, A45J, MZ72DXTU

**REF [146TA8584](#)**

## MICROSWITCH



- Number of connections: 3
- Number of CO contacts: 1
- Current: 5 A

Used on Toucan 800, 800A, 910, 1100, 1100C

**REF [139TA5078](#)**

## MUSHROOMHEAD PUSH BUTTONS



Diameter: 40 mm

Used on Toucan 800, 800A, 910

**REF [165TA3904](#)**



- Diameter: 40 mm
- 1 x NC contact

Used on A45J, MZ72DXTU

**REF [165TA3905](#)**



## OPERATING HEAD



- Number of positions: 3
- Built-in diameter: 22 mm
- Key number: 421E
- Material: metal

Used on SM2646E, SM3146E, SM3160E, SM2632E, SM3884XT, AMZ68XT, AMZ106XT, AMZ66, AMZ50XT, A45J, MZ72DXTU

REF [139TA5090](#)

### Spare part key



REF [129TA4269](#)

## PUSH BUTTON COMPLETE



- Diameter: 16 mm
- Length: 42,5 mm
- Button colour: black

Used on SM2646E, SM3146E, SM3160E, SM2632E, SM3884XT, AMZ68XT, AMZ106XT, AMZ66, AMZ50XT, AMZ2739NE, A45J, MZ72DXTU

REF [146TA9929](#)

## ROTARY SWITCH



- Number of positions: 3
- Voltage: 600 V
- Current: 10 A
- Built-in diameter: 22 mm

Used on Toucan 800, 800A, 910, 1100, 1100C

REF [139TA5105](#)

## RUBBER BELLOWS SWITCHES



Height: 11 mm

Used on SM2646E, SM3146E, SM3160E, SM2632E, SM3884XT, SM3248E, AMZ68XT, AMZ106XT, AMZ39NE/AMZ39NEU, AMZ66, AMZ50XT, AMZ2739NE, A45J, MZ72DXTU, T86J

REF [127TA2723](#)



Height: 19 mm

Used on SM2646E, SM3146E, SM3160E, SM2632E, SM3884XT, AMZ68XT, AMZ106XT, AMZ2739NE, A45J, MZ72DXTU

REF [165TA3906](#)



Height: 24,5 mm

Used on Toucan 800, 800A, 910

REF [139TA5088](#)





## TOGGLE SWITCHES



- Positions: on-off-on
- Number of connections: 3
- Voltage: 125 – 250 – 277 V
- Current: 10 A

Used on AMZ66, AMZ50XT

**REF [126TA5385](#)**



- Positions: on-off-on
- Number of connections: 6
- Voltage: 125 – 250 – 277 VAC
- Current: 10 A

Used on AMZ39NE/AMZ39NEU, AMZ68XT, AMZ106XT, AMZ66, AMZ739NE, AMZ50XT, A45J, MZ72DXTU

**REF [126TA5388](#)**



- Positions: on-off-on
- Number of connections: 6
- Voltage: 125 – 250 V
- Current: 6 A

Used on Toucan 910

**REF [139TA5087](#)**



- Positions: on-on
- Number of connections: 3
- Voltage: 125 – 250 – 277 VAC
- Current: 15 A

Used on SM2646E, SM3146E, SM3160E, SM3384XT, SM3248E, AMZ68XT, AMZ106XT, AMZ66, AMZ50XT, A45J, MZ72DXTU

**REF [146TA8573](#)**



- Positions: on-on-on
- Number of connections: 6
- Voltage: 250 VAC
- Current: 9 A

Used on AMZ68XT, AMZ106XT

**REF [146TA5683](#)**



- Positions: on-on-on
- Number of connections: 6
- Voltage: 277 VAC, 250 VDC
- Current: 15–20 A

Used on A45J, MZ72DXTU

**REF [147TA1661](#)**



## TILT SENSORS



- Dimensions: 97 x 89 x 1155 mm
- Switch type: normally closed
- Voltage: 12-24 V
- Detection: 2,5° 2-sec delay

Used on SM3248E, A45J

**REF [160TA5621](#)**



- Dimensions: 97 x 89 x 116 mm
- Switch type: normally closed
- Voltage: 24 V
- Detection: 3°

Used on Toucan 910, 1100, 1100C

**REF [139TA5064](#)**



- Dimensions: diameter 84,5 x 63 mm
- Switch type: normally closed
- Voltage: 24 V
- Detection: 1,9°/1,9° (X/Y)

**REF [139TA5059](#)**



- Height: 113 mm
- Diameter: 45 mm
- Switch type: normally closed
- Voltage: 12-24 V
- Detection: 3° 2-sec delay

Used on T86J

**REF [165TA3909](#)**



- Height: 113,5 mm
- Diameter: 89 mm
- Voltage: 24 V
- Detection: 4,5° 2-sec delay

Used on AMZ50XT, AMZ106XT, SM2632E

**REF [165TA3907](#)**



- Height: 120 mm
- Diameter: 97 mm
- Switch type: normally closed
- Voltage: 12-24 V
- Detection: 4,5° 2-sec delay

Used on AMZ68XT

**REF [165TA3910](#)**

## PROXIMITY SENSOR



- Height: 70 mm
- Diameter: M30 x 1,5 mm
- Switch type: inductive sensor NO/NC
- Voltage: 10/30 V

Used on MZ72DXTU

**REF [165TA3908](#)**



## COMBINATION GAUGES



Voltage: 24-48 V

Used on Toucan 910

REF [151TA1288](#)



- Voltage: 24-48 V
- Built-in diameter: 52 mm
- With lift lock-out
- Connection: with 8-pin connector

Used on Toucan 800, 800A, 1100, 1100C

REF [106TA1141](#)



## ACCUMULATOR



- Nominal volume: 176 l
- Permissible operating pressure: 206,75 bar
- Oil port: 9/16" UNF
- Precharge pressure: 43,4 bar
- Max outer diameter: 60,5 mm
- Material: steel

Used on AMZ68XT, AMZ106XT, SM4688XT, SM3884XT, A45J

REF [150TA9844](#)

## AIR BRAKE VALVE



3-way valve without pedal acces

REF [165TA3913](#)

## CARTRIDGE VALVES



- Width across flats: 19,05 mm
- Length: 103,3 mm
- Diameter: 16 mm

REF [165TA3911](#)

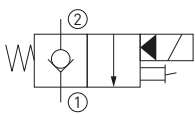


- Width across flats: 48 mm
- Length: 126 mm
- 3/8" cartridge holding valve

Used on AMZ66

REF [165TA3914](#)

## CARTRIDGE WITH COIL



- Voltage: 12 V
- AC/DC: DC
- Resistance: 8,5  $\Omega$
- Diameter: 15 mm
- Length: 112 mm

REF [165TA3912](#)

Cartridges exist in a variety of dimensions and wiring diagrams. When placing an order, always provide the necessary info with regard to the wiring diagram, as cartridges may have identical dimensions yet be connected in different ways.

Diameter D1 is the nose of the cartridge.  
Diameter D2 is the diameter of the cartridge end on which the coil is mounted.



## CARTRIDGE VALVE COILS



- Voltage: 12 V
- AC/DC: DC
- Resistance: 6,2  $\Omega$
- Diameter: 45,3 mm
- Height: 58 mm

Used on SM4688XT, SM3884XT

**REF [131TA8349](#)**



- Voltage: 12 V
- AC/DC: DC
- Resistance: 7,8  $\Omega$
- Diameter: 43,7 mm
- Height: 51,5 mm

Used on AMZ68XT, AMZ106XT, AMZ50XT, SM3884XT, SM4688XT

**REF [131TA8285](#)**



- Voltage: 18 V
- AC/DC: DC
- Resistance: 10  $\Omega$
- Diameter: 16,3 mm
- Height: 44,5 mm

Used on AMZ68XT, AMZ106XT

**REF [165TA3915](#)**



- Voltage: 24 V
- AC/DC: DC
- Resistance: 21  $\Omega$
- Diameter: 36,3 mm
- Height: 50 mm

Used on Toucan 800, 800A, 910

**REF [131TA8293](#)**

## FITTING FOR HYDRAULIC CIRCUIT



Fitting: 9/16" JIC-3/8" BSP

Used on Toucan 800, 800A, 910, 1100, 1100C

**REF [160TA3162](#)**



## STEERING CYLINDERS



- Total measured length: 172,5 mm
- Diameter tube: 25,4 mm
- Diameter rod: 6,4 mm
- Piston shaft stroke: 50 mm

REF [151TA1262](#)



- Total measured length: 291 mm
- Diameter tube: 60 mm
- Diameter rod: 35 mm

Used on Toucan 1100, 1100C

REF [165TA3917](#)



- Total measured length: 345 mm
- Diameter tube: 60 mm
- Diameter rod: 30 mm
- Piston shaft stroke: 130 mm

REF [151TA1266](#)



- Total measured length: 390 mm
- Diameter tube: 48 mm
- Diameter rod: 19 mm
- Piston shaft stroke: 158 mm

Used on AMZ39NE/AMZ39NEU, AMZ739NE

REF [151TA1263](#)



- Total measured length: 645 mm
- Diameter tube: 60 mm
- Diameter rod: 30 mm

Used on Toucan 910

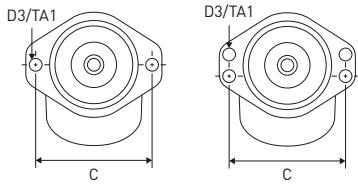
REF [165TA3916](#)



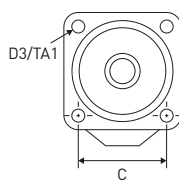
## HYDRAULIC MOTORS

### Type of flange

Type A

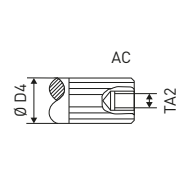


Type C

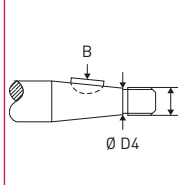


### Type of shaft

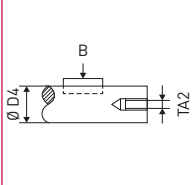
Type C



Type E



Type F



	Thread connections	Type of flange	Type of shaft	Total length mm	Used on	REF
	7/16" UNF x 20 Pi	S	E	317	SM3248E	<a href="#">165TA3918</a>
	7/8" UNF x 14 Pi	A	F	223	A45J	<a href="#">151TA1086</a>
	7/8" UNF x 14 Pi	C	E	270	Toucan 1100, 1100C	<a href="#">131TA6886</a>
	5/16" UNC x 20 Pi	A	C	183,7	AMZ68XT, AMZ106XT, AMZ66, T86J, MZ72DXTU	<a href="#">151TA1087</a>

## HYDRAULIC PUMPS



- Total length: 142 mm
- Neck diameter: 45,2 mm
- Directory of rotation: CW
- Material of housing: metal

REF [151TA1097](#)



- Total length: 87,4 mm
- Neck diameter: 52 mm
- Directory of rotation: CCW
- Material of housing: aluminium

Used on Toucan 800, 800A, 1100, 1100C

REF [139TA5119](#)





HYDRAULIC PUMP GROUPS				
	Electric motor	Power kW	Used on	REF
	12 VDC	1,6	AMZ68XT, T86J	<a href="#">151TA1079</a>
	24 V	3	Toucan 800, 800A, 1100, 1100C	<a href="#">139TA5117</a>
	24 V	3	Toucan 910	<a href="#">105TA2721</a>
	24 VDC	0,8	Toucan 800, 800A, 910	<a href="#">139TA5118</a>

### HYDRAULIC VALVE STD



- Number of elements: 1
- Number of plungers: 3
- Length: 172,5 mm

Used on Toucan 1100, 1100C

**REF [165TA3919](#)**

### HAND PUMP LEVER



- Length: 334 mm
- Diameter: 27 mm

Used on Toucan 800, 800A, 910, 1100, 1100C

**REF [165TA3920](#)**



## PART OF VALVE



- Cap
- Inner diameter: 19 mm
- Outer diameter: 24 mm

Used on Toucan 800, 800A, 910

**REF [165TA3921](#)**

## ACTUATOR ASSEMBLY



Operating pressure: 3000 bar

Used on AMZ68XT, AMZ106XT

**REF [151TA1103](#)**

## PNEUMATIC CYLINDER



- Outer diameter tube: 1"
- Diameter rod: 1/4"
- Stroke: 50 mm

Used on AMZ106XT, T86J, A45J, MZ72DXTU

**REF [151TA1264](#)**

## PRESSURE VALVES (FLOW)



- Thread: M20 x 1,5 mm
- Length: 87 mm

Used on AMZ68XT, AMZ66

**REF [165TA3922](#)**



- Thread: M20 x 1,5 mm
- Length: 87 mm

Used on Toucan 800, 800A, 1100, 1100C

**REF [164TA7704](#)**



- Thread: 1 3/16"
- Length: 110 mm

Used on AMZ68XT, AMZ66, AMZ50XT

**REF [165TA3923](#)**



## SPRING SWIVEL



- Length: 73,5 mm
- Thread: 1/4" UNF

Used on T86J, A45J,  
MZ72DXTU

**REF [151TA1243](#)**

## ENGINE STOP SOLENOID



- Voltage: 12 V
- Type of current: DC
- Function: pull
- Mounting side: both sides
- Length: 96,3 mm

**REF [165TA3925](#)**

## STARTER



- Voltage: 12 V
- Power: 2,9 kW
- Number of teeth: 10

**REF [103TA3589](#)**

## V-BELT



- V-belt toothed open flank
- Belt width: 16,5 mm
- Belt height: 10,5 mm
- Outside length: 1225 mm

Used on T86J

**REF [165TA3924](#)**



## BALL JOINT



- Type of thread: inner
- Length: 33 mm
- Thread: 1/4" UNF
- Thread: RH

Used on AMZ106XT, T86J, A45J, MZ72DXTU

REF [151TA1329](#)

## THRUST BEARINGS



Used on MZ72DXTU

REF [150TA9948](#)



Used on Toucan 910, 1100, 1100C

REF [165TA3927](#)

## CABLE CLIP



- Length: 41,5 mm
- Width: 38 mm

Used on Toucan 800, 800A, 910, 1100, 1100C

REF [165TA3926](#)

## CHAIN



- Pitch: 15,88 mm
- Plate combination: 4 x 4
- Pin diameter: 5,08 mm
- Total width: 16,4 mm

Used on Toucan 800, 800A, 910

REF [151TA1158](#)



## CABLE GUIDES



- Outside dimensions: 106 x 50 mm
- Inside dimensions: 100 x 34 mm
- Material: plastic

Used on Toucan 1100, 1100C

**REF [151TA1135](#)**



- Outside dimensions: 116 x 50 mm
- Inside dimensions: 100 x 34 mm
- Material: plastic

Used on Toucan 1100, 1100C

**REF [151TA1134](#)**



- Outside dimensions: 85 x 32 mm
- Inside dimensions: 61,5 x 27 mm
- Material: plastic

Used on Toucan 910

**REF [151TA1136](#)**

## MAST ROLLER ACCESSORY

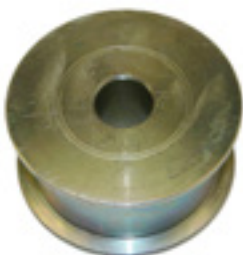


- Total length: 111,5 mm
- Diameter roller: 80,6 mm
- Thread: M36 x 4 mm

Used on Toucan 800, 800A, 910, 1100, 1100C

**REF [151TA1239](#)**

## MAST ROLLERS UPRIGHT



- Outer diameter: 113 mm
- Inner diameter: 28 mm
- Width outer ring: 55,5 mm

Used on Toucan 1100, 1100C

**REF [165TA3928](#)**



- Outer diameter: 114,5 mm
- Inner diameter: 50,5 mm
- Width outer ring: 47,5 mm

**REF [140TA3087](#)**



## RUBBER MOUNT



- Diameter: 16,5 mm
- Length: 19 mm
- Overall length: 64 mm

REF [165TA3929](#)

## REDUCTOR



- Gear ratio: 40i
- Mounting position: B3
- Diameter input flange: 120 mm
- Diameter output flange: 210 mm
- Length: 235 mm

Used on Toucan 1100

REF [165TA3931](#)

## STEERING KNUCKLES



1



2

- Steering axle with hub, bearing and bolts
- 4 wheel bolts M16 x 1,5 mm
- Outside diameter hub: 170 mm
- King pin diameter: 40 mm
- Steering connection diameter: 20 mm

Used on Toucan 910

1. REF [151TA1206](#) – RH
2. REF [151TA1205](#) – LH

## PULLEY MOUNT



- Number of holes: 6
- Material: metal

Used on Toucan 910

REF [165TA3930](#)

## TIE ROD



- Length: 750 mm
- Diameter: 14 mm

Used on Toucan 800, 800A

REF [150TA9932](#)



## STEERING AXLE ROD ENDS



- Type: tie rod end inner thread 1 bolt
- Thread type: 1 1/8" UNF
- RH/LH: RH
- Smallest diameter cone: 27,5 mm

Used on AMZ68XT, AMZ106XT, MZ72DXTU

REF [165TA3932](#)



- Type: tie rod end outer thread
- Thread type: 1 1/4" UNF
- RH/LH: LH
- Smallest diameter cone: 27,5 mm

Used on AMZ68XT, AMZ106XT, MZ72DXTU, T86J

REF [165TA3936](#)



- Type: tie rod end outer thread
- Thread type: 1 1/4" UNF
- RH/LH: RH
- Smallest diameter cone: 27,4 mm

Used on AMZ68XT, MZ72DXTU, T86J

REF [165TA3933](#)



- Type: tie rod end outer thread
- Thread type: 1 1/4" UNF
- RH/LH: RH
- Smallest diameter cone: 27,5 mm

Used on AMZ66

REF [165TA3937](#)



- Type: tie rod end outer thread
- Thread type: 1 1/4" UNF
- RH/LH: RH
- Smallest diameter cone: 27,5 mm

Used on AMZ106XT, AMZ68XT, MZ72DXTU, T86J

REF [165TA3934](#)

## HOSE REEL SHEAVE



- Outer diameter roller: 95,2 mm
- Inner diameter ring: 34 mm
- Width roller: 35,6 mm

Used on Toucan 910

REF [165TA3935](#)





WEAR PADS				
	Length mm	Material	Used on	REF
	101	Bronze	AMZ50XT	<a href="#">151TA1011</a>
	152	Bronze	AMZ66	<a href="#">151TA1012</a>
	102	Plastic		<a href="#">151TA1009</a>
	91,8	Plastic	AMZ68XT, AMZ106XT, AMZ66	<a href="#">150TA9999</a>
	153	Plastic	AMZ68XT, MZ72DXTU	<a href="#">150TA9997</a>
	230	Plastic		<a href="#">151TA1000</a>
	263	Plastic		<a href="#">150TA9989</a>



## DOOR HANDLES



- Length: 88 mm
- Grip range: 25–44 mm
- Knob operation

Used on Toucan 800, 800A, 910

**REF [164TA7293](#)**



- Length: 97 mm
- Width: 29 mm

Used on AMZ68XT, A45J, MZ72DXTU

**REF [165TA3939](#)**

## ENGINE COVERS



- Length: 1740 mm
- Width: 510 mm
- Height: 585 mm

Used on Toucan 910

**REF [165TA3938](#)** – RH

**REF [150TA9939](#)** – LH



## PROTECTIVE COVERS



- Length: 1200 mm
- Width: 490 mm
- Height: 435 mm

Used on Toucan 1100, 1100C

**REF [165TA3940](#)**



- Length: 1365 mm
- Width: 490 mm
- Height: 490 mm

Used on Toucan 1100, 1100C

**REF [150TA9937](#)**



- Length: 220 mm
- Width: 153 mm
- Height: 21,5 mm

**REF [165TA3941](#)**



- Length: 224 mm
- Width: 153 mm
- Height: 21,5 mm

**REF [165TA3943](#)**



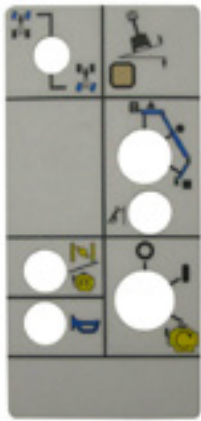
- Length: 393 mm
- Width: 246 mm

Used on Toucan 910

**REF [165TA3942](#)**



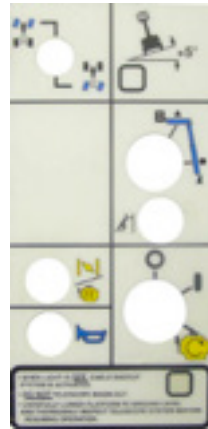
## DECALS



- Length: 114 mm
- Height: 238 mm

Used on AMZ68XT, A45J

**REF [151TA1180](#)**



- Length: 115 mm
- Height: 237 mm

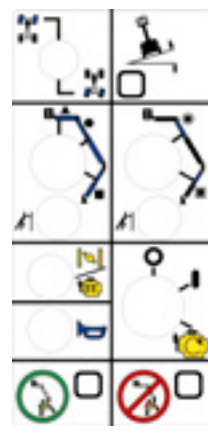
Used on MZ72DXTU

**REF [138TA2366](#)**



- Length: 115 mm
- Height: 238 mm

**REF [138TA3172](#)**



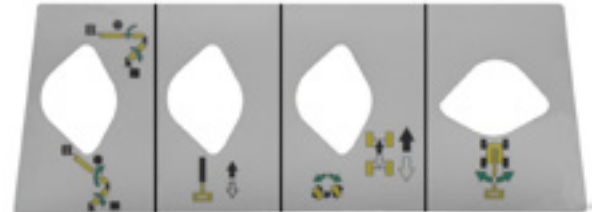
- Length: 117 mm
- Height: 238 mm

**REF [151TA1183](#)**



- Length: 366 mm
- Height: 136 mm

**REF [151TA1184](#)**



- Length: 367 mm
- Height: 135 mm

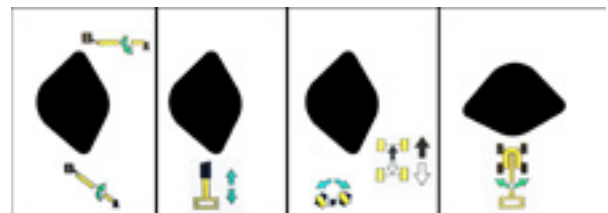
**REF [138TA1862](#)**



- Length: 367 mm
- Height: 136,5 mm

Used on MZ72DXTU

**REF [151TA1174](#)**

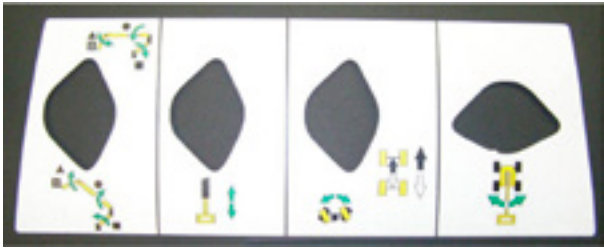


- Length: 368 mm
- Height: 132 mm

**REF [151TA1181](#)**



## DECALS



- Length: 370 mm
- Height: 136 mm

Used on AMZ68XT, A45J

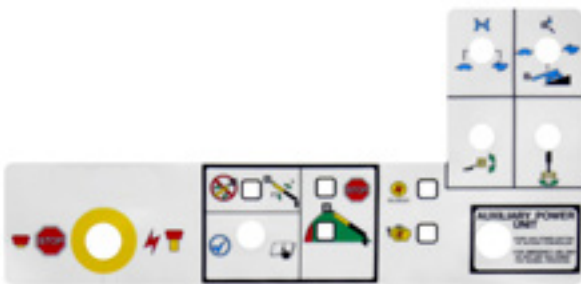
REF [151TA1172](#)



- Length: 498 mm
- Height: 238 mm

Used on AMZ68XT, A45J

REF [123TA5046](#)



- Length: 500 mm
- Height: 238 mm

REF [162TA8802](#)



- Length: 56 mm
- Height: 147 mm

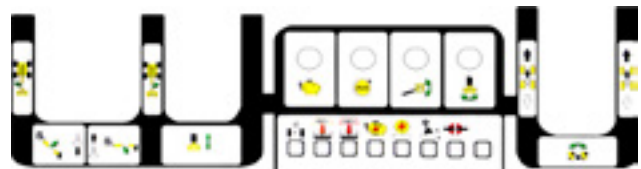
Used on Toucan 800, 800A, 910

REF [151TA1170](#)



- Length: 576 mm
- Height: 90 mm

REF [151TA1179](#)



- Length: 588 mm
- Height: 160 mm

REF [151TA1182](#)



- Length: 590 mm
- Height: 145 mm

REF [151TA1177](#)



- Length: 685 mm
- Height: 75 mm

Used on AMZ39NE/AMZ39NEU, AMZ739NE, A45J

REF [138TA2963](#)



## LOAD WHEEL



- Diameter wheel: 125 mm
- Width wheel: 50 mm
- Diameter shaft: 20 mm
- Material: rubber

**REF [151TA2896](#)**

## SOLID TYRE



- Dimensions tyre: 400 x 8
- Non-marking

Used on SM2632E

**REF [142TA3484](#)**

**For more information, contact your sales advisor.**

## SOLID TYRE KITS



Diameter: 360 mm

Used on SM2632E

**REF [165TA3944](#)**



Diameter: 360 mm

Used on SM2632E

**REF [165TA3945](#)**



Diameter: 360 mm

Used on Toucan 910, 1100, 1100C

**REF [150TA9904](#)**



Diameter: 410 mm

Used on Toucan 800, 800A

**REF [165TA3946](#)**

**For more information, contact your sales advisor.**



## TRACTION WHEELS



- Diameter wheel: 406 mm
- Number of bolt holes: 4
- Width wheel: 126 mm
- Diameter shaft: 85 mm

Used on Toucan 910, 1100, 1100C

**REF [165TA3947](#)**



- Diameter wheel: 406 mm
- Number of bolt holes: 4
- Width wheel: 127 mm
- Diameter shaft: 28 mm

Used on Toucan 1100, 1100C

**REF [145TA9141](#)**



- Diameter wheel: 406 mm
- Number of bolt holes: 5
- Width wheel: 127 mm
- Diameter shaft: 95 mm

Used on Toucan 910

**REF [150TA9897](#)**



- Diameter wheel: 406 mm
- Number of bolt holes: 5
- Width wheel: 127 mm
- Diameter shaft: 95 mm

Used on Toucan 910

**REF [165TA3950](#)**



- Diameter wheel: 660 mm
- Number of bolt holes: 6
- Width wheel: 200 mm
- Diameter shaft: 162 mm

Used on AMZ39NE/AMZ39NEU, AMZ739NE

**REF [165TA3948](#)**

## WHEEL BOLT








- Neck diameter: 22,1 mm
- Length: 64 mm
- Thread type: 3/4" UNF
- Imperial pitch: 16 Pi
- RH/LH: RH

Used on AMZ68XT, MZ72DXTU


**REF [165TA3949](#)**





AXLES/PINS					
	Diameter mm	Total length mm	Hardened	Used on	REF
	10	87,5	No	AMZ39NE/AMZ39NEU, AMZ739NE, SM3248E, A45J	<a href="#">151TA1037</a>
	12	72	No	Toucan 1100, 1100C	<a href="#">150TA9874</a>
	25	120	No	Toucan 800, 800A, 1100, 1100C	<a href="#">165TA3951</a>
	25	252	No	Toucan 1100, 1100C	<a href="#">150TA9870</a>
	25	78	No	Toucan 800, 800A, 1100, 1100C	<a href="#">150TA9873</a>

## SPECIAL BOLT



- Thread: M8
- Length: 20 mm
- Diameter: 1,25 mm

Used on Toucan 800, 800A, 910, 1100, 1100C

**REF [151TA1021](#)**



## LOCKING PINS



- Diameter pin: 9,5 mm
- Total length: 505 mm
- Length tether: 210 mm

Used on SM2646E/SM3146E/  
SM3160E, SM3248E, SM4688XT

**REF [165TA3952](#)**



- Width across flats: 17 mm
- Thread: M16 x 1,5 mm

**REF [165TA3954](#)**

## PRESSURE SPRING



- Outer diameter: 30,8 mm
- Length: 64 mm

Used on SM2632E

**REF [165TA3953](#)**



NOTES

A series of horizontal dotted lines for taking notes.



USED ON  
**HAULOTTE**



## ELECTRONIC JOYSTICKS



Dual-axis

Used on HA16SPX, HA15X, HA16PX, HA18PX, HA18PXNT, HA16PXNT, HA26PX, HA20PX, HA32PX, HA260PX, HA12CJ, H21TX, HA16X

**REF [138TA7019](#)**



Dual-axis

Used on H21T, HA20P, HA16P, HA18P, HA26P, H16TPX, H23T, H25TP

**REF [138TA7025](#)**



Single-axis

Used on HA18PXNT, HA16PXNT

**REF [138TA7024](#)**



Single-axis

Used on HA16SPX, HA15X, HA16PX, HA18PX, HA18PXNT, HA16PXNT, HA26PX, HA20PX, HA32PX, HA260PX, H21TX, HA16X

**REF [138TA7020](#)**



Single-axis

Used on HA16SPX, HA15X,0 HA26PX, HA20PX, HA32PX, HA260PX, HA12CJ, H21TX, HA16PX, HA16X

**REF [138TA7021](#)**



Single-axis

Used on COMPACT8DX, H12SD, HA12PX, HA15D, HA20P, HA16P, HA18P, HA26P, H16TPX, H18DX, COMPACT12DX, H12SX, H15SD, COMPACT10DX, H23T, H25TP, H15SX, H18SX

**REF [127TA2400](#)**



Single-axis

Used on HA16PX, HA18PX

**REF [138TA7028](#)**



Single-axis

Used on COMPACT8, COMPACT10N, COMPACT14

**REF [138TA7017](#)**



Single-axis

Used on OPTIMUM8, COMPACT10

**REF [160TA4928](#)**



Dual-axis

**REF [145TA8760](#)**

**Depends on type and serial n°, for more info contact your sales advisor**



## ELECTRONIC JOYSTICKS



Single-axis

REF [138TA7027](#)

Depends on type and serial n°, for more info contact your sales advisor



Dual-axis

REF [138TA7018](#)

Depends on type and serial n°, for more info contact your sales advisor



Single-axis

Used on H43TPX, HA41PX-NT

REF [160TA3841](#)



Single-axis

Used on STAR 8, STAR 10

REF [127TA2372](#)



Single-axis

Used on STAR 8

REF [145TA3090](#)



Only handle

Used on H43TPX

REF [160TA3465](#)



Single-axis

Used on H960E

REF [138TA7022](#)



Dual-axis

Used on HA20P

REF [138TA7023](#)



Single-axis

Used on HA16D, HA16DX, HA16DX 4x4

REF [127TA2422](#)



Dual-axis

Used on HA12I, HA15I

REF [138TA7026](#)





## ELECTRONIC JOYSTICKS



Dual-axis  
Used on HM8P, HM10P  
**REF [127TA2399](#)**



Single-axis  
Used on HA16SPX, HA18PX,  
HA18SPX, HA46S, HA51S,  
HA51SJRT  
**REF [160TA3129](#)**



Single-axis  
Used on H43TPX, HB135JRT  
**REF [160TA3576](#)**



Dual-axis  
Used on H41/130RTJ PRO,  
HA32RTJ PRO-HA100RT,  
HA16RTJ/HA46RTJ PRO,  
HT21/61RT-HT23/67RTJ  
**REF [160TA3625](#)**

## CONTROL BOXES



Upper control box  
Used on HA16SPX  
**REF [160TA3339](#)**



Upper control box without  
overload indication  
**REF [138TA7044](#)**

**Depends on type and  
serial n°, for more info  
contact your sales advisor**



Upper control box  
**REF [138TA7045](#)**  
**Depends on type and  
serial n°, for more info  
contact your sales advisor**



Upper control box  
Used on HA20PX, HA260PX,  
HA61J, HA80J, HA80JRT  
**REF [160TA3586](#)**



Upper control box without  
overload indication  
Used on OPTIMUM-series,  
COMPACT-series  
**REF [138TA7041](#)**



Upper control box  
Used on OPTIMUM6,  
OPTIMUM8, COMPACT8,  
COMPACT10, COMPACT12  
**REF [138TA7042](#)**





## CONTROL BOXES



Upper control box  
Used on STAR-6, STAR-13  
**REF [165TA3955](#)**



Upper control box  
**REF [138TA7040](#)**

**Depends on type and serial n°, for more info contact your sales advisor**



Upper control box  
Used on H12SX(L), HS5388RT(XL)  
**REF [138TA7043](#)**



Upper control box  
Used on COMPACT12DX  
**REF [160TA3605](#)**

## ELECTRICITY CLOSETS AND BOXES



- Length: 327 mm
- Width: 235 mm
- Height: 134 mm

Used on COMPACT12, COMPACT8, COMPACT8W, COMPACT10, OPTIMUM8, COMPACT10N, OPTIMUM6, COMPACT10RTE, COMPACT12EN 280  
**REF [160TA4015](#)**



- Length: 410 mm
- Width: 210 mm

Used on HA16P, HA18P  
**REF [160TA3348](#)**



- Length: 110 mm
- Width: 180 mm
- Height: 255 mm

Used on HA12IP, HA15IP, HA33JE  
**REF [160TA3530](#)**



- Length: 401 mm
- Width: 200 mm
- Height: 111 mm

Used on HA16PX, HA18PX, HA46J, HA51J, HA16SPX, HA18SPX, HA46S, HA51S, HA46JRT, HA51JRT  
**REF [160TA3433](#)**



## MOTOR CONTROLLERS



- Variable speed unit
- Dimensions: 146 x 146 x 100 mm

Used on HA12IP, HA33JE

**REF [138TA7055](#)**



- Variable speed unit
- Dimensions: 152 x 152 x 63 mm

Used on LPE/LPMSTAR6P, STAR6

**REF [138TA7056](#)**



- Variable speed unit
- Dimensions: 140 x 140 x 100 mm

Used on HA12IP, HA33JE, HA15IP

**REF [138TA7059](#)**



- Variable speed unit
- Dimensions: 145 x 145 x 105 mm

Used on HA12IP

**REF [160TA2748](#)**



- Variable speed unit
- Dimensions: 140 x 142 x 100 mm

Used on HA12IP

**REF [160TA3918](#)**



- Variable speed unit
- Dimensions: 245 x 128 mm

Used on HA12CJ(+)/32CJ(+)/33CJ(+)

**REF [160TA1627](#)**



- Variable speed unit
- Dimensions: 257 x 140 x 63 mm

Used on HM10P, HM8

**REF [138TA7063](#)**



- Variable speed unit
- Dimensions: 247 x 127 x 110 mm

Used on COMPACT12EN 280, COMPACT8W, COMPACT2247E, COMPACT10RTE, COMPACT26668L, COMPACT10N, COMPACT2632E, COMPACT10, COMPACT2747E, COMPACT12, COMPACT3347E, COMPACT8W

**REF [138TA7065](#)**



## MOTOR CONTROLLERS



- Variable speed unit
- Dimensions: 247 x 127 x 93 mm

Used on STAR10

**REF [160TA3902](#)**



- Variable speed unit
- Dimensions: 248 x 127 x 79 mm

Used on COMPACT8, COMPACT12, COMPACT10RTE, COMPACT10N, OPTIMUM6, OPTIMUM8, COMPACT8W, COMPACT12EN 280

**REF [138TA7064](#)**



- Variable speed unit
- Dimensions: 250 x 128 x 80 mm

Used on STAR9, STAR12, STAR11

**REF [138TA7054](#)**



- Variable speed unit
- Dimensions: 250 x 128 x 93 mm

Used on STAR8, STAR10

**REF [138TA7057](#)**



- Variable speed unit
- Dimensions: 250 x 130 x 94 mm

Used on STAR10

**REF [138TA7060](#)**



- Variable speed unit
- Dimensions: 80 x 130 x 247 mm

Used on STAR 8

**REF [160TA3920](#)**



- Variable speed unit
- Dimensions: 265 x 140 x 63 mm

Used on HA12I, HA15I

**REF [138TA7053](#)**

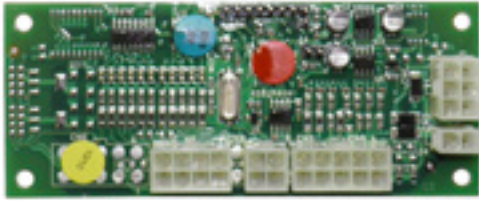


Dimensions: 290 x 140 x 62 mm

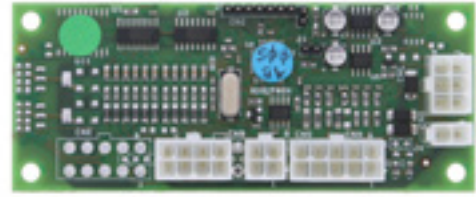
**REF [160TA2535](#)**



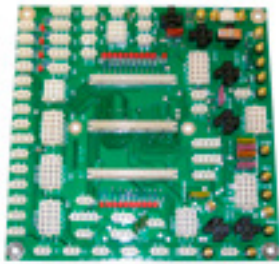
## PRINTED CIRCUIT BOARDS



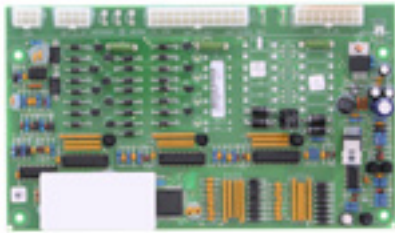
Card



Lower console serial card



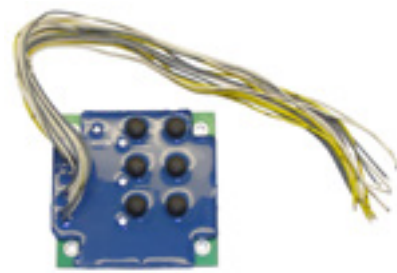
Mother board



Push button card



Push button card



Push button card



Push button card



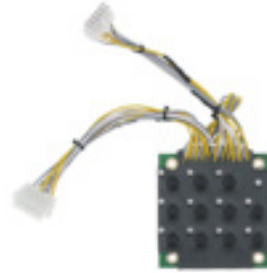
Push button card



## PRINTED CIRCUIT BOARDS



Push button card



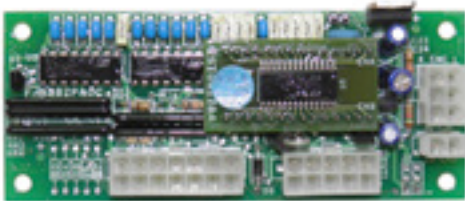
Switch



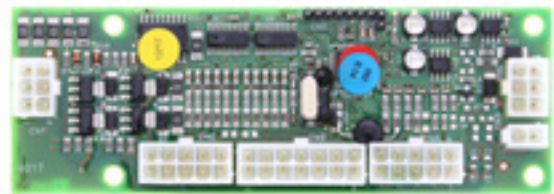
Tachy interface plate



Weighing card



Zapi serial card



Electronic module

Used on HA15IP, HA43JE, HA12IP, HA33JE, HA15IP



Frequency module

Used on H12SX(L), HS5388RT(XL)



Ramp generator

Used on HA16PX, HA18PX, HA16DX, HA20P, HA16D 4X4, HA16D

**Although these electronic cards may resemble the one fitted on your mobile elevating work platform there can be a big difference. Therefore we always ask you to supply us with part number or full vehicle details before ordering a similar unit.**

**This is just a small selection of our electronic boards. For all other types, please feel free to call us!**





DASHBOARD WARNING LIGHTS						
	Length mm	Built-in diameter mm	Outer diameter mm	Colour	Used on	REF
	29,5	17	29,4	Red	SKYJACK SJ9250, SJ8831, SJ6826	<a href="#">138TA7164</a>
	57,3	16	18	Red	H12SD, H18DX, H15SD, COMPACT10N, HA20PX, COMPACT12DX	<a href="#">138TA7157</a>
	31	21,4	28,5	Red		<a href="#">138TA7165</a>
	31	21,4	28,5	Green		<a href="#">138TA7163</a>
	53,4	21,6	28,4	Red	STAR10, STAR 8	<a href="#">138TA7156</a>
	50	22	30	Red	HA12IP, HA15IP	<a href="#">138TA7159</a>
	50	22	30	Red	COMPACT10/12D/3368RT, HA16DX, HA16D, H25TP, H25TPX, H12SD(X/E), H15SD(X/E), H18SDX, COMPACT10DX	<a href="#">138TA7155</a>



DASHBOARD WARNING LIGHTS						
	Length mm	Built-in diameter mm	Outer diameter mm	Colour	Used on	REF
	54,2	21,5	28,5	Red	HA16SPX, HA12PX, HA15D, HA15X, HA16PX, HA18PX, HA18PXN, HA16PXNT, HA16P, HA18P, HA26PX, HA20PX, H16TPX, COMPACT12DX, H12SX, COMPACT8DX, COMPACT10DX, HA32PX, HA260PX, H15SX, H18SX, H43TPX, H21TX, HA16X, HA41PX-NT	<a href="#"><u>138TA7158</u></a>
	35	10	12,5	Green	COMPACT10, COMPACT8W, COMPACT8, COMPACT12	<a href="#"><u>160TA3745</u></a>
	55	22	30	Green	HA16SPX, HA15I, HA15X, HA16PX, HA18PX, HA18PXNT, HA16PXNT, HA16P, HA18P, HA26PX, HA20PX, H16TPX, HA32PX, HA260PX, H21TX, HA16X	<a href="#"><u>138TA7161</u></a>
	57	16	18	Green	H12SD, H18DX, H15SD, COMPACT8, COMPACT10, COMPACT8W, COMPACT12, COMPACT12DX, COMPACT10N, OPTIMUM8, COMPACT10RTE, OPTIMUM6, COMPACT12EN 280, COMPACT10DX	<a href="#"><u>127TA2392</u></a>
	49,6	22	30	Green	HA12I, HA15D, H21T, HA16DX, HA20P, H23T, H25TP, H960E, HA16D 4X4, HA16D	<a href="#"><u>138TA7160</u></a>
	54,5	22	28,4	Yellow	HA12PX, HA32PX, HA260PX, COMPACT10DX, H43TPX, H21TX, HA20PX, HA41PX-NT	<a href="#"><u>160TA3992</u></a>





## PUSH BUTTONS



- Diameter: 29,8 mm
- Length: 29,8 mm
- Button colour: green

REF [138TA7149](#)



- Diameter: 27,8 mm
- Length: 26,5 mm
- Button colour: black

REF [138TA7150](#)

## COMPLETE PUSH BUTTONS



- Diameter: 31 mm
- Button colour: green

Used on LPE/LAMSTAR6P,  
STAR6, STAR8(22J),  
STAR10(26J), HA15I, HA43E,  
STAR10, STAR8, STAR12

REF [138TA7146](#)



- Diameter: 22 mm
- Button colour: black

Used on HA16DX, HA20P,  
HA16D 4X4, HA16D

REF [138TA7147](#)



- Diameter: 22 mm
- Button colour: green

Used on STAR8(22J),  
STAR10(26J), STAR10, STAR8,  
STAR12, STAR11

REF [138TA7148](#)



## BUZZERS/BACK-UP ALARMS



- Voltage: 12 V
- Volume: 102 dB
- Dimensions: 101,5 x 41,3 x 69 mm

Used on HA15D/HA15DX

**REF [145TA1902](#)**

**CE/SAE approved**



- Voltage: 12–24 V
- Volume: 97 dB
- Dimensions: 101,3 x 41 x 70 mm

Used on H12SD, HA12PX, HA15I, HA15D, H21T, HA15X, HA18PXNT, HA16PXNT, HA20P, HA16P, HA18P, HA26P, H16TPX, H18DX, COMPACT12DX, H12SX, H15SD, COMPACT8DX, COMPACT10DX, H23T, H25TP, HA12I, HA12IP, HA260PX, HA15IP, HM10P, HM8, H15SX, H18SX, HA12CJ, HA16X, H43TPX, HA16PX

**REF [138TA7504](#)**

**CE/SAE approved**



- Voltage: 6–28 V
- Volume: 80 dB
- Dimensions: 42 x Ø 43 mm
- Built-in diameter: 28 mm

Used on HA12IP, HA16X

**REF [138TA7503](#)**



- Voltage: 6–30 V
- Volume: 97 dB
- Dimensions: 101,5 x 41,3 x 69,4 mm

Used on HA16SPX, HM8, HA12I, HA12PX, HA15I, HA15D, H21T, HA15X, HA16PX, HA18PX, HA20P, HA16P, HA16DX, HA18P, HA26PX, HA20PX, HA26P, H16TPX, H23T, H25TP, STAR6, HA12IP, HA32PX, HM10P, H960E, HA16D 4X4, HA16D, H21TX S

**REF [144TA6026](#)**

**CE/SAE approved**



- Voltage: 6–28 V
- Volume: 90 dB
- Dimensions: 41,6 x Ø 43 mm
- Built-in diameter: 27 mm

Used on HM8, HM10P, HA16RTJ, HA46RTJP, HA12IP, HA33JE, HA41/130RTJPRO, HA32RTJPRO-HA100RT, STAR8/22J/10/26J, HA32RTJPRO, HA100RT, STAR6, STAR13, HT21/61RT, HT23/67RTJ, HA16D, HA16DX, HA12I, HA15I

**REF [163TA8458](#)**



## HORNS



- Volume: 105 dB
- Voltage: 12 V
- Type of mounting: straight bracket
- Diameter: 90 mm

Used on HA16RTJ, HA46RTJP, HA120PX, COMPACT10-12/2668-336, HA41/130RTJPRO, HA32RTJPRO, HA100RT, HA16RTJ, HA20RTJ, HA20RTJP, HA120PX, MJW970, MJX990, PJX950

**REF [127TA2373](#)**

**E-approved**



- Volume: 105 dB
- Voltage: 24 V
- Type of mounting: straight bracket
- Diameter: 90 mm

Used on HA15IP, HA43JE, HA12JP, HA33JE, COMPACT8W/2047E/12/3, COMPACT8/10N/2032E/26, COMPACT10/2747E, STAR8/22J/10/26J, STAR6, STAR13, COMPACT10, HA16DX, HA16D, STAR10, COMPACT8, COMPACT8W, HA12I

**REF [138TA7505](#)**

**E-approved**

## CABLE GLANDS



- Length: 41 mm
- Diameter: 23,3 mm

Used on COMPACT8, COMPACT10, COMPACT14

**REF [160TA3819](#)**



- Length: 52,7 mm
- Diameter: 29,8 mm

Used on COMPACT8, COMPACT10N

**REF [138TA7205](#)**



- Length: 51,6 mm
- Diameter: 44 mm

Used on HA12PX, HA18PXNT, HA16PXNT, HA16P, HA18P, HA26PX, HA20PX, H16TPX, HA32PX, HA16SPX, HA16X

**REF [138TA7206](#)**



CABLE LOOMS						
	Cable type mm <sup>2</sup>	Type of loom	Total length mm	Number of plugs	Used on	REF
	< 6	Multiple cables	3730	1	HA18PX, HA51JSRT, H14TX, H16TPX, HB40-4, HA16/18PX, HA46/51J, HA20/260PX, HA61/80J, H21TX/23/25TPX/HB62/68, HA21TX/23/25TPX/HB62/62	<a href="#">127TA2436</a>
	< 6	Multiple cables	7100	1	OPTIMUM6	<a href="#">160TA2339</a>
	< 6	Multiple cables	8030	1	OPTIMUM8	<a href="#">160TA3911</a>
	< 6	Multiple cables	8830	1	COMPACT8	<a href="#">160TA3967</a>
	< 6	Multiple cables	13 430	1	COMPACT12, COMPACT12EN 280	<a href="#">138TA7196</a>
	< 6	Multiple cables	600	2	COMPACT8W/2047E/12/3, COMPACT8/10N2032E/26, COMPACT10/2747E, COMPACT10, COMPACT14, COMPACT3	<a href="#">160TA3881</a>
	< 6	Multiple cables	20 550	2	HA16P	<a href="#">160TA1240</a>



CABLE LOOMS						
	Cable type mm <sup>2</sup>	Type of loom	Total length mm	Number of plugs	Used on	REF
	< 6	Multiple cables	32 000	3	HA260PX	<a href="#">138TA7195</a>
	< 6	Multiple cables	20 300	4	HA16PX, HA18PX, HA16PXNT, HA16SPX	<a href="#">160TA3351</a>
	< 6	Multiple cables	20 870	4	HA18PX, HA16/18PX, HA51SJRT, HA51SJRT, HA46/51J, HA46/51S, HA18PXN, HA51JRT, HA16PX/HA46JRT	<a href="#">160TA1808</a>
	< 6	Multiple cables	5800	5	STAR 8	<a href="#">160TA1531</a>
	< 6	Multiple cables	32 000	5	HA260PX	<a href="#">138TA7194</a>
	< 6	Multiple cables	5600	6	STAR10	<a href="#">160TA3342</a>
	< 6	Multiple cables	19 500	7	HA16PX, HA18PX, HA16SPX, HA18SPX, HA46S, HA51S, HA46J, HA51J, HA16PXNT, HA46JRT	<a href="#">160TA3215</a>



CABLE LOOMS						
	Cable type mm <sup>2</sup>	Type of loom	Total length mm	Number of plugs	Used on	REF
	< 6	Multiple cables	20 800	7	HA18PXNT, HA16PX, HA16SPX	<a href="#">160TA1755</a>
	< 6	Multiple cables	20 360	11	H12S, H15S, H18S	<a href="#">138TA7191</a>
	< 6	Multiple cables	24 300	11	H12S, H15S, H18S	<a href="#">138TA7197</a>
	< 6	Multiple cables	27 500	11	H12S, H15S, H18S	<a href="#">160TA3207</a>
	< 6	Multiple cables	2370	29	OPTIMUM6, OPTIMUM8	<a href="#">160TA3324</a>

## ELECTRIC WIRING



- Number of wires: 30
- Colour external wire: black
- Wire section: 1 mm<sup>2</sup>

Used on HA12I, H25TP, H25TPX, H23(X/P/PX), HA26PX, HA80JRT, HA26P, HA61JRT, H21T, H21TX

REF [138TA7200](#)



## CONVERTERS



- Minimum voltage: 48 V
- Type of voltage: DC
- Outgoing voltage: 24 V
- Number of terminals: 4

Used on HA15IP

**REF [160TA3304](#)**



- Minimum voltage: 48 V
- Type of voltage: DC
- Outgoing voltage: 28 V
- Current: 10,7 A
- Number of terminals: 4

Used on HA12I, HA15I

**REF [160TA3851](#)**



- Minimum voltage: 48 V
- Type of voltage: DC
- Outgoing voltage: 28 V
- Current: 7,1 A
- Number of terminals: 4

Used on HA15I

**REF [160TA1821](#)**

## COMPLETE CONTACTORS




	Voltage V	Maximum current interrupted A	Maximum current uninterrupted A	Magnetic blowouts	Used on	REF
	12	100	125	Yes	H21T, HA16PX, HA18PX, HA18PXNT, HA16PXNT, HA16P, HA20P, HA26PX, HA20PX, HA26P, H16TPX, H23T, H25TP, HA32PX, HA260PX, HA12CJ, H43TPX, H21TX, HA16SPX, HA16X, HA41PX-NT	<b><a href="#">138TA7079</a></b>
	12	150	200	Yes		<b><a href="#">106TA1644</a></b>
	12	250	400	Yes	HA16P	<b><a href="#">106TA1721</a></b>





COMPLETE CONTACTORS						
	Voltage V	Maximum current interrupted A	Maximum current uninterrupted A	Magnetic blowouts	Used on	REF
	24	150	150	Yes	HA15IP, HA12IP	<a href="#">138TA7084</a>
	24	150	150	Yes		<a href="#">127TA2435</a>
	24	150	200	Yes	HA15IP, HA12IP	<a href="#">160TA3449</a>
	24	100	100	Yes	HM8, HM10P	<a href="#">127TA2441</a>
	24	100	125	Yes	HM8, HM10P	<a href="#">138TA7080</a>
	24	150	200	Yes		<a href="#">106TA1631</a>
	24	250	400	Yes	H960E	<a href="#">127TA2438</a>
	24	250	400	Yes		<a href="#">138TA7085</a>



COMPLETE CONTACTORS						
	Voltage V	Maximum current interrupted A	Maximum current uninterrupted A	Magnetic blowouts	Used on	REF
	48	150	150	Yes		<a href="#">138TA7081</a>
	48	150	150	Yes		<a href="#">138TA7083</a>
	48	150	200	Yes		<a href="#">138TA7082</a>

## ELECTRIC BRAKES



- Voltage: 24 V
- Power: 30 W
- Outer diameter: 130 mm

REF [136TA2693](#)



- Voltage: 24 V
- Power: 40 W
- Outer diameter: 147 mm

REF [139TA4914](#)



- Voltage: 24 V
- Power: 45 W
- Outer diameter: 102 mm

REF [160TA3894](#)



- Voltage: 24 V
- Power: 45 W
- Outer diameter: 153 mm

REF [160TA3049](#)



## CONNECTOR HOUSINGS



- Diameter: 34 mm
- Height: 27 mm
- Number of connecting holes: 16 female

Used on H12SX

**REF [160TA3419](#)**



- Diameter: 26,6 mm
- Height: 27 mm
- Number of connecting holes: 9 female

Used on HA15IP, HA43JE, HA12IP/HA33JE, COMPACT 8W/2047E/12/3347E

**REF [165TA3956](#)**



- Diameter: 44,3 mm
- Height: 31,5 mm
- Number of connecting holes: 16 female

Used on STAR12, COMPACT8, STAR11, HA12IP, OPTIMUM8, COMPACT10N, OPTIMUM6, COMPACT12, COMPACT10RTE, COMPACT10, COMPACT8W, COMPACT12EN 280

**REF [138TA7239](#)**



- Diameter: 21 mm
- Height: 34 mm
- Width: 32,5 mm
- Number of connecting holes: 9 female

Used on HA15IP, HA43JE, HA12IP, HA33JE, COMPACT8, COMPACT10, COMPACT14, COMPACT3, H12SX(L), HS5388RT(XL)

**REF [160TA3633](#)**



- Length: 39 mm
- Width: 39 mm
- Height: 37 mm
- Number of connecting holes: 16 female

Used on COMPACT8, COMPACT8W, COMPACT10, OPTIMUM8, STAR12, COMPACT12, OPTIMUM6, STAR11, STAR8, HA12IP, STAR10, COMPACT10N, COMPACT10RTE, COMPACT12EN 280

**REF [138TA7240](#)**



- Length: 49 mm
- Width: 49 mm
- Number of connecting holes: 37 female

Used on HA16SPX, STAR10, HA12PX, HA15X, HA16PX, HA18PX, HA18PXNT, HA16PXNT, HA16P, HA18P, HA26PX, HA20PX, H16TPX, COMPACT12DX, H12SX, COMPACT8DX, COMPACT10DX, HA32PX, HA12IP, H15SX, H18SX, STAR 8, H21TX, HA16X

**REF [138TA7241](#)**



- Width: 55 mm
- Height: 39 mm
- Number of connecting holes: 37 female

Used on HA16PX, HA12PX, HA15X, HA18PXNT, HA18PX, HA16PXNT, HA16P, HA18P, HA26PX, HA20PX, H16TPX, HA32PX, HA16SPX, HA16X, H12SX

**REF [138TA7242](#)**




RELAYS						
	Type of relay	Voltage V	Type of voltage	Current A	Used on	REF
	General and power relay	12	DC	40	HA12DX	<a href="#">138TA7091</a>
	Mini-relay	12	DC	70	HA120PX, HA41/130RTJPRO, HA32RTJPRO, HA100RT, HA18PX, HA51SJRT, HA43RTJPRO, HT132RT, HA16/18SPX, HA46/51S, H14TX-16TPX, HB40-4, HA16/18PX, HA46/51J, HA20/260PX, HA61/80J, HA120PX, H12SX, HS5388RT, COMPACT12, COMPACT8, COMPACT20, COMPACT10	<a href="#">138TA7088</a>
	Mini-relay	12	DC	40/30	COMPACT10, COMPACT12, HA18PX, HA51SRT, STAR2/22J/10/26J, STAR6, STAR13, HA16/18SPX, HA46/51S, H14TX-16TPX, HB40-4, HA16/18PX, HA46/51J, HA20/26PX, HA61/80J, HA12SX, HS5388RT, STAR8, H12SD, H15SD, H18SDX, HA32PX, HA18PXNT, HA51JRT, HA16PXNT, HA46JRT, HA15D, HA15DX, HA15D	<a href="#">127TA2364</a>
	Mini-relay	12	DC	40/30	HA16RTJ, HA46RTJP, HA12CJ(+)/32C(+)/33CJ, COMPACT10, HA41/130RTJPRO, HA20RTJ, HA20RTJP, HT43RTJPRO, HA20RTJPRO, HT43RTJPRO, HT132RT, HT21/61RT, HT23/67RTJ, COMPACT12, H12SD, HA16P	<a href="#">138TA7089</a>
	Mini-relay	24	DC	20	HA15DX	<a href="#">138TA7092</a>
	Mini-relay	24	DC	20/10	COMPACT8, COMPACT10, HA32RTJPRO, HA100RT, STAR8, HA20RTJ, HA20RTJPRO, HT43RTJPRO, HT132RT, HT21/61RT, HT23/67RTJ, COMPACT14, HA16DX, HA16D, COMPACT12, COMPACT14, HA20P, HA20PX, OPTIMUM8, OPTIMUM6	<a href="#">138TA7090</a>



RELAYS						
	Type of relay	Voltage V	Type of voltage	Current A	Used on	REF
	Mini-relay	24	DC	20/15	HM8, HM10P, HA16D, HA16DX, HM10P, HA20P, HA20PX, 55XA, HLA19PX	<a href="#"><u>160TA3795</u></a>
	Mini-relay	24	DC	40	HA15I, HM10P, HM8	<a href="#"><u>160TA1543</u></a>
	Mini-relay	24	DC	40/30	HA12I, HA15I, HA43E	<a href="#"><u>138TA7087</u></a>

**TIMER RELAY**



For 24 V machines

Used on HA12, 15, 20

**REF [160TA3770](#)**



ELECTRIC MOTORS					
	Minimum voltage V	Revolutions/minute Rpm	Power kW	Direction of rotation	REF
	24	1500	3		<a href="#">160TA3797</a>
	24	1600	3		<a href="#">165TA3957</a>
	24	2600	3		<a href="#">160TA2451</a>
	48				<a href="#">138TA7010</a>
	48	1200	3,7		<a href="#">138TA7009</a>
	24		4,5	CCW	<a href="#">160TA3189</a>
	12		1,5		<a href="#">165TA3958</a>
	12	3000	1,3	CCW	<a href="#">165TA3959</a>



## BRUSH KITS



- Thickness: 10 mm
- Width: 24,9 mm
- Height: 23 mm
- Set of 4 brushes

Used on HA16PX, HA16SPX,  
HA16X, HA41PX-NT

**REF [138TA7012](#)**



- Thickness: 7 mm
- Width: 22 mm
- Height: 18,8 mm
- Set of 8 brushes

Used on COMPACT8,  
COMPACT14

**REF [160TA3450](#)**



- Thickness: 7,8 mm
- Width: 27,8 mm
- Height: 30,5 mm
- Set of 4 brushes

Used on TOUCAN800A, 1100

**REF [121TA2443](#)**



- Thickness: 8 mm
- Width: 28 mm
- Height: 31 mm
- Set of 8 brushes

Used on STAR 8

**REF [160TA3640](#)**



- Thickness: 9 mm
- Width: 19,8 mm
- Height: 22 mm
- Set of 4 brushes

Used on LPE/STAR6P

**REF [121TA2486](#)**





## GEARS



- Outer diameter: 101,3 mm
- Total height: 312 mm
- Number of teeth: 14

Used on HA20P, H21TX, HA20PX

**REF [152TA2077](#)**



- Outer diameter: 155 mm
- Total height: 25 mm
- Number of teeth: 45

Used on HA16PXNT, HA18PXNT, HA12IP, HA15IP, H21TX, HA16PX, HA16X

**REF [138TA7316](#)**



- Outer diameter: 229 mm
- Total height: 164,4 mm
- Number of teeth: 30

Used on H25 TPX

**REF [160TA3218](#)**



- Outer diameter: 83 mm
- Total height: 206 mm
- Number of teeth: 17

Used on STAR9, STAR12, STAR11

**REF [138TA7312](#)**



## CAM SWITCHES



- Number of positions: 2 fixed positions
- Type of contact: NO contact

Used on H 12/15 I, HA 16 D(X), H960 E

**REF [127TA2434](#)**



- Number of positions: 4 positions
- Type of contact: NC contact

Used on HM10P, HM8

**REF [138TA7125](#)**



## CONTACT BLOCKS



- Voltage: 240 V
- Current: 3 A
- Number of NO contacts: 0
- Number of NC contacts: 1

Used on STAR10, STAR12, STAR6, HA15D, COMPACT8, STAR11, STAR8, HA12IP, COMPACT10N, COMPACT12, COMPACT10RTE, COMPACT10, OPTIMUM6, OPTIMUM8, COMPACT8W, COMPACT12EN 280, HA41PX-NT, STAR 6

**REF [138TA7181](#)**



- Voltage: 400 V
- Current: 10 A
- Number of NO contacts: 2
- Number of NC contacts: 0

Used on H12SD, H21T, HA20P, HA26P, H18DX, H15SD

**REF [138TA7177](#)**



- Voltage: 400 V
- Current: 10 A
- Number of NO contacts: 1
- Number of NC contacts: 0

**REF [138TA7178](#)**



- Voltage: 400 V
- Current: 10 A
- Number of NO contacts: 2
- Number of NC contacts: 0

Used on HA120PX, HA12CJ(+)/32CJ(+)/33CJ(+), COMPACT 10-12/2668-3368RTE, COMPACT 10/2747E

**REF [127TA2390](#)**



- Voltage: 400 V
- Current: 10 A
- Number of NO contacts: 1
- Number of NC contacts: 0

Used on HA32PX, H43TPX

**REF [138TA7183](#)**



- Voltage: 600 V
- Current: 10 A
- Number of NO contacts: 0
- Number of NC contacts: 1

Used on HA15I, HA15D, HA15X, HA16PX, HA18PX, HA18PXNT, HA16PXNT, HA12I, HM10P, HM8

**REF [138TA7179](#)**



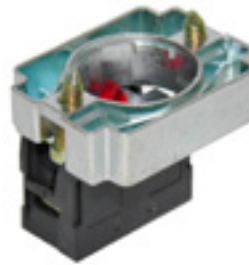
## CONTACT BLOCKS



- Voltage: 600 V
- Current: 10 A
- Number of NO contacts: 0
- Number of NC contacts: 2

Used on HA16SPX, COMPACT12, COMPACT8, COMPACT8W, COMPACT10, HA12PX, HA15I, HA15X, HA16PX, HA18PX, HA18PXNT, HA16PXNT, HA16P, HA18P, HA26PX, HA20PX, H16TPX, COMPACT12DX, H12SX, COMPACT8DX, COMPACT10DX, HA32PX S

**REF [138TA7182](#)**



- Voltage: 660 V
- Current: 10 A
- Number of NO contacts: 0
- Number of NC contacts: 1

Used on HM8, HA15D, HA12CJ, H12SX

**REF [106TA2535](#)**



- Voltage: 600 V
- Current: 10 A
- Number of NO contacts: 1
- Number of NC contacts: 1

Used on HA15D, HA16P, HA18P

**REF [146TA7841](#)**

## CONTACT BLOCK HOLDER



- Length: 40 mm
- Width: 30 mm
- Height: 10,8 mm

**REF [131TA9000](#)**



## EMERGENCY STOP SWITCHES - HIGH CAPACITY



- Type: SD150A
- Maximum voltage: 24 V
- Current: 125 A
- Magnetic blowouts: no
- Dust cover: no

Used on COMPACT10N, COMPACT10, STAR10, COMPACT12, OPTIMUM8, COMPACT8W, COMPACT8, STAR6, STAR8, HA12IP, HA15IP, COMPACT10RTE, OPTIMUM6, COMPACT12EN 280, STAR 8, STAR 6, LPE/STAR6P

**REF [127TA2380](#)**



- Type: SD150A-54
- Maximum voltage: 24 V
- Current: 150 A
- Magnetic blowouts: no
- Dust cover: no

Used on HA12IP, HA66JE, COMPACT8, COMPACT10N

**REF [164TA1084](#)**

## MUSHROOMHEAD PUSH BUTTONS



- Built-in diameter: 21,5 mm
- Diameter knob: 40 mm

**REF [138TA7140](#)**



- Built-in diameter: 22 mm
- Diameter knob: 40 mm

Used on SL14, SL26, SL30N

**REF [138TA7139](#)**



- Built-in diameter: 20 mm
- Diameter knob: 40 mm

Used on HM8, HA15D, COMPACT10N, STAR10, COMPACT8, COMPACT12, COMPACT10RTE, COMPACT10, OPTIMUM6, OPTIMUM8, COMPACT8W, COMPACT12EN 280

**REF [138TA7144](#)**



- Built-in diameter: 28,3 mm
- Diameter knob: 40 mm

Used on HA16RTJ, HA46RTJP, HA120PX, COMPACT10, HA41/130RTJPRO, HA32RTJPRO, HA100RT, HA18PX, HA51SJRT, HTL3010/3510/4010, HT21/61RT, HT23/67RTJ, H14TX-16TPX, HB40-4, HA16/18PX, HA46/51J, COMPACT10, HA20/260PX, HA61/80J, HA120PX, COMPACT12, COMPACT8, COMPACT12, OPTIMUM8, OPTIMUM6, STAR6, STAR10

**REF [138TA7142](#)**



## EMERGENCY SWITCHES



- Built-in diameter: 22 mm
- Current: 10 A
- Voltage: 600 VAC
- NC contact

Used on HA12IP, HA15IP

**REF [138TA7138](#)**



- Built-in diameter: 22 mm
- Current: 10 A
- Voltage: 400 V
- NO contact

**REF [138TA7141](#)**



- Built-in diameter: 22 mm
- Current: 3 A
- Voltage: 240 V
- NC contact

Used on HA12I

**REF [160TA4041](#)**



- Built-in diameter: 22 mm
- Current: 3 A
- Voltage: 240 V
- NC contact

Used on HM8, H12SD, HA15D, H21T, HA26P, H18DX, H15SD, H23T, H25TP, HA12I, COMPACT8W, COMPACT10, COMPACT12, COMPACT8, HA20P, HM10P, OPTIMUM6, OPTIMUM8

**REF [127TA2411](#)**



- Built-in diameter: 22 mm
- Current: 3 A
- Voltage: 240 V
- NC contact

Used on HA12I, HA16DX, HA20P, H960E, HA16D 4X4, HA16D

**REF [138TA7137](#)**



- Built-in diameter: 22 mm
- Current: 4,5 A
- Voltage: 110 V
- NC contact

Used on HA12I

**REF [138TA7143](#)**



- Built-in diameter: 40 mm
- Current: 10 A
- Voltage: 400 V
- NC contact

Used on HTB180, HA16PX

**REF [160TA3682](#)**



## FOOT SWITCHES



- Number of NC contacts: 1
- Number of NO contacts: 1

Used on HA16SPX, HA15X, HA16PX, HA18PX, HA16PXNT, HA18PXNT, HA16P, HA18P, HA26PX, HA20PX, H16TPX, HA12IP, HA32PX, HA260PX, HA12CJ, H21TX, HA16X, H43TPX, HA41PX-NT

**REF [138TA7103](#)**

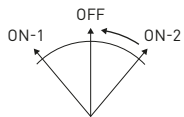


- Number of NC contacts: 0
- Number of NO contacts: 1

Used on COMPACT8, HA15I, HA43E, HA16DX, HA16D, HA12I, HA15I

**REF [138TA7102](#)**

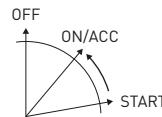
## IGNITION SWITCHES



- Number of connections: 6
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 85 mm
- Key: yes

Used on HA15IP, HA12IP

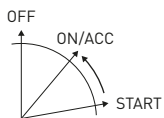
**REF [138TA7116](#)**



- Number of connections: 8
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 86 mm
- Key: yes

Used on HA20P, HA26P, COMPACT10DX

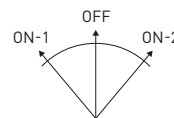
**REF [160TA4045](#)**



- Number of connections: 8
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 86,5 mm
- Key: yes

Used on COMPACT10, COMPACT14

**REF [160TA4098](#)**



- Number of connections: 8
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 86 mm
- Key: yes

Used on HA120PX, OPTIMUM8

**REF [160TA4066](#)**





## OPERATING HEADS



- Number of positions: 2
- Built-in diameter: 21 mm
- Key number: 455

**REF [138TA7112](#)** – Without key  
**REF [163TA8493](#)** – Key



- Number of positions: 2
- Built-in diameter: 22 mm
- Key number: 455

**REF [165TA3960](#)** – Without key  
**REF [163TA8493](#)** – Key



- Number of positions: 3
- Built-in diameter: 22 mm
- Key number: 4241A

**REF [138TA7118](#)** – Without key  
**REF [129TA4086](#)** – Key



- Number of positions: 3
- Built-in diameter: 22 mm
- Key number: 4241A

Used on COMPACT10,  
 COMPACT8, COMPACT12,  
 OPTIMUM8, COMPACT8W,  
 COMPACT12DX, H12SX,  
 COMPACT8DX, COMPACT10DX,  
 HA12IP, COMPACT10N, H15SX,  
 H18SX, COMPACT10RTE,  
 OPTIMUM6, COMPACT12EN 280

**REF [127TA2391](#)** – Without key  
**REF [129TA4086](#)** – Key



- Number of positions: 3
- Built-in diameter: 22 mm
- Key number: 4241A

Used on COMPACT10,  
 COMPACT12, COMPACT8,  
 COMPACT8W

**REF [138TA7114](#)** – Without key  
**REF [129TA4086](#)** – Key



- Number of positions: 3
- Built-in diameter: 22 mm
- Key number: 4241A

Used on STAR10, OPTIMUM8,  
 STAR8, OPTIMUM6, STAR 8,  
 H21TX, HA20PX

**REF [138TA7109](#)** – Without key  
**REF [129TA4086](#)** – Key



- Number of positions: 3
- Built-in diameter: 22 mm
- Key number: 455

**REF [138TA7110](#)** – Without key  
**REF [129TA4166](#)** – Key



- Number of positions: 3
- Built-in diameter: 22 mm
- Key number: 455

**REF [138TA7111](#)** – Without key  
**REF [129TA4166](#)** – Key



## OPERATING HEADS



- Number of positions: 3
- Built-in diameter: 22 mm
- Key number: 455

**REF [138TA7120](#)** – Without key  
**REF [129TA4166](#)** – Key



- Number of positions: 3
- Built-in diameter: 22 mm
- Key number: 455

**REF [138TA7122](#)** – Without key  
**REF [129TA4166](#)** – Key



- Number of positions: 3
- Built-in diameter: 22 mm
- Key number: 455

**REF [138TA7124](#)** – Without key  
**REF [129TA4166](#)** – Key



- Number of positions: 3
- Built-in diameter: 22 mm
- Key number: 455

**REF [138TA7113](#)** – Without key  
**REF [163TA8493](#)** – Key



- Number of positions: 3
- Built-in diameter: 22 mm
- Key number: 455

**REF [164TA1092](#)** – Without key  
**REF [163TA8493](#)** – Key



- Number of positions: 3
- Built-in diameter: 22 mm
- Key number: 455

Used on HA120PX,  
 GA12CJ(+)/32CJ(+)/33CJ,  
 HA12IP, HA33JE,  
 COMPACT10/12DX/3368RT,  
 HA18PX, HA51SJRT,  
 STAR8/22J/10/26J, STAR6,  
 STAR13, HA20/26PX, GA61/80J,  
 STAR10

**REF [138TA7121](#)** – Without key  
**REF [163TA8493](#)** – Key



- Number of positions: 3
- Built-in diameter: 22 mm
- Key number: 455

**REF [138TA7123](#)** – Without key  
**REF [163TA8493](#)** – Key



## KEYS FOR IGNITION/DOOR LOCK



- Key number: 14607
- Number of keys: 1

Used on HTL3210, HAL3614/3617/4041/401, HTL3010/3510/4010, HTL3210, HTL4010, HTL3510, HTL3510, HTL32

**REF [152TA8028](#)**



- Key number: 3095
- Number of keys: 1

Used on AB46RT

**REF [122TA8983](#)**



- Key number: 4241A
- Number of keys: 1

Used on HA15IP, HA43JE, HA12IP, HA33JE, COMPACT10, COMPACT8, HA41/130RTJPRO, HA32RTJPRO, HA100RT, STAR6, STAR13, H14TX16TPX, HB404, HA20/260PX, HA61/80J, HA120PX, HA41/130RTJPRO, HA6X, HA46RT,

**REF [129TA4085](#)**



- Key number: 4241A
- Number of keys: 1

Used on HA260PX, HA16X, HA16SPX, HA20PX

**REF [129TA4086](#)**



- Key number: 455
- Number of keys: 1

Used on SJ9250, SJ8831

**REF [129TA4166](#)**



- Key number: CH751
- Number of keys: 1

**REF [152TA1738](#)**



LIMIT SWITCHES					
	Number of NO contacts	Number of NC contacts	Current A	Used on	REF
	0	2	2		<a href="#">147TA5544</a>
	0	2	3	HA12I, HA16DX, HA16D 4X4, HA16D, P90	<a href="#">138TA7099</a>
	1	1	1,5	HA12I, HA16DX, HA20P, H960E, HA16D 4X4, HA16D	<a href="#">146TA5939</a>
	1	1	2	H43TPX, HB135JRT, HA41PX/130JRT-NT, HA32PX, HT43RTJPRO, HA100RT, HTL3614-3617-4014-401	<a href="#">163TA8606</a>
	1	1	2	HM8, HA12I, HA15D, HM10P, H21TX, HA20PX, H12SX, HA41PX-NT	<a href="#">138TA7097</a>
	1	1	3	HA16SPX, STAR10, COMPACT8W, COMPACT8, COMPACT10, COMPACT12, COMPACT10N, HA260PX, OPTIMUM8, HA12PX, HA15I, HA15D, H21T, HA16PX, HA15X, HA18PX, HA16PXNT, HA18PXNT, HA20P, HA16P, HA18P, HA26PX, HA20PX, HA26P, H16TPX, H18DX	<a href="#">127TA2381</a>
	1	1	3	H12SD, H18DX, COMPACT12DX, H12SX, H15SD, COMPACT8DX, COMPACT10DX, H15SX, H18SX	<a href="#">138TA7098</a>
	1	1	2	HA15IP, HA43JE, HA120PX, HA12IP, HA33JE, HA18PX, HA51SJRT, HA16/18SPX, HA46/51S, HA120PX	<a href="#">165TA3961</a>



## ROTARY SWITCHES



- Number of positions: 2
- Built-in diameter: 21,7 mm

Used on SJ9250, SJ8831

**REF [138TA7168](#)**



- Number of positions: 2
- Built-in diameter: 22 mm

Used on LE023GT, LE025GT, 260MRT, TOUCAN DUO

**REF [138TA7171](#)**



- Number of positions: 3
- Built-in diameter: 21 mm

Used on HA18PXNT, HA16PXNT, HA26PX, HA20PX, HA260PX, COMPACT8, COMPACT12, COMPACT10RTE, COMPACT10N, COMPACT10, OPTIMUM6, OPTIMUM8, COMPACT8W, COMPACT12EN 280

**REF [151TA2359](#)**



- Number of positions: 3
- Built-in diameter: 22 mm

Used on STAR10, STAR12, STAR11, STAR6, STAR8, STAR 8, STAR 6, LPE/STAR6P

**REF [138TA7174](#)**



- Number of positions: 3
- Built-in diameter: 22 mm

Used on HA15I, HA43E, HA12I

**REF [165TA3962](#)**



## COMPLETE ROTARY SWITCHES



- Number of positions: 2
- Voltage: 240 V
- Current: 10 A
- Built-in diameter: 21,7 mm

Used on HA15I, HA43E, HA16DX, HA16D, HA12I, HA15I, HA20P, HA20PX, HA16D 4X4

**REF [165TA3963](#)**



- Number of positions: 2
- Voltage: 400 V
- Current: 10 A
- Built-in diameter: 21,7 mm

Used on HA16DX, HA16D 4X4, HA16D

**REF [138TA7167](#)**



- Number of positions: 3
- Voltage: 400 V
- Current: 10 A
- Built-in diameter: 22 mm

Used on HA16DX, HA20P, H960E, HA16D 4X4, HA16D

**REF [127TA2418](#)**

## SELECTOR SWITCH



Number of positions: 3

**REF [138TA7169](#)**



TOGGLE SWITCHES						
	Position	Number of connections	Maximum voltage V	Current A	Used on	REF
	On-off-none	2 x blade	250	6	COMPACT8, COMPACT10, COMPACT8W, COMPACT12, H12SD, HA26P, HA12PX, H21T, HA15X, HA16PX, HA18PX, HA18PXNT, HA16PXNT, HA20P, HA16P, HA18P, HA26PX, HA20PX, OPTIMUM8, H16TPX, H18DX, COMPACT12DX	<a href="#">138TA7105</a>
	On-none-(on)	6 x blade	250	6	H21T, HA15X, HA16PX, HA18PX, HA18PXNT, HA16PXNT, HA20P, HA26PX, HA20PX, H16TPX, H23T, H25TP, HA32PX, COMPACT10DX, H43TPX, H21TX	<a href="#">138TA7106</a>
	(On)-off-(on)	3 x blade	250	6	HA16SPX, HA15D, HM10P, HM8, COMPACT10, COMPACT8, COMPACT12, COMPACT8W, HA26P, H12SD, HA12PX, H21T, HA15X, HA16PX, HA18PX, HA18PXNT, HA16PXNT, HA20P, HA16P, HA18P, HA26PX, HA20PX, H16TPX, H18DX, COMPACT12DX fro	<a href="#">138TA7104</a>
	(On)-off-(on)	3 x blade	250	6	H12SD, HA18PX, HA16PX, HA18PXNT, HA16PXNT, HA20P, HA16P, HA26P, HA20PX, H16TPX, H18DX, COMPACT12DX, H15SD, HA26PX, COMPACT10DX	<a href="#">127TA2406</a>
	On-off-on	6 x blade	250	12	HA16SPX, COMPACT8W, COMPACT8, COMPACT10, COMPACT12, H12SD, H21T, HA15X, HA18PX, HA16PX, HA18PXNT, HA16PXNT, HA16P, HA18P, HA26PX, HA20PX, H16TPX, H18DX, COMPACT12DX, H15SD, H23T, H25TP, HA260PX, COMPACT10N, OPTIMUM8, COMPACT10RTE	<a href="#">127TA2398</a>
	(On)-off-(on)	6 x blade	250	20	HA15IP, HA12IP	<a href="#">146TA3723</a>
	(On)-off-(on)	6 x blade	250	6	HA120PX, HA12CJ(+)/32C(+)/33CJ, HA18PX, HA51SJRT, HA16/18SPX, HA46/51S, H14TX-16TPX, HAB40-4, HA16/18PX, HA46/51J, HA20/26PX, HA61/80J, HA120PX, HA12C(+)/32CJ(+)/33CJ, HA41PX/130JRT-NT, HA16X, HA46RT, HA46/51S	<a href="#">165TA3964</a>
	On-none-(on)	3 x blade	250	10	HA16RTJ, HA46RTJP, HA41/13RTJPRO, HA32RTJPRO, HA100RT, STAR8/22J/10/26J, HA20RTJ, HA20RTJP, HT43RTJPRO, HT132RT, STAR6, STAR3, HT21/61RT, HT23/67RTJ, STAR8/10, STAR13	<a href="#">164TA1089</a>





## RUBBER BELLOWS SWITCH



- Cap
- Dimensions: 18,2 x Ø 12,2 mm

Used on HA15D, HA15DX

**REF [138TA7107](#)**

## COMPLETE PUSH BUTTON



Button colour: black

Used on HA12CJ(+)/32CJ(+)/33CJ, HA20/260PX, HA61/80J, HA43TPX/HB135JRT, HA41PX/130JRT-NT

**REF [160TA3657](#)**

## BATTERY DISCONNECT SWITCHES



- Current: 150 A
- Quantity of poles: 1
- Auxilliary switch present: yes

Used on HA16P, HA16DX, HA20P, HA12I, H960E, HA16D 4X4, HA16D

**REF [127TA2423](#)**



- Voltage: 48 V
- Current: 150 A
- Quantity of poles: 1
- Auxilliary switch present: no

Used on HM8, HA12I, HA15D, HM10P, H21TX, HA20PX, H12SX, HA41PX-NT

**REF [138TA7006](#)**



## ENCODERS



- Diameter shaft: 6 mm
- Shaft length: 7 mm
- Housing diameter: 6 mm
- Voltage: out 0,5–4,5 V
- Number of pins: 3

Used on OPTIMUM6, OPTIMUM8

**REF [160TA3040](#)**



- Diameter shaft: 6,3 mm
- Shaft length: 8,4 mm
- Housing diameter: 35,8 mm
- Number of pins: 3

Used on HA260PX, H43TPX, HA20PX, HA41PX-NT

**REF [138TA7077](#)**



- Diameter shaft: 6,3 mm
- Shaft length: 8,4 mm
- Housing diameter: 35,8 mm
- Number of pins: 3

**REF [138TA7076](#)**



- Diameter shaft: 7 mm
- Shaft length: 9 mm
- Housing diameter: 30 mm
- Number of pins: 3

Used on STAR10, STAR 8

**REF [138TA7075](#)**

## POTENTIOMETER



- Diameter shaft: 6 mm
- Housing diameter: 21,5 mm
- Number of pins: 3

Used on COMPACT12EN 280

**REF [160TA3805](#)**

## ANGLE SENSORS



- Length: 60 mm
- Width: 41 mm
- Height: 45 mm

Used on HA260PX

**REF [138TA7074](#)**



- Length: 72 mm
- Width: 41 mm
- Height: 44,7 mm

Used on HA260PX, HA80JRT

**REF [160TA3032](#)**



### LOAD CELL



- Length: 146,5 mm
- Width: 43,4 mm
- Height: 35 mm

Used on H12SX

**REF [160TA2320](#)**

### OPTICAL SENSOR



- Number of pins: 4

Used on HA260PX, HA15IP, HA12CJ, HA16PX, H43TPX, HA20PX, HA41PX-NT

**REF [138TA7073](#)**

PRESSURE CONTACTS							
	Thread	Connection	Switch mode	Pressure range Bar	Length mm	Used on	REF
	1/4" BSP	Blade connection	Change over	159,2	58,5	COMPACT10DX	<a href="#">138TA7132</a>
	1/4" BSP	Blade connection	Normally closed	198	55	COMPACT8, COMPACT8W, COMPACT12, COMPACT10, COMPACT10RTE, COMPACT10N, OPTIMUM6, OPTIMUM8	<a href="#">138TA7131</a>
	1/4" BSP	Blade connection	Normally open	11	55	H12SD, H18DX, COMPACT12DX, H15SD, COMPACT10DX	<a href="#">138TA7127</a>
	1/4" BSP	Blade connection	Normally open	14,6	55	COMPACT10DX	<a href="#">138TA7126</a>
	1/4" BSP	Fixed connector	Multiple, different or with signal	0-250	63	HA15IP, HA16PX	<a href="#">138TA7128</a>



PRESSURE CONTACTS							
	Thread	Connection	Switch mode	Pressure range Bar	Length mm	Used on	REF
	1/4" BSP	Fixed connector	Multiple, different or with signal	250	63,5	HA12CJ, H43TPX, HA20PX, HA41PX-NT	<a href="#">160TA3594</a>
	1/4" BSP	Fixed connector	Multiple, different or with signal	250	77	STAR10, STAR 8,	<a href="#">138TA7133</a>
	1/4" BSP	Special	Multiple, different or with signal	250	70,5	HA260PX, COMPACT12EN 280	<a href="#">138TA7129</a>
	M12	Fixed connector	Normally closed	62,9	62,9	H43TPX, HA41PX	<a href="#">160TA4352</a>
	1/4" BSP	Fixed connector	Input, output, signal	0-200	65,35		<a href="#">160TA4628</a>
	1/4" BSP	Blade connection	Change over	130	92	COMPACT12, H960E, HA16D 4X4	<a href="#">138TA7305</a>
	1/8" NPT	Screw	Normally closed	0,7	38	H12SX	<a href="#">160TA2141</a>
	M10	Blade connection	Normally closed	0,5	43,5	HA20PX	<a href="#">126TA5405</a>



## PROXIMITY SENSORS



- Total length: 57,5 mm
- Width: 26 mm
- Max voltage: 100 VDC

Used on HTB180

**REF [138TA7136](#)**



- Total length: 475 mm
- Diameter: 11,5 mm
- Voltage: 12 V

Used on HA16RTJ, HA46RTJP, HA41/130RTJPRO, HA32RTJPRO, HA100RT, HA32RTJPRO, HA20RTJ, HA20RTJP, HT43RTJPRO, HT132RT, HT21/61RT, HT23/67RTJ, HA20/260PX, HA61/80J, H12SX(L), HS5388RT(XL), HA41PX/130JRT-NT, HTB180, HA260PX/HA80JRT

**REF [138TA7078](#)**



- Total length: 57 mm
- Diameter: 18 mm
- Max voltage: 100 VDC

Used on COMPACT10DX

**REF [138TA7135](#)**



## TEMPERATURE SWITCHES



- Thread: M14 x 1,5 mm
- Voltage: 6–24 V
- Switch temperature:  $140 \pm 4$  °C
- Maximum temperature: 150 °C

Used on HA16PX, HA16SPX, HA16X, HA20PX

REF [160TA5191](#)



Used on HA16RTJ, HA46RTJP, HA120PX, COMPACT10/12DX/3368RT, HA32RTHPRO, HA100RT, HA18PX, HA51SJRT, HA43RTJPRO, HT132RT, HTL3210, HTL3614-3617-4014-401, HTL3010/3510/4010, HTL3210, HA16/18SPX, HA46/51S, HA14TX-16TPX, HB40-4, HTL4010, HTL3510, HTL32, H12SX(L), HS5388RT(XL), HA20/260PX, HA61/80J, H43TPX, HB135JRT, H21TX/23/25TPX/HB62/68, H12SX(L), HS5388RT(XL), H41PX/130JRT-NT, H23T(X/P/PX)

REF [138TA7134](#)



Thread: M18 x 1,5 mm

Used on H43TPX, HA41PX-NT

REF [160TA1230](#)



TILT SENSORS							
	Height	Diameter	Switch type	Voltage	Detection	Used on	REF
	mm	mm		VDC			
	113	96,7	Level sensor	7-48	1-10°	HA12IP, HA15IP	<a href="#">138TA7069</a>
	113	96,7	Level sensor	7-48	1-10°	COMPACT12EN 280, HA15I, HA43E, COMPACT8W/COMPACT2247E, COMPACT10RTE/COMPACT2668L, COMPACT10N/COMPACT2632E, COMPACT10/COMPACT2747E, COMPACT12/COMPACT33747E, COMPACT8W, STAR11, STAR8, STAR10, HM10P, HA12I, H18SDX, H18SX/HS5388RT, COMPACT10DX, COMPACT12DX, COMPACT12DX/COMPACT3368RT, HA26PX, HA80RJT, HA12PX, COMPACT8W, COMPACT12, COMPACT10	<a href="#">127TA2394</a>
	113	96,7	Level sensor	7-48	1-2°	H12SD, HA12PX, HA15D, H21T, HA15X, HA16PX, HA18PX, HA16PXNT, HA18PXNT, HA20P, HA16P, HA18P, HA26PX, HA20PX, HA26P, H16TPX, H12SX, H15SD, H23T, H25TP, HA32PX, HA260PX, H15SX, STAR6, HA12CJ, H21TX, HA16SPX, HA16X, STAR 6, LPE/STAR6P	<a href="#">127TA2424</a>
	113	96,7	Level sensor	7-48	2°	OPTIMUM8, OPTIMUM6	<a href="#">160TA3914</a>
	113	96,7	Level sensor	7-48	2°	COMPACT10/12DX/3368RT, COMPACT8/10N/2032E/26	<a href="#">138TA7068</a>
	18,5	100	Level sensor		3°	H12SX, H12SD, H18DX, H15SD, COMPACT8DX, COMPACT10DX, COMPACT12DX, H15SX, H18SX	<a href="#">138TA7070</a>
	85	72	Level sensor + tilt detector	9-33	5°/5°	COMPACT10/12/3368, COMPACT10/12DX/3368RT, HTB180, H18SX, HS5388RT, H12SX, HS3388RT, COMPACT8DX/COMPACT2068RT	<a href="#">138TA7071</a>





## BATTERY DISCHARGE INDICATORS



- Voltage: 24–48 V
- Built-in diameter: 52 mm

Used on HA12IP, HA33JE

**REF [138TA7245](#)**



- Voltage: 24–48 V
- Built-in diameter: 51,5 mm

Used on COMPACT10/COMPACT2747E, COMPACT12/COMPACT3347E, COMPACT8W, COMPACT8, COMPACT12, COMPACT10, COMPACT8W/2047E/12/3, COMPACT8/10N/2032E/26, COMPACT10/2747E, COMPACT10N/2032E/26, COMPACT14, COMPACT4, STAR8(22J), STAR10(26J), COMPACT12EN 280, OPTIMUM8, OPTIMUM6, STAR10, STAR8

**REF [127TA2383](#)**



- Voltage: 24–80 V
- Built-in diameter: 52 mm

Used on COMPACT10-12/2668-336

**REF [160TA1955](#)**



Built-in diameter: 52 mm

Used on STAR6, HA15IP, HA12IP, STAR 6, LPE/STAR6P

**REF [138TA7247](#)**



Built-in diameter: 30 mm

Used on STAR10, STAR8, STAR 8, LPE/STAR6P

**REF [138TA7003](#)**



Built-in diameter: 30 mm

Used on COMPACT10-12/2668-336

**REF [138TA7004](#)**



Built-in diameter: 40 mm

Used on COMPACT10

**REF [138TA7005](#)**



## COMBINATION GAUGE



- Voltage: 24-48 V
- Built-in diameter: 52 mm

Used on HM8, HM10P, HA15I, H12SD(X/E), HA16P(X/D/N), HA46JRT, HA12I

**REF [127TA2370](#)**

## HOUR METER



- Voltage: 12-48 V
- Built-in diameter: 52 mm

Used on H12SD, HA12PX, HA15D, H21T, HA15X, HA16PX, HA18PX, HA18PXNT, HA16PXNT, HA20P, HA16DX, HA16P, HA18P, HA26PX, HA20PX, HA26P, H16TPX, H18DX, COMPACT12DX, H12SX, H15SD, COMPACT8DX, COMPACT10DX

**REF [138TA7246](#)**



## ACTUATORS/POSITION TRANSDUCERS



- Voltage: 11–32 VDC
- Total length: 117 mm
- Length: 92 mm
- Width: 45 mm
- Height: 107 mm

Used on HA16PXNT, HA18PXNT, H43TPX, HTB180, H21TX, HA16PX, HA16SPX, HA16X, HA20PX, HA41PX-NT

**REF [138TA7301](#)**



- Voltage: 11–32 VDC
- Total length: 120 mm
- Length: 92 mm
- Width: 45 mm
- Height: 107 mm

Used on HA16DX

**REF [138TA7302](#)**



- Voltage: 11–32 VDC
- Total length: 120 mm
- Length: 92 mm
- Width: 45 mm
- Height: 107 mm

Used on JLG4013PS

**REF [138TA7304](#)**



Voltage: 12 VDC

Used on HA16PXNT, HA18PXNT, P90

**REF [160TA4052](#)**

## SPOOL



- Length: 159 mm
- Diameter: 18 mm

Used on HA18PX, HA51SJRT, HT43RTJPRO, HT132RT, HA16/18SPX, HA46/51S, HA16/18PX, HA46/51J, HA18(X), HA51RJT, HA16P(X/D/N), HA46JRT, HA51X

**REF [160TA2300](#)**

## ELECTRIC CARTRIDGES



Voltage: 12 VDC

Used on H21TX, HA16PX, HA16SPX, HA16X, HA20PX

**REF [160TA1514](#)**



Voltage: 24 VDC

Used on HA16DX, HA16D 4X4, HA16D

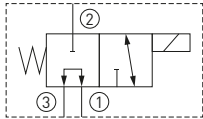
**REF [138TA7288](#)**



## CARTRIDGE VALVES



- Width across flats: 25,4 mm
- Length: 117 mm
- Diameter nose: 12,7 mm

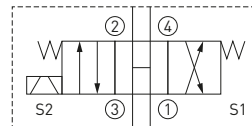


Used on COMPACT12,  
COMPACT8W, COMPACT8,  
COMPACT10

**REF 160TA3298**



- Width across flats: 25,4 mm
- Length: 175 mm
- Diameter nose: 16 mm

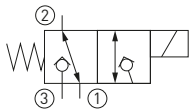


Used on  
COMPACT8W/2047E/12/3,  
COMPACT8/10N/2032E/26,  
COMPACT10/2747E,  
COMPACT10

**REF 138TA7298**



- Width across flats: 24 mm
- Length: 125 mm
- Diameter nose: 19 mm

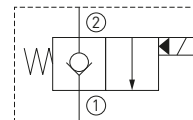


Used on STAR 8

**REF 160TA3128**



- Width across flats: 22,2 mm
- Length: 106 mm
- Diameter nose: 12,7 mm

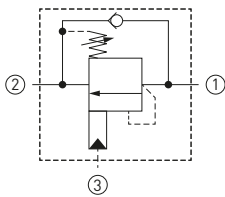


Used on COMPACT8,  
COMPACT8W, COMPACT10,  
COMPACT10RTE, COMPACT12,  
COMPACT10N

**REF 138TA7295**



- Width across flats: 22,2 mm
- Length: 86 mm
- Diameter nose: 21,7 mm

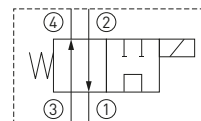


Used on HA16SPX, HA12PX,  
HA15X, HA16PX, HA18PXNT,  
HA18PX, HA16PXNT, HA16P,  
HA18P, HA20PX, H16TPX,  
HA26PX, HA12IP, HA15IP,  
HA12CJ, HTB180, H21TX, HA16X

**REF 138TA7296**



- Width across flats: 1"
- Length: 122,5 mm
- Diameter nose: 18,9 mm



Used on COMPACT12,  
COMPACT8W, COMPACT8,  
COMPACT10

**REF 160TA3857**



## CETOP VALVES



- Length: 124 mm
- Width: 44,5 mm
- Height: 40,2 mm

Used on HA16PXNT, HA18PXNT

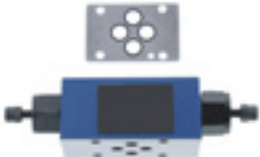
**REF [160TA3497](#)**



- Voltage: 24 V
- Length: 207 mm

Used on HM8, HA12I, HA20P, H960E

**REF [138TA7289](#)**



- Length: 83 mm
- Width: 44 mm
- Height: 38,6 mm

Used on HA26PX, HA80JRT, HA61JRT, HA26P, HA20P, HA18PXNT, HA51JRT, HA16PXNT, HA46JRT

**REF [165TA3965](#)**



- Length: 78 mm
- Width: 45,8 mm
- Height: 52 mm
- Total length: 222 mm

**REF [131TA9520](#)**

## PRESSURE VALVES (FLOW)



- Thread: 7/8"
- Length: 85,7 mm

Used on HA18PX, HA51SJRT, HA20RTJ, HA20RTJP, HA16/18SPX, HA46/51S, HA14X-16TPX, HB40-4, HA120PX, HA12IP, HA16X, HA46RT, HA16/18PX, HA46/51J, HA51I, HA43E, HA15IP, HA16DX, HA16D, HA16D 4X4, HA15I, HA33JE, HA16TPX, HB44J, HA26PX, HA80JRT, HA20PX, HA61JRT, HA26P, HA20P, HA18P(X), HA16(X/D/N), HA46RTJ, HA15X

**REF [160TA4059](#)**



- Thread: 7/8"
- Length: 65,3 mm

Used on HA16SPX, HA12PX, HA15X, HA16PX, HA18PXNT, HA18PX, HA16PXNT, HA16P, HA18P, HA12IP, HA15IP, HA12CJ, H43TPX, HTB180, H21TX, HA20PX, HA41PX-NT

**REF [138TA7291](#)**



- Thread: 1 5/16" UNF
- Length: 104,8 mm

**REF [160TA3192](#)**



## PRESSURE VALVES (FLOW)



- Thread: 1 5/16" UNF
- Length: 130,6 mm

Used on HA20PX

**REF [138TA7297](#)**



- Thread: 3/8"
- Length: 138 mm

Used on HA15IP, HA16PX, H21TX, HA16SPX, HA16X, HA20PX, HA12IP

**REF [160TA3173](#)**



- Thread: 1/2"
- Length: 132 mm

Used on HA32PX, HA41PX-NT

**REF [160TA2788](#)**

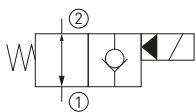
## CARTRIDGES WITH COIL



- Voltage: 12 V
- AC/DC: DC
- Resistance: 8,5 Ω
- Diameter1: 12,6 mm
- Diameter2: 12,6 mm
- Length: 91 mm

Used on HA16PXNT, HA18PXNT, H43TPX, HTB180, H21TX, HA16PX, HA16SPX, HA16X, HA20PX, HA41PX-NT

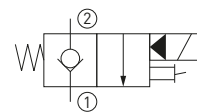
**REF [138TA7282](#)**



- Voltage: 24 V
- AC/DC: DC
- Resistance: 28,7 Ω
- Diameter1: 12,6 mm
- Diameter2: 12,6 mm
- Length: 126 mm

Used on COMPACT8, COMPACT10, COMPACT14

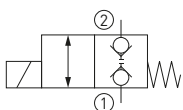
**REF [138TA7283](#)**



- Voltage: 12 V
- AC/DC: DC
- Resistance: 8,4 Ω
- Diameter1: 17,9 mm
- Diameter2: 12,6 mm
- Length: 90 mm

Used on HA41PX-NT

**REF [138TA7284](#)**



**Cartridges exist in a variety of dimensions and wiring diagrams. When placing an order, always provide the necessary info with regard to the wiring diagram, as cartridges may have identical dimensions yet be connected in different ways.**

**Diameter D1 is the nose of the cartridge. Diameter D2 is the diameter of the cartridge end on which the coil is mounted.**



CARTRIDGE VALVE COILS							
	Voltage V	AC/DC	Resistance Ω	Diameter mm	Height mm	Used on	REF
	24	DC	29,4	43,6	51	COMPACT8, COMPACT10, COMPACT12	<a href="#">160TA4763</a>
	10	DC	7,3	33	37,5	HA16PX, HA20PX	<a href="#">160TA3521</a>
	12	DC	4,7	45,8	56,5	COMPACT10DX, COMPACT12DX	<a href="#">160TA3378</a>
	12	DC	5	45	52	HA18PXNT, HA16PXNT, HA16PX	<a href="#">131TA8236</a>
	12	DC	5	45,3	56	H21TX, HA16SPX, HA16X, HA20PX	<a href="#">160TA2729</a>
	12	DC	5,7	45	51	STAR12, STAR11, STAR9	<a href="#">138TA7306</a>
	12	DC	8,4	36,2	40	COMPACT10DX	<a href="#">131TA8058</a>





CARTRIDGE VALVE COILS							
	Voltage V	AC/DC	Resistance Ω	Diameter mm	Height mm	Used on	REF
	14	DC	8,1	45	51,8	STAR12, STAR11, HA16X, HA16SPX, HA20PX, H12SX	<a href="#">138TA7309</a>
	24	DC	29,4	43,6	51	COMPACT12, COMPACT8W, COMPACT8, COMPACT10	<a href="#">165TA3966</a>
	28	DC	23	40,5	38,8	STAR8, STAR10	<a href="#">160TA3860</a>
	24	DC	28,7		38,5	STAR8(22J), STAR10(26J)	<a href="#">138TA7308</a>
	24	DC	19,2		50	STAR 8	<a href="#">160TA3575</a>
	24	DC	25,4		51	COMPACT8W/2047E/12/3, COMPACT8/10N/2032E/26, COMPACT10/2747E, COMPACT10, COMPACT14, COMPACT3	<a href="#">131TA9561</a>



## FITTINGS FOR HYDRAULIC CIRCUITS



Adapter 1/4" BSP

Used on LPE/LPMSTAR6P,  
STAR6, STAR8(22J), STAR10(26J)

**REF [160TA2542](#)**



Adapter 3/4" JIC

Used on HA12I, HA15I, H21T,  
HA18PXNT, HA16PXNT, HA16P,  
HA16DX, HA26PX, HA20P,  
HA26P, H23T, H25TP, HA260PX,  
HA16D 4X4, HA16D, H21TX, P90

**REF [124TA3671](#)**



Adapter 7/16" JIC

Used on HM8, HM10P,  
HA120PX, HA12IP, HA33JE,  
COMPACT10-12/2668-336,  
HA18PX, HA51SJER,  
STAR8/22J/1026J, HA16/18SPX,  
HA46/51S, H14TX-16TPX,  
HB40-4, HA16/18PX, HA46/51J,  
HA20/260PX, HA61/80J,  
HA120PX, STAR8/10, HA12IP,  
H21TX/23/25TPX/HB62/68

**REF [160TA1765](#)**



Adapter 9/16" JIC

Used on HA16SPX, COMPACT12,  
H12SX, HA12I, COMPACT10,  
COMPACT8, STAR10,  
COMPACT8W, H12SD, HA12PX,  
HA15I, HA15D, HA16PX,  
HA18PX, HA16PXNT, HA16P,  
HA16DX, HA18P, HA20P,  
H16TPX, H18DX, COMPACT12DX,  
H15SD, COMPACT8DX,  
COMPACT10DX

**REF [124TA3668](#)**



Adapter 9/16-18" JIC

Used on HA16SPX, COMPACT10,  
COMPACT8W, H12SX,  
COMPACT10N, COMPACT12,  
HA12I, STAR10, COMPACT8,  
H12SD, OPTIMUM6, HA12PX,  
HA15I, HA15D, H21T, HA15X,  
HA16PX, HA18PX, HA16PXNT,  
HA18PXNT, HA16P, HA16DX,  
HA20P, HA18P, HA26PX,  
HA20PX, HA26P, H16TPX

**REF [160TA3162](#)**



## HYDAULIC INTEGRATED CIRCUIT WITH CARTRIDGES



- Total length: 91,9 mm
- Width: 50 mm
- Height: 27,9 mm

Used on HA12I, HA15D, H21T, HA15X, HA16PXNT, HA18PXNT, HA16P, HA16DX, HA20P, HA18P, HA26P, HA20PX, H16TPX, HA26PX, H23T, H25TP, HA12IP, HA15I, HA16D 4X4, HA16D, HA12PX, HA16PX, HA18PX, HA32P, HA15IP

**REF [138TA7299](#)**



- Voltage: 12 V
- Total length: 185 mm
- Width: 62,8 mm
- Height: 87 mm

Used on H21TX

**REF [160TA3519](#)**



- Voltage: 24 VDC
- Length: 90 mm
- Width: 60 mm
- Height: 30 mm

Used on STAR10

**REF [160TA3766](#)**



- Voltage: 24 VDC
- Length: 80 mm
- Width: 60 mm
- Height: 30 mm

Used on STAR 8/225, STAR 10/266J, STAR 10

**REF [165TA3967](#)**



## HYDRAULIC CYLINDERS



- Lift cylinder or single-acting
- Total measured length: 575 mm
- Diameter tube: 95 mm
- Diameter rod: 40 mm
- Piston shaft stroke: 313 mm

Used on HA16PX, HA16SPX, HA16X, HA12IP

**REF [160TA3244](#)**



- Special cylinder
- Total measured length: 338 mm
- Diameter tube: 42 mm
- Diameter rod: 20 mm
- Piston shaft stroke: 85 mm

Used on COMPACT10N, COMPACT8, COMPACT12, COMPACT10RTE, COMPACT10, OPTIMUM6, COMPACT8W, OPTIMUM8, COMPACT12EN 280

**REF [160TA3933](#)**



- Special cylinder
- Total measured length: 490 mm
- Diameter tube: 125 mm
- Diameter rod: 75 mm
- Piston shaft stroke: 215 mm

Used on HA20P, HA26PX, HA20PX, HA26P, H23T, H25TP, H21TX

**REF [160TA1762](#)**



- Special cylinder
- Total measured length: 635 mm
- Diameter tube: 90 mm
- Diameter rod: 55 mm

Used on HA20P, HA26PX, HA20PX, HA260PX

**REF [160TA2359](#)**



- Steering cylinder
- Total measured length: 667 mm
- Diameter tube: 73,3 mm
- Diameter rod: 45 mm

Used on HA12IP, HA15IP

**REF [160TA3063](#)**



- Special type cylinder
- Total measured length: 810 mm
- Diameter tube: 90 mm
- Diameter rod: 55 mm
- Piston shaft stroke: 520 mm

Used on H12SX(L), HS5388RT(XL), H18SX, HS5388RT

**REF [160TA4028](#)**

## HYDRAULIC HOSES



- Length: 8950 mm
- Pressure: 3260 bar

Used on HA15X, HA16PX, HA18PX, HA16PXNT, HA18PXNT, HA16P, HA18P, HA16SPX, HA16X

**REF [160TA1807](#)**



- Length: 8950 mm
- Pressure: 3260 bar

Used on HA16PX, HA16PXNT, HA16P, HA12IP, HA16SPX

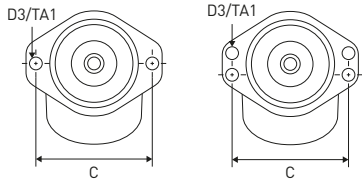
**REF [160TA2940](#)**



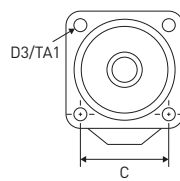
## HYDRAULIC MOTORS

### Type of flange

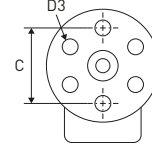
Type A



Type C



Type D  
Number of holes is not important for this type

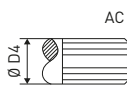


Type S  
Special shape, none of the previous types

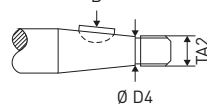
Type Z  
Without flange

### Type of shaft

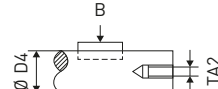
Type B



Type E



Type F



Type S  
Special type

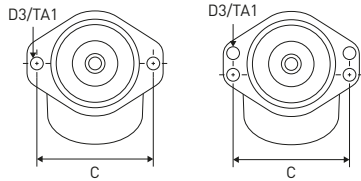
	Thread connection	Type of flange	Type of shaft	Total length mm	Used on	REF
	1/2" BSP	A	F	194	H21T, HA16DX, HA20P, HA26PX, HA20PX, HA26P, H16TPX, H23T, H25TP, HA260PX, HA16D 4X4, HA16D, H21TX	<a href="#">131TA6855</a>
	1/2" BSP	A	F	195	HA15X, HA16PX, HA18PX, HA16PXNT, HA18PXNT, HA16P, HA18P, HA16X	<a href="#">131TA9754</a>
	1/2" BSP	C	E	219	OPTIMUM6, OPTIMUM8	<a href="#">138TA7250</a>
	1/2" BSP	C	E	243	COMPACT12	<a href="#">160TA5011</a>



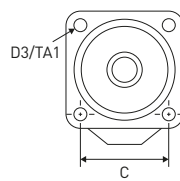
## HYDRAULIC MOTORS

### Type of flange

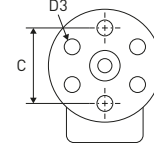
Type A



Type C



Type D  
Number of holes is not important for this type

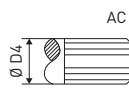


Type S  
Special shape, none of the previous types

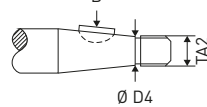
Type Z  
Without flange

### Type of shaft

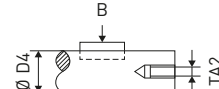
Type B



Type E



Type F



Type S  
Special type

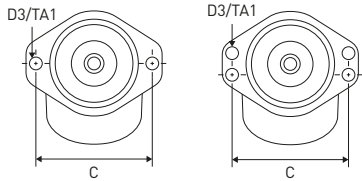
	Thread connection	Type of flange	Type of shaft	Total length mm	Used on	REF
	1/2" BSP	D	B	145	H12SX, H12SD, HA15D, HA15X, HA16P, HA16DX, HA20P, H16TPX, H18DX, H15SD, H18SX, H15SX, HA16D	<a href="#">131TA6848</a>
	1/2" BSP	D	B	151	HA12PX, H21T, HA16PX, HA18PX, HA18PXNT, HA16PXNT, HA16P, HA18P, HA26PX, HA20PX, HA20P, H23T, H25TP, HA260PX, HA16X, H21TX, HA16SPX	<a href="#">138TA7251</a>
	1/2" BSP	S	S	150	HA16RTJ, HA46RTJP, H12SX(L), HS5388RT(XL)	<a href="#">160TA4703</a>
	3/4" BSP	C	E	383	COMPACT10DX, COMPACT12DX, COMPACT12DX, COMPACT3368RT, COMPACT10DX, COMPACT2668RT, COMPACT8DX	<a href="#">138TA7254</a>



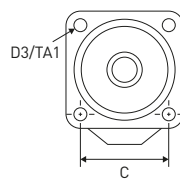
## HYDRAULIC MOTORS

### Type of flange

Type A

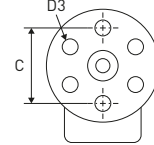


Type C



Type D

Number of holes is not important for this type



Type S

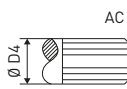
Special shape, none of the previous types

Type Z

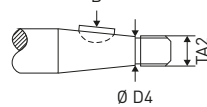
Without flange

### Type of shaft

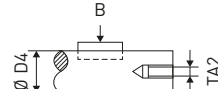
Type B



Type E



Type F



Type S

Special type

	Thread connection	Type of flange	Type of shaft	Total length mm	Used on	REF
	3/4" NPT + 3/8" BSP	C	E	383	COMPACT10DX	<a href="#">160TA3341</a>
	3/8" BSP	Z	F	150	STAR9, STAR12, STAR11	<a href="#">138TA7248</a>
	7/8" UNF	C	E	229	COMPACT12EN 280, COMPACT8W, COMPACT2247E, COMPACT10RTE, COMPACT2668L, COMPACT10N, COMPACT2632E, COMPACT8, COMPACT2032E, COMPACT12, COMPACT8, COMPACT12, COMPACT2277E, COMPACT3347E, COMPACT12, COMPACT10	<a href="#">131TA6833</a>

## HYDRAULIC MOTORS



- Kit of 2 pieces
- Thread connection: 1/2" BSP
- Type of flange: C
- Type of shaft: E
- Total length: 243 mm

Used on COMPACT8

REF [160TA4000](#)






HYDRAULIC PUMPS						
	Total length mm	Neck diameter mm	Direction of rotation	Material of housing	Used on	REF
	84	32	CCW	Aluminium	HA16PX, HA16SPX, HA16X, HA41PX-NT	<a href="#">106TA5591</a>
	85,5	32	CW	Aluminium	LPE/STAR6P	<a href="#">160TA2215</a>
	87,4	52	CCW	Aluminium	HA15IP, HA43JE, COMPACT10-12/2668-336, HA12IP, HA33JE, HA15IP	<a href="#">138TA7263</a>
	92,7	32	CCW	Aluminium	STAR 8	<a href="#">160TA3362</a>
	98	85	CW	Aluminium	COMPACT8, COMPACT10, COMPACT12	<a href="#">160TA3451</a>
	99,5	45,2	CCW	Aluminium	OPTIMUM8	<a href="#">160TA3201</a>
	100	45,2	CCW	Aluminium		<a href="#">165TA3968</a>



HYDRAULIC PUMPS						
	Total length mm	Neck diameter mm	Direction of rotation	Material of housing	Used on	REF
	102	32	CCW	Aluminium	STAR8, STAR10	<a href="#">138TA7264</a>
	107,4	31,7	CW	Aluminium	HA12CJ(+)/32CJ(+)/33CJ	<a href="#">165TA3969</a>
	110	31,7	CW	Aluminium	HA12CJ(+)/32CJ(+)/33CJ(+)	<a href="#">160TA2751</a>
	121	45,2	CCW	Aluminium		<a href="#">147TA6760</a>
	191	82,5	CCW	Aluminium	COMPACT12DX, COMPACT8DX, COMPACT10DX	<a href="#">160TA2984</a>
	215	101,5	CW	Aluminium		<a href="#">160TA3506</a>
	233	101,5	CW	Aluminium + metal	H12SX	<a href="#">138TA7265</a>



HYDRAULIC PUMPS						
	Total length mm	Neck diameter mm	Direction of rotation	Material of housing	Used on	REF
	260	101,6	CW	Metal	H21T, HA15X, HA16PX, HA18PX, HA16PXNT, HA18PXNT, HA16P, HA20P, HA18P, HA26P, HA20PX, H16TPX, HA26PX, H23T, H25TP, HA32PX, H43TPX, HA41PX-NT	<a href="#">138TA7252</a>
	260	101,5	CW	Aluminium	HA16DX, HA16D	<a href="#">165TA3970</a>
	250	101,6	CW	Metal	HA188PX, HA51SJRT, HA16/18SPX, HA46/51S, HA14TX-16TPX, HA40-4, HA20/260PX, HA61/80J, H21TX/23/25TPX/HB6268	<a href="#">160TA3801</a>

### HYDRAULIC HAND PUMP KIT



Used on HA16SPX, STAR10, H12SX, HA12PX, HA15I, HA15D, HA16P, HA18P, HA12I, STAR8, HA12IP, HA15IP, H15SX, H18SX, HTB180

**REF [138TA7269](#)**



HYDRAULIC PUMP GROUPS				
	Electric motor V	Power kW	Used on	REF
	12 DC	1,6	HA26PX, HA16PXNT, HA18PXNT, HA20PX, HA32PX, HA16PX, HA16SPX, HA16X, HA41PX-NT	<a href="#">138TA7258</a>
	12 DC	2,1	HT/28/85(RTJ0)/(PRO), HB86TJ+/H25TJ+, HA26RTJ O/HA80RTJ PRO, HA20RTJ/HA61 RTJ PRO, HT43/132 RTJ PRO	<a href="#">160TA3897</a>
	24	3	COMPACT12, COMPACT8W, COMPACT8, COMPACT10, OPTIMUM8, OPTIMUM6	<a href="#">139TA5117</a>
	24	3	H960E	<a href="#">138TA7256</a>
	24	3	STAR12, STAR9, STAR11, STAR10	<a href="#">160TA3678</a>
	24 DC	3	STAR 8	<a href="#">160TA1516</a>



HYDRAULIC PUMP GROUPS				
	Electric motor V	Power kW	Used on	REF
	24 DC	3	OPTIMUM6, COMPACT8W, COMPACT8, COMPACT10N, COMPACT12, COMPACT10RTE, COMPACT10, OPTIMUM8, COMPACT12EN 280	<a href="#">138TA7260</a>
	24 DC	3	HM8/HM10P, STAR 8, STAR 10, HM8	<a href="#">138TA7262</a>
	24 DC	4,5	OPTIMUM6, OPTIMUM8	<a href="#">138TA7255</a>
	48 DC	3,7	HA12IP, HA33JE, HA15I, HA43E, HA16P(X/D/N), HA46JRT	<a href="#">138TA7259</a>
	48 DC	3,7	HA15IP, HA43JE, HA33JE	<a href="#">160TA2800</a>
	24 DC	4,5	STAR10	<a href="#">160TA3829</a>



## HYDRAULIC OIL TANK



- Length: 765 mm
- Width: 255 mm
- Height: 250 mm

Used on COMPACT8,  
COMPACT8W,  
COMPACT10N, COMPACT12,  
COMPACT10RTE, COMPACT10,  
COMPACT12EN 280

**REF [160TA3332](#)**

## HYDRAULIC SERVO BRAKE



- Height: 184 mm
- Diameter: 153 mm
- Thread: M26 x 1,25 mm

Used on OPTIMUM6,  
OPTIMUM8

**REF [160TA4062](#)**

## HYDRAULIC BRAKE



- Diameter housing: 184 mm
- Length housing: 93 mm
- Total length: 158 mm
- Thread: 1 1/8"

Used on COMPACT8,  
COMPACT12, COMPACT10,  
COMPACT10N, COMPACT8W,  
COMPACT10RTE,  
COMPACT12EN 280

**REF [138TA7310](#)**



## COIL PROPORTIONAL VALVES



- Voltage: 12 V
- Height: 76 mm
- Diameter: 70,5 mm

Used on  
HTL3614-3617-4014-401,  
HT43RTJPRO, HT132RT,  
HT28/85RTJP/PRO,  
HT32RTJPRO, HA100RT,  
HTL3210, HTL3010/3510/4010

**REF [138TA7339](#)**



- Voltage: 12 VDC
- Height: 76 mm
- Diameter: 72 mm

Used on H12SX

**REF [138TA7340](#)**

## RADIATOR



- Horizontal type
- Length: 401 mm
- Width: 60 mm
- Height: 492 mm

Used on HA120PX




**REF [160TA3706](#)**





## FILLER CAPS

	Height mm	Outer diameter mm	Inner diameter mm	Used on	REF
	36	60	27	COMPACT10DX, COMPACT12DX	<b><a href="#">138TA7459</a></b>
	36	90	27	HAA14TPX, HA16TPX, HA20PX, HA26PX	<b><a href="#">138TA7462</a></b>
	40	90	55	HA14TX-16TPX, HB40-4, HA20/260PX, HA61/80J, H21TX/23/25TPX/HB62/68, H25TP, H25TPX, H23(X/P/PX), H16TPX, HB44J, HA80JRT, HA260PX, HA26P, HA20P, HA21T, H21TX	<b><a href="#">138TA7458</a></b>
	41,5	50	41,5	HA20PX, HA26PX	<b><a href="#">128TA3393</a></b>





FILLER CAPS					
	Height mm	Outer diameter mm	Inner diameter mm	Used on	REF
	43	65,5	36	HA15X, HA16P, HA18P, HA16PX, HA16SPX	<a href="#">138TA7463</a>
	62	67	48	H43TPX, HA41PX-NT	<a href="#">138TA7460</a>
	69	95	64,5	HA120PX, H12SX(L), HS5388RT(XL), HA12SD(X/E), H15SD(X/E), H18SDX, H18SX, HS3388RT, H15SX, HS4388RT, HA15D, HA15DX, HA12PX, H12SD(X/E)	<a href="#">138TA7461</a>

FUEL PUMPS					
	Total height mm	Centre distance mm	Number of holes	Used on	REF
	72	78	2		<a href="#">138TA7321</a>
	72	78	2	MJX990, MJX970, MJX950, HTL4017	<a href="#">138TA7322</a>
	90	51	2	H25TPX	<a href="#">138TA7324</a>
	92	45	2	HA120PX	<a href="#">152TA4582</a>



FUEL PUMPS					
	Total height mm	Centre distance mm	Number of holes	Used on	REF
	128,5	72,5	2		<a href="#">160TA3360</a>
	130	73	2		<a href="#">138TA7325</a>
	170	73	2	HA18PX, HA51SJRT, HA16/18SPX, HA46/51S, HA14TX-16, HAB40-4, HA16/18PX, HA46/51J, MJ970, HA16X, HA46RT	<a href="#">138TA7323</a>
	257	60	3	HA41/130RTJPRO, HA32RTJPRO, HA100RT, HT43RTJPRO, HT132RT, HTL3210, HTL3614-3617-4014-401, HTL3010/3510/4010, HTL3210,	<a href="#">139TA5153</a>
	112	11	4	H12SX, H15SX	<a href="#">160TA2549</a>

## LIQUID TANKS



- Length: 650 mm
- Height: 500 mm
- Width: 210 mm
- Content: 65 l

Used on HA120PX, H12SX(L), HS5388RT(XL), H12(X/E), H18SDX, H18SX, HS5388RT, H15SX, HS4388RT, HA15D, HA15DX, HA12PX, H12SD(X/E), HAH12SX(L), HS5388RT(XL)

REF [138TA7345](#)



- Length: 585 mm
- Height: 400 mm
- Width: 390 mm
- Content: 75 l

Used on HA16PX, HA18PX, HA16PXNT, HA18PXNT, HA16SPX

REF [160TA2787](#)



## ACCELERATOR



- Voltage: 12 V
- Type of current: DC
- Function: pull
- Mounting side: both sides
- Length: 127 mm

Used on HA32PX

REF [138TA7341](#)

## ENGINE STOP SOLENOIDS

	Voltage v	Type of voltage	Function	Mounting side	Length mm	Used on	REF
	12	DC	Push	Both sides	44	H12SX	<a href="#">135TA2516</a>
	12	DC	Pull	Both sides	111	H16TPX, HB44J, HA16PXNT, HA46JRT, HA18PXNT, HA51JRT, HA15X	<a href="#">138TA7336</a>
	12	DC	Pull	Both sides	127	H43TPX	<a href="#">138TA7337</a>
	12	DC	Pull	Both sides	71	COMPACT10DX	<a href="#">128TA3249</a>
	12	DC	Pull	Both sides	96	COMPACT10DX	<a href="#">160TA4273</a>
	12	DC	Pull	Without	82,7	H12SX, H15SX	<a href="#">160TA1242</a>



ENGINE STOP SOLENOIDS							
	Voltage	Type of voltage	Function	Mounting side	Length	Used on	REF
	V				mm		
	12	DC			92,5	HA12DX	<a href="#">165TA3971</a>
	24	DC		Without	127,5	HA16DX, HA20PX	<a href="#">138TA7338</a>
	12	DC	Push	Both sides	69	HA20/260PX, HA61/80J	<a href="#">151TA2997</a>

## MUFFLERS



- Length of the muffler: 350 mm
- Diameter body: 350/180 mm
- Outer diameter smallest tube: 48 mm
- Outer diameter biggest tube: 53 mm

Used on HA18PXNT, HA16PXNT, HA20PX

**REF [160TA3861](#)**



- Length of the muffler: 382 mm
- Diameter body: 160/96 mm
- Outer diameter smallest tube: 38 mm
- Outer diameter biggest tube: 45 mm

Used on HA120PX

**REF [160TA2424](#)**



- Length of the muffler: 455 mm
- Diameter body: 177 mm
- Outer diameter smallest tube: 27 mm
- Outer diameter biggest tube: 53,4 mm

Used on HA20PX, HA26PX

**REF [139TA4587](#)**



- Length of the muffler: 575 mm
- Diameter body: 138/130 mm
- Outer diameter smallest tube: 48 mm
- Outer diameter biggest tube: 52 mm

Used on H12SX

**REF [160TA1798](#)**



## EXHAUST PIPES



- Length: 212 mm
- Outer diameter smallest tube: 51 mm
- Outer diameter biggest tube: 51 mm

Used on H12SD, H18DX, H12SX, H15SD, H15SX, H18SX

**REF [160TA2395](#)**



- Length: 560 mm
- Outer diameter smallest tube: 48 mm
- Outer diameter biggest tube: 48 mm

Used on HA26PX, HA20PX, HA260PX

**REF [160TA3511](#)**



- Length: 670 mm
- Outer diameter smallest tube: 45 mm
- Outer diameter biggest tube: 45 mm

Used on HA18PX, HA51SJRT, HA16/18SPX, HA46/51S, HA16/18PX, HA46/51J,

**REF [139TA3873](#)**



- Length: 720 mm
- Outer diameter smallest tube: 48 mm
- Outer diameter biggest tube: 48 mm

Used on HA15X, HA16X

**REF [160TA2662](#)**

## PARTS EXHAUST



Silencer valve

Used on H21T, HA20P, HA26PX, HA20PX, HA26P, H23T, H25TP, HA260PX, H21TX

**REF [160TA3547](#)**

## OIL DIPSTICKS



- Total length: 292 mm
- Diameter: 12,7 mm
- Length: 215 mm

Used on HA16PX, HA18PX

**REF [160TA2706](#)**



- Total length: 285 mm
- Diameter: 13 mm
- Length: 208 mm

Used on COMPACT12DX

**REF [160TA1143](#)**



## TENSIONER BELT



Diameter: 76 mm

Used on HA16PX, HA16SPX,  
HA16X, HA41PX-NT

**REF [160TA2638](#)**

## TOOTHED BELT



- Timing belt
- Belt width: 25 mm
- Belt height: 5,7 mm
- Pitch: 9,5 mm

Used on HA12PX, HA18PX

**REF [160TA2771](#)**

## V-BELTS



- V-belt, toothed open flank
- Belt width: 10 mm
- Belt height: 7,4 mm
- Outside length: 850 mm

Used on H12DX

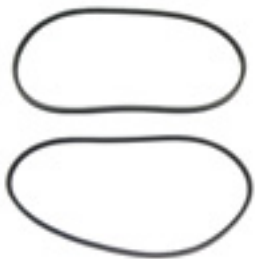
**REF [138TA7332](#)**



- V-belt, toothed open flank
- Belt width: 10,1 mm
- Belt height: 8,1 mm
- Outside length: 1125 mm

Used on HA20/260PX,  
HA61/80J, HA18PX, HA51SJRT,  
HA16/18SPX, HA46/51S,  
H14TX-16TPX, HA40-4,  
HA16/18PX, HA46/51J,  
HA16PXNT, HA46JRT,  
HA18PXNT, HA51JRT

**REF [138TA7331](#)**



- V-belt, toothed open flank
- Belt width: 13,5 mm
- Belt height: 10 mm
- Outside length: 1345 mm

Used on H43TPX, HA41PX-NT

**REF [160TA2174](#)**

## FLAT DRIVE BELTS



- Rib width: 2,34 mm
- Belt width: 21,4 mm
- Belt height: 3,5 mm
- Effective length: 914 mm

**REF [138TA7334](#)**



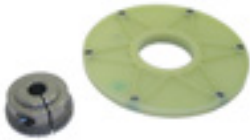
- Rib width: 2,34 mm
- Belt width: 20,6 mm
- Belt height: 3,6 mm
- Effective length: 920 mm

Used on H12SX

**REF [138TA7335](#)**



## COUPLINGS



- Biggest diameter: 215,8 mm
- Smallest diameter: 77,8 mm
- Height: 42 mm

Used on HA15X, HA18PX, HA16PX, HA16PXNT, HA18PXNT, HA20P, HA16P, HA18P, HA26PX, HA20PX, HA26P, H16TPX, HA260PX, HA16SPX, HA16X

**REF [138TA7014](#)**



- Biggest diameter: 165,5 mm
- Smallest diameter: 77,8 mm
- Height: 42 mm

Used on H12SD, HA15D, H21T, HA16DX, H18DX, H12SX, H15SD, H23T, H25TP, H15SX, H18SX, HA16D 4X4, HA16D

**REF [138TA7015](#)**

## ALTERNATORS



- Voltage: 12 V
- Current: 55 A

Used on H12SX, HA41, HA43

**REF [103TA3632](#)**



- Voltage: 12 V
- Current: 50 A

Used on H12SX

**REF [138TA7329](#)**



- Voltage: 12 V
- Current: 60 A

Used on HA15X, HA18PX, HA16PX, HA18PXNT, HA16PXNT, H16TPX, HA16SPX, HA16X, HA20PX

**REF [151TA2355](#)**



- Voltage: 12 V
- Current: 95 A

Used on MJX990, HTL4017, MJX970, MJX950

**REF [136TA3822](#)**



- Voltage: 12 V
- Current: 120 A

**REF [152TA9329](#)**





## STARTERS



- Voltage: 12 V
- Power: 1,4 kW
- Number of teeth: 9

Used on COMPACT10DX

**REF [160TA5241](#)**



- Voltage: 12 V
- Power: 1,6 kW
- Number of teeth: 9

Used on HA120PX

**REF [135TA5265](#)**



- Voltage: 12 V
- Power: 2 kW
- Number of teeth: 9

Used on H12SDX, H25TPX, HA15DX

**REF [160TA3315](#)**



- Voltage: 12 V
- Power: 2,3 kW
- Number of teeth: 11

Used on H16TPX, HB44J, HA16PXNT, HA46JRT, HA18PXNT, HA51RT, HA15X, HA46JRT

**REF [138TA7326](#)**



- Voltage: 12 V
- Power: 2,45 kW
- Number of teeth: 9

Used on HA16PX, HA16SPX, HA16X, HA20PX

**REF [135TA5465](#)**



- Voltage: 12 V
- Power: 2,7 kW
- Number of teeth: 11

Used on H12SX

**REF [160TA4078](#)**



- Voltage: 12 V
- Power: 3 kW
- Number of teeth: 9

**REF [160TA3172](#)**



- Voltage: 12 V
- Power: 4 kW
- Number of teeth: 9

**REF [160TA4644](#)**



FILTERS					
	Outer diameter mm	Inner diameter mm	Height mm	Used on	REF
<b>Air filters</b>					
			41,7	HA120PX, HA16X, HA260PX	<a href="#">164TA1037</a>
	105	60	270	COMPACT10/12DX/3368RT, COMPACT10/12X-H12/15/1, COMPACT10-12DX/2668-3	<a href="#">152TA6363</a>
	105	62	292	HA16RTJ, HA46RTJP	<a href="#">152TA8850</a>
	121	77	291	COMPACT10DX, COMPACT12DX	<a href="#">138TA7351</a>
	140	60	87	HA20PX, HA26PX	<a href="#">164TA1047</a>
	140	81	320	HA32ERJPRO, HT43RTYPRO	<a href="#">164TA1030</a>
	164	8	202	HA32ERJPRO, HT43RTYPRO	<a href="#">127TA2385</a>
	164	91	341	HA20/260PX, HA61/80J, HA18PX, HA51SJRT, HA16/80SPX, HA46/51S, H14TX-16TPX, HB40-4, HA16/18PX, HA46/51J, HA16X, HA260PX, HA16X, HA46RT, HA16/18SPX	<a href="#">138TA7353</a>



FILTERS					
	Outer diameter mm	Inner diameter mm	Height mm	Used on	REF
	63	45	260	COMPACT10/12D/3368RT, COMPACT10/12X-H12/15/1, COMPACT10-12DX/2668-3	<a href="#">152TA4749</a>
	82	73	191	HA16PE, COMPACT10RTE	<a href="#">164TA1056</a>
	87	44	180		<a href="#">164TA1044</a>
	92	72	345	HA41/130RTHPRO, HA32RTJPRO, HA100RT, HT43RTJPRO, HT132RT, HTL3210, HTL3614-3617-4014-401, HTL3010/3510/4010, HTL3210, H43TPX, HB135JRT, HA41PX/130JRT-NT, MJX990, MJX970, MJX950, HTL4017	<a href="#">138TA7354</a>
<b>Oil filters</b>					
	44	20,7	100	STAR8, STAR10, STAR6	<a href="#">138TA7363</a>
	45	22	195	HA15IP, HA43JE, HA12IP, HA33JE	<a href="#">138TA7364</a>
	56,5	25	170		<a href="#">164TA1036</a>
	56,5	25,5	205	HTL3614-3617-4014-4010, HT43RTJPRO, HT132RT, HT28/85(RTJO)/(PRO), HA41/130RTHPRO, HA32RTJPROn, HA100RT, HA20RTJ, HA20RTJPRO, HTL3210, HTL3010/3510/4010, H43TPX, HB135JRT, HA41PX/130JRT-NT	<a href="#">164TA1017</a>



FILTERS					
	Outer diameter mm	Inner diameter mm	Height mm	Used on	REF
	75	17,4	57	HA20PX, HA26PX	<a href="#">127TA2376</a>
	78,6	17,4	90	HT42RTJPRO, HT132RT, HA41/130RTJPRO, HA18PX, HA51SJRT, HA32RTJPRO, HA100RT, HA16/18SPX, HA46/51S, H14TX-16TPX, HB40-4, HA20/260PX, HA16/18SPX, HA46/51S, HA16/18PX, HA46/51J	<a href="#">138TA7359</a>
	83	18,5	100	COMPACT10, HA16RTJ, HA46RTJP	<a href="#">152TA4376</a>
	85	18,5	78	COMPACT 8DX, 10DX, 12DX	<a href="#">164TA1046</a>
	86	57	245	HA16DX	<a href="#">164TA1055</a>
	93,5	17,4	180	HTL3614-3617-4014-401, HT43RTJPRO, HT132RT, HA41/130RTJPRO, HA32RTJPRO, HA100RT, HTL3210, HTL3010/3510/4010, HA43TPX, HB135JRT, HA41PX/130JRT-NT	<a href="#">164TA1026</a>
	93,5	17,4	85	HA20RTJ, HA20RTJP, HT21/61RT, HT23/67RTJ	<a href="#">164TA1038</a>
	94	18,5	82		<a href="#">164TA1057</a>
	95	23,2	140	P90-P90L-T90LX-MULTIJ	<a href="#">164TA1059</a>



FILTERS					
	Outer diameter mm	Inner diameter mm	Height mm	Used on	REF
	95	49	195,5	HTL3614-3617-4014-4010, HTL4017	<a href="#">138TA7365</a>
	95	93,5	187	COMPACT10, COMPACT8, COMPACT14, COMPACT12	<a href="#">127TA2432</a>
	96	17,4	144	COMPACT10, HA16DX, HA16D	<a href="#">127TA2388</a>
	96,2	24,6	140	COMPACT10, COMPACT8	<a href="#">127TA2378</a>
	97	23,2	138		<a href="#">152TA8645</a>
	98	23,2	213	MJX990, MJX970, MJX950, HTL4017	<a href="#">138TA7356</a>
	128	39,6	179	H12SX(L), HS5388RT(SL), HTL3614-3617-4014-401, HT43RTJPRO, HT132RT, HT/28/85(RTJO)/(PRO), HT21/61(RT), HT23/67(RTJ), HA16RTJ, HA46RTJPRO, HA15IP, HA43JE, HA120PX, HA12CJ(+)/32CJ(+)/33CJ, HA12IP, HA33JE, HA32RTJPRO, HA100RT, HA16RTJ; HA46RTJ, HA18PX, HA51SJRT, HTL3210	<a href="#">127TA2377</a>
	128	39,6	179	HA12I, HA15I, HA20PX	<a href="#">164TA1028</a>



FILTERS					
	Outer diameter mm	Inner diameter mm	Height mm	Used on	REF
<b>Fuel filters</b>					
	47	8	120	HA18PX, HA51SJRT, HA16/18SPX, HA46/51S, HA14TX/16TPX, HA40-4, HA16/18PX, HA46/51J	<a href="#">152TA3207</a>
	77	14,5	124	MJX990, MJX970, MJX950, HTL4017	<a href="#">138TA7358</a>
	77	14,5	72	P90-P90L-T90LX-MULTIJ, HA130TX, HA16X, HA260PX	<a href="#">152TA4138</a>
	84	14,5	130	HA260PX/HA80JT, HA20/260PX – HA61/80JRT, HA18PX/HA51SJRT	<a href="#">127TA2384</a>
	84	18,5	74	COMPACT10	<a href="#">152TA4822</a>
	87	14,5	156	COMPACT10/12X-H12/15/1, HA16DX, HA16D	<a href="#">127TA2389</a>
	87,3	19,1	71,4	H12SX(L), H15SX(L), H18SX(L)	<a href="#">164TA1058</a>
	110,5	23,2	216		<a href="#">138TA7361</a>



## SET OF FILTERS



- Air filter
- Fuel filter
- Hydraulic filter
- Oil filter

Used on Compact 10DX

**REF [138TA7373](#)**



- Air filter
- Fuel filter
- Hydraulic filter
- Inline fuel filter

Used on F3L2011, F4L2011

**REF [138TA7375](#)**



- Air filter
- Hydraulic filter
- Inline fuel filter
- Oil filter

Used on F3L2011, F4L2011

**REF [138TA7374](#)**



- Air filter
- Fuel filter
- Hydraulic filter
- Oil filter
- Repair kit fuel pump

Used on H14, H16, HA15X, HA16P, HA18P, HA20, HA26

**REF [127TA2408](#)**



- Air filter
- Fuel filter
- Hydraulic filter
- Inline fuel filter
- Oil filter

Used on H12, H15, H18

**REF [145TA4535](#)**



- Air filter
- Fuel filter
- Hydraulic filter
- Oil filter

Used on COMPACT8, COMPACT10, COMPACT12DX

**REF [145TA4538](#)**



- Fuel filter 2x
- Oil filter
- Air filter
- Hydraulic filter

Used on HA12D, HA12DE, HA12DX, HA12PX 2000

**REF [145TA4542](#)**



- Air filter
- Fuel filter
- Hydraulic filter
- Inline fuel filter
- Oil filter

Used on H12, H15, H18

**REF [127TA2417](#)**





## CHAINS



- Pitch: 12,7 mm
- Leaf chain
- Pin diameter: 5,08 mm
- Total width: 27,2 mm
- Chain length: 5620 mm

Used on HA32PX

**REF [160TA3325](#)**



- Pitch: 12,7 mm
- Leaf chain
- Pin diameter: 5,08 mm
- Total width: 27,8 mm
- Chain length: 6770 mm

Used on HA32PX

**REF [160TA2987](#)**

## CONTROL CABLES

	Cable length mm	Diameter cable mm	Sleeve length mm	Used on	REF
	2930	1,5	2840	OPTIMUM8, OPTIMUM6	<a href="#">127TA2421</a>
	3730	2	3650	COMPACT8, COMPACT10N, OPTIMUM6, OPTIMUM8	<a href="#">138TA7410</a>
	4035	2	3965	COMPACT8, COMPACT10, COMPACT14	<a href="#">138TA7411</a>
	4930	2	4855	H12SX	<a href="#">138TA7412</a>
	6025	2	5955	COMPACT12DX, COMPACT8DX, COMPACT10DX	<a href="#">138TA7413</a>
	5510	1,3	5440	H12SD, H15SD	<a href="#">160TA3364</a>



CABLE GUIDES					
	Outside dimensions mm	Inside dimensions mm	Material	Used on	REF
	94 x 64	75 x 44,5	Plastic	HA18PXNT, HA18PX, HA18P, HA16X	<a href="#">160TA3869</a>
	102,6 x 60	75 x 44	Plastic	H16TPX	<a href="#">160TA2676</a>
	90,5 x 49,5	72,4 x 34,5	Plastic	H21T, H23T, H25TP, H21TX	<a href="#">160TA3445</a>
	72,5 x 34,5	57 x 25	Plastic	HA15I, HA15D, HA15X, HA16, HA18PXNT, HA18PX, HA16PXNT, HA16P, HA18P, HA12IP, HA15IP, HA16DX	<a href="#">138TA7211</a>
	94 x 64	75 x 45	Plastic	HA15X, HA16PX, HA16PXNT, HA16P, HA15IP, HA16SPX	<a href="#">138TA7210</a>
	95 x 64	75 x 45	Plastic	HA16RTJ, HA46RTJP	<a href="#">164TA1088</a>
	95 x 64	75 x 45	Plastic	HA20P, HA20PX	<a href="#">138TA7213</a>
	98,5 x 83,5	75 x 62	Plastic	HA26PX	<a href="#">138TA7212</a>



CABLE GUIDES					
	Outside dimensions mm	Inside dimensions mm	Material	Used on	REF
	94 x 64	75 x 45	Plastic	HA16PXNT, HA15IP, HA20PX, HA16PX, HA16SPX, HA16X, HA12IP	<a href="#">138TA7215</a>
	91 x 50	75 x 34	Plastic	H21TX, H23TPX, H25TPX	<a href="#">160TA3249</a>
	93,5 x 64	75 x 44,5	Plastic	HA16(S)PX, HA18(S)PX	<a href="#">138TA7219</a>
	98 x 83,5	74,5 x 61,5	Plastic	HA26PX	<a href="#">138TA7217</a>

## PARTS OF CABLE GUIDES



- Length: 53 mm
- Width: 28 mm

Used on HA16PXNT, HA15IP, HA12CJ, HA16PX, HA16SPX, HA16X, HA20PX, HA12IP

REF [160TA4040](#)



- Length: 91,8 mm
- Width: 94,8 mm

Used on HA16PXNT, HA15IP, HA16PX, HA16SPX, HA16X, HA20PX, HA12IP

REF [160TA4084](#)



- Length: 79 mm
- Width: 93 mm

Used on H21TX, H23TPX, H25TPX

REF [160TA2645](#)



## RUBBER MOUNTS



- Type: AE-pad with oval mounting flange
- Length: 54 mm
- Overall length: 88,5 mm

Used on H43TPX, HA41PX-NT

**REF [160TA3878](#)**



- Type: AE-pad with oval mounting flange
- Length: 77 mm
- Thread: M10
- Overall length: 128,2 mm

Used on HA120PX

**REF [138TA7348](#)**



- Type: A-pad with 2 x outer thread
- Diameter: 15 mm
- Length: 10 mm
- Thread: M5
- Overall length: 30 mm

Used on HA12PX, HA15D, HA15X, HA16PX, HA18PX, HA18PXNT, HA16PXNT, HA26PX, HA20PX, H16TPX, COMPACT12DX, H12SX, COMPACT8DX, COMPACT10DX, HA32PX, H15SX, H18SX, HA16X, H43TPX, H21TX, HA16SPX, HA41PX-NT

**REF [160TA3582](#)**



- Type: A-pad with 2 x outer thread
- Diameter: 24 mm
- Length: 20 mm
- Thread: M8
- Overall length: 60 mm

Used on H12SX(L), HS5388RT(XL), HT43RTJPRO, HT132RT, H21/61RT, HT23/67RT, HA16RTJ, HA46RTJP, HA120PX, HA41/130RTJPRO, HA32RTJPRO, HA10RT, HA16RTJ, HA46RTJP, HA18PX, HA51SJRT, HA32RTJPRO, HA100RT, HA20RTJ, HA20RTJP, HT43RTJPRO, HT132RT, HT21/61RT, HT23/67RTJ, HA16/18PX, HA46/51S, H14TX-16TPX, HB40-4, HA46/51J, HA20/260PX, HA61/80J, HA16D, HA16DX, HA12I, HA15I, H25TP, H25TPX, H23T(X/P/PX), H15SD(X/E), HA32PX, HA26P, HA15X, H21T, HA46JRT

**REF [138TA7347](#)**



- Type: S-special
- Length: 92 mm
- Overall length: 152 mm

Used on HA20PX

**REF [138TA7350](#)**



- Type: Z-cone shaped pad without collar
- Diameter: 25 mm
- Overall length: 31 mm

Used on HA16PX, HA18PX

**REF [160TA2843](#)**



## SAFETY CAGE PARTS



- Length: 1106 mm
- Width: 30 mm
- Height: 1115 mm

Used on COMPACT10,  
COMPACT8W, COMPACT12

**REF [160TA3190](#)**



- Length: 1310 mm
- Width: 35 mm
- Height: 1100 mm

Used on COMPACT12DX,  
COMPACT8DX, COMPACT10DX

**REF [160TA1545](#)**



- Length: 1414 mm
- Width: 87 mm
- Height: 978,5 mm

Used on H12SD, H18DX, H15SD,  
H12SX

**REF [160TA3637](#)**



- Length: 1595 mm
- Width: 30 mm
- Height: 1115 mm

Used on OPTIMUM8, OPTIMUM6

**REF [160TA1856](#)**



- Length: 1598 mm
- Width: 343 mm
- Height: 630 mm

Used on COMPACT10,  
COMPACT10N,  
COMPACT8, COMPACT12,  
COMPACT10RTE, COMPACT8W,  
COMPACT12EN 280

**REF [160TA1280](#)**



- Length: 1598 mm
- Width: 374 mm
- Height: 630 mm

Used on COMPACT10,  
COMPACT10N,  
COMPACT8, COMPACT12,  
COMPACT10RTE, COMPACT8W,  
COMPACT12EN 280

**REF [160TA1660](#)**



- Length: 2280 mm
- Width: 30 mm
- Height: 1115 mm

Used on COMPACT8,  
COMPACT10N, COMPACT10,  
COMPACT12, COMPACT8W

**REF [160TA4046](#)**



- Length: 712 mm
- Width: 300 mm
- Height: 30 mm

Used on COMPACT10N,  
COMPACT8

**REF [160TA3202](#)**



- Length: 834 mm
- Width: 41 mm
- Height: 35 mm

Used on COMPACT10N,  
COMPACT10, COMPACT8W,  
COMPACT12, COMPACT8

**REF [160TA3926](#)**



- Length: 890 mm
- Width: 32 mm

Used on STAR10, STAR12,  
STAR11, STAR8, STAR 8

**REF [160TA3441](#)**



## SAFETY CAGE PARTS



- Length: 1920 mm
- Height: 1300 mm

Used on H12SD, H18DX, H15SD, H12SX

**REF [160TA3147](#)**



- Length: 1920 mm
- Width: 35 mm
- Height: 1300 mm

Used on H12SD, H18DX, H15SD, H12SX

**REF [160TA3039](#)**



- Length: 1414 mm
- Width: 87 mm
- Height: 978,5 mm

Used on H12SD, H18DX, H15SD, H12SX

**REF [160TA3759](#)**



- Length: 475 mm
- Width: 31 mm
- Height: 30 mm

Used on COMPACT10N, COMPACT8, COMPACT12, COMPACT10RTE, COMPACT10, OPTIMUM6, OPTIMUM8, COMPACT8W, COMPACT12EN 280

**REF [160TA3578](#)**



- Length: 2295 mm
- Width: 66,5 mm
- Height: 110 mm

Used on COMPACT10N, COMPACT8, COMPACT12, COMPACT10RTE, COMPACT10, COMPACT8W, COMPACT12EN 280

**REF [160TA3222](#)**



- Length: 2295 mm
- Width: 63, mm
- Height: 110 mm

Used on COMPACT10N, COMPACT8, COMPACT12, COMPACT10RTE, COMPACT10, COMPACT8W, COMPACT12EN 280

**REF [160TA3442](#)**



- Length: 1240 mm
- Width: 9,5 mm
- Height: 96 mm

Used on COMPACT10N, COMPACT8, COMPACT12, COMPACT8W, COMPACT10, COMPACT10RTE, COMPACT12EN 280

**REF [160TA3643](#)**



- Length: 1600 mm
- Width: 335 mm
- Height: 1100 mm

Used on COMPACT10, COMPACT8, COMPACT10N, COMPACT8W, COMPACT12, COMPACT10RTE, COMPACT12EN 280

**REF [160TA3591](#)**



- Length: 1673 mm
- Width: 35 mm
- Height: 1120 mm

Used on H12SD, H18DX, H15SD, H12SX

**REF [160TA3913](#)**



- Length: 625 mm
- Width: 165 mm

Used on COMPACT8

**REF [160TA3209](#)**



## SAFETY CAGE PARTS



- Diameter: 16 mm
- Total length: 970 mm
- Hardened: no

Used on H12SD, H18DX, H15SD, H12SX

**REF [138TA7442](#)**



- Length: 505 mm
- Width: 30 mm

Used on COMPACT10N, COMPACT8, COMPACT12, COMPACT10RTE, COMPACT10, OPTIMUM6, OPTIMUM8, COMPACT8W, COMPACT12EN 280

**REF [160TA3309](#)**



Length: 400 mm

Used on COMPACT8DX, COMPACT10DX, COMPACT12DX

**REF [160TA2947](#)**



**REF [160TA2934](#)**

## SAFETY CAGES



- Length: 1800 mm
- Height: 1340 mm

**REF [160TA3721](#)**



- Length: 990 mm
- Height: 1230 mm

Used on STAR8, STAR10

**REF [160TA2618](#)**

## LEVER



- Length: 605 mm
- Width: 260 mm
- Diameter: 12 mm

Used on H12SD, H18DX, H15SD, H12SX, H15SX, H18SX

**REF [127TA2426](#)**





SUPPORTS - PIECES OF CONNECTIONS				
	Number of holes	Material	Used on	REF
	5	Metal	COMPACT12DX, COMPACT8DX, COMPACT10DX	<a href="#">160TA2786</a>
	4	Metal	COMPACT8, COMPACT10N, COMPACT12	<a href="#">160TA3834</a>
	13	Metal	HA16PX, HA16PXNT, HA16P, HA15IP, HA16SPX	<a href="#">160TA3758</a>
	2	Metal	H12SD, H18DX, H15SD, H12SX	<a href="#">127TA2369</a>
	2	Metal	H12SD, H15SD	<a href="#">160TA1768</a>
	2	Metal	HA12PX, HA15X, HA16PX, HA18PXNT, HA18PX, HA16PXNT, HA12IP, HA15IP	<a href="#">160TA2421</a>
	2	Metal	COMPACT8, COMPACT8W, COMPACT10N, COMPACT10, COMPACT12, COMPACT12DX, OPTIMUM8, COMPACT10RTE, OPTIMUM6, COMPACT12EN 280, COMPACT10DX	<a href="#">160TA3163</a>
	28	Metal	COMPACT10, COMPACT13, COMPACT12, COMPACT8,	<a href="#">138TA7440</a>
	6	Metal	H125X(L)/HS5388RT(XL), H12SD(X/E), H15SD(X/E), H18SDX	<a href="#">127TA2371</a>
	5	Metal	HA16PXNT, HA18PXNT, HA16PX, HA16SPX	<a href="#">160TA2808</a>



WEAR PADS				
	Diameter mm	Material	Used on	REF
	140,6	Plastic	HA16SPX, HA12PX, H21T, HA15X, HA16PX, HA18PX, HA16PXNT, HA18PXNT, HA16P, HA18P, HA26PX, HA20PX, HA26P, H16TPX, HA15IP, H23T, H25TP, HA12IP, HA32PX, H21TX, HA16X	<a href="#">160TA3027</a>
	100	Plastic	STAR10, STAR 8	<a href="#">160TA3751</a>
	100	Plastic	STAR10, STAR 8	<a href="#">160TA4068</a>
	100,5	Plastic	STAR9, STAR12, STAR11, STAR6, STAR10, STAR 8, STAR 6	<a href="#">138TA7421</a>
	105	Plastic	HA12PX, HA15X, HA16PX, HA16P, HA12IP	<a href="#">160TA3354</a>
	110	Plastic	HA20P, HA26PX, HA20PX, HA26P	<a href="#">138TA7425</a>
	110	Plastic	HA12PX, HA15X, HA16PX, HA16PXNT, HA16P, HA12IP, HA15IP, HA16DX, HA16D 4X4, HA16D, HA16SPX, HA16X	<a href="#">138TA7426</a>
	120	Plastic	HA12PX, HA15X, HA16PX, HA18PX, HA16PXNT, HA18PXNT, HA16P, HA18P, HA12IP, HA15IP, HA16X, HA16SPX	<a href="#">160TA2989</a>
	140,4	Plastic	HA12PX, HA15X, HA16PX, HA16PXNT, HA16P, HA12IP, HA15IP, HA16SPX, HA16X	<a href="#">160TA3856</a>
	149	Plastic	HM8, STAR10, STAR8, HM10P	<a href="#">138TA7428</a>



WEAR PADS				
	Diameter mm	Material	Used on	REF
	150	Plastic	HA20P, HA26PX, HA20PX, HA26P, H16TPX	<a href="#">160TA1843</a>
	152	Plastic	H21T, H23T, H25TP	<a href="#">138TA7430</a>
	152	Plastic	H21T, H23T, H25TP	<a href="#">138TA7431</a>
	159	Plastic	HA32PX	<a href="#">160TA1273</a>
	16,2	Plastic	HM8, STAR10, STAR8, HM10P	<a href="#">138TA7434</a>
	44	Plastic	H16TPX, H21T, HA20P, HA26PX, HA20PX, HA26P, H23T, H25TP, H21TX	<a href="#">138TA7415</a>
	200	Plastic	HA20P, HA26PX, HA20PX, HA26P	<a href="#">138TA7432</a>
	44,4	Plastic	HA18PXNT, HA16PXNT, HA12IP, HA15IP, HA16PX, HA16SPX, HA16X	<a href="#">160TA3984</a>
	50	Plastic	HA15I, HA15D, HA15X, HA16PX, HA18PXNT, HA18PX, HA16PXNT, HA16P, HA18P, HA12IP, HA15IP, HA16DX, HA16D 4X4, HA16D	<a href="#">160TA3409</a>
	90,3	Plastic	COMPACT8, COMPACT12, COMPACT10, COMPACT10N, COMPACT8W, OPTIMUM6, OPTIMUM8, COMPACT10RTE, COMPACT12EN 280	<a href="#">160TA3953</a>



## KIT WEAR PLATE



1

2

3

- Length: 125 mm
- Piece 1: 25 x 19 mm
- Piece 2: 25 x 21 mm
- Piece 3: 25 x 10 mm

Used on HA12PX, HA15X, HA16PX, HA18PXNT, HA18PX, HA16PXNT

REF [160TA3399](#)

## ROLLERS



- Diameter roller: 45 mm
- Width roller: 20 mm
- Diameter shaft: 16 mm
- Without bushing

Used on HA16SPX, H12SD, HA16PXNT, HA18PXNT, HA26PX, HA20PX, H18DX, COMPACT12DX, H15SD, COMPACT8DX, COMPACT10DX, HA12IP, HA32PX, HA15IP, HA12CJ, H21TX, HA16PX, HA16X, H12SX

REF [160TA3814](#)



- Diameter roller: 144 mm
- Width roller: 22 mm
- Diameter shaft: 32 mm
- Without bushing

Used on COMPACT8, COMPACT10, COMPACT14, COMPACT12, OPTIMUM8, OPTIMUM6,

REF [138TA7436](#)

## STEERING RODS



- Height of the tie rod: 120 mm
- Length of the ball joint: 445 mm
- Smallest diameter cone: 27 mm
- Thread type 1, 2, 3: M24, M24, M22

Used on HTL3614, HTL3617, HTL4014, HTL4017

REF [165TA3972](#)



- Height of the tie rod: 120 mm
- Length of the ball joint: 445 mm
- Smallest diameter cone: 27 mm
- Thread type 1, 2, 3: M24, M24, M22

Used on HTL3614, HTL3617, HTL4014, HTL4017

REF [165TA3973](#)

## STEEL CABLES



- Total length: 1425 mm
- Diameter: 3,1 mm

Used on STAR6, STAR 6, LPE/STAR6P

REF [160TA2793](#)



- Total length: 1620 mm
- Diameter: 3 mm

Used on STAR10, STAR 8

REF [160TA3723](#)



## AXLE SHAFT



- Type: special flange
- Length: 146 mm
- Number of splines: 8
- Diameter splines: 40 mm
- Diameter flange: 119 mm

Used on STAR8, STAR10

**REF [138TA7315](#)**

## BALL SCREW



- Total length: 277 mm
- Diameter shaft: 42 mm
- Length of the screw: 70 mm

Used on HA120PX, HA12IP, HA33JE, HA18PX, HA51SJRT, HA16/18SPX, HA46/51S, H14TX-16TPX, HA40-4, HA16/18PX, HA46/51J, HA120PX, HA21TX/23/25TPX, HB62/68, HA51IP, HA32PX, HA26P, HA18P(X), HA51JRT, HA16P(X/D/N), HA46JRT, HA18PXNT, HA15X, HA12PX

**REF [138TA7320](#)**

## STEERING KNUCKLES



- Diameter 1: 55 mm
- Biggest inner diameter: 83 mm
- LH

Used on COMPACT8, COMPACT10, COMPACT14, COMPACT3, COMPACT12

**REF [160TA3645](#)**



- Diameter 1: 55 mm
- Biggest inner diameter: 83 mm
- RH

Used on COMPACT8, COMPACT10, COMPACT14, COMPACT12

**REF [138TA7448](#)**

## GEAR REDUCTOR



- Outer diameter: 137,8 mm
- Total height: 36,8 mm

Used on HA120PX, HA12IP

**REF [138TA7313](#)**



## DOOR HANDLES



- Length: 210 mm
- Width: 33,5 mm

Used on HA16PXNT, HA16PX, HA18PX, HA18PXNT

**REF [151TA2361](#)**



- Length: 80 mm
- Width: 29 mm

Used on HA120PX, HA15I, HA43E, HM10P, HM8, HA12I, H12SD(X/E), H15SD(X/E), H18SDX, H18SX, HS5388RT, H12SX, H3388RT, H15SX, HS4388RT, H16TPX, HB44J, HA12PX

**REF [138TA7455](#)**



- Length: 100 mm
- Width: 100 mm

Used on HTL3614-3617-4014-401, HTL3210, HLT3010/3510/4010, HTL4017

**REF [165TA3974](#)**



- Length: 110 mm
- Width: 50 mm

Used on HA12PX, H21T, HA15X, HA16PX, HA18PX, HA16PXNT, HA18PXNT, HA20P, HA16P, HA18P, HA26PX, HA20PX, HA26P, H16TPX, COMPACT12DX, COMPACT8DX, COMPACT10DX, H23T, H25TP, HA12IP, HA32PX, HA15IP-HA43JE

**REF [127TA2386](#)**



- Length: 95 mm
- Width: 22,1 mm

Used on COMPACT10DX

**REF [138TA7451](#)**



- Length: 93 mm
- Width: 34 mm

**REF [138TA7452](#)**



- Length: 50 mm
- Width: 12 mm

Used on HA16X, HA16PX, HA16SPX, H12SX, HA41PX-NT

**REF [160TA2623](#)**



- Length: 45 mm
- Thread: M6 x 16

Used on STAR10, STAR6, STAR8, STAR 8, STAR 6, LPE/STAR6P

**REF [160TA4011](#)**



## DOOR HANDLES



- Length: 80 mm
- Width: 47,6 mm
- Thread: 5,6 mm

Used on H12SX

**REF [160TA2476](#)**



- Length: 90 mm
- Width: 52 mm
- Height: 119 mm

Used on  
HTL3614-3617-4014-401,  
HTL3210, HTL3010/3510/4010,  
HTL32, HTL4017

**REF [160TA2888](#)**



- Length: 72 mm
- Width: 70,3 mm
- Height: 38,6 mm

Used on STAR10, STAR8,  
HM10P, HM8, STAR 8

**REF [160TA3831](#)**

## KEY LOCKING



Compact lock and key DX

Used on COMPACT12DX,  
COMPACT8DX, COMPACT10DX

**REF [138TA7457](#)**













PROTECTIVE COVERS				
	Length mm	Width mm	Used on	REF
	1250	800	HA12CJ, HA32CJ, HA33CJ	<a href="#">160TA2301</a>
	818,5	575	H12SD, H18DX, H12SX, H15SD, H15SX, H18SX	<a href="#">160TA3606</a>
	1650	1030	HA26PX, HA80JRT, HA20PX, HA61JRT	<a href="#">160TA2929</a>
	1570	965	HA20PX, HA260PX, HA61J, HA80J	<a href="#">160TA3338</a>
	1620	1075	HA20PX	<a href="#">160TA1831</a>
	1150	975	HA120PX, HA12PX	<a href="#">160TA2961</a>
	1300	560	HA16PX, HA18PX, HA16PXNT, HA18PXNT	<a href="#">160TA4242</a>
	1300	560	STAR10, STAR8	<a href="#">160TA3777</a>



PROTECTIVE COVERS				
	Length mm	Width mm	Used on	REF
	2025	590	COMPACT10, COMPACT10DX, COMPACT12, COMPACT12DX, COMPACT3368RT, COMPACT2668-3, COMPACT2668-336, COMPACT2668RT, COMPACT8DX, COMPACT2068RT	<a href="#">165TA3975</a>
	845	330	HA15I, HA43E, HA12I, HA12IP, HA33JE	<a href="#">160TA3713</a>
	1050	73	COMPACT12DX, COMPACT8DX, COMPACT10DX	<a href="#">160TA2758</a>
	1050	73	COMPACT10DX	<a href="#">160TA4927</a>
	1090	1045	HA16PX, HA18PX, HA16PXNT, HA18PXNT, HA16SPX	<a href="#">160TA3673</a>
	1280	490	STAR10, STAR 8	<a href="#">160TA3997</a>
	960	295	HA20PX	<a href="#">160TA2382</a>
			COMPACT10DX, 12DX	<a href="#">160TA3197</a>



PROTECTIVE COVERS				
	Length mm	Width mm	Used on	REF
	1250	680	STAR10, STAR8	<a href="#">160TA3811</a>
	1260	595	STAR10, STAR8	<a href="#">160TA3812</a>
	743	728	STAR10, STAR8, STAR 8	<a href="#">165TA3976</a>
	1250	750	STAR 8	<a href="#">165TA3977</a>
	900	680	HA120PX	<a href="#">165TA3978</a>
	1030	780	H14TPX, H16TPX	<a href="#">160TA3050</a>
	1170	1050	H16TPX	<a href="#">160TA3243</a>
	635	514	HA120PX, HA12IP, HA33JE, HA12PX	<a href="#">160TA2452</a>



PROTECTIVE COVERS				
	Length mm	Width mm	Used on	REF
	1750	1100	H16TPX	<a href="#">160TA3527</a>
	1540	980	HA26PX, HA80JRT, HA20PX, HA61JRT	<a href="#">160TA2955</a>
	835	360	HA15IP	<a href="#">160TA3195</a>
	2110	590	COMPACT10, COMPACT10DX, COMPACT12, COMPACT12DX, COMPACT3368RT, COMPACT2668-3, COMPACT2668-336	<a href="#">160TA3240</a>
	1790	550	H21T, H21TX, H23TX, H23 TP, H23TPX, H25TP, H25TPX, HB62, HB68	<a href="#">160TA3691</a>
	670	550	HA120PX, HA12IP, HA33JE, HA15IP	<a href="#">160TA4036</a>
	900	670	HA12IP, HA15IP	<a href="#">160TA3921</a>
	1550	1050	HA18P(X), HA51JRT, HA16P(X/D/N), HA46JRT	<a href="#">160TA3034</a>



GAS SPRINGS/SHOCK ABSORBERS					
	Type	Force N	Centre distance mm	Used on	REF
	Push	1150	325	HA15X, HA16PX, HA18PX, HA16PXNT, HA18PXNT, HA16P, HA18P, H16TPX, HA16X, HA16SPX	<a href="#">138TA7407</a>
	Push	200	580	HA26PX, HA20PX, HA26P, COMPACT10DX	<a href="#">138TA7408</a>
	Push	2100	540	HA32PX, H43TPX, HA41PX-NT	<a href="#">160TA3709</a>
	Push	350	485	COMPACT12DX, COMPACT8DX, COMPACT10DX	<a href="#">160TA4002</a>
	Push	500	215	HA15X, HA16P, HA18P, HA16X	<a href="#">138TA7406</a>
	Push	600	295	H23T, H25TP, H21TX, HA20PX	<a href="#">138TA7409</a>
	Push	1150	395	H14TX-16TPX, HB40-4	<a href="#">165TA3979</a>



## COVERS



- Length: 176 mm
- Width: 185,5 mm
- Height: 265 mm

Used on COMPACT8DX,  
COMPACT10DX, COMPACT12DX

**REF [160TA2485](#)**



- Length: 280 mm
- Width: 255 mm
- Height: 191 mm

Used on HA32PX

**REF [160TA1767](#)**



- Length: 658 mm
- Width: 170 mm
- Height: 180 mm

Used on COMPACT8DX,  
COMPACT10DX, COMPACT12DX

**REF [160TA3239](#)**



- Length: 719 mm
- Width: 204 mm
- Height: 176 mm

Used on H12SX, H15SX, H18SX

**REF [160TA3995](#)**



- Length: 722 mm
- Width: 170 mm
- Height: 171 mm

Used on H12SDX, H15SDX,  
H18SDX

**REF [160TA2474](#)**



- Width: 240 mm
- Height: 300 mm

Used on H12SX, H15SX, H18SX

**REF [160TA3948](#)**



## DECALS

- Length: 110 mm
- Height: 50 mm



Used on COMPACT8W, STAR12, COMPACT12, STAR10, COMPACT8, COMPACT10, STAR9, H12SX, OPTIMUM8, HM8, HA26PX, H23T, H12SD, HA12IP, HA12PX, HA15I, HA15D, H21T, HA15X, HA16PX, HA18PX, HA18PXNT, HA16PX, HA20P, HA18P, HA20PX, HA26P, H16TPX

**REF [138TA1199](#)**



- Length: 125 mm
- Height: 340 mm

Used on COMPACT8, COMPACT10, COMPACT12, COMPACT8W, OPTIMUM8, OPTIMUM6, COMPACT10N

**REF [126TA9572](#)**



- Length: 125 mm
- Height: 348 mm

Used on COMPACT8, COMPACT10, COMPACT14

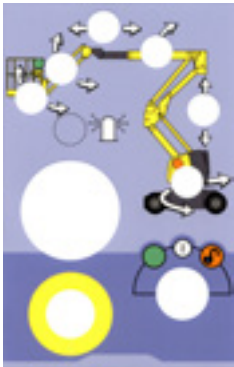
**REF [160TA4035](#)**



- Length: 125 mm
- Height: 348 mm

Used on COMPACT8, COMPACT10, COMPACT14, OPTIMUM8, OPTIMUM6

**REF [138TA7493](#)**



- Length: 140 mm
- Height: 220 mm

Used on HA12IP, HA33CJ

**REF [160TA4818](#)**



- Length: 125 mm
- Height: 348 mm

**REF [160TA3052](#)**



- Length: 230 mm
- Height: 350 mm

**REF [138TA7498](#)**



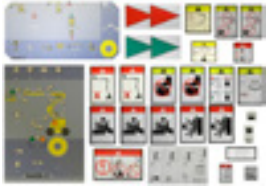
- Length: 240 mm
- Height: 294 mm

**REF [160TA3793](#)**





## DECALS



- Length: 268 mm
- Height: 385 mm

REF [138TA7499](#)



- Length: 433 mm
- Height: 103 mm

REF [160TA1818](#)



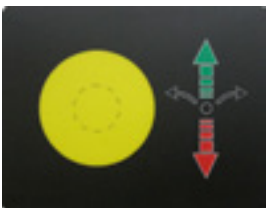
- Length: 435 mm
- Height: 104 mm

REF [160TA3884](#)



- Length: 278 mm
- Height: 385 mm

REF [160TA3432](#)



- Length: 130 mm
- Height: 100 mm

Used on H12SX(L), HS5388RT(XL), COMPACT10

REF [139TA2901](#)



- Length: 140 mm
- Height: 220 mm

Used on HA15IP, HA12IP

REF [160TA3579](#)



- Length: 161 mm
- Height: 96 mm

Used on OPTIMUM 8

REF [160TA3067](#)



- Length: 178 mm
- Height: 115 mm

Used on COMPACT8, COMPACT8W, COMPACT12, COMPACT10, H12SX, H12SD, OPTIMUM8, COMPACT10N, OPTIMUM6, H18DX, COMPACT12DX, H15SD, COMPACT8DX, COMPACT10DX, H15SX, H18SX, COMPACT10RTE, COMPACT12EN 280

REF [138TA1868](#)



## DECALS



- Length: 180 mm
- Height: 117 mm

Used on HA16P, HA12IP, HA12PX, HA15I, HA15D, HA15X, HA16PX, HA18PX, HA18PXNT, HA16PXNT, HA20P, HA18P, HA26PX, HA20PX, HA26P, HA12I, HA15IP, HA12CJ, HA120PX

**REF [126TA9634](#)**



- Length: 185 mm
- Height: 100 mm

Used on H12SX, COMPACT8DX, COMPACT10DX, COMPACT12DX, HA15IP, HA12IP, H15SX, H18SX

**REF [138TA7496](#)**



- Length: 200 mm
- Height: 93 mm

Used on COMPACT8, COMPACT12

**REF [160TA2949](#)**



- Length: 215 mm
- Height: 90 mm

Used on STAR8, STAR6, STAR10, STAR13, STAR11, STAR12, STAR9, HM10P

**REF [160TA3053](#)**



- Length: 216 mm
- Height: 96 mm

Used on STAR8, STAR6, STAR10, STAR13, STAR9, STAR8/HM10P, STAR12, STAR11

**REF [138TA3686](#)**



- Length: 220 mm
- Height: 386 mm

Used on H21TX/23/25TPX/ HB62/68

**REF [160TA2457](#)**



- Length: 220 mm
- Height: 392 mm

Used on HA260PX, HA20PX, HA120PX

**REF [160TA3602](#)**



- Length: 220 mm
- Height: 92 mm

Used on HA15IP, HA43JE, H12SX(L), HS5388RT(XL), COMPACT10, H12SX(L), HS5388RT(XL)

**REF [138TA7484](#)**



## DECALS



- Length: 225 mm
- Height: 95 mm

Used on HA12IP, HA15IP

**REF [126TA9645](#)**



- Length: 230 mm
- Height: 100 mm

Used on H12SX, COMPACT8DX, COMPACT10DX, COMPACT12DX, H15SX, H18SX

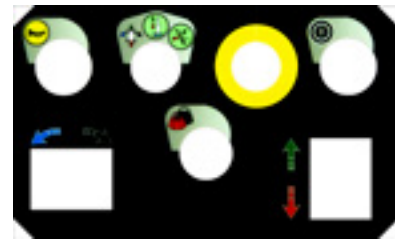
**REF [127TA2416](#)**



- Length: 230 mm
- Height: 140 mm

Used on STAR 8, STAR 10

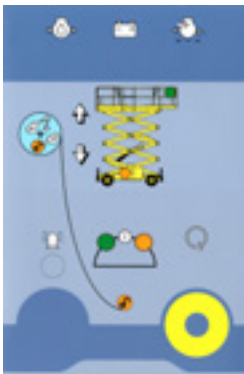
**REF [160TA3463](#)**



- Length: 230 mm
- Height: 140 mm

Used on STAR 8, STAR 10

**REF [163TA1527](#)**



- Length: 230 mm
- Height: 350 mm

Used on COMPACT10

**REF [160TA3947](#)**



- Length: 276 mm
- Height: 87 mm

Used on STAR10, STAR8, STAR 8

**REF [138TA3945](#)**



- Length: 278 mm
- Height: 385 mm

Used on HA16PX, HA16SPX, HA120PX

**REF [160TA1896](#)**



- Length: 285 mm
- Height: 90 mm

Used on HA12PX

**REF [160TA3963](#)**



## DECALS



- Length: 285 mm
- Height: 90 mm

Used on HA12PX

**REF [138TA1619](#)**



- Length: 287 mm
- Height: 78 mm

Used on OPTIMUM8, OPTIMUM6

**REF [160TA3021](#)**



- Length: 297 mm
- Height: 200 mm

Used on HA15I

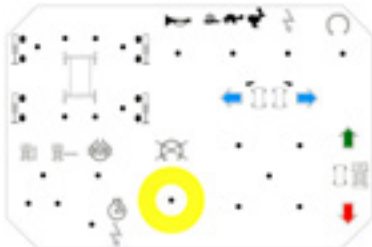
**REF [126TA9685](#)**



- Length: 400 mm
- Height: 200 mm

Used on H25TP, H25TPX, H23T(X/P/PX), COMPACT10DX, COMPACT12DX, H21T, H21TX

**REF [138TA7492](#)**



- Length: 300 mm
- Height: 200 mm

Used on COMPACT12DX, COMPACT8DX, COMPACT10DX

**REF [160TA4050](#)**



- Length: 400 mm
- Height: 200 mm

Used on HA16P, HA18P, HA16PX

**REF [126TA9595](#)**



- Length: 380 mm
- Height: 380 mm

Used on HT43RTJPRO, HT132RT, HT31/61(RT), HT23/67(RT), HA15IP, HA43JE, HA16RTJ, HA46RTJP, HA18PX, HA51SJRT, HT43RTJPRO, HT132R, H14TX-16TPX, HB40-4, HA20/260PX, HA61/80J, HA16X, HA260PX, H25TP, H25TPX, H23T(X/P/PX), H16TPX, HB44J, HA26PX, HA80JRT, HA32PX, HA20PX, HA61JRT, HA26P, HA15X, H21T, H21TX, HA15D

**REF [160TA3439](#)**



## DECALS



- Length: 380 mm
- Height: 380 mm

Used on HT43RTJPRO, HT132RT, HT21/6(RT), HT23/67(RT), HA15IP, HA43JE, HA12IP, HA33JE, HA16RTJ, HA46RTJP, HA18PX, HA51SJRT, HT43RTJPRO, HT132RT, H14TX-16TPX, HB40-4, HA20/260PX, HA61/80J, HA16X, HA260PX, H14T(X), H16TP(X), H25TP, H25TPX, H23T(X/P/PX), H16TPX, HB44J, HA32PX, HA26PX, HA80JRT, HA26P, HA15X, H21T, H21TX

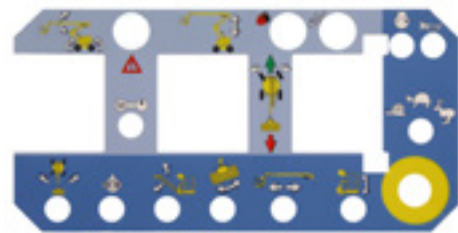
**REF [160TA3464](#)**



- Length: 39 mm
- Height: 57 mm

Used on COMPACT8, MPE/LPMSTAR6P, STAR6, STAR8, STAR10, COMPACT12, OPTIMUM8, OPTIMUM6, COMPACT10, STAR12

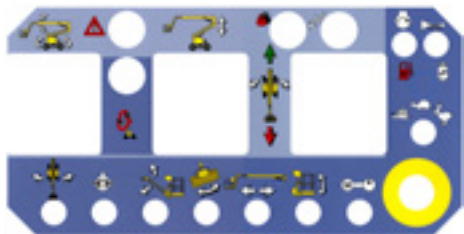
**REF [160TA4101](#)**



- Length: 400 mm
- Height: 200 mm

Used on HA16PXNT, HA16PX, HA120PX

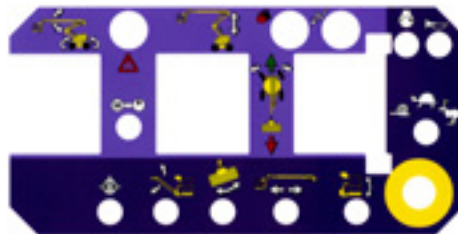
**REF [138TA7490](#)**



- Length: 400 mm
- Height: 200 mm

Used on HA20/260PX, HA61/80J, HA26PX, HA80JRT

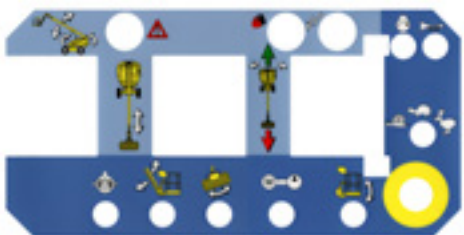
**REF [138TA7487](#)**



- Length: 400 mm
- Height: 200 mm

Used on HA16X, HA260PX

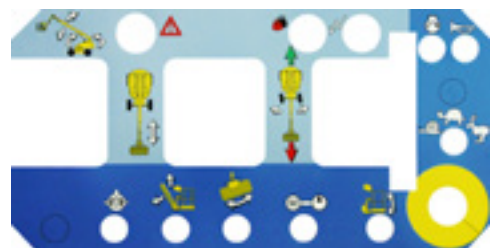
**REF [138TA7489](#)**



- Length: 400 mm
- Height: 200 mm

Used on H14TX-16TPX, HB40-4

**REF [160TA3462](#)**



- Length: 400 mm
- Height: 200 mm

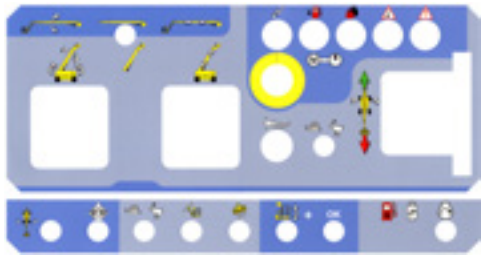
Used on H21, H23, H25

**REF [160TA3994](#)**





## DECALS



- Length: 512 mm
- Height: 202 mm

Used on H32PX

**REF [160TA3468](#)**



- Length: 435 mm
- Height: 105 mm

Used on COMPACT12, COMPACT8, COMPACT10, COMPACT8W, COMPACT10N, COMPACT10RTE, COMPACT12EN 280

**REF [160TA3865](#)**



- Length: 435 mm
- Height: 104 mm

Used on COMPACT 10DX, 12DX

**REF [160TA1842](#)**



- Length: 54 mm
- Height: 24 mm

Used on STAR10, HA16PXNT, HA12IP, HA15IP, HA16PX, STAR8, HA12CJ, STAR 8, COMPACT10DX, HA120PX, LPE/STAR6P

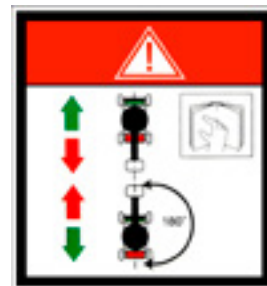
**REF [138TA3315](#)**



- Length: 65 mm
- Height: 70 mm

Used on STAR10, COMPACT12, COMPACT8, STAR6, COMPACT10N, OPTIMUM6, COMPACT10RTE, COMPACT10, COMPACT8W, OPTIMUM8, STAR 6, STAR8, COMPACT12EN 280, STAR 8, COMPACT10DX, LPE/STAR6P

**REF [160TA4086](#)**



- Length: 77 mm
- Height: 82 mm

Used on HA16P, HA12IP, HM8, HA12PX, HA15I, HA15D, H21T, HA15X, HA16PX, HA18PX, HA18PXNT, HA16PXNT, HA20P, HA18P, HA26PX, HA20PX, HA26P, H14T, H16TPX, H23T, H25TP, HA12I, HA32PX, HM10P, HA120PX

**REF [138TA7497](#)**



- Length: 84 mm
- Height: 100 mm

Used on COMPACT8W, COMPACT12, COMPACT8, COMPACT10, H12SX, H12SD, OPTIMUM8, OPTIMUM6, H18DX, COMPACT12DX, H15SD, COMPACT8DX, COMPACT10DX, COMPACT10N, H15SX, H18SX, COMPACT10RTE, COMPACT12EN 280

**REF [138TA6894](#)**



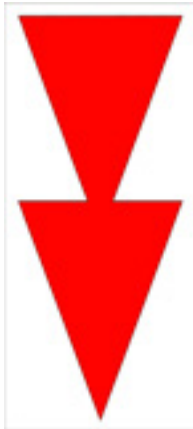
- Length: 92 mm
- Height: 135 mm

Used on COMPACT10, STAR12, COMPACT12, COMPACT8, COMPACT8W, STAR9, OPTIMUM8, STAR10, H12SD, OPTIMUM6, HA12IP, HM8, HA15I, HA16P, HA18P, H15SD, HA15IP, HA12I, STAR11, STAR8, HM10P, COMPACT10N, HA16PX, HA12CJ, COMPACT12EN 280, STAR 8

**REF [126TA9636](#)**



## DECALS



- Length: 93 mm
- Height: 210 mm

Used on HM8, HA12IP, HA15I, HA12PX, HA15D, HA16PX, HA18PX, HA18PXNT, HA16PXNT, HA16P, HA18P, HA12I, HA15IP, HM10P, HA12CJ, HA120PX

**REF [160TA4100](#)**



- Length: 93 mm
- Height: 210 mm

Used on HM8, HA12IP, HA15I, HA12PX, HA15D, HA16PX, HA18PX, HA18PXNT, HA16PXNT, HA16P, HA18P, HA12I, HA15IP, HM10P, HA12CJ, HA120PX

**REF [160TA4053](#)**



- Length: 93 mm
- Height: 138 mm

Used on STAR12, STAR9, H12SX, H12SD, STAR10, HA12IP, HM8, HA12PX, HA15I, HA15D, H21T, HA15X, HA16PX, HA18PX, HA18PXNT, HA16PXNT, HA16P, HA20P, HA18P, HA26PX, HA20PX, HA26P, H14T, H16TPX, H18DX, COMPACT12DX, H15SD, COMPACT8DX

**REF [138TA1190](#)**



- Length: 95 mm
- Height: 137 mm

Used on COMPACT10, STAR12, COMPACT8W, COMPACT12, COMPACT8, STAR10, STAR9, HM8, H12SX, OPTIMUM8, H12SD, HA12IP, HA12PX, HA15I, HA15D, H21T, HA15X, HA16PX, HA18PX, HA18PXNT, HA16PXNT, HA16P, HA20P, HA18P, HA26PX, HA20PX, HA26P, H14T, H16TPX

**REF [126TA9631](#)**



- Length: 95 mm
- Height: 137 mm

Used on STAR12, STAR10, STAR9, HM8, H12SX, H12SD, HA12IP, HA12PX, HA15I, HA15D, HA15X, HA16PX, HA18PX, HA18PXNT, HA16PXNT, HA16P, HA20P, HA18P, HA26PX, HA20PX, HA26P, H14T, H16TPX, H18DX, COMPACT12DX, H15SD, COMPACT8DX, COMPACT10DX

**REF [138TA1191](#)**



- Length: 95 mm
- Height: 140 mm

Used on HA16P, HA12IP, HA12PX, HA15I, HA15D, HA15X, HA16PX, HA18PX, HA18PXNT, HA16PXNT, HA18P, HA12I, HA15IP, HA20P, HA26PX, HA20PX, HA26P, HA12CJ, HA120PX

**REF [126TA9635](#)**



- Length: 95 mm
- Height: 140 mm

Used on COMPACT8, COMPACT10, COMPACT12, COMPACT8W, H12SX, H12SD, OPTIMUM8, OPTIMUM6, H18DX, COMPACT12DX, H15SD, COMPACT8DX, COMPACT10DX, COMPACT10N, H15SX, H18SX, COMPACT10RTE, COMPACT12EN 280

**REF [138TA6901](#)**



- Length: 95 mm
- Height: 102 mm

Used on HA15IP, HA43JE, HA12CJ(+)/32CJ(+)/33CJ, COMPACT8W, COMPACT8, COMPACT10, COMPACT12, COMPACT14, HA12IP, HA33CJ+, LPE\*LPMSTAR6P, STAR6, COMPACT10N, STAR8, HA15I, HA43E, STAR11, STAR12, STAR10, OPTIMUM8, OPTIMUM6

**REF [138TA1193](#)**





## DECALS



- Length: 95 mm
- Height: 103 mm

Used on COMPACT10, COMPACT12, COMPACT8W, COMPACT8, H12SX, OPTIMUM8, COMPACT10N, H12SD, OPTIMUM6, H18DX, COMPACT12DX, H15SD, COMPACT8DX, COMPACT10DX, H15SX, H18SX, COMPACT10RTE, COMPACT12EN 280

REF [138TA1870](#)



- Length: 95 mm
- Height: 130 mm

Used on HA15I, HA12IP, HA12PX, HA12I, HA15IP, HA12CJ

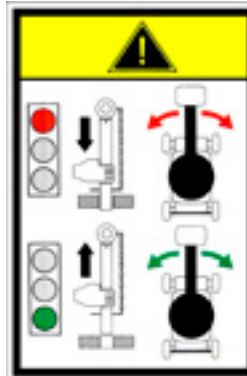
REF [126TA9623](#)



- Length: 95 mm
- Height: 137 mm

Used on HM8, STAR12, STAR10, STAR9, HA12IP, HA15I, HA12PX, HA15D, H21T, HA15X, HA16PX, HA18PX, HA18PXNT, HA16PXNT, HA16P, HA20P, HA18P, HA26PX, HA20PX, HA26P, H14T, H16TPX, H23T, H25TP, HA12I, HA15IP, STAR11, STAR8, HA32PX, HM10P, HA12CJ

REF [126TA9632](#)



- Length: 95 mm
- Height: 138 mm

Used on HA12IP, HA12PX, HA15I, HA15D, H21T, HA15X, HA16PX, HA18PX, HA18PXNT, HA16PXNT, HA16P, HA20P, HA18P, HA26PX, HA20PX, HA26P, H14T, H16TPX, H23T, H25TP, HA12I, HA15IP, HA32PX, HA120PX

REF [126TA9624](#)



- Length: 96 mm
- Height: 138 mm

Used on COMPACT10, COMPACT8, COMPACT8W, H12SX, COMPACT12, OPTIMUM8, HA26PX, HA20PX, OPTIMUM6, COMPACT8DX, COMPACT10DX, COMPACT12DX, STAR6, HA32PX, COMPACT10N, H15SX, H18SX, COMPACT10RTE, STAR 6, HA12CJ, COMPACT12EN 280, HA120PX, LPE/STAR6P

REF [138TA1880](#)



## ANTI-PUNCTURE TYRES



- Type: foam filled wheel assembly
- Tyre size: 10 x 16,5

Used on H12SD, H18DX, H12SX, H15SD, H15SX, H18SX,

**REF [141TA4887](#)** - LH  
**REF [141TA4888](#)** - RH



- Type: foam filled wheel assembly
- Tyre size: 65 x 22,5

Used on HA260PX, HA80JRT, HA20PX, HA61JRT, HA20/260PX, HA61/80J

**REF [160TA5076](#)** - LH  
**REF [160TA1876](#)** - RH



- Type: foam filled wheel assembly
- Tyre size: 26 x 12-16,5

Used on COMPACT 10DX, 12DX

**REF [160TA3149](#)** - LH  
**REF [165TA3980](#)** - RH



- Type: foam filled wheel assembly
- Tyre size: 65 x 22,5

Used on HT43RTJPRO, HT132RT, HA41/130RTJPRO, HA32RTJPRO, HA32RTJPRO, HA100RT, HA41PX/130JRT-NT

**REF [160TA2830](#)** - LH  
**REF [160TA3071](#)** - RH



- Type: foam filled wheel assembly
- Tyre size: 10,5 x 8 x 18

Used on HA120PX

**REF [160TA3516](#)** - LH  
**REF [160TA3066](#)** - RH



- Type: ecofil wheel assembly
- Tyre size: 14 x 17,5

Used on HA18PX, HA51SJRT

**REF [160TA5009](#)**



- Type: ecofil wheel assembly
- Tyre size: 14 x 17,5

Used on HA18PX, HA51FJRT

**REF [165TA3981](#)**



## PNEUMATIC TYRE KITS



- Type: ecofil wheel assembly
- Tyre size: 14 x 17,5-8

Used on HA18PX, HA51SJRT

**REF [165TA3982](#)**



- Type: pneumatic tyre
- Dimensions of the tyre: 10,5 x 8 x 18
- Ply rating: 10PR
- Brand: Armour
- Quality: TL = tubeless

Used on HA12PX, HA15D

**REF [152TA1848](#)**



Used on H12SD, H18DX, H12SX, H15SD, H15SX, H18SX

**REF [160TA3818](#)**



Used on H12SD(X/E), HS5388RT, H18SDX

**REF [160TA3653](#)**



Used on COMPACT12DX, COMPACT8DX, COMPACT10DX

**REF [160TA3232](#)**



Used on COMPACT12DX, COMPACT8DX, COMPACT10DX

**REF [160TA3220](#)**

## SOLID TYRE KITS



Diameter: 110 mm

Used on HA15IP

**REF [160TA3453](#)**



Diameter: 95 mm

Used on HM8, STAR10, STAR8, HM10P, STAR 8

**REF [138TA7511](#)**



## TRACTION WHEELS



- Diameter wheel: 314 mm
- Number of bolt holes: 2
- Width wheel: 107 mm
- Diameter shaft: 26 mm

Used on STAR6, STAR13

**REF [165TA3983](#)**



- Diameter wheel: 318 mm
- Number of bolt holes: 4
- Width wheel: 107 mm
- Diameter shaft: 28 mm

Used on OPTIMUM6, OPTIMUM8

**REF [138TA7515](#)**



- Diameter wheel: 381 mm
- Number of bolt holes: 4
- Width wheel: 127 mm
- Diameter shaft: 32 mm

Used on COMPACT8W, COMPACT10, COMPACT10, COMPACT3, COMPACT14, COMPACT10N

**REF [138TA7514](#)**



- Diameter wheel: 600 mm
- Number of bolt holes: 9
- Width wheel: 190 mm
- Diameter shaft: 200 mm

Used on HA12CJ

**REF [160TA1713](#)**



Used on HA12IP, HA33JE

**REF [165TA3984](#)**



## REDUCTOR PART



Outer diameter: 180 mm

Used on HA16X, HA16PX,  
HA16SPX

**REF [160TA3391](#)**

## REDUCTOR



- Length: 390 mm
- Width: 385 mm
- Diameter: 102 mm

Used on H21TX, HA20PX

**REF [160TA4044](#)**

## REDUCTOR HUBS



- Maximum diameter: 300 mm
- Length reductor: 250 mm
- Bolt side 1: M10 x 1,5 mm
- Bolt side 2: M16 x 2 mm

Used on H21TX, HA20PX

**REF [160TA3349](#)**



- Maximum diameter: 270 mm
- Length reductor: 280 mm
- Bolt side 1: M10 x 1,5 mm
- Bolt side 2: M14 x 1,5 mm

Used on HA12IP, HA33JE

**REF [160TA3604](#)**



AXLES/PINS					
	Diameter mm	Total length mm	Hardened	Used on	REF
	20	60	No	COMPACT10, COMPACT10N, COMPACT8W, COMPACT12, COMPACT8, STAR6, COMPACT10RTE, COMPACT12EN 280, STAR 6, LPE/STAR6P	<a href="#">138TA7376</a>
	20	93	No	H21T, HA15X, HA16PX, HA18PX, HA18PXNT, HA16PXNT, HA16P, HA20P, HA18P, HA26PX, HA20PX, HA26P, H16TPX, H23T, H25TP, HA260PX, HA16X, H21TX, HA16SPX	<a href="#">138TA7377</a>
	32	115	Yes	HA15IP, HA43JE, HA120PX, HA12IP, HA33JE, HA18PX, HA51SJRT, H14TX-16TPX, HB40-4, HA16-18PX, HA46/51J, HA16X, HA46RT, HA12PX	<a href="#">138TA7379</a>
	32	168	Yes	HA15IP, HA43JE, HA120PX, HA12IP, HA33JE, HA18PX, HA51SJRT, HA16/18SPX, HA46/51S, HA46/51J, HA16/18SPX, HA46RT, HA16PXNT, HA18PXNT, HA51JRT, HA15X, HA12PX	<a href="#">138TA7380</a>
	32	320	Yes	HA16SPX, HA12PX, HA16PX, HA18PX, HA16PXNT, HA18PXNT, HA16P, HA18P, H16TPX, HA12IP, HA15IP	<a href="#">160TA3943</a>
	40	100	No	H12SD, HA12PX, H18DX, H12SX, H15SD, H15SX, H18SX	<a href="#">160TA3998</a>
	40	178	No	HA15I, HA12I, HA12IP, HA15IP	<a href="#">138TA7381</a>
	40	190	Yes	HA15IP, HA43JE, HA120PX, HA12IP, HA33JE, HA18PX, HA51SJRT, HA16/18SPX, HA46/51S, HA120PX, HA15IP, HA16PXNT, HA46JRT, HA18PXNT, HA51JRT, HA12PX	<a href="#">138TA7378</a>
	40	118,2	Yes	HA20/260PX, HA61/80J, H21TX/23/25TPX/HB62/68, H25TP, H25TPX, H16TPX, HB44J, HA260PX, HA80JRT, HA20PX, HA61JRT, HA26P, HA20P, H26PX, HA80JRT, HA15X, HA18PX, HA51JRT, HA15X, HA16PX, HA46JRT	<a href="#">160TA3883</a>



## KNOBBS



- Outer diameter: 30 mm
- Thread: M8

Used on COMPACT10, COMPACT8W, COMPACT10, COMPACT8, STAR6, STAR13, COMPACT14, COMPACT13, COMPACT12, OPTIMUM8, OPTIMUM6, COMPACT10RTE, COMPACT10N

**REF [160TA1895](#)**



- Outer diameter: 60 mm
- Inner diameter: 26 mm
- Height: 77 mm
- Thread: M12

Used on OPTIMUM6, OPTIMUM8

**REF [160TA2371](#)**



- Outer diameter: 34 mm
- Inner diameter: 19 mm
- Thread: M8

Used on STAR 8

**REF [160TA3901](#)**

## LOCKING PIN



- Diameter pin: 8 mm
- Total length: 73 mm

Used on H12SX(L), HS5388RT(XL), HTL3614-3617-4014-401, COMPACT10, COMPACT8W, COMPACT8, COMPACT12, COMPACT14, COMPACT3, OPTIMUM8, OPTIMUM6, COMPACT10N, STAR10, HM10P, H12SD(X/E), H18SDX, COMPACT10DX, COMPACT12DX

**REF [127TA2362](#)**

## PLASTIC CAP



- Height: 16 mm
- Diameter: 39,5 mm

Used on COMPACT10N, COMPACT8W, COMPACT8, COMPACT10, COMPACT12, H12SD, OPTIMUM8, H18DX, COMPACT12DX, H12SX, COMPACT8DX, COMPACT10DX, H15SX, H18SX, COMPACT10RTE, OPTIMUM6, COMPACT12EN 280

**REF [138TA7483](#)**





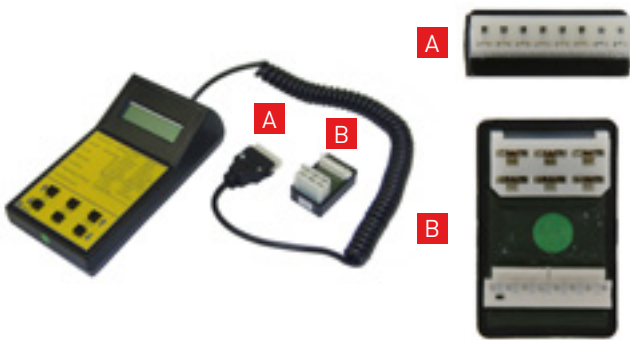
## SERVICE INTERFACE/SOFTWARE



Used on STAR, COMPACT, OPTIMUM, HA, H

REF [160TA5013](#)

## SERVICE HAND CONSOLES



- Controller type: multiple
- Type: electric machines
- Serial communication
- Type of connector: 8-pin Molex SPOX female + adapter REF 160TA3251
- Remark: comes with extra adapter

REF [160TA4048](#)

## EXTRACTION TOOL



Amperage extraction tool for Metrimate contacts

REF [138TA7243](#)



NOTES

A series of horizontal dotted lines for taking notes.



USED ON  
**JLG**



## ELECTRONIC JOYSTICKS



Dual-axis  
Used on SSV10  
**REF [145TA3098](#)**



Dual-axis  
Used on 100SX  
**REF [165TA3986](#)**



Dual-axis  
Used on TOUCAN 12E,  
TOUCAN 8E, TOUCAN 10E  
**REF [145TA3087](#)**



Dual-axis  
Used on 450A, 450AJ  
**REF [126TA5276](#)**



Dual-axis  
Used on 400S, 600A from  
serial n° 0300000000 to  
0300099999, 600SC, 800A, 600S,  
TF6-42, 601S  
**REF [126TA5185](#)**



Dual-axis  
Used on E400A, E600  
**REF [145TA2853](#)**



Single-axis  
Used on 600S, 800S, 1500SJ,  
340AJ, 1100S, 450A, 1850SJ,  
680S, 1200SJP, 800A, 1100SB  
**REF [140TA8493](#)**



Single-axis  
Used on CM2033, CM1432  
**REF [126TA4712](#)**



Single-axis  
**REF [165TA3985](#)**



Single-axis  
**REF [126TA4717](#)**



## ELECTRONIC JOYSTICKS



Single-axis  
Used on 3369 ELECTRIC  
**REF [126TA5277](#)**



Single-axis  
Used on 3369 ELECTRIC  
**REF [126TA5268](#)**



Single-axis  
Used on 3246E2, 1532E2  
**REF [126TA5213](#)**



Single-axis  
Used on 25RTS, 400RTS  
**REF [126TA5239](#)**



Single-axis  
Used on 330CRT, 260MRT,  
3369LE, 3394RT  
**REF [126TA4716](#)**



Single-axis  
Used on 30E, 30electric  
**REF [126TA5267](#)**



Single-axis  
Used on 150HAX  
**REF [139TA5043](#)**



Single-axis  
Used on 1532E3 from  
serial n° 0200000000 to  
0200999999, 3246E2, 1532E2  
**REF [126TA4715](#)**



Single-axis  
Used on 100SX, 450A, 450AJ  
**REF [126TA5275](#)**



Single-axis  
Used on 3394RT, 260MRT  
**REF [165TA3987](#)**





## ELECTRONIC JOYSTICKS



Single-axis

Used on 600A from serial n° 0300000000 to 0300099999, 600S, 400S, 800A, 601S

**REF [126TA5274](#)**



Single-axis

Used on E400A, E600

**REF [145TA2869](#)**



Single-axis

Used on TOUCAN1210, TOUCAN870, TOUCAN1010, TOUCAN800A, TOUCAN1310, TOUCAN800, TOUCAN 870

**REF [139TA5040](#)**



Single-axis

Used on 1230ES, 1930ES

**REF [139TA5045](#)**



Single-axis

Used on CM2033, CM1432

**REF [126TA5262](#)**



Single-axis

Used on 67SL

**REF [165TA3989](#)**



Single-axis

Used on 1532E

**REF [165TA3988](#)**



Single-axis

**REF [127TA2664](#)**



Single-axis

Used on 100HX-10/110HX, 40H/40H-6

**REF [126TA5270](#)**



Single-axis

Used on 400/500RTS, 25/33/40RTS

**REF [126TA5203](#)**



## ELECTRONIC JOYSTICKS



Single-axis

**REF [126TA4720](#)**



Used on 400S, 600A from serial n° 0300000000 to 0300099999, 450A, 800A, 1200SJP, 1250AJP, 800S, 600SC, 600S, 510AJ, 1500SJ, 1100S, 3508PS, 680S, 1100SB, 601S

**REF [126TA5247](#)**



Used on CM2033, CM1432

**REF [126TA5266](#)**



Used on 600SC, 100SX

**REF [126TA5271](#)**



Used on 150HAX

**REF [126TA5264](#)**



Used on 120HX

**REF [126TA5263](#)**



Used on SL153-12E

**REF [160TA4057](#)**



Used on 100SX, 400S, E300A, 450A, 600A from serial n° 0300000000 to 0300099999, 600SC, 800A, 1200SJP, E600, E45A, E400A, 1250AJP, 450AJ, 800S, 600S, 1500SJ, 1100S, 680S, 1100SB, TF6-42, 601S

**REF [126TA5189](#)**



Used on 1532E

**REF [126TA5272](#)**



Used on 600S, 400S, 600A from serial n° 0300000000 to 0300099999, 450A, 800A, 1200SJP, 1250AJP, 800S, 510AJ, 1500SJ, 1100S, 680S, 1100SB, 601S

**REF [126TA5245](#)**





## ELECTRONIC JOYSTICKS



Used on 120HX  
REF [145TA3103](#)



Used on 120HX  
REF [126TA5265](#)



Used on 40/40H-6, 60HA  
REF [126TA5261](#)



Used on TOUCAN 8E, TOUCAN 10E, TOUCAN 12E, TOUCAN 32E  
REF [165TA3991](#)



Used on 400 SC, 600 SC, 600 SJC  
REF [145TA3111](#)



REF [126TA5260](#)  
Depends on type and serial n°, for more info contact your sales advisor.



REF [125TA6974](#)  
Depends on type and serial n°, for more info contact your sales advisor.



Single-axis  
Used on G10-55A, TOUCAN 8E, TOUCAN 10E  
REF [145TA2876](#)

## ELECTRICITY CLOSETS AND BOXES



· Length: 240 mm  
· Width: 160 mm  
Used on SL153-12E  
REF [165TA3990](#)



· Length: 780 mm  
· Width: 260 mm  
Used on 450A, 800S, 510AJ, 340AJ, 100SX, 400S, 600A from serial n° 0300000000 to 0300099999, 800A, 680S, 600S, 601S  
REF [165TA3992](#)



## CONTROL BOXES



Used on 1532E  
REF [165TA3993](#)



Used on 3394RT  
REF [145TA3337](#)



Used on 1930ES  
REF [139TA5048](#)



Used on 1930ES  
REF [165TA3995](#)



Used on 3369/4069LE/  
M3669/406, 33/4069LE/M3369/  
M4, 3369/4069LE/M3369/4069  
REF [165TA3994](#)

Depends on type and serial n°, for more info contact your sales advisor.



REF [165TA3996](#)

Depends on type and serial n°, for more info contact your sales advisor.

## PROTECTIVE COVERS



- Length: 240 mm
- Width: 150 mm

Used on 266/307/266LoPro,  
20/2632ES, 1930ES, 1230ES

REF [126TA5898](#)



- Length: 250 mm
- Width: 157 mm

Used on 20/2632ES, 1930ES,  
1230ES

REF [126TA5901](#)



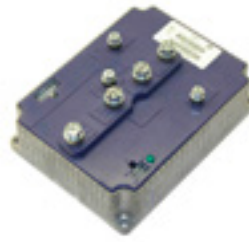
## MOTOR CONTROLLERS



- 48 V motor controller
- Dimensions: 142 x 142 mm

Used on 3369LE

**REF [165TA3997](#)**



- Control module
- Dimensions: 190 x 145 mm

Used on 1930ES, 1230ES

**REF [126TA5339](#)**



- 24 V motor controller
- Dimensions: 180 x 137 mm

Used on TOUCAN JUNIOR 4/8B,  
13MSPT/TOUCAN DUO

**REF [165TA3998](#)**



- Control, ES system module
- Dimensions: 200 x 150 mm

Used on 20/2632ES,  
1930ES, 1230ES,  
1930/2030/2630/2646/32

**REF [165TA4000](#)**



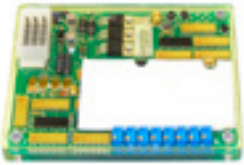
- Power MD controller
- Dimensions: 395 x 255 mm

Used on E-M450A/AJ, A/  
M400-450A/AJ/AJP/NARROW,  
E/M400-AN/AJP/AJPN, E300/  
AJ/AJP

**REF [165TA3999](#)**



PRINTED CIRCUIT BOARDS



Card circuit

Used on 26MRT, 400S, 600A from serial n° 0300000000 to 0300099999, 600SC, 600S, 800A, TF6-42, 601S



Controller ES ground board

Used on 1930ES, 1230ES



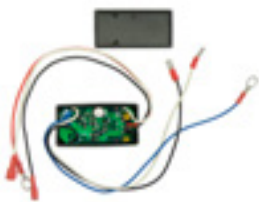
Controller power

Used on M/E600/J/JP, E/M600J/JP, E/M400-450A/AJ/AJP/NARROW, E300AJ/E300AJP



Controller, load sensing system

Used on 3076/4017PS-33.7/37.6, H340AJ, 520AJ, 3508PS/4017PS, 1930ES



Electronic relay

Used on TOUCAN1010, TOUCAN800A, TOUCAN 870



Ground control module

Used on 450A/450AJ, 1930/2030/2630/2646-3

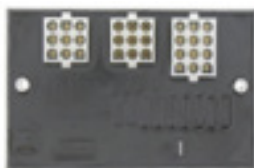


Module, ignition



Electronic card LE

Used on 3369LE, 3394RT



Used on 1532/2658E, 1532/3246E2, 1532/2658E3, 1532/1932/2033/2046/2646/2658E, 1532/1932/2032/2632/2646/3246E2



Used on (N)30/35/40/45€, 3369/3969ELECTRIC



## PRINTED CIRCUIT BOARDS

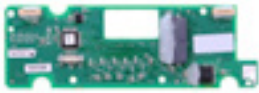


Used on 400/500RTS,  
25/33/40RTS



Battery charger LED

Used on E300A, E400A, 3369LE,  
E600, E45A, 15DVL, SSV10



Platform

Used on  
1930/2030/2630/2646/3246E,  
1932R, 1930ES, 20/2632ES



Electronic assy, platform

Used on TOUCAN 10E,  
TOUCAN 8E, TOUCAN 8/20E,  
TOUCAN 10/26E



Service kit, ground control

Used on  
3369/4069LE-M3369/406,  
3369LE/4069LE



Used on M/E600/J/JP,  
E/M600(JP)



Control RT ground module

Used on 33/4394RT



Controller E1000 w/hardware

Used on 1532/2658E, 1532/1932/  
2033/2046/2646/2658E



Access 120 elevation I/O module

Used on 15/20MSP-MVL, 10MSP

Although these electronic cards may resemble the one fitted on your mobile elevating work platform, there can be a big difference. Therefore we always ask you to supply us with part number or full vehicle details before ordering a similar unit.

This is just a small selection of our electronic cards. For all other types please feel free to call us!



## BULBS



- Base notation: BA9S
- Voltage: 28 V
- Power: 1,12 W

Used on CM1432, 1930ES, 3246E2, CM2033, CM20N, 1532E2

REF [127TA2700](#)



- Base notation: X52
- Voltage: 12-80 V
- Power: 25 W

Used on 1532E3, E300A, 1930ES, 15VPSP, 3246E2, 26MRT, 330CRT, 30E, 450A, 600SC, 3369ELECTRIC, 1532E, 3369LE, E600, E45A, E400A, 450AJ, 3394RT, T350, 510AJ, 10VP, 340AJ, 1230ES, 1532E2, 1500SJ, 1850SJ

REF [126TA6121](#)

## DASHBOARD WARNING LIGHTS



- Length: 56 mm
- Built-in diameter: 17,5 mm
- Lens colour: red

Used on CM1432, 150HAX, 1930ES, 3246E2, 26MRT, 25RTS, 120HX, 100HX, 330CRT, 260MRT, 400RTS, 3394RT, 3369LE, CM2033, CM20N, 1532E2

REF [139TA5216](#)

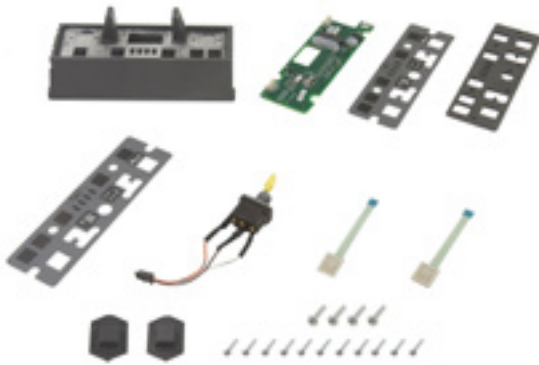


- Built-in diameter: 14 mm
- Lens colour: red

Used on 150HAX, 20AM, E600, E45A, E400A, E300A, 3369LE, TF6-42

REF [126TA5930](#)

## DASHBOARD



Platform, printed circuit board

Used on 1230ES, 1930ES

REF [165TA4001](#)





## BUZZERS/BACK-UP ALARMS



- Voltage: 12-24 V
- Volume: 107 dB
- Length: 101,5 mm
- Width: 44 mm
- Height: 72,5 mm

Used on 260MRT, 800S, 600S, 800A

**REF [165TA4002](#)**



- Voltage: 12-24 V
- Volume: 87-107 dB
- Length: 101,5 mm
- Width: 44 mm
- Height: 72,5 mm

Used on 1230ES, 1930ES, T350, 340AJ, 1850SJ, TOUCAN 12E, 400SC

**REF [165TA4004](#)**

**SAE/E-approved**



- Voltage: 12-36 V
- Volume: 107 dB
- Length: 127 mm
- Width: 76 mm
- Height: 70 mm

Used on 260MRT, 25RTS, 120HX, 100SX, 100HX, 150HAX, 330CRT, 400RTS, 800A, 3369LE, 1250AJP, 600S, 400S, 1200SJP, 800S, 600A from serial n° 0300000000 to 0300099999, 450A, 3394RT, 1500SJ, 1100SCM20N, 680S, 1100SB, 601S

**REF [155TA3350](#)**



- Voltage: 12-36 V
- Volume: 107 dB
- Length: 127 mm
- Width: 76 mm
- Height: 69 mm

Used on 600A from serial n° 0300000000 to 0300099999, 600S, 450A, 400S, 600SC, 800A, 1200SJP, 450AJ, 1250AJP, 800S, 510AJ, 1500SJ, 1100S, 680S, 1100SB

**REF [165TA4003](#)**

**SAE-approved**



- Voltage: 12-80 V
- Volume: 97 dB
- Length: 102,5 mm
- Width: 41,3 mm
- Height: 68 mm

**REF [107TA1185](#)**

**SAE-approved**





## BUZZERS/BACK-UP ALARMS



- Voltage: 12-48 V
- Volume: 68 dB
- Length: 43 mm
- Diameter: 43 mm
- Built-in diameter: 27 mm

Used on 1230ES, 1532E3 from serial n° 0200000000 to 0200999999, CM1432, 1930ES, 3246E2, 26MRT, 25RTS, 100HX, 330CRT, 260MRT, 400RTS, 400S, E300A, 600A from serial n° 0300000000 to 0300099999, 450A, 1532E, 800A, 1200SJP, 3369LE, E600, E45A, E400A, 1250AJP, 800S, 600SC

**REF [139TA5213](#)**



- Voltage: 12-48 V
- Volume: 80 dB
- Length: 43 mm
- Diameter: 43 mm
- Built-in diameter: 27 mm

Used on 120HX, 100HX, 100SX, 400S, 450A, 600A from serial n° 0300000000 to 0300099999, 600SC, 450AJ, 600S, CM20N, 800A, TF6-42, TOUCAN 12E, 601S

**REF [139TA5212](#)**



- Voltage: 6-30 V
- Volume: 90 dB
- Length: 46 mm
- Diameter: 36,3 mm
- Built-in diameter: 29 mm

**REF [128TA3427](#)**



- Voltage: 5-25 V
- Volume: 93 dB
- Length: 46 mm
- Diameter: 36,3 mm
- Built-in diameter: 29 mm

**REF [128TA3429](#)**



- Voltage: 5-30 V
- Volume: 90 dB
- Length: 46 mm
- Diameter: 36,3 mm
- Built-in diameter: 29 mm

**REF [128TA3428](#)**

## HORN



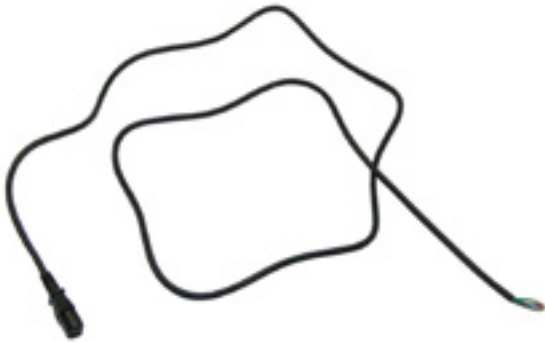
- Voltage: 24-48 V
- Volume: 110 dB
- Type of mounting: straight bracket
- Diameter: 91 mm

Used on 30E, E300A, 3369ELECTRIC, 3369LE, E600, E45A, E400A, 30electric

**REF [163TA8198](#)**



## AC CORD



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 2020 mm
- Number of plugs: 1

Used on 1230ES, 1532E3 from serial n° 0200000000 to 0200999999, 1930ES, 3246E2, T350, 1532E, E400A, 1532E2, TOUCAN 12E, 13MSPT, TOUCAN 8E, TOUCAN 10E

REF [165TA4005](#)

## SERVICE INTERFACES/SOFTWARE



- RS232 to machine cable
- The serial plug cable can be used on all JLG mobile elevating work platforms to download software or for PC analyser software
- Needed tool to connect PC to the JLG mobile elevating work platform
- This cable is a must-have to be able to configure machine settings and options

Used on 1532E

REF [164TA8214](#)



Used on 1930ES, 1230ES

REF [165TA4006](#)



CABLE LOOMS						
	Cable type mm <sup>2</sup>	Type of loom	Total length mm	Number of plugs	Used on	REF
	6	Multiple cables	2000	1	E300A, 3369LE, E400A	<a href="#">126TA4767</a>
	6	Multiple cables	8650	1	E400A	<a href="#">165TA4007</a>
	6	Multiple cables	8900	1	450A	<a href="#">126TA4775</a>
	6	Multiple cables	9100	1	450A, 450AJ	<a href="#">165TA4008</a>
	6	Multiple cables	10 390	1	450A, 510AJ	<a href="#">126TA4774</a>
	6	Multiple cables	11 225	1	510AJ	<a href="#">165TA4009</a>
	6	Multiple cables	14 100	1	600A from serial n° 0300000000 to 0300099999	<a href="#">165TA4010</a>
	6	Multiple cables	22 860	1	600SC, 600S	<a href="#">165TA4011</a>
	6	Multiple cables	28 190	1	800S	<a href="#">165TA4012</a>



CABLE LOOMS						
	Cable type mm <sup>2</sup>	Type of loom	Total length mm	Number of plugs	Used on	REF
	6	Multiple cables	3000	2	3369LE, 260MRT, 1930ES	<a href="#">165TA4013</a>
	6	Multiple cables	3580	2	1930ES	<a href="#">165TA4014</a>
	6	Multiple cables	4050	2	1930ES	<a href="#">165TA4015</a>
	6	Multiple cables	4280	2	1930ES	<a href="#">165TA4016</a>
	6	Multiple cables	7370	2	3246E2, E300A	<a href="#">165TA4017</a>
	6	Multiple cables	8100	2	1930ES	<a href="#">165TA4018</a>
	6	Multiple cables	14 830	2	1930ES	<a href="#">165TA4019</a>
	6	Multiple cables	26 820	2	3369LE	<a href="#">165TA4020</a>
	6	Multiple cables	1765	3	600A from serial n° 0300000000 to 0300099999	<a href="#">165TA4021</a>



CABLE LOOMS						
	Cable type mm <sup>2</sup>	Type of loom	Total length mm	Number of plugs	Used on	REF
	6	Multiple cables	6625	3	3394RT	<a href="#">139TA5110</a>
	6	Multiple cables	16 450	3	1532E3 from serial n° 0200000000 to 0200999999	<a href="#">126TA4771</a>
	6	Multiple cables	19 600	3	800A	<a href="#">165TA4022</a>
	6	Multiple cables	23 580	3	3369LE	<a href="#">165TA4023</a>
	6	Multiple cables	505	4	1230ES, 1930ES	<a href="#">165TA4024</a>
	6	Multiple cables	2310	4	260MRT, 1930ES	<a href="#">165TA4025</a>
	6	Multiple cables	19 760	4	260MRT	<a href="#">165TA4026</a>
	6	Multiple cables	315	5	E400A, E600	<a href="#">165TA4027</a>
	6	Multiple cables	1230	5	1930ES	<a href="#">139TA5109</a>



CABLE LOOMS						
	Cable type mm <sup>2</sup>	Type of loom	Total length mm	Number of plugs	Used on	REF
	6	Multiple cables	1240	5	1230ES	<a href="#">165TA4028</a>
	6	Multiple cables	1540	5	1930ES	<a href="#">165TA4029</a>
	6	Multiple cables	2200	8	1250AJP	<a href="#">165TA4030</a>
	6	Multiple cables	4650	8	SSV10	<a href="#">165TA4031</a>
	6	Multiple cables	7800	9	15DVL	<a href="#">165TA4032</a>
	6	Multiple cables	1540	10	1930ES	<a href="#">165TA4033</a>
	6	Multiple cables	1340	12	1930ES	<a href="#">139TA5108</a>
	6	Multiple cables	1230	16	1930ES	<a href="#">165TA4034</a>
	6	Multiple cables	3640	19	1930ES	<a href="#">165TA4035</a>



## CABLE LOOM KITS



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 3580 mm
- Number of plugs: 2

Used on 1930ES

**REF [165TA4036](#)**



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 4050 mm
- Number of plugs: 2

Used on 1930ES

**REF [165TA4037](#)**



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 4280 mm
- Number of plugs: 2

Used on 1930ES

**REF [165TA4038](#)**





## AUTOMATIC FUSES



- Type: fuse with push button
- Voltage: 50 VDC
- Current: 5 A

**REF [122TA7779](#)**



- Type: fuse with push button
- Voltage: 50 VDC
- Current: 10 A

Used on 1230ES, 30E, 100SX, 1930ES, 26MRT, 25RTS, 120HX, 100HX, 400RTS, 30electric, 3369LE, CM20N

**REF [122TA7782](#)**



- Type: fuse with push button
- Voltage: 50 VDC
- Current: 15 A

Used on CM2033, E300A, E400A, CM1432, 20AM, 330CRT, 260MRT, 1532E, E600, E45A, 1200SJP, 600SC, 600A from serial n° 0300000000 to 0300099999, 600S, 3394RT, 1500SJ, 1100S, 800S, 800A, 1100SB

**REF [122TA7783](#)**

## COMPLETE CONTACTORS

	Voltage V	Maximum current interrupted A	Maximum current uninterrupted A	Magnetic blowouts	Dust cover	Used on	REF
	12	80	200	Not specified	Enclosed version	80F, 40/40H-6, 60HA	<a href="#">126TA4730</a>
	12	100	200	Not specified	Enclosed version	800S, 150HAX, 1250AJP, 20AM, 25RTS, 120HX, 100SX, 100HX, 400RTS, 400S, 600A from serial n° 0300000000 to 0300099999, 450A, 600SC, 800A, 1200SJP, 450AJ, 600S, 3394RT, 60HA, 510AJ, 1500SJ, 1100S, 3508PS, 1044C-54 SERIES II, 1850SJ, 680S, 1100SB, 4017, 3507, 601S, 400SC	<a href="#">126TA5356</a>
	12	150	200	Not specified	Enclosed version	20AM, 100HX, AM-19	<a href="#">126TA4732</a>



COMPLETE CONTACTORS							
	Voltage V	Maximum current interrupted A	Maximum current uninterrupted A	Magnetic blowouts	Dust cover	Used on	REF
	24	100	100	Not specified	Enclosed version	1230ES, 1930ES, TOUCAN 8E, TOUCAN 10E	<a href="#">139TA5071</a>
	24	100	100	No	No	TOUCAN1010, TOUCAN800, TOUCAN910, TOUCAN870, TOUCAN800A, TOUCAN 870	<a href="#">139TA5069</a>
	24	100	125	No	IP66	1532E, 10VP, 1930ES, 15VPSP	<a href="#">126TA5358</a>
	24	100	125	No	IP66	1532E3 from serial n° 0200000000 to 0200999999, 3246E2, 1532E2	<a href="#">126TA5359</a>
	24	100	125	No	No	TOUCAN DUO, TOUCAN JUNIOR 6, TOUCAN JUNIOR 8, V1331E, 13MSPT	<a href="#">139TA5068</a>
	24	150	80	No	Yes	VM2639E, TOUCAN1210, TOUCAN1310, TOUCAN800A, TOUCAN1010, TOUCAN1100, TOUCAN870, TOUCAN800, TOUCAN861, TOUCAN910, V2039E, V2642E, VM3242E, TOUCAN1100A, TOUCAN 870	<a href="#">107TA1281</a>
	24	80	80	No	IP66	TOUCAN DUO, TOUCAN JUNIOR 6, TOUCAN JUNIOR 8, V1331E, 13MSPT	<a href="#">139TA5072</a>
	24	200	150	Not specified	Enclosed version	CM1432, CM2033, CM20N, 800A	<a href="#">111TA4054</a>



COMPLETE CONTACTORS							
	Voltage V	Maximum current interrupted A	Maximum current interrupted A	Magnetic blowouts	Dust cover	Used on	REF
	48	150	150	Yes	No	(N)30/35/40/45E, 3369/3369 ELECTRIC	<a href="#">126TA5362</a>
	48	150	150	Yes	Yes	(N)30/35/40/45E, 3369/3369 ELECTRIC	<a href="#">126TA5361</a>
	48	150	150	Yes	Yes	E300A, E600, E45A, E400A	<a href="#">165TA4039</a>
	48	150	200	Yes	Yes	E300A, E600, E45A, E400A	<a href="#">165TA4040</a>
	48	150	200	Yes	Yes	3369ELECTRIC, 30E, 30electric	<a href="#">106TA1662</a>
	48	150	200	Yes	Yes	30E, 3369ELECTRIC, 30electric	<a href="#">165TA4041</a>
	48	150	200	Yes	Yes	3369LE	<a href="#">126TA5360</a>
	48	150	200	Yes	Yes	E300A, E600, E45A, E400A	<a href="#">139TA5070</a>



## COMPLETE CONTACTOR



- Complete contactor panel
- Length: 267 mm
- Width: 216 mm
- Height: 132 mm

Used on M/E600/J/JP,  
E-M450/AJ, E300AJ/E300AJP,  
E/M400/450/AJ/AJP NARROW,  
E300A(J)(P)

**REF [165TA4042](#)**

## DISC FOR ELECTRIC BRAKE



- Outer diameter: 93 mm
- Number of splines: 11

Used on 1230ES, 1930ES

**REF [139TA5039](#)**

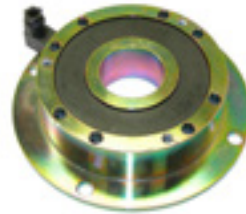
## ELECTRIC BRAKES



- Voltage: 24 V
- Outer diameter: 83,5 mm

Used on 13MSPT/ TOUCAN DUO,  
TOUCAN JUNIOR 6/8B

**REF [165TA4043](#)**



- Voltage: 24 V
- Outer diameter: 125 mm

Used on (N)30,35,40,45E,  
3369/3969 ELECTRIC

**REF [126TA5790](#)**



- Voltage: 24 V
- Outer diameter: 117 mm

Used on 1930ES

**REF [126TA5785](#)**



- Voltage: 24 V
- Outer diameter: 117 mm

Used on 1930ES, 1230ES

**REF [126TA5786](#)**



- Voltage: 24 V
- Outer diameter: 125 mm

Used on 30E, 3369ELECTRIC,  
30electric

**REF [126TA5784](#)**



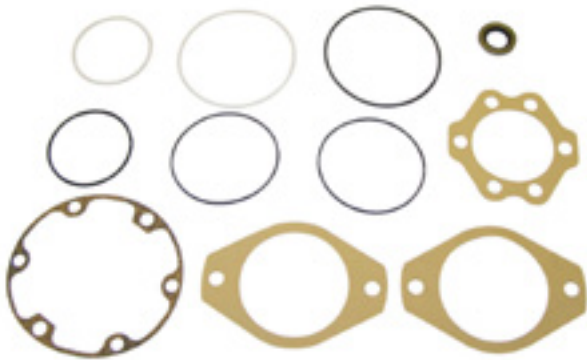
BRAKE ASSEMBLY KITS



Friction disc kit

Used on 450A, 800A, 1200SJP, 1250AJP, 400S, 800S, 510AJ, 1500SJ, 1100S, 680S, 3394RT, 1100SB

REF [165TA4044](#)



Seal kit

Used on 600A/AJ, 40H/40H-6, 60HA, 600S/600SJ/660SJ

REF [165TA4045](#)



- Repair kit
- 3 friction discs
- 2 outer plates
- Springs, bearing, o-ring and seal

Used on 30E, 3369ELECTRIC, 30electric

REF [126TA5110](#)



## CONNECTOR HOUSINGS



- Diameter: 42,97 mm
- Height: 77,70 mm
- Number of connecting holes: 14 female

Used on 520AJ, 1932R3, M/E600/J/JP, TOUCAN12/32E, TOUCAN 10E

**REF [165TA4046](#)**



- Biggest diameter: 51 mm
- Smallest diameter: 35 mm
- Height: 41 mm
- Number of connecting holes: 19 female

Used on 1850SJ, H340AJ, 520AJ, 600A/AJ, 1500AJP

**REF [126TA5511](#)**



- Biggest diameter: 24 mm
- Smallest diameter: 19 mm
- Height: 36 mm
- Number of connecting holes: 19 female

Used on 800S/860SJ, 1850SJ, H340AJ, 600A/AJ, 1932R, 1500AJP

**REF [126TA5254](#)**



- Biggest diameter: 51 mm
- Smallest diameter: 35 mm
- Height: 41 mm
- Number of connecting holes: 21 female

Used on 600A/AJ, 450A/AJ, 400S/460SJ, 600A/AJ, 1250AJP, 800A/800AJ, TF6-42

**REF [126TA5507](#)**



- Biggest diameter: 51 mm
- Smallest diameter: 37,2 mm
- Height: 41,6 mm
- Number of connecting holes: 23 female

Used on 1532/2658E, CM1432(PLUS)-2558, 1432(PLUS)-2558, 26MRT, 3369/3969 ELECTRIC

**REF [126TA5500](#)**



- Diameter: 49,32 mm
- Height: 65,28 mm
- Number of connecting holes: 23 female

Used on 600A/AJ, 450A/AJ, 400S/460SJ, 800A/800AJ, 600S/600SJ/660SJ

**REF [126TA5508](#)**



- Diameter: 49,32 mm
- Height: 65,28 mm
- Number of connecting holes: 23 female

Used on R10, R6, 6/10/1932/3248RS, LIFTLUX 203-24, 80SL, 67SL, 1532/2658E

**REF [126TA5499](#)**



- Diameter: 49,32 mm
- Height: 65,28 mm
- Number of connecting holes: 23 female

Used on 260MRT, 3394RT/4394RT, 33/4394RT, 3369/4069LE/M3369/4069

**REF [139TA5113](#)**



- Biggest diameter: 41 mm
- Smallest diameter: 37 mm
- Number of connecting holes: 31 female

Used on G15-44A, G6/42A/ G9/10-43A, 600A/AJ, 450A/AJ, 400S/460SJ, 400S/400SJ

**REF [165TA4047](#)**



Terminal dust cap

Used on 3706-4017PS/33,7/37,6, 260MRT, 33/4394RT, 3369/4069LE/M3369/4069, 80SL, 67SL, 15/20MSP/MVL

**REF [139TA5115](#)**





## CABLE GLANDS



- Length: 37,5 mm
- Thread: M20 x 1,5 mm
- Diameter: 13,5 mm

Used on 15BD/19BD, R10, R6, H340AJ, 260MRT, 520AJ, 1932R, 1500AJP, 6/10/1932/3248RS, M/E600J/JP, 530LRT

**REF [165TA4050](#)**



- Length: 37,5 mm
- Thread: M20 x 1,5 mm
- Diameter: 13,5 mm

Used on 40H/40H6, 60HA, 150HAX, 120HX, 100SX/110SX/110SXJ/120SXJ, 100HX, 100HX-10/110HX, H340AJ, 3706-4017PS/33,7/37,6

**REF [165TA4051](#)**

## RELAYS

	Type	Voltage V	Type of voltage	Current A	Used on	REF
	General purpose and power relay	12	DC	3	600A/AJ, 450A/AJ, 400S/400SJ, 400S/460SJ, 600A/AJ, 800A/800AJ	<a href="#">124TA4693</a>
	General purpose and power relay	24	DC	10		<a href="#">165TA4048</a>
	Mini-relay	12	DC	25/30	120HX, 100HX, 800A, 600S, 3394RT	<a href="#">116TA5658</a>
	Mini-relay	12	DC	40	E400A, 3369LE, E600, E45A	<a href="#">136TA8356</a>
	Mini-relay	12	DC	40/30	3369LE, E400A, E600	<a href="#">111TA5038</a>
	Mini-relay	12	DC	40/30	800S, 150HAX, 9MP, 20AM, 120HX, 100SX, 100HX, 400RTS, 400S, T350, 450A, 600A from serial n° 0300000000 to 0300099999, 600SC, 800A, 1200SJP, 1250AJP, 450AJ, 600S, 3394RT, 510AJ, G5-18A, 1500SJ, 340AJ, 1100S, 3508PS, L2906H, AM-19, G9-43A, 3706 PS, 266, 534D-9, 544D, 680S, G6-42A, G10-55A, 1100SB, TF6-42, 4017, 3507, TOUCAN 12E, 601S	<a href="#">111TA5022</a>





RELAYS						
	Type	Voltage V	Type of voltage	Current A	Used on	REF
	Mini-relay	12	DC	40/30	260MRT, 800S, 150HAX, 9MP, 20AM, 26MRT, 25RTS, 120HX, 100SX, 100HX, 330CRT, 400RTS, 400S, 450A, 600A, 600SC, 800A, 1200SJP, 1250AJP, 450AJ, 600S, 3394RT, 60HA, 510AJ, 1100S, AM-19, CM1432, 680S, 1100SB, TF6-42, 601S	<a href="#">165TA2593</a>
	Mini-relay	24	DC	20/15	CM2033, CM1432, 15VPSP, 3246E2, 1532E, 10VP, CM20N, 1532E2	<a href="#">111TA5005</a>
	Mini-relay	24	DC	40/30	VM2639E, TOUCAN1210, TOUCAN1010, TOUCAN1100, TOUCAN800A, TOUCAN1310, TOUCAN JUNIOR 6, TOUCAN800, TOUCAN910, TOUCAN DUO, TOUCAN JUNIOR 8, V1331E, V2039E, VM1931E, V2642E, VM3242E, TOUCAN860, TOUCAN1100A, 13MSPT	<a href="#">155TA1911</a>
	Printed circuit board relay	24	DC	8/8	TOUCAN1010, TOUCAN800, TOUCAN861, TOUCAN910, V2039E, V2642E, VM2639E	<a href="#">165TA4049</a>
	General purpose and power relay	12	DC	5	150HAX, 26MRT, 120HX, 100HX, 400S, 450A, 600A, 600SC, 800A, 450AJ, 60HA, 600S, TF6-42, 601S	<a href="#">122TA7897</a>
	General purpose and power relay	48	DC	10	E400A, 30E, 3369ELECTRIC, E45A, 30electric	<a href="#">165TA2639</a>
	Heavy-duty relay	12	DC	75	100SX, T350, 450A, 600A, 600SC, 800A, 450AJ, 400S, 266, 3394RT, 600S, 3508PS, L2906H, 8042, G9-43A, SKYTRAK 6036, G5-18A, 534D-9, 544D, G6-42P, 644E-42, G5-19A, G6-42A, G10-55A, SKYTRAK 6042, TF6-42, 4017, 3507, 601S	<a href="#">111TA5010</a>
	Mini-relay	12	DC	40/30	120HX, 100SX, 100HX, L2906H, 8042, 3614RS, SKYTRAK 6036, 1044C-54 SERIES II, 644E-42, SKYTRAK 6042, EIRV T56, MMV	<a href="#">106TA2681</a>



## TIMER RELAYS



- For 12 V machines
- 7-sec

Used on 450A/AJ, 400S/460SJ, 800A/800AJ, TF6-42, 600S/600SJ/660SJ, 600A/AJ

**REF [126TA5372](#)**



- For 12 V machines
- 7-sec

**REF [165TA4058](#)**

## ELECTRIC MOTORS

	Minimum voltage V	Current A	Revolutions/ minute Rpm	Power kW	Direction of rotation	Used on	REF
	12	220	2600	1,4	CW	TOUCAN DUO, 13MSPT	<a href="#">139TA5037</a>
	12	230	2600	1,4	CW	1930ES	<a href="#">165TA4052</a>
	24		2500		CW	30E, 30electric	<a href="#">139TA5036</a>
	24		3300		CW	1930ES	<a href="#">165TA4053</a>
	24	150		1	CW	E/M400, 450A/AJ/AJP NARROW, E/M45A/AJ-EM40AJP/ZJP NARROW	<a href="#">165TA4054</a>



ELECTRIC MOTORS							
	Minimum voltage V	Current A	Revolutions/ minute Rpm	Power kW	Direction of rotation	Used on	REF
	24		2600		CW	120HX, 100HX, 150HAX, 400RTS, 600S	<a href="#">165TA4055</a>
	24		3600		CW	800S, 450A, 800A, 400S, 600S, 600A from serial n° 0300000000 to 0300099999, 3394RT	<a href="#">165TA4056</a>
	48	102	2700	1,6	CW	1100S, 800S, 680S, 1200SJP, 1100SB	<a href="#">165TA4057</a>
	48	40			CW	TOUCAN1010, TOUCAN800A	<a href="#">122TA7775</a>

## PART FOR ELECTRIC MOTOR



Cover kit

Used on 1230ES, 1930/2030/2630/2646/3246ES

REF [139TA5035](#)



## CARBON BRUSHES



- Thickness: 15,9 mm
- Width: 24,7 mm
- Height: 33 mm

Used on E/M400/450A/AJ/AJP/  
NARROW, H340AJ, E/M600J(JP),  
3369LE/4069LE/M3369/M4069

**REF [165TA4059](#)**



- Thickness: 16 mm
- Width: 24,5 mm
- Height: 33,5 mm

Used on 800S, 600SC, 450A,  
800A, 1200SJP, 1250AJP,  
450AJ, 400S, 600A from  
serial n° 0300000000 to  
0300099999, 600S, 3394RT,  
510AJ, 1500SJ, 340AJ, 1100S,  
680S

**REF [126TA6206](#)**

## BRUSH KITS



- Thickness: 10 mm
- Width: 24,9 mm
- Height: 23 mm
- Set of 4 brushes, 4 brush-spring and nuts

Used on E300A

**REF [116TA5477](#)**



- Thickness: 7 mm
- Width: 22 mm
- Height: 19,3 mm
- Set of 8 brushes, 8 brush springs and nuts

Used on 3369LE, E600

**REF [121TA2338](#)**



- Thickness: 7,8 mm
- Width: 27,8 mm
- Height: 30,5 mm
- Set of 4 brushes

Used on 1930ES

**REF [121TA2443](#)**



- Thickness: 9,5 mm
- Width: 20,5 mm
- Height: 28,5 mm
- Set of 4 brushes

Used on E300A, E45A, E400A

**REF [121TA2263](#)**



- Thickness: 9,9 mm
- Width: 32,8 mm
- Height: 23 mm
- Set of 4 brushes, 4 brush-spring and nuts

Used on 1532E3 from serial n° 0200000000 to 0200999999,  
CM2033, CM1432, 3246E2, 1500SJ, 1532E, 800A, 1532E2,  
1850SJ

**REF [151TA2139](#)**



## GEARS



- Outer diameter: 108 mm
- Total height: 161 mm
- Number of teeth: 20
- Number of splines: 23

Used on 800A, 600S

**REF [165TA4060](#)**



- Outer diameter: 110 mm
- Total height: 151 mm
- Number of teeth: 16/23

Used on 1200SJP, 1250AJP, 1500SJ, 1100S, 1100SB

**REF [165TA4063](#)**



- Outer diameter: 158,5 mm
- Total height: 30,2 mm
- Number of teeth: 34

Used on 450A, 510AJ

**REF [165TA4061](#)**



- Outer diameter: 183 mm
- Total height: 191 mm
- Number of teeth: 20/37

Used on 450A, 510AJ

**REF [165TA4064](#)**



- Outer diameter: 83 mm
- Total height: 120 mm
- Number of teeth: 15

Used on 400S, 800S

**REF [165TA4062](#)**



SERVO MOTORS



Voltage: 12 VDC

**REF [139TA5152](#)**



Voltage: 20 VDC

Used on 800A, 800S, 400S, 600SC, 600A from serial n° 0300000000 to 0300099999, 450A, 600S, 1500SJ, 1100S, 680S, 1200SJP, 3394RT, 1100SB, 400SC

**REF [126TA5351](#)**



Voltage: 24 V

Used on 150HAX, 25RTS, 120HX, 100SX, 100HX, 400RTS

**REF [139TA5038](#)**



Voltage: 24 VDC

**REF [165TA4065](#)**

ACTUATOR ASSEMBLY KIT



Voltage: 24 VDC

Used on TOUCAN JUNIOR 6, TOUCAN JUNIOR 8, V1331E, TOUCAN DUO, 13MSPT

**REF [126TA5353](#)**



## BATTERY DISCONNECT SWITCHES



- Current: 300–2500 A (5 sec)
- 1-pole (2 connections)

Used on SL153-12E, 67SL

**REF [141TA2235](#)**



- Current: 20–125 A (15 sec)
- 1-pole (2 connections)

Used on CM2033, CM1432, 25RTS, 120HX, 100HX, 400RTS, CM20N

**REF [146TA2449](#)**

## CONTACT BLOCKS



- Voltage: 600 V
- Current: 3 A
- NO contact

Used on TOUCAN1210, P25AC, TOUCAN1010, TOUCAN870, TOUCAN800A, TOUCAN1310, P21, P30, P20, P25, TOUCAN800, TOUCAN861, TOUCAN910, TOUCAN DUO, TOUCAN JUNIOR 6, TOUCAN JUNIOR 8, V1331E, TOUCAN 12E, TOUCAN 870, 13MSPT, TOUCAN 8E, TOUCAN 10E, P30AC

**REF [139TA5100](#)**



- Voltage: 400 V
- Current: 10 A
- NO contact

Used on VM2639E, P25, P40, P21, P20, P30, TOUCAN JUNIOR 6, TOUCAN800, V2039E, VM1931E, V2642E, VM3242E, 30E, 150HAX, 26MRT, 25RTS, 120HX, 100HX, 400RTS, E300A, 450A, 600A from serial n° 0300000000 to 0300099999, 3369ELECTRIC, 800A, 450AJ, 30electric, 600S

**REF [139TA5101](#)**



- Voltage: 600 V
- Current: 10 A
- NC contact

Used on TOUCAN1210, P25AC, TOUCAN1010, TOUCAN870, 600SC, TOUCAN800A, TOUCAN1310, P21, P30, P20, P25, TOUCAN800, TOUCAN861, TOUCAN910, TOUCAN DUO, TOUCAN JUNIOR 6, TOUCAN JUNIOR 8, V1331E, 3507, TOUCAN 12E, TOUCAN 870, 13MSPT, TOUCAN 8E, TOUCAN 10E, P30AC

**REF [139TA5102](#)**





## CONTACT BLOCK HOLDERS



- Length: 46,5 mm
- Width: 30 mm
- Height: 15,8 mm

Used on TOUCAN860, VM2639E, P40, TOUCAN1100, P21, P20, P30, P25, TOUCAN1010, TOUCAN JUNIOR 6, TOUCAN800, TOUCAN861, TOUCAN910, TOUCAN JUNIOR 8, V2039E, VM1931E, V2642E, VM3242E, TOUCAN1100A

**REF [138TA7184](#)**



- Length: 42 mm
- Width: 30 mm
- Height: 12 mm

Used on 800S, TOUCAN1210, P25AC, TOUCAN870, TOUCAN1010, TOUCAN800A, TOUCAN1310, P21, P30, P20, P25, TOUCAN800, TOUCAN861, TOUCAN910, TOUCAN DUO, TOUCAN JUNIOR 6, TOUCAN JUNIOR 8, V1331E, 600A from serial n° 0300000000 to 0300099999, E300A, 150HAX, 100SX, 25RTS, 120HX, 100HX, 400RTS, 400S, 450A, 600SC, 800A, 1200SJP, E600, E45A, E400A, 1250AJP, 30E, 450AJ

**REF [161TA2034](#)**

## FOOT SWITCHES



- Number of NC contacts: 0
- Number of NO contacts: 1

Used on SSV10

**REF [165TA4066](#)**



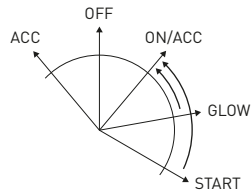
- Number of NC contacts: 2
- Number of NO contacts: 2

Used on 450A, 1250AJP, 800A, 800S, 400S, 1200SJP, 600SC, 600S, 600A from serial n° 0300000000 to 0300099999, 510AJ, 1500SJ, 340AJ, 1100S, 680S, 1100SB

**REF [147TA1642](#)**



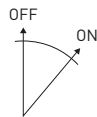
## IGNITION SWITCHES



- Number of connections: 12
- Number of positions: 5
- Built-in diameter: 26 mm
- Total length: 87 mm
- Key: yes

Used on 3614/4017RS, 308-4017PS, 3706-4017PS/33,7/37,6

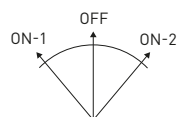
**REF [139TA5091](#)**



- Number of connections: 3
- Number of positions: 2
- Built-in diameter: 22 mm

Used on 9MP, 20AM, SSV10

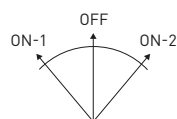
**REF [141TA2527](#)**



- Number of connections: 4
- Number of positions: 3
- Built-in diameter: 19 mm

Used on 1532/2658E, 1532/2658E3

**REF [126TA4751](#)**



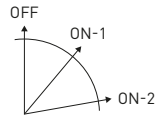
- Number of connections: 4
- Number of positions: 3
- Built-in diameter: 22 mm

Used on 1532E3 from serial n° 0200000000 to 0200999999, 3246E2, 1532E, 10VP

**REF [110TA3077](#)**



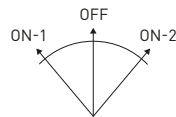
## IGNITION SWITCHES



- Number of connections: 4
- Number of positions: 3
- Built-in diameter: 22 mm

Used on 1532E3 from serial n° 0200000000 to 0200999999, 3246E2, 10VP

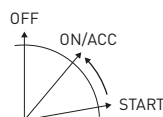
**REF [116TA5612](#)**



- Number of connections: 6
- Number of positions: 3
- Built-in diameter: 19 mm

Used on CM1432, 120HX, 450A, 600A from serial n° 0300000000 to 0300099999, 800A, 450AJ, 600S

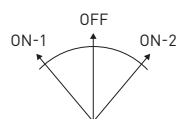
**REF [126TA4749](#)**



- Number of connections: 6
- Number of positions: 3
- Built-in diameter: 22 mm

Used on (N)30/35/40/45E, 3369/3969 ELECTRIC

**REF [126TA4753](#)**



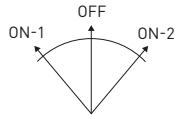
- Number of connections: 6
- Number of positions: 3
- Built-in diameter: 22 mm

Used on 800S, 1230ES, E300A, E400A, 1930ES, 3246E2, 120HX, 100SX, 330CRT, 260MRT, 400S, T350, 600A from serial n° 0300000000 to 0300099999, 600SC, 450A, 800A, E600, E45A, 1250AJP, 450AJ, 1200SJP, 600S, 3394RT, 510AJ, 1500SJ, 340AJ, 1850SJ, 680S, 601S

**REF [116TA5613](#)**



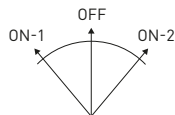
## IGNITION SWITCHES



- Number of connections: 6
- Number of positions: 3
- Built-in diameter: 22 mm

Used on 1230ES, 600A from serial n° 0300000000 to 0300099999, 1930ES, 15VPSP, 25RTS, 330CRT, 260MRT, 400RTS, T350, 450A, 1200SJP, 3369LE, E600, 1250AJP, 600SC, 600S, E400A, TOUCAN DUO, 510AJ, 67SL, 1500SJ, 340AJ, 1100S, 10VP, 1532E2, 1850SJ, 680S, 800A, 800S, 3394RT, 1100SB, TF6-42, TOUCAN 12E, 13MSPT, TOUCAN 8E, TOUCAN 10E, 601S, 400SC

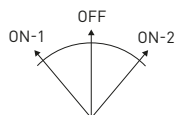
**REF [126TA4752](#)**



- Number of connections: 6
- Number of positions: 3
- Built-in diameter: 22 mm

Used on 150HAX, 100HX, 400RTS

**REF [123TA5706](#)**



- Number of connections: 8
- Number of positions: 3
- Built-in diameter: 22 mm

Used on 43185

**REF [110TA3015](#)**



KEYS FOR IGNITION/DOOR LOCK				
	Key number	Number of supplied keys	Used on	REF
	14603	1	642/943/1043, (L)2906H/3507H/619A/723A, 266/307/266 LoPro, 1055/1255, 3507-09/12/13_4007/09/12/13, 4017, G5-19A/G6-23A	<a href="#">129TA3359</a>
	14603	2		<a href="#">139TA5092</a>
	45	1		<a href="#">123TA9738</a>
	9901	1		<a href="#">141TA3339</a>
	9901	2	1532E3 from serial n° 0200000000 to 0200999999, 20AM, 3246E2, 26MRT, 10VP, E300A, 330CRT, 800A, TF6-42	<a href="#">152TA1733</a>
	9901	2	800S, 1230ES, 600A from serial n° 0300000000 to 0300099999, 1532E3 from serial n° 0200000000 to 0200999999, 150HAX, E400A, 1930ES, 9MP, 15VPSP, 3246E2, 120HX, 100SX, 260MRT, 400RTS, 400S, T350, 450A, 600SC, 3369ELECTRIC, 1532E, 800A, 1200SJP, 3369LE, E600, E45A, 1250AJP, 30E, 450AJ	<a href="#">141TA3415</a>
	455	2	X26JP/1-X770AJ, X17JP/2-X500AJ/2, X23J/JA/700AJ, X17J/3/4, X14J/2-X39AJ/3, X20JP/X600AJ, X19J/19JA/550AJ	<a href="#">126TA5400</a>



OPERATING HEADS							
	Number of positions	Built-in diameter mm	Key number	Material	Used on	REF	
						Without key	With key
	2	22	455	Metal	CM20N/CM20W, 100HX/100HX+10/110HX	<a href="#">165TA3960</a>	<a href="#">163TA8493</a>
	2	22	455	Metal		<a href="#">151TA2204</a>	<a href="#">163TA8493</a>
	3	22	421E	Metal	TOUCAN1210, TOUCAN1010, TOUCAN870, TOUCAN800A, TOUCAN1310, TOUCAN800, TOUCAN DUO, TOUCAN JUNIOR 6, TOUCAN JUNIOR 8, V1331E, TOUCAN 870	<a href="#">139TA5090</a>	<a href="#">129TA4269</a>
	3	22	455	Metal	CM2033, CM1432, 25RTS, 400RTS	<a href="#">138TA7121</a>	<a href="#">163TA8493</a>
	3	22	455	Metal		<a href="#">138TA7123</a>	<a href="#">163TA8493</a>
	3	22	455	Plastic		<a href="#">128TA3048</a>	<a href="#">163TA8493</a>
	3	22	455	Metal	1532E3 from serial n° 0200000000 to 0200999999, 1532E2	<a href="#">138TA7110</a>	<a href="#">110TA3210</a>
	3	22	455	Metal	150HAX, 100SX, 25RTS, 100HX	<a href="#">139TA5089</a>	<a href="#">110TA3210</a>
	3	22	455	Metal		<a href="#">138TA7111</a>	<a href="#">110TA3210</a>



## LIMIT SWITCHES



- Number of NC contacts: 2
- Current: 4 A

Used on SL153-12E, 67SL

**REF [147TA1708](#)**



- Number of NC contacts: 2
- Current: 6 A

Used on VM2639E, TOUCAN1210, TOUCAN1310, TOUCAN1010, TOUCAN800A, TOUCAN1100, TOUCAN870, TOUCAN800, TOUCAN861, TOUCAN910, TOUCAN DUO, TOUCAN JUNIOR 6, TOUCAN JUNIOR 8, V1331E, V2039E, V2642E, VM3242E, TOUCAN860, TOUCAN1100A, TOUCAN 870, 13MSPT

**REF [139TA5077](#)**



- Number of NO contacts: 1
- Number of NC contacts: 1

Used on 1250AJP

**REF [147TA1671](#)**



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 0,1 A

Used on TOUCAN 12E, TOUCAN 8E, TOUCAN 10E

**REF [161TA8364](#)**



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 3 A

Used on 1230ES, 1930ES

**REF [139TA5083](#)**



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 3 A

Used on 9MP, 15VPSP, 3246E2, 1532E3 from serial n° 0200000000 to 0200999999, 10VP, 1532E2

**REF [147TA1714](#)**





## LIMIT SWITCHES



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 3 A

Used on 13MSPT, TOUCAN 8E

**REF [139TA5080](#)**



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 3 A

Used on 1532E3 from serial n° 0200000000 to 0200999999, 26MRT, 1532E, 10VP

**REF [146TA2573](#)**



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 3 A

Used on 1532E3 from serial n° 0200000000 to 0200999999, CM1432, 150HAX, 26MRT, 25RTS, 120HX, 100HX, 100SX, 400RTS, 3369ELECTRIC, 1532E

**REF [126TA5450](#)**



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 3 A

**REF [139TA5081](#)**



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 3 A

**REF [147TA5295](#)**



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 3 A

Used on TOUCAN 8E, TOUCAN 10E, TOUCAN 12E, TOUCAN 20E, TOUCAN 26E, TOUCAN 32E

**REF [165TA4067](#)**



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 4 A

Used on 260MRT, 450A, 1250AJP, 3369LE, 400S, 1200SJP, E300A, E400A, 3394RT, 510AJ, 340AJ, 1100S, 1100SB

**REF [147TA1667](#)**



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 4 A

Used on 100SX, EASI-CLADDER, 600A from serial n° 0300000000 to 0300099999, 600SC, 800A, 1200SJP, E600, 800S, 400S, CM2033, 600S, 1250AJP, 1500SJ, 1100S, CM1432, 680S, 1850SJ, 1100SB, 601S

**REF [126TA5420](#)**



## LIMIT SWITCHES



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 4 A

Used on 3246E2, 26MRT, 25RTS, 330CRT, 400RTS, 30E, E300A, 450A, 1532E, 1200SJP, 1532E3 from serial n° 0200000000 to 0200999999, E45A, E400A, 450AJ, 30electric, 400S, 510AJ, 1532E2

**REF [146TA8931](#)**



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 6 A

Used on 1930ES, 1200SJP, 1250AJP

**REF [126TA5419](#)**



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 6 A

Used on 1930ES

**REF [146TA8997](#)**



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 6 A

Used on TOUCAN800A, TOUCAN800, TOUCAN DUO, TOUCAN JUNIOR 6, TOUCAN JUNIOR 8, V1331E, 13MSPT

**REF [139TA5076](#)**



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 6 A

Used on TOUCAN1100, TOUCAN1310, TOUCAN1010, TOUCAN JUNIOR 6, TOUCAN910, VM1931E, TOUCAN1100A, TOUCAN 10E

**REF [139TA5075](#)**



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 10 A

Used on 600S, CM2033, 120HX, 150HAX, 400S, 450A, 600A from serial n° 0300000000 to 0300099999, 800A, E600, 1250AJP, 450AJ, 800S, 1200SJP, 1500SJ, CM20N, CM1432, 1100SB, 400SC

**REF [126TA5411](#)**



## LIMIT SWITCHES



**Kit:**

- Number of NO contacts: 2
- Number of NC contacts: 2
- Current: 3 A

Used on 1930ES

**REF [139TA5085](#)**



**Kit:**

- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 3 A

Used on 1230ES

**REF [165TA4068](#)**

## MEMBRANE SWITCH



Keypad with silicone buttons

Used on 15/20DVL/15/20DVSP

**REF [139TA5226](#)**



## MICROSWITCHES



- Number of connections: 3
- Number of CO contacts: 1
- Current: 5 A

**REF [139TA5078](#)**



- Number of connections: 3
- Number of CO contacts: 1
- Number of connection holes: 2
- Current: 11 A

**REF [147TA1684](#)**



- Number of connections: 3
- Number of CO contacts: 1
- Number of connection holes: 2
- Current: 15 A

Used on 100SX, 100HX, 450A, 600A from serial n° 0300000000 to 0300099999, 600SC, 1532E, 450AJ, 600S, TF6-42

**REF [146TA4199](#)**



- Number of connections: 3
- Number of CO contacts: 1
- Number of connection holes: 2
- Current: 15 A

Used on 600S, 450A, 600A from serial n° 0300000000 to 0300099999, 450AJ, 1500SJ, 340AJ, 1100S, E400A, 800S, 1850SJ, 680S, 1200SJP, 800A, E600, 1100SB

**REF [127TA2546](#)**



- Number of connections: 3
- Number of CO contacts: 1
- Number of connection holes: 2
- Current: 20 A

Used on 150HAX, 30E, 120HX, 100SX, 100HX, E300A, 600A from serial n° 0300000000 to 0300099999, 600SC, 450A, 800A, 1200SJP, E600, E45A, E400A, 1250AJP, 450AJ, 800S, 400S, 600S, 30electric, 510AJ, 1500SJ, 340AJ, 1100S, 1850SJ, 680S, 1100SB, 601S, 400SC

**REF [146TA9924](#)**



- Number of connections: 3
- Number of CO contacts: 1
- Number of connection holes: 2
- Current: 3 A

Used on 3246E2, 26MRT, 1532E2

**REF [146TA8728](#)**



- Number of connections: 3
- Number of CO contacts: 1
- Number of connection holes: 2
- Current: 5 A

Used on TOUCAN800A, TOUCAN1210, TOUCAN1010, TOUCAN 870

**REF [139TA5082](#)**



MICROSWITCHES



- Number of connections: 3
- Number of NO contacts: 2
- Number of connection holes: 4
- Current: 16 A

Used on 1532-2658E, 1432(PLUS)-2558, SQ CONTROLS, (N)30,35,40,45E, 26MRT, 150HAX

**REF [126TA5207](#)**



- Number of connections: 4
- Number of NC/NO contacts: 1/1
- Number of connection holes: 4
- Current: 0,5 A

Used on 30E, 3369ELECTRIC

**REF [145TA9782](#)**



- Number of connections: 4
- Number of NO contacts: 2
- Current: 16 A

Used on 600S, E400A, 100SX, 400S, E300A, 450A, 600A from serial n° 0300000000 to 0300099999, 800A, 1200SJP, E600, E45A, 1250AJP, 450AJ, 800S, 510AJ, 1500SJ, 1100S, 680S, 1100SB, TF6-42, 601S

**REF [126TA5228](#)**



## MUSHROOMHEAD PUSH BUTTONS



- Built-in diameter: 21,5 mm
- Diameter knob: 40 mm

**REF [138TA7140](#)**



- Built-in diameter: 22 mm
- Diameter knob: 40 mm

Used on 15DVL, SSV10

**REF [138TA7139](#)**



- Built-in diameter: 22 mm
- Diameter knob: 40 mm

Used on 600A/AJ, 450A/AJ, 40H/40H+6, 800A/800AJ

**REF [160TA3323](#)**



- Built-in diameter: 28 mm
- Diameter knob: 40 mm

Used on TOUCAN870, TOUCAN861, TOUCAN 870

**REF [161TA2131](#)**



- Built-in diameter: 28,3 mm
- Diameter knob: 40 mm

Used on TOUCAN JUNIOR 8, TOUCAN JUNIOR 6, R10, R6, H340AJ

**REF [160TA4095](#)**



- Built-in diameter: 22,5 mm
- Diameter knob: 40 mm

Used on 1532E3 from serial n° 0200000000 to 0200999999, CM2033, CM1432, 30E, 150HAX, 3246E2, 26MRT, 25RTS, 120HX, 100HX, 400RTS, E300A, 450A, 600A from serial n° 0300000000 to 0300099999, 1532E, 800A, 3369ELECTRIC, 450AJ, 30electric, 600S, 1532E2

**REF [126TA4758](#)**



- Built-in diameter: 28,5 mm
- Diameter knob: 40 mm

Used on 800S, 30E, 3369ELECTRIC, 30electric, 26MRT, 600A from serial n° 0300000000 to 0300099999, 1532E, 600S, 1230ES, 1532E3 from serial n° 0200000000 to 0200999999, E300A, 150HAX, E400A, 1930ES, 3246E2, 25RTS, 120HX, 100SX, 100HX, 330CRT, 260MRT, 400RTS, 400S, T350, 450A from serial n° 00001 to 99

**REF [139TA5098](#)**



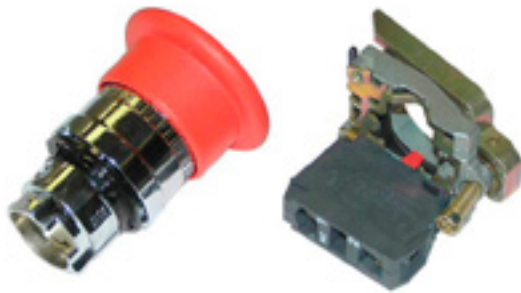
## COMPLETE MUSHROOMHEAD PUSH BUTTONS



- Built-in diameter: 22 mm
- Current: 10 A
- Voltage: 400 V

Used on 600A/AJ, 450A/AJ, 450A/AJ, 800A/AJ

**REF [147TA1659](#)**



- Built-in diameter: 28,3 mm
- Current: 10 A
- Voltage: 400 V

Used on (N)30/35/40/45E, 3369/3969 ELECTRIC, 600A/AJ

**REF [160TA3682](#)**

## EMERGENCY STOP SWITCH



- Maximum contact voltage: 96 V
- Current: 250 A
- Magnetic blowouts: no
- Dust cover: no

Used on TOUCAN 870,  
TOUCAN 861

**REF [165TA4069](#)**





## PUSH BUTTONS



- Diameter: 29,8 mm
- Length: 29,8 mm
- Button colour: green

Used on TOUCAN1210, P25AC, TOUCAN1010, TOUCAN870, TOUCAN800A, TOUCAN1310, P21, P30, P20, P25, TOUCAN800, TOUCAN861, TOUCAN910, TOUCAN DUO, TOUCAN JUNIOR 6, TOUCAN JUNIOR 8, V1331E, TOUCAN 870, 13MSPT, P30AC

**REF [165TA4070](#)**



- Diameter: 39 mm
- Length: 28 mm
- Button colour: black

Used on JUNIOR 6/8B, 13MSPT/TOUCAN DUO, P30 AC/DC, TOUCAN 1210, TOUCAN 1310, TOUCAN 870

**REF [138TA7153](#)**

## COMPLETE PUSH BUTTONS

	Built-in diameter mm	Length mm	Button colour	Used on	REF
	22	44	Green		<a href="#">164TA1139</a>
	17	14	Black	15/20MSP/MVL, 10MSP, R10, R6, 260MRT, T350/T500J, 1932R, 6RS/10RS/1932RS/3248RS, 530LRT, TOUCAN 12/32E, TOUCAN 10E, TOUCAN 8E	<a href="#">139TA5097</a>
	16	31,5	Grey	600S, 800S, 1230ES, 1532E3, E400A, 1930ES, 3246E2, 26MRT, 100SX, 330CRT, 260MRT, 400S, 450A, E300A, 600A, 600SC, 1532E, 800A, 1200SJP, 3369ELECTRIC, 3369LE, E600	<a href="#">126TA5409</a>
	16	30,5	Yellow	120HX, CM20N, 8042	<a href="#">126TA4746</a>
	16	34	Red	CM2033, CM1432, 150HAX, E400A, 9MP, 20AM, 25RTS, 120HX, 100HX, 400RTS, 30E, 3369ELECTRIC, 1200SJP, E600, E45A, 30electric, 1500SJ, 1100S, CM20N, 1850SJ, 1100SB	<a href="#">126TA5215</a>



PRESSURE CONTACTS							
	Thread	Connection	Switch mode	Pressure bar	Length mm	Used on	REF
	M18	Fixed connector	Multiple, different or with signal	10	66		<a href="#">165TA4071</a>
	1/4" BSP conical	2 x blade	NO	32	60	13MSPT	<a href="#">165TA4072</a>
	7/16" UNF	Connector	NO	35,2	75	E300A, 3369LE, E600, E45A, E400A	<a href="#">126TA5408</a>
	M10	1 blade	NC	0,5	43,5	600A from serial n° 0300000000 to 0300099999, 450A, 600SC, 800A, 450AJ, 400S, 600S, 601S	<a href="#">126TA5405</a>
	1/8" BSP conical	Screw	NC	0,6	34,5	H340AJ, 260MRT, 530LRT, 340AJ	<a href="#">126TA5406</a>
	7/16" UNF	4 x blade	Change over	13,8	100	1500SJ, 1100S, 1250AJP, 1200SJP, 1850SJ, 1100SB	<a href="#">165TA4073</a>
	M18	2 x blade	Signal	0,4	75	800S, 600A from serial n° 0300000000 to 0300099999, 450A, 800A, 1200SJP, 1250AJP, 400S, 600SC, 3394RT, 600S, 510AJ	<a href="#">165TA4074</a>
	1/8" NPT	1 screw	Signal	1	79,5	450A, 800S, 600S, 800A	<a href="#">139TA5094</a>
	1/4" BSP	4 x blade	Signal	100-400	81,8	SL153-12E, 67SL	<a href="#">165TA4075</a>



## ROTARY SWITCHES



- Number of positions: 2
- Built-in diameter: 22 mm

Used on 450A, 450AJ

**REF [126TA5438](#)**



- Number of positions: 2
- Built-in diameter: 22 mm

Used on (N)30/35/40/45E,  
3369/3969ELECTRIC

**REF [126TA5435](#)**



- Number of positions: 2
- Built-in diameter: 22 mm

Used on 800S, 400S, 600A  
from serial n° 0300000000 to  
0300099999, 600SC, 450A, 800A,  
1200SJP, 1250AJP, 600S, 510AJ,  
1500SJ, 340AJ, 1100S, 1850SJ,  
680S, 1100SB, TF6-42, 400SC

**REF [126TA4761](#)**



- Number of positions: 2
- Built-in diameter: 22 mm

Used on E300A, E600, E45A,  
E400A

**REF [126TA5393](#)**



- Number of positions: 2
- Built-in diameter: 22 mm

Used on 1230ES, 1532E3  
from serial n° 0200000000 to  
0200999999, 1930ES, 3246E2,  
26MRT, 25RTS, 400RTS,  
3369ELECTRIC, 3369LE, 1532E2,  
260MRT

**REF [138TA7168](#)**



- Number of positions: 2
- Built-in diameter: 22 mm

Used on 260MRT, JUNIOR  
6/8B, 13MSPT/TOUCAN DUO,  
TOUCAN 1210, TOUCAN 1310,  
V133E, TOUCAN JUNIOR 8

**REF [138TA7171](#)**



- Number of positions: 3
- Built-in diameter: 21 mm

**REF [151TA2359](#)**



- Number of positions: 3
- Built-in diameter: 21 mm

Used on TOUCAN 1210,  
TOUCAN 1310, TOUCAN 870,  
TOUCAN 861, TOUCAN 1010,  
TOUCAN 800A/800D,  
TOUCAN 910

**REF [160TA4051](#)**



## ROTARY SWITCHES



- Number of positions: 3
- Built-in diameter: 21,7 mm

Used on TOUCAN1210, TOUCAN1010, TOUCAN870, 600SC, TOUCAN800A, TOUCAN1310, TOUCAN800, TOUCAN861, TOUCAN910, TOUCAN 870

**REF [151TA2425](#)**



- Number of positions: 3
- Built-in diameter: 21,7 mm

Used on TOUCAN 800, TOUCAN 860, TOUCAN 910, TOUCAN 1100, V2039E, V2642E, VM3242E, VM2639E

**REF [139TA5105](#)**



- Number of positions: 3
- Built-in diameter: 28,5 mm

Used on VM2639E, TOUCAN1100, TOUCAN1010, TOUCAN800, TOUCAN910, V2039E, V2642E, VM3242E, TOUCAN860, TOUCAN1100A

**REF [165TA3962](#)**

## RUBBER BELLOWS SWITCH



- Green rubber cap for push button
- Diameter: 28 mm
- Length: 14 mm

Used on 1230ES, T350, 3394RT, 67SL, 1930ES, TOUCAN 12E, TOUCAN 8E, TOUCAN 10E, 260MRT, SSV10

**REF [126TA5457](#)**



- Diameter: 20,5 mm
- Thread: M20
- Length: 24,5 mm

Used on TOUCAN 1210, TOUCAN 1310, TOUCAN 861, TOUCAN 1010, TOUCAN DUO

**REF [139TA5088](#)**



- Thread: SLW17
- Length: 23 mm

Used on 800S, 25RTS, 100SX, 400RTS, 400S, 450A, 600A from serial n° 0300000000 to 0300099999, 600SC, 800A, 1200SJP, 1250AJP, 450AJ, 600S, 510AJ, 1500SJ, 340AJ, 1100S, 1850SJ, 680S, 1100SB, TF6-42, 601S

**REF [126TA5440](#)**



## STEERING COLUMN SWITCH



Forward reverse with 4 speed

Used on SL153-12E

**REF [139TA5104](#)**

## TEMPERATURE SWITCHES



Length: 61 mm

Used on 800A, 800S, 400S, 600SC, 600A from serial n° 0300000000 to 0300099999, 450A, 600S, 1500SJ, 1100S, 680S, 1200SJP, 3394RT, 1100SB, 400SC

**REF [165TA4076](#)**



- Thread: M10/M16
- Voltage: 12 V
- Length: 43,5 mm

Used on 450A

**REF [165TA4077](#)**



- Thread: M14 x 1,5 mm
- Voltage: 6-24 V
- Switch temperature: 130 ± 3 °C
- Maximum temperature: 150 °C
- Length: 80 mm

Used on 450A, 600A from serial n° 0300000000 to 0300099999, 600SC, 800A, 450AJ, 400S, 600S, 601S

**REF [160TA9502](#)**



- Thread: M14 x 1,5 mm
- Voltage: 6-24 V
- Switch temperature: 130 ± 3 °C
- Maximum temperature: 150 °C
- Length: 80 mm

Used on 800S, 400RTS, 600A from serial n° 0300000000 to 0300099999, 450A, 800A, 1200SJP, 400S, 600SC, 3394RT, 600S, 510AJ

**REF [160TA2159](#)**



TOGGLE SWITCHES						
	Positions	Number of connections	Maximum voltage V	Current A	Used on	REF
	On-none-on	1	250	12	800S, E400A, 120HX, 400RTS, T350, E300A, 1200SJP, E600, E45A, 1250AJP, 1500SJ, 340AJ, 1100S, 3508PS, 450A, 3706 PS, 1850SJ, 680S, 800A, 600S, 1100SB	<a href="#">126TA5396</a>
	Off-(on)-none	2	250	10	330CRT, 260MRT, 3369LE, 3394RT	<a href="#">126TA5395</a>
	On-none-off	2	250	15	3394RT, 67SL	<a href="#">126TA5394</a>
	Off-(on)-none	2	250	12	1930ES, 330CRT, 260MRT, 3369LE, 3394RT	<a href="#">126TA5391</a>
	On-off-none	2	250	12	CM2033, 150HAX, CM1432, 120HX, 100HX, CM20N	<a href="#">126TA5392</a>
	On-off-none	2	277	15	800S, 1230ES, 600A from serial n° 0300000000 to 0300099999, 1532E3 from serial n° 0200000000 to 0200999999, CM2033, E300A, CM1432, E400A, 100SX, 1930ES, 3246E2, 120HX, 330CRT, 260MRT, 400S, 30E, T350, 450A, 3369ELECTRIC, 1532E, 800A, 1200SJP, 3369LE, E600, E45A	<a href="#">147TA1660</a>
	On-none-on	3	250	12	CM2033, CM1432, 26MRT, 100SX, 400RTS, 600A from serial n° 0300000000 to 0300099999	<a href="#">126TA4745</a>



TOGGLE SWITCHES						
	Positions	Number of connections	Maximum voltage V	Current A	Used on	REF
	(On)-off-(on)	3	250	12	CM2033, CM1432, 30E, 15VPSP, 26MRT, 25RTS, 120HX, 100SX, 100HX, 400RTS, 400S, 450A, 600A from serial n° 0300000000 to 0300099999, 600SC, 3369ELECTRIC, 800A, 450AJ, 800S, 30electric, 600S, 10VP, 67SL, TF6-42, 601S	<a href="#">126TA4743</a>
	On-off-on	3	250	15	530LRT, 3394/4394RT, LIFTLUX203-24, 67SL, 80SL	<a href="#">147TA1666</a>
	Speciaal	6	250	10	CM2033, CM1432, 400RTS	<a href="#">145TA1955</a>
	(On)-off-(on)	6	250	12	400S/450AJ, 400S/460SJ, 600A/AJ, LIFTLUX 203-24	<a href="#">126TA5389</a>
	On-off-on	6	250	12	260MRT, 600A/AJ, 740AJ, 600SC/SJC, 450A/AJ, 400S/460SJ	<a href="#">126TA4744</a>
	On-off	2	250	10		<a href="#">147TA1694</a>
	On-none-off	2	250	12	800S, 1230ES, E400A, 450A, 3246E2, 26MRT, 25RTS, 120HX, 100SX, 400RTS, 400S, 600A from serial n° 0300000000 to 0300099999, 600SC, 800A, 1200SJP, E600, E45A, 1250AJP, 450AJ, 600S, 510AJ, 1500SJ, 340AJ, 1100S, 1532E2, 1930ES, 680S, 1850SJ, 1100SB, 601S	<a href="#">147TA2739</a>
	On-none-off	2	250	12		<a href="#">147TA2739</a>





TOGGLE SWITCHES						
	Positions	Number of connections	Maximum voltage V	Current A	Used on	REF
	On-off-on	3	250	10	VM2639E, TOUCAN1210, TOUCAN1010, TOUCAN1100, TOUCAN870, TOUCAN800A, TOUCAN1310, TOUCAN800, TOUCAN861, TOUCAN DUO, V2039E, VM3242E, TOUCAN1100A, TOUCAN 870, 13MSPT	<a href="#">139TA5086</a>
	On-none-on	3	250	12	600SC, 150HAX, CM1432, CM2033	<a href="#">146TA1783</a>
	(On)-off-(on)	3	250	12	80F	<a href="#">126TA5380</a>
	(On)-off-(on)	3	250	12	CM1432(PLUS)-2558, CM2033/2046/2546/255, 100HX/100HX+10/110HX	<a href="#">126TA5385</a>
	On-off-on	6	250	10	80F, 40H/40H+6, 544D, 534D-9/10, CM20N/CM20W	<a href="#">145TA1947</a>
	(On)-off-(on)	6	250	12	1230ES, 1930ES	<a href="#">126TA5388</a>
	(On)-off-(on)	6	250	6	TOUCAN1010, TOUCAN910, V2642E, TOUCAN1210, TOUCAN870, TOUCAN800A, TOUCAN1310, TOUCAN800, TOUCAN 870	<a href="#">139TA5087</a>



## TOGGLE COVER



Switch guard for toggle switch

Used on 80F, 40H/40H+6, 60HA, CM20N/CM20W, 120HX, 8042/10042/1005

**REF [151TA2363](#)**

## SWITCH ACCESSORIES



- Mount switch
- Length: 83 mm
- Width: 65 mm
- Height: 56,8 mm

Used on 260MRT, 3369/4069LE/M3369/4069, 33/4069LE-M33/4069, 3369/4069LE/M3369/M4069

**REF [165TA4078](#)**



- Switch guard
- Length: 33 mm
- Width: 21,9 mm
- Height: 28,7 mm

Used on 25RTS, 100HX, 400RTS, 450A, 600A from serial n° 0300000000 to 0300099999, 800S, 3394RT, 600S, 800A

**REF [126TA5461](#)**

## ENCODER



- Diameter shaft: 4,8 mm
- Housing diameter: 30 mm
- Number of pins: 2

Used on (N)30/35/40/45E, 3369/3969 ELECTRIC

**REF [124TA9515](#)**

## LOAD CELLS



Length: 145 mm

Used on 150HAX, 3508PS, 3706 PS, 4017, 3507, 600A from serial n° 0300000000 to 0300099999

**REF [139TA5067](#)**



- Length: 132,5 mm
- Width: 31,8 mm

Used on 3369LE, 260MRT, 1930ES

**REF [126TA5354](#)**



- Length: 144 mm
- Width: 31,7 mm

Used on E300A, E45A, E400A

**REF [126TA4727](#)**



## POTENTIOMETERS



- Turning angle of shaft: 100 mm
- Cable length: 150 mm
- Number of connections: 3

Used on 1930ES

**REF [125TA2685](#)**



- Turning angle of shaft: 100 mm
- Cable length: 130 mm
- Number of pins: 3

Used on 1250AJP, 1200SJP, 1500SJ, 1100S, 1100SB, TOUCAN 12E, TOUCAN 8E, TOUCAN 10E

**REF [138TA8393](#)**



- Turning angle of shaft: 90 mm
- Cable length: 175 mm
- Number of connections: 3

Used on 800S, 1200SJP, 450A, 800A, 1250AJP, 400S, 600SC, 600A from serial n° 0300000000 to 0300099999, 600S, 3394RT, 510AJ, 1500SJ, 1100S, L2906H, 680S, 1100SB, 400SC

**REF [138TA8585](#)**

## PROXIMITY SENSORS



- Height: 14,5 mm
- Switch type: NO
- Voltage: 100 VDC

Used on 260MRT, 530 LRT, 3394RT/4394RT, 33/4394RT, 3369/4069LE/M3369/4069

**REF [126TA4728](#)**



- Height: 62 mm
- Diameter: 18 mm
- Switch type: DC PNP NO
- Voltage: 12-48 VDC

Used on 400S/400SJ, 510AJ, 450A/450AJ

**REF [139TA5066](#)**



- Height: 65 mm
- Diameter: 18 mm
- Switch type: PNP NO
- Voltage: 10-30 VDC

Used on 150HAX, 800A

**REF [165TA4079](#)**



- Height: 72 mm
- Diameter: 18 mm
- Switch type: DC 3 wire PNP NO
- Voltage: 12-48 VDC

Used on T350, 1250AJP, 1500SJ, 1850SJ, TOUCAN 12E, TOUCAN 8E, TOUCAN 10E

**REF [165TA4080](#)**



## PROXIMITY SENSORS



- Height: 74 mm
- Diameter: 18 mm
- Switch type: DC 3 wire PNP NO
- Voltage: 12-48 VDC

Used on 260MRT, 3394RT, 1930ES, 3369LE

**REF [165TA4081](#)**



- Height: 35,2 mm
- Diameter: M18 x 1,5 mm
- Voltage: 8-30 VDC

Used on 400S/400SJ, 510AJ, 450A/450AJ

**REF [165TA4084](#)**



- Height: 70 mm
- Diameter: M18 x 1 mm
- Voltage: 10-30 VDC

Used on 800S, 600SC, 600S, 680S

**REF [165TA4082](#)**



- Height: 33,3 mm
- Diameter: M8 x 1 mm
- Voltage: 12-24 VDC

Used on 800A

**REF [126TA5348](#)**



- Height: 61,9 mm
- Diameter: M12 x1 mm
- Voltage: 12-48 VDC

Used on 600SC, 600S, 601S

**REF [126TA5349](#)**



- Height: 59 mm
- Diameter: 9/16UN-32 G
- Voltage: 4,5-8,5 VDC

Used on E600

**REF [165TA4085](#)**



- Height: 58,8 mm
- Diameter: 9/16UN-32 G
- Switch type: PNP NO
- Voltage: 12-24 VDC

Used on 450A

**REF [165TA4083](#)**



## TILT SENSORS



- Height: 90 mm
- Diameter: 100 mm
- Detection: 2°

Used on 30E, 450A, 3369ELECTRIC, 30electric

**REF [126TA4726](#)**



- Height: 130 mm
- Diameter: 97 mm
- Detection: 2°

Used on TOUCAN870, TOUCAN800A, TOUCAN800, TOUCAN861, TOUCAN 870

**REF [126TA5333](#)**



- Height: 114 mm
- Diameter: 97 mm
- Detection: 3°

Used on (N)30/35/40/45E, 450A/450AJ

**REF [115TA2145](#)**



- Height: 114 mm
- Diameter: 97 mm
- Detection: 4,5°

Used on 3394RT, 260MRT

**REF [126TA5331](#)**



- Height: 16,9 mm
- Diameter: 96,7 mm
- Detection: 0°/3°

Used on SL153-12E, 67SL

**REF [139TA5064](#)**



- Height: 16,9 mm
- Diameter: 96,7 mm
- Detection: 0°/1°

Used on TOUCAN1210, TOUCAN1310, TOUCAN1100, TOUCAN1010, TOUCAN JUNIOR 6, TOUCAN861, TOUCAN910, TOUCAN JUNIOR 8, VM1931E, TOUCAN DUO, V1331E

**REF [139TA5061](#)**



- Height: 85 mm
- Diameter: 63 mm
- Detection: 1,9°/1,9°

Used on 26MRT, 25RTS, 400RTS

**REF [165TA4086](#)**



- Height: 17,5 mm
- Diameter: 70 mm
- Detection: 1,9°/1,9°

Used on TOUCAN 8E, TOUCAN 10E

**REF [126TA5329](#)**



## TILT SENSORS



- Height: 58,5 mm
- Diameter: 85 mm
- Detection: 1,9°/1,9°

Used on 1200SJP, 1250AJP,  
1500SJ, 1100S

**REF [139TA5059](#)**



- Height: 28 mm
- Diameter: 49,5 mm
- Detection: 2°

Used on 1930ES

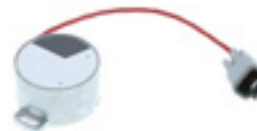
**REF [139TA5060](#)**



- Height: 45 mm
- Diameter: 79 mm
- Detection: 2°

Used on 9MP, 3246E2, 1532E2

**REF [165TA4087](#)**



- Height: 28 mm
- Diameter: 49,5 mm
- Detection: 2°

Used on 1532E3 from  
serial n° 0200000000 to  
0200999999, 3246E2, 1532E,  
10VP, 1532E2

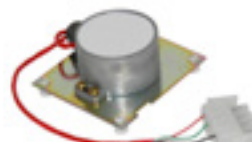
**REF [165TA4088](#)**



- Height: 29,5 mm
- Diameter: 49,5 mm
- Detection: 2°

Used on 1500SJ, 1850SJ,  
1200SJP, 1100SB

**REF [139TA5058](#)**



- Height: 30 mm
- Diameter: 50 mm
- Detection: 2°

Used on CM1432, 3246E2,  
400RTS, 3369ELECTRIC, 1532E2

**REF [139TA5062](#)**



- Height: 28 mm
- Diameter: 50 mm
- Detection: 2°

Used on 740AJ, 800A/800AJ

**REF [139TA5065](#)**





## LEVEL DETECTORS



Total length: 350 mm

Used on 330CRT, 1200SJP,  
1250AJP, 800S, 400S, 1500SJ,  
680S, 1100SB

**REF [165TA4089](#)**



Total length: 770 mm

Used on 450A, 600A from  
serial n° 0300000000 to  
0300099999, 600SC, 800A,  
450AJ, 600S, 1532E3 from  
serial n° 0200000000 to  
0200999999, 510AJ

**REF [126TA5350](#)**



## BATTERY DISCHARGE INDICATORS

**BAUSER**



- Voltage: 24 V
- Built-in diameter: 33 x 22 mm
- With lock-out

Used on E300A, CM1432, 30E, 3369ELECTRIC, E600, E45A, E400A, 30electric, CM2033, CM20N

**REF [126TA5514](#)**

**CURTIS**



- Voltage: 24 V
- Built-in diameter: 52 mm
- With lock-out
- Curtis 803 series

Used on 800A, 600SC, 600A from serial n° 0300000000 to 0300099999, 600S, 3394RT, 450A, 450AJ, 601S

**REF [160TA9324](#)**

INDICATORS & HOUR METERS



- Voltage: 24 V
- Built-in diameter: 56,5 mm

Used on VM2639E, TOUCAN1210, TOUCAN1010, TOUCAN1100, TOUCAN870, TOUCAN800A, TOUCAN1310, TOUCAN800, TOUCAN861, TOUCAN DUO, V2039E, VM3242E, TOUCAN860, TOUCAN1100A, TOUCAN 870, 13MSPT

**REF [126TA5513](#)**



- Voltage: 24-48 V
- Built-in diameter: 56,5 mm

Used on E600J/JP, E/M450A/AJ, E/M400-450A/AJ/AJP NARROW

**REF [164TA7019](#)**



- Voltage: 36 V
- Built-in diameter: 51 mm

**REF [161TA1824](#)**



- Voltage: 24-48 V
- Built-in diameter: 52 mm
- Lift lock-out: yes
- Connection: 6 x blade

Used on 1532E3 from serial n° 0200000000 to 0200999999, 3246E2, 1532E, 1532E2

**REF [165TA4090](#)**



## HOUR METERS



- Voltage: 10–80 VDC
- Depth: 71,6 mm
- Width: 54 mm
- Number of digits: 6

Used on 30E, 3369ELECTRIC, 30electric

**REF [123TA7746](#)**



- Voltage: 12–24 V
- Number of digits: 6

Used on 100SX, 1930ES, 330CRT, 260MRT, 450A, 600A from serial n° 0300000000 to 0300099999, 600SC, 800A, 1200SJP, 3369LE, 1250AJP, 450AJ, 400S, 800S, 20AM, 600S, 3394RT, T350, 510AJ, 340AJ, 1100S, 1230ES, 680S, 1100SB, 601S

**REF [165TA4093](#)**



- Voltage: 12–24 V
- Depth: 50 mm
- Width: 26 mm
- Number of digits: 5

Used on 1532E3 from serial n° 0200000000 to 0200999999, 15VPSP, 3246E2, 1532E, 10VP, 1500SJ, 1100S, 800S, 680S, 1200SJP, 800A, 1100SB

**REF [126TA5516](#)**



- Voltage: 10–80 V
- Depth: 53 mm
- Diameter: 56 mm
- Number of digits: 6

**REF [165TA4094](#)**

## METER DASHBOARD



- Voltage: 12 V
- Depth: 44,4 mm
- Diameter: 57 mm
- Connection: 6 pins

Used on H340AJ, M/E600/J/JP, TOUCAN 8E, TOUCAN 10E, 8E/20E TOUCAN, TOUCAN 12E/32E, E/M 600J(P)

**REF [165TA4091](#)**

## VERTICAL LEVEL INDICATOR



- Length: 160 mm
- Width: 34 mm
- Temperature: max 80 °C
- Pressure: max 2 bar
- Torque: max 10 Nm

Used on 3369ELECTRIC, 10VP, AM-19, 9MP, 20AM, 15VPSP, 15DVL, SSV10

**REF [145TA8289](#)**

## OIL PRESSURE GAUGE



- Length: 38 mm
- Diameter: 41 mm
- Thread: 1/8" NPT
- Range: 0–160 bar

Used on 1500SJ, 1850SJ, TOUCAN 12E, TOUCAN 8E, TOUCAN 10E

**REF [165TA4092](#)**

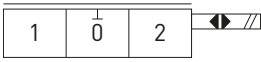


## ACTUATORS/POSITION TRANSDUCERS



Voltage: 24 VDC

Used on 25RTS, 120HX, 100SX, 400RTS, 450A, 600A from serial n° 0300000000 to 0300099999, 800A, 450AJ, 800S, 600S, 680S, 601S



**REF [165TA4095](#)**



Voltage: 11-32 VDC

Used on 450A, 400S, 510AJ

**REF [165TA4097](#)**

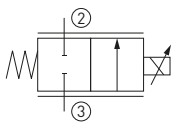


Voltage: 11-32 VDC

Used on 450AJ, 400S, 450A, 600A from serial n° 0300000000 to 0300099999, 800A, E600, 600S, 510AJ, 601S

**REF [139TA5136](#)**

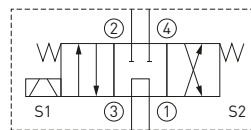
## ELECTRIC CARTRIDGES



- Voltage: 12 VDC
- Diameter nose: 19,35 mm

Used on 1250AJP

**REF [165TA4096](#)**



- Voltage: 20 VDC
- Diameter nose: 13 mm

Used on 260MRT, 450A, 450AJ, 510AJ

**REF [139TA1802](#)**



## PRESSURE VALVES (FLOW)



- Thread: M20
- Length: 89,5 mm

Used on 260MRT, 3394RT

**REF [165TA4098](#)**



- Thread: 1 1/8"
- Length: 81,3 mm

Used on 450A, 450AJ

**REF [126TA5598](#)**



- Thread: 1 1/16" UNF
- Length: 106 mm

Used on TOUCAN800A, TOUCAN1210, TOUCAN1010, TOUCAN861, TOUCAN 870, TOUCAN1310

**REF [126TA5564](#)**



- Thread: M27
- Length: 106 mm

Used on 450A, 600A from serial n° 0300000000 to 0300099999, 800A, 450AJ

**REF [126TA5599](#)**



- Thread: M20
- Length: 85 mm

Used on 1250AJP, E400A

**REF [126TA5600](#)**



- Thread: 15/16" SLW
- Length: 105 mm

**REF [128TA3185](#)**



- Thread: M20
- Length: 86,6 mm

Used on 450A, 510AJ, T350

**REF [165TA4099](#)**



- Thread: 7/8" SLW
- Length: 108 mm

Used on 400/450A/AJ/AJP NARROW, E300A/AJ/AJP, (N)30/35/40/45E

**REF [126TA5612](#)**



## PRESSURE VALVES (FLOW)



- Thread: 7/8"
- Length: 86 mm

Used on 450A, 1200SJP, 1250AJP, 510AJ, 1500SJ, 1100S, 1850SJ, 1100SB

**REF [138TA7293](#)**



- Thread: 1" SLW
- Length: 77,8 mm

Used on 450A, 1200SJP, E600, 1250AJP, 800S, 400S, E300A, E400A, 510AJ, 340AJ, 680S, 600S, 4017, 3507, 400SC

**REF [165TA4100](#)**



- Thread: M20 x 1,5 mm
- Length: 66 mm

**REF [154TA8450](#)**



## CARTRIDGE VALVES



- Width across flats: 15,8 mm
- Length: 117 mm
- Diameter nose: 24 mm

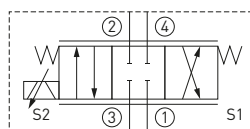
Used on T350, 450A

**REF [139TA5142](#)**

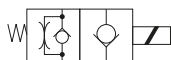


- Width across flats: 22 mm
- Length: 140 mm
- Diameter nose: 12,7 mm

Used on 600S, 25RTS, 450A, 600A from serial n° 0300000000 to 0300099999, 800A, E600, 450AJ, 800S, 400S, 510AJ, 680S, 601S



**REF [165TA4104](#)**



- Width across flats: 7/8"
- Length: 82,7 mm
- Diameter nose: 12,6 mm

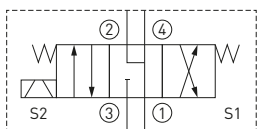
Used on 260MRT, 67SL, 26MRT, 100SX, 330CRT, 400RTS, 450A, 600A from serial n° 0300000000 to 0300099999, 800A, 1200SJP, 3369LE, E600, E45A, E400A, 450AJ, 600SC, 800S, 600S, E300A, 400S, G5-18A, 1500SJ, 340AJ, 1100S, 510AJ, 1850SJ, 680S, 644E-42, 3394RT, 1100SB, 601S

**REF [165TA4103](#)**



- Width across flats: 7/8"
- Length: 140 mm
- Diameter nose: 13 mm

Used on 260MRT, 450A, 330CRT, E300A, 600A from serial n° 0300000000 to 0300099999, 600SC, E45A, E400A, 450AJ, 400S, 600S, 26MRT, 510AJ, 67SL, 601S



**REF [165TA4101](#)**



- Width across flats: 7/8"
- Length: 75,5 mm
- Diameter nose: 12,6 mm

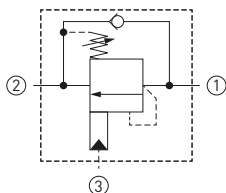
Used on SL153-12E, 67SL

**REF [165TA4105](#)**



- Width across flats: 7/8"
- Length: 86 mm
- Diameter nose: 17,5 mm

Used on 1532E3 from serial n° 0200000000 to 0200999999, 3246E2, 1532E, 1532E2

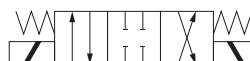


**REF [165TA4102](#)**



- Width across flats: 7/8"
- Length: 156 mm
- Diameter nose: 13 mm

Used on 1532E3 from serial n° 0200000000 to 0200999999, 3246E2, 330CRT, 1532E, 3369LE, 1532E2

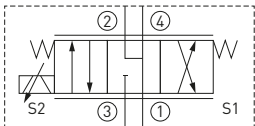


**REF [165TA4106](#)**





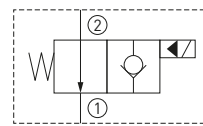
## CARTRIDGE VALVES



- Width across flats: 7/8"
- Length: 140 mm
- Diameter nose: 12,7 mm

Used on E300A, 450A, E45A, E400A, 450AJ

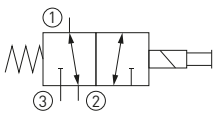
REF [161TA1296](#)



- Width across flats: 7/8"
- Length: 84 mm
- Diameter nose: 12,7 mm

Used on 1930ES

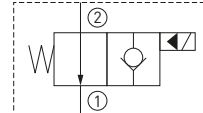
REF [139TA5137](#)



- Width across flats: 7/8"
- Length: 98,4 mm
- Diameter nose: 12,7 mm

Used on 30E, 30 Electric

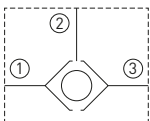
REF [126TA5609](#)



- Width across flats: 7/8"
- Length: 104 mm
- Diameter nose: 15,8 mm

Used on 330CRT, 260MRT, 3369LE

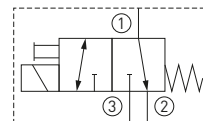
REF [160TA6370](#)



- Width across flats: 7/8"
- Length: 50 mm
- Diameter nose: 50 mm

Used on 120HX, 100SX, 100HX, 400RTS, 534D-9, 544D, G6-42P, 3394RT

REF [165TA4107](#)



- Width across flats: 7/8"
- Length: 91 mm
- Diameter nose: 12,8 mm

Used on 450A, 510AJ

REF [139TA5139](#)



CARTRIDGES WITH COIL								
	Voltage V	AC/DC	Resistance Ω	Diameter 1 mm	Diameter 2 mm	Length mm	Used on	REF
 	10	DC	7,3	33	13	37,2	TOUCAN1210, TOUCAN1310	<a href="#">165TA4108</a>
	12	DC	5,1	44,2	20,5	61,4	25RTS, 400RTS	<a href="#">139TA5141</a>
 	12	DC	8,4	36,2	18,2	40	1250AJP	<a href="#">138TA7284</a>
	12	DC	7,7	43,6	16,4	51	800S, 3394RT, 680S	<a href="#">126TA5576</a>
 	12	DC	7,7	43,6	16,4	51	800S, 680S	<a href="#">165TA4109</a>



CARTRIDGES WITH COIL								
	Voltage V	AC/DC	Resistance $\Omega$	Diameter 1 mm	Diameter 2 mm	Length mm	Used on	REF
	12	DC	27			39	1250AJP	<a href="#">165TA4110</a>
	24	DC	29,4	43,6	16,4	51	1532/2658E, 1532/3246E2, 1532/2658E3, 1532/1932/2033/ 2046/2646/ 2658E, 1532/1932/2032/ 2632/2646/ 3246E2	<a href="#">126TA5575</a>
	24	DC	28,7			47,3		<a href="#">139TA5140</a>
 	36	DC	90,5	33	13	37,5	1930ES	<a href="#">126TA5604</a>

Cartridges exist in a variety of dimensions and wiring diagrams. When placing an order, always provide the necessary info with regard to the wiring diagram, as cartridges may have identical dimensions yet be connected in different ways.

Diameter D1 is the nose of the cartridge.  
Diameter D2 is the diameter of the cartridge end on which the coil is mounted.



## CARTRIDGE VALVE COILS



- Voltage: 20 V
- AC/DC: DC
- Resistance: 24,4  $\Omega$
- Diameter: 13 mm
- Height: 41,2 mm

Used on 1532/3246E2, 1532/1932/2032/2632/2646/3246E2

**REF [126TA5596](#)**



- Voltage: 12 V
- AC/DC: DC
- Resistance: 10,4  $\Omega$
- Diameter: 33 mm
- Height: 37,5 mm

Used on 1930ES

**REF [139TA5133](#)**



- Voltage: 12 V
- AC/DC: DC
- Resistance: 10,7  $\Omega$
- Diameter: 33 mm
- Height: 37,4 mm

Used on 600A from serial n° 0300000000 to 0300099999, 600SC, 600S, 26MRT, 400S, 800A, 800S, 400RTS, 1200SJP, E600, 1250AJP, 1500SJ, 1100S, 1100SB, MMV, 601S

**REF [139TA5134](#)**



- Voltage: 12 V
- AC/DC: DC
- Resistance: 5,1  $\Omega$
- Diameter: 44,2 mm
- Height: 61,4 mm

Used on 160/180ATJ(S)(2) E3(RC), 160ATJ PLUS(RC), 450A/AJ, 33/4394RT, 510AJ, 3369/4069LEM3369/M4069

**REF [126TA5590](#)**



- Voltage: 12 V
- AC/DC: DC
- Resistance: 5,7  $\Omega$
- Diameter: 45 mm
- Height: 51 mm

Used on VM2639E, TOUCAN1210, TOUCAN1010, TOUCAN870, TOUCAN1310, TOUCAN800, TOUCAN910, V2039E, V2642E, VM3242E, TOUCAN800A, TOUCAN 870

**REF [139TA5135](#)**



- Voltage: 12 V
- AC/DC: DC
- Resistance: 7,6  $\Omega$
- Diameter: 43,5 mm
- Height: 51,1 mm

Used on E400A, E300A, E600, E45A

**REF [126TA5594](#)**



- Voltage: 12 V
- AC/DC: DC
- Resistance: 7,7  $\Omega$
- Diameter: 43,6 mm
- Height: 51 mm

Used on 1532E3 from serial n° 0200000000 to 0200999999, 3246E2, 1532E, 1532E2

**REF [126TA4792](#)**



- Voltage: 12 V
- AC/DC: DC
- Resistance: 8  $\Omega$
- Diameter: 44,8 mm
- Height: 36,5 mm

Used on 1930ES

**REF [126TA5597](#)**



## CARTRIDGE VALVE COILS



- Voltage: 24 V
- AC/DC: DC
- Resistance: 20,5 Ω
- Diameter: 45 mm
- Height: 50 mm

Used on 1532/2658E3, 1532/1932/2032/2632/2646/3246E2, 1532/2658E3

**REF [126TA5591](#)**



- Voltage: 24 V
- AC/DC: DC
- Resistance: 20,8 Ω
- Diameter: 16 mm
- Height: 50 mm

Used on 1930ES

**REF [165TA4112](#)**



- Voltage: 24 V
- AC/DC: DC
- Resistance: 20,8 Ω
- Diameter: 16 mm
- Height: 50 mm

Used on 260MRT, 800S, 450A, 120HX, 100SX, 330CRT, 400RTS, 1250AJP, 800A, 3369LE, E600, 450AJ, 400S, 600A from serial n° 0300000000 to 0300099999, 600S, 3394RT, 510AJ, 680S

**REF [131TA8333](#)**



- Voltage: 24 V
- AC/DC: DC
- Resistance: 25,5 Ω
- Diameter: 13 mm
- Height: 38,5 mm

Used on 1532E3 from serial n° 0200000000 to 0200999999, 3246E2, 1532E, 67SL, 1532E2

**REF [165TA4113](#)**



- Voltage: 24 V
- AC/DC: DC
- Resistance: 25,7 Ω
- Diameter: 13 mm
- Height: 38,5 mm

Used on 67SL, 1532E3 from serial n° 0200000000 to 0200999999, 1532E

**REF [165TA4111](#)**



- Voltage: 24 V
- AC/DC: DC
- Resistance: 29,4 Ω
- Diameter: 43,6 mm
- Height: 51 mm

Used on LIFTLUX 203-24, 80SL, 1532/2658E2

**REF [160TA4763](#)**



- Voltage: 24 V
- AC/DC: DC
- Resistance: 39,8 Ω
- Diameter: 33 mm
- Height: 37,5 mm

Used on LIFTLUX 203-24, 80SL, 1532/2658E2

**REF [155TA1598](#)**



## COUPLINGS



- Height: 34 mm
- Outer diameter: 216 mm
- Inner diameter: 25,8 mm

Used on TOUCAN800A, TOUCAN1010

**REF [126TA4811](#)**



- Height: 68 mm
- Outer diameter: 19 mm
- Inner diameter: 6,5 mm

Used on 260MRT, 800S, 26MRT, 25RTS, 400RTS, 600A from serial n° 0300000000 to 0300099999, 450A, 600SC, 800A, 1200SJP, 3369LE, E600, 1250AJP, 450AJ, 400S, 600S, E400A, 3394RT, 510AJ, 1500SJ, 340AJ, 1100S, G9-43A, 534D-9, 544D, 680S, G6-42P, G6-42A, G10-55A, 1100SB, TF6-42, 601S, 400SC

**REF [165TA4114](#)**



## HYDRAULIC INTEGRATED CIRCUITS WITH CARTRIDGE



- Length: 89 mm
- Width: 76 mm
- Height: 31 mm

Used on 3369ELECTRIC, E300A, E45A, E400A, 800S, 400S, E600

**REF [139TA5143](#)**



- Length: 90 mm
- Width: 80 mm
- Height: 49,5 mm

Used on SL153-12E

**REF [165TA4118](#)**



- Length: 230 mm
- Width: 60 mm
- Height: 30 mm

Used on 1930ES

**REF [165TA4115](#)**



- Length: 83 mm
- Width: 75 mm
- Height: 63 mm

Used on 450A, E45A, E400A, 450AJ, T350, 800A

**REF [165TA4119](#)**



- Length: 155 mm
- Width: 63,8 mm
- Height: 51 mm

Used on 600S, 150HAX, 30E, E300A, 450A, 600A from serial n° 0300000000 to 0300099999, 600SC, 800A, 1200SJP, E600, E45A, E400A, 450AJ, 800S, 400S, 30electric, 680S, 601S

**REF [165TA4116](#)**

## HYDRAULIC BRAKES



- Neck diameter: 101,5 mm
- Axle diameter: 41,3 mm
- Number of teeth: 13

Used on E600

**REF [165TA4117](#)**



- Neck diameter: 101,5 mm
- Axle diameter: 22 mm
- Number of teeth: 13

Used on CM1432, 30E, 3369ELECTRIC, 30electric, CM2033

**REF [165TA4120](#)**





## HYDRAULIC CYLINDERS



- Steering cylinder
- Total measured length: 472 mm
- Diameter tube: 70 mm
- Diameter rod: 35 mm

Used on 600S, 600A from serial n° 0300000000 to 0300099999

**REF [165TA4121](#)**



- Steering cylinder
- Total measured length: 580 mm
- Diameter tube: 86 mm
- Diameter rod: 38 mm
- Piston shaft stroke: 272 mm

Used on TOUCAN1210, TOUCAN1010, TOUCAN870, TOUCAN800A, TOUCAN1310, TOUCAN800, TOUCAN910, V2642E, TOUCAN 870

**REF [165TA4125](#)**



- Steering cylinder
- Total measured length: 800 mm
- Diameter tube: 76,5 mm
- Diameter rod: 44,45 mm

Used on EM450A/AJ, Z/M400/450A/AJ/AJP/NARROW

**REF [165TA4122](#)**



- Steering cylinder
- Total measured length: 570 mm
- Diameter tube: 73 mm
- Diameter rod: 32 mm

Used on E400A, E45A

**REF [165TA4126](#)**



- Steering cylinder
- Total measured length: 660 mm
- Diameter tube: 82 mm
- Diameter rod: 44,45 mm

Used on 1930ES

**REF [165TA4123](#)**



- Tilt cylinder or double acting
- Total measured length: 405 mm
- Diameter tube: 48 mm
- Diameter rod: 19 mm
- Piston shaft stroke: 157 mm

Used on 800A, 800S, 680S

**REF [165TA4127](#)**

## PART OF HYDRAULIC CYLINDER



- Diameter: 228 mm
- Width: 66,5 mm

**REF [165TA4124](#)**

## HYDRAULIC HOSE



- Length: 4950 mm
- Pressure: 3250 bar

Used on E600

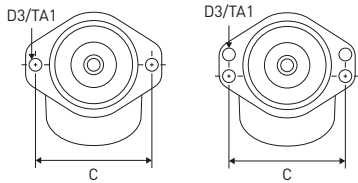
**REF [165TA4128](#)**



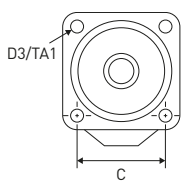
## HYDRAULIC MOTORS

### Type of flange

Type A

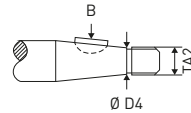


Type C

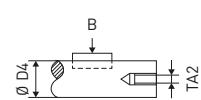


### Type of shaft

Type E



Type F



	Thread connections	Type of flange	Type of shaft	Total length mm	Used on	REF
	1/2" BSP + 1/4" BSP	C	E	300	3246E2, 1532E3 from serial n° 0200000000 to 0200999999, 1532E2	<a href="#">151TA1080</a>
	7/8" UNF	A	F	181	1532E3 from serial n° 0200000000 to 0200999999	<a href="#">165TA4129</a>
	7/8" UNF	C	E	235	3246E2, 1532E3 from serial n° 0200000000 to 0200999999, 1532E2	<a href="#">126TA5518</a>
	7/8" UNF	C	E	270	25RTS, 400RTS, 450A, 450AJ	<a href="#">131TA6886</a>
	9/16" UNF	C	E	223	450A, 450AJ	<a href="#">131TA6835</a>
	9/16" UNF	C	E	269	450A, E400A	<a href="#">165TA4130</a>
	9/16" UNF	C	E	271	TOUCAN870, TOUCAN800A, TOUCAN800, TOUCAN861, TOUCAN 870	<a href="#">165TA4131</a>



## HYDRAULIC PUMPS



- Total length: 125 mm
- Neck diameter: 82,5 mm
- Direction of rotation: CCW
- Material of housing: aluminium

Used on 3369ELECTRIC

**REF [165TA4132](#)**



- Total length: 210 mm
- Neck diameter: 82,5 mm
- Direction of rotation: CW
- Material of housing: aluminium

Used on 30E, 30electric, 15DVL, 10VP

**REF [165TA4135](#)**



- Total length: 308 mm
- Neck diameter: 101,5 mm
- Direction of rotation: CW
- Material of housing: metal

Used on 1930ES

**REF [165TA4133](#)**



- Total length: 308 mm
- Neck diameter: 101,6 mm
- Direction of rotation: CW
- Material of housing: metal

Used on 740AJ, 800A/800AJ, 800S/860SJ, 680S

**REF [165TA4136](#)**



- Total length: 72,2 mm
- Neck diameter: 32 mm
- Direction of rotation: CCW
- Material of housing: aluminium

Used on 25RTS, 120HX, 100SX, 400RTS, 450A, 600A from serial n° 0300000000 to 0300099999, 450AJ, 600S, 601S

**REF [118TA5574](#)**



- Total length: 83,5 mm
- Neck diameter: 45,2 mm
- Direction of rotation: CCW
- Material of housing: metal

Used on E300A, E45A, E400A

**REF [139TA5120](#)**



- Total length: 87,4 mm
- Neck diameter: 52 mm
- Direction of rotation: CCW
- Material of housing: aluminium

Used on 450A, 800A, 400S, 600SC, 800S, 510AJ, 680S

**REF [139TA5119](#)**



- Total length: 87,8 mm
- Direction of rotation: CW
- Material of housing: aluminium

Used on TOUCAN800A, 67SL, TOUCAN1210, TOUCAN1100A, TOUCAN1010, TOUCAN861, TOUCAN 870, TOUCAN1310

**REF [165TA4137](#)**



- Total length: 92,5 mm
- Neck diameter: 32 mm
- Direction of rotation: CW
- Material of housing: aluminium

Used on 450A, 510AJ

**REF [165TA4134](#)**



- Total length: 258 mm
- Neck diameter: 101,6 mm
- Direction of rotation: CW
- Material of housing: metal

Used on 1250 AJP, 1500 SJ, 1200 SJP, 1350 SJP, 1100SB, 1100 SJ, 1100 SJP

**REF [165TA4138](#)**



## REPAIR KITS HYDRAULIC PUMP



Used on VM2639E, TOUCAN1010, TOUCAN910, TOUCAN870, TOUCAN800A, TOUCAN800, TOUCAN DUO, V2039E, V2642E, VM3242E, TOUCAN 870, 13MSPT




REF [160TA9903](#)



Used on 1500SJ, 1100S, 1850SJ, 1200SJP, 1100SB

REF [160TA9603](#)

## HYDRAULIC PUMP GROUPS

	Electric motor VDC	Power kW	Used on	REF
	24	0,8	VM2639E, TOUCAN1210, TOUCAN1100, TOUCAN1310, TOUCAN800, V2039E, VM3242E, TOUCAN860, TOUCAN1100A, TOUCAN861	<a href="#">139TA5118</a>
	24	0,8	120HX, 100SX, 600A from serial n° 0300000000 to 0300099999, 600SC, 3369ELECTRIC, 600S, 1500SJ, 1850SJ, 1200SJP, 1100SB, 601S, 400SC	<a href="#">165TA4139</a>
	24	1	TOUCAN JUNIOR 6/8B, 13MSPT/TOUCAN DUO, TOUCAN JUNIOR 6, TOUCAN JUNIOR 8	<a href="#">165TA4140</a>



HYDRAULIC PUMP GROUPS				
	Electric motor VDC	Power kW	Used on	REF
	48	1,6	(N)30/35/40/45E	<a href="#">165TA4141</a>
	24	3	TOUCAN800A, TOUCAN1010, TOUCAN 870	<a href="#">139TA5117</a>
	24	3	E300A	<a href="#">105TA2721</a>
	48	3,9	600S	<a href="#">165TA4142</a>

## HYDRAULIC OIL TANK



- Overall length: 345 mm
- Outer diameter: 120 mm

Used on 1930ES

**REF [165TA4143](#)**



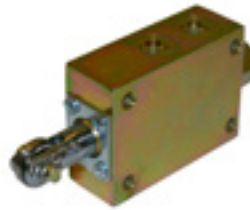
## HYDRAULIC VALVES



- Number of elements: 1
- Number of plungers: 1
- Length: 142,5 mm
- Diameter plungers: 15,87 mm

Used on 800A

**REF [126TA4791](#)**



- Number of elements: 1
- Number of plungers: 1
- Length: 32 mm
- Diameter plungers: 16 mm

Used on E300A, 450A, 600A from serial n° 0300000000 to 0300099999, 450AJ, 1500SJ, 1850SJ

**REF [165TA4145](#)**



- Number of elements: 1
- Number of plungers: 1
- Length: 60 mm

Used on 600S, 150HAX, 26MRT, 100HX, 100SX, 400RTS, 30E, 600A from serial n° 0300000000 to 0300099999, E300A, 450A, 600SC, 800A, 1532E, 1200SJP, E600, E45A, E400A, 1250AJP, 450AJ, 800S, 400S, 30electric, 1500SJ, 1100S, 1100SB, 601S

**REF [165TA4144](#)**

## SHAFT PISTONS



- Inner thread – pistonhead – outer thread
- Length: 660 mm
- Diameter: 44,5 mm

Used on 30E, 3369ELECTRIC, 30electric

**REF [126TA5614](#)**



- Outer thread – eye
- Length: 503 mm
- Diameter: 31,75 mm

Used on 450A, 510AJ

**REF [165TA4146](#)**



- Outer thread – eye
- Length: 545 mm
- Diameter: 32 mm

Used on 510AJ, 450A/AJ, 450A/AJ SERIES II

**REF [139TA5145](#)**



## RADIATORS



- Horizontal type
- Length: 450 mm
- Width: 75 mm
- Height: 675 mm
- Without oil cooler

Used on 1930ES

**REF [165TA4147](#)**



- Vertical type
- Length: 625 mm
- Width: 85 mm
- Height: 450 mm
- Without oil cooler

Used on 450A

**REF [139TA5147](#)**

## OIL COOLERS



- Type of oil cooler: radiator
- Type of cooling: air
- Length: 590 mm
- Width: 60 mm
- Height: 435 mm

Used on 400S, 450A

**REF [165TA4148](#)**



- Type of oil cooler: radiator
- Type of cooling: air
- Length: 630 mm
- Width: 59 mm
- Height: 435 mm

Used on 1500SJ, 1200SJP, 1100SB

**REF [165TA4150](#)**

## RADIATOR CAP



- Length: 39 mm
- Width: 11 mm
- Height: 23 mm

Used on 680S, 800S, 600S, 800A, 400SC

**REF [165TA4149](#)**

## FAN BELTS



- V-belt, toothed open flank
- Belt width: 13,3 mm
- Belt height: 8,7 mm
- Outside length: 1020 mm

Used on 25RTS, 400RTS

**REF [106TA9087](#)**



- V-belt, toothed open flank
- Belt width: 16,8 mm
- Belt height: 10,7 mm
- Outside length: 1173 mm

Used on 450A

**REF [160TA8708](#)**





## FAN RADIATOR



- Number of fan blades: 10
- Inner diameter: 25,4 mm
- Outer diameter: 408 mm
- Number of holes: 9
- Centre distance between the small holes: 56 mm

Used on 520AJ, 600A/AJ, 400SC, 740AJ, 450AJ, 600SC/SJC

**REF [126TA4806](#)**

## ELECTRIC CARTRIDGE



Length: 99 mm

Used on 600A/AJ, 740AJ, 450A/AJ, 800A/AJ, 800S/860SJ

**REF [160TA6172](#)**

## COIL PROPORTIONAL VALVES



Total length: 117,4 mm

Used on 340AJ

**REF [165TA4151](#)**



Total length: 100 mm

Used on 520AJ, 400SC, 740AJ, 450AJ, 600SC/SJC, 400S/SJ, 400S/460SJ, 3394/4394RT

**REF [165TA4152](#)**

## EXHAUST PIPES



- Length: 190 mm
- Outer diameter smallest tube: 88 mm
- Outer diameter biggest tube: 88 mm

Used on 800S, 680S, 800A, 600S

**REF [134TA6043](#)**



- Length: 197 mm
- Outer diameter smallest tube: 45 mm
- Outer diameter biggest tube: 48 mm

Used on 450A, 450AJ, 400S, 510AJ, 601S

**REF [134TA5741](#)**



## MUFFLERS



- Length of the muffler: 340 mm
- Outer diameter smallest tube: 30 mm
- Outer diameter biggest tube: 45 mm

Used on 800S, 600A from serial n° 0300000000 to 0300099999, 600SC, 800A, 600S, 680S

**REF [134TA7837](#)**



- Length of the muffler: 450 mm
- Outer diameter smallest tube: 22 mm
- Outer diameter biggest tube: 45 mm

Used on 800S, 680S, 800A

**REF [165TA4155](#)**



- Length of the muffler: 452 mm
- Outer diameter smallest tube: 31 mm
- Outer diameter biggest tube: 44 mm

Used on 260MRT, 340AJ

**REF [165TA4153](#)**

## EXHAUST CLAMP



- Inside clamp diameter: 54 mm
- Length: 52 mm

Used on 600A/AJ, 740AJ, 450A/AJ, 800A/AJ, 400S/460SJ, 40H/40H6, 3394/4394RT, 33/4394RT

**REF [165TA4154](#)**

## GASKET



- Diameter: 46 mm
- Length: 74 mm
- Thickness: 1 mm
- Number of holes: 5
- Material: metal

Used on 450A, 600A from serial n° 0300000000 to 0300099999, 450AJ, 510AJ

**REF [126TA4803](#)**



## FILLER CAPS



- Height: 37 mm
- Outer diameter: 52 mm
- Inner diameter: 33 mm

Used on 260MRT, CM1432, 25RTS, 3394RT, CM2033, 450A, 600A from serial n° 0300000000 to 0300099999, 600SC, 800A, 1200SJP, 3369LE, E45A, E400A, 1250AJP, 450AJ, 400S, 800S, 600S, 510AJ, 1500SJ, 1100S, 330CRT, 400RTS, E600, 1850SJ, 680S, 1100SB, 601S

**REF [139TA5183](#)**



- Height: 37 mm
- Outer diameter: 73 mm
- Inner diameter: 52 mm

Used on 800S, 450A, 800A, 1200SJP, 1250AJP, 400S, 600SC, 600A from serial n° 0300000000 to 0300099999, 600S, 3394RT, 510AJ, 67SL, 1500SJ, 1100S, 3706 PS, 1850SJ, 680S, 3614RS, 1100SB, 400SC

**REF [126TA5085](#)**



- Height: 37,3 mm
- Outer diameter: 64,3 mm
- Inner diameter: 38 mm

Used on 800S, 800A, 600SC, 600A from serial n° 0300000000 to 0300099999, 600S, 1100S, 450A, 8042, SKYTRAK 6036, 1500SJ, 680S, 1200SJP, 644E-42, 3394RT, SKYTRAK 6042, MMV

**REF [160TA2527](#)**



- Height: 41,5 mm
- Outer diameter: 50 mm
- Inner diameter: 41,5 mm

Used on 400S, 450A

**REF [128TA3393](#)**



- Height: 67 mm
- Outer diameter: 93 mm
- Inner diameter: 56 mm

Used on G15-44A, G6-42A/G9/10-43A, 644E/944E-42, G10/12-55A

**REF [165TA4156](#)**



- Height: 36 mm
- Outer diameter: 65,5 mm
- Inner diameter: 37 mm

Used on 800S-860SJ, 740AJ, 600SC/SJC, 400S/460SJ, E-M450A/AJ, 800A/800AJ, E/M400-AN/AJP/AJPN

**REF [165TA4157](#)**



- Height: 19 mm
- Outer diameter: 41,7 mm
- Inner diameter: 6,42 mm

Used on TOUCAN JUNIOR 6, TOUCAN DUO, TOUCAN JUNIOR 8, V1331E, VM1931E, 13MSPT

**REF [126TA4760](#)**



## FUEL PUMPS



- Total height: 112 mm
- Centre distance: 11 mm
- Number of holes: 4

Used on 260MRT, 450A, 800A, 1250AJP, 800S, 400S, 600SC, 1200SJP, 600A from serial n° 0300000000 to 0300099999, 600S, E600, 3394RT, 510AJ, 1500SJ, 340AJ, 1100S, 8042, G9-43A, SKYTRAK 6036, 1850SJ, 534D-9, 544D, 680S, G6-42P, G6-42A, 1100SB, SKYTRAK 6042, TF6-42, 400SC

**REF [165TA4158](#)**



- Total height: 128,5 mm
- Centre distance: 72,5 mm
- Number of holes: 2

Used on 450A

**REF [151TA2354](#)**



- Total height: 130 mm
- Centre distance: 73 mm
- Number of holes: 2

**REF [138TA7325](#)**



- Total height: 258 mm
- Centre distance: 60 mm
- Number of holes: 3

Used on 3508PS-4017PS, G9-43A/G10-43A, 3508PS/4017PS, G5-18A/2505

**REF [139TA5153](#)**

## LIQUID TANK



- Windscreen wiper tank
- Voltage: 24 V

Used on 800S, 450A, 800A, 400S, 600SC, 600A from serial n° 0300000000 to 0300099999, 600S, 340AJ, 1100S, 1500SJ, 680S, 1200SJP, 3394RT

**REF [165TA4159](#)**



ENGINE STOP SOLENOIDS							
	Voltage V	Type of current	Function	Mounting side	Length mm	Used on	REF
	12	DC	Pull	Both sides	153,3	260MRT, 530LRT, 340AJ	<a href="#">122TA7877</a>
	12	DC	Pull	Both sides	159,5		<a href="#">139TA5150</a>
	12	DC	Pull	Both sides	196		<a href="#">122TA7879</a>
	12	DC	Pull	Both sides	59,7	1250AJP, 400S, 1200SJP, 450A, 3394RT, 67SL, 1500SJ, 1100S, 800S, 680S, 600S, 800A, 1100SB	<a href="#">151TA2362</a>
	12	DC	Pull	Both sides	71	260MRT	<a href="#">128TA3249</a>
	12	DC	Pull	Both sides	85	3369LE, E600, E45A, E400A	<a href="#">139TA5149</a>
	12	DC	Pull	Left side	129,5	40H/40H6, 120HX, 100HX+10/110HX	<a href="#">139TA5151</a>



ENGINE STOP SOLENOIDS							
	Voltage V	Type of current	Function	Mounting side	Length mm	Used on	REF
	12	DC	Pull	Without	82,7	800A, 600S	<a href="#">160TA5686</a>
	12	DC	Push	Both sides	68,5	67SL	<a href="#">128TA3245</a>
	12	DC	Push	Both sides	75	600A from serial n° 0300000000 to 0300099999, 26MRT, 400S, 450A, 600SC, 800A, 450AJ, 600S, 601S	<a href="#">152TA2531</a>
	24	DC	Pull	Both sides	115	450A	<a href="#">165TA4160</a>
	24	DC	Pull	Both sides	115	LIFTLUX 203-24, 80SL, 67SL	<a href="#">165TA4161</a>
	24	DC	Push	Faston 6,3 mm	57,5	E400A, E600	<a href="#">165TA4162</a>



## NOZZLE INJECTOR



Length: 46,65 mm  
 Used on 800S, 600S, 680S, 800A  
**REF [165TA4164](#)**

## VAPORISER, REGULATOR



Used on 450A/450AJ, 600A/600AJ, 60HA, 400/500RTS  
**REF [126TA4805](#)**

## OIL DIPSTICKS



- Length: 850 mm
- Diameter: 1 mm

Used on 1250AJP, 1200SJP, 1500SJ, 1100S, 1100SB  
**REF [165TA4163](#)**



- Length: 300 mm
- Diameter: 4 mm

Used on 1500SJ, 1100S, 800S, 680S, 1200SJP, 600S, 800A, 3394RT, 1100SB, 400SC  
**REF [165TA4165](#)**

## OIL PUMP ENGINE



- Length: 185 mm
- Width: 109 mm
- Diameter: 77,2 mm

Used on VM2639E, TOUCAN1210, TOUCAN1010, TOUCAN1100, TOUCAN1310, TOUCAN800, TOUCAN861, TOUCAN910, V2039E, V2642E, VM3242E, TOUCAN860, TOUCAN1100A  
**REF [165TA4166](#)**

## REGULATORS



- Voltage: 14 V
- Length: 77 mm
- Width: 43,5 mm

Used on 3369LE, E600, E45A, E400A  
**REF [126TA5313](#)**



- Voltage: 12 V
- Length: 200 mm
- Width: 84 mm
- 5-pin connection

Used on M/E600/J/JP, 3369/4069LE/M3369/406, E/M400/450A/AJ/AJP NARROW  
**REF [126TA5312](#)**





## SPARK PLUG



- Number of ground electrodes: 1
- Thread: M14
- Pitch metric: 1,25 mm
- RH/LH thread: RH

Used on 25RTS, 800A, 600S

**REF [161TA1576](#)**

## STARTER SOLENOID



- Voltage: 12 V
- Length: 119 mm

Used on 450A, 510AJ, 400SC

**REF [165TA4169](#)**

## TANK EXPANSION

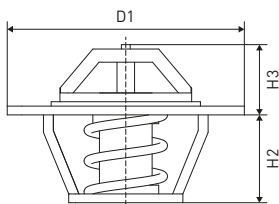


- Length: 189 mm
- Width: 102 mm
- Height: 176 mm

Used on 800S, 100HX, 30E, CM1432, 3246E2, 26MRT, 25RTS, 120HX, 100SX, 330CRT, 260MRT, 400RTS, 400S, 450A, 600A from serial n° 0300000000 to 0300099999, 600SC, 800A, 1200SJP, 3369ELECTRIC, 3369LE, 1250AJP, 450AJ, 600S, E400A, 30electric, 3394RT, CM2033

**REF [165TA4167](#)**

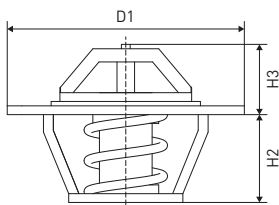
## THERMOSTATS



- Outer diameter (D1): 43,6 mm
- Height engine side (H2): 19,4 mm
- Height radiator side (H3): 18 mm
- Opening temperature: 71 °C

Used on 450A

**REF [152TA7167](#)**



- Outer diameter (D1): 43,6 mm
- Height engine side (H2): 19,6 mm
- Height radiator side (H3): 17,8 mm
- Opening temperature: 82 °C

Used on 400S/460SJ, 510AJ, 450A/450AJ

**REF [165TA4168](#)**



## WATER PUMP



- Sort water pump: flange
- Total height: 124 mm
- Maximum length: 170 mm
- Gasket included: yes

Used on 450A

**REF [103TA6768](#)**

## HYDRAULIC CYLINDER BLOCK



- Diameter: 100 mm
- Total height: 75,4 mm

Used on 3369LE

**REF [165TA4171](#)**

## TIMING GEAR BELT SET



- Number of teeth: 91
- Width: 25 mm

Used on 400RTS, 800A, 600S, 800S, 3394RT

**REF [165TA4170](#)**



- Number of teeth: 91
- Width: 25 mm

Used on 450A/AJ, 400S/SJ

**REF [151TA2356](#)**



## V-BELTS



- V-belt, toothed open flank
- Belt width: 10 mm
- Belt height: 7,5 mm
- Outside length: 950 mm

Used on 800S, 600A from serial n° 0300000000 to 0300099999, 450A, 800A, 400S, 600SC, 600S, 510AJ, 680S

**REF [106TA9059](#)**



- V-belt, toothed open flank
- Belt width: 10 mm
- Belt height: 7,9 mm
- Outside length: 1050 mm

Used on 120HX, 100SX, 100HX

**REF [106TA9063](#)**



- V-belt, toothed open flank
- Belt width: 10,5 mm
- Belt height: 8,2 mm
- Outside length: 1312 mm

Used on 800S, 600S, 800A, 400SC

**REF [165TA4172](#)**



- V-belt, toothed open flank
- Belt width: 12,5 mm
- Outside length: 1325 mm
- Kit of 2 belts

Used on 260MRT, 330CRT, 340AJ

**REF [139TA5148](#)**



- V-belt, toothed open flank
- Belt width: 13 mm
- Belt height: 8,8 mm
- Outside length: 825 mm

Used on 400S, 450A

**REF [106TA9079](#)**



- V-belt, toothed open flank
- Belt width: 10,1 mm
- Belt height: 8,1 mm
- Outside length: 1125 mm

**REF [106TA9066](#)**



- V-belt, toothed open flank
- Belt width: 10,2 mm
- Belt height: 8,1 mm
- Outside length: 1150 mm

Used on 400RTS, 600A from serial n° 0300000000 to 0300099999, 600SC, 800A, 1200SJP, 1250AJP, 3394RT, 600S, 67SL, 1500SJ, 1100S, 1100SB

**REF [165TA4173](#)**



## ALTERNATORS



- Voltage: 12 V
- Current: 45 A
- Centre distance: 138 mm

Used on 1500SJ, 1100S, 1200SJP, 1100SB

**REF [152TA4093](#)**



- Voltage: 12 V
- Current: 55 A
- Centre distance: 143,5 mm

Used on 600A from serial n° 0300000000 to 0300099999, 450A, 600SC, 800A, 450AJ, 400S, 600S, 800S, 510AJ, 601S

**REF [135TA1901](#)**



- Voltage: 12 V
- Current: 60 A
- Centre distance: 90 mm

Used on 260MRT, 330CRT

**REF [151TA2355](#)**



- Voltage: 12 V
- Current: 60 A
- Centre distance: 144 mm

Used on 400RTS

**REF [165TA4175](#)**



- Voltage: 12 V
- Current: 95 A
- Centre distance: 138 mm

Used on 25RTS, 120HX, 100HX, 400RTS, 600SC, 600A from serial n° 0300000000 to 0300099999, 450A, 800A, 1200SJP, 1250AJP, 450AJ, 800S, 400S, 600S, 510AJ, 1500SJ, 1100S, 3394RT, 680S, 601S

**REF [165TA4174](#)**



- Voltage: 12 V
- Current: 95 A
- Centre distance: 138 mm

Used on 800S, 100SX, 120HX, 100HX, 450A, 680S, 800A, 600S, 3394RT

**REF [165TA4176](#)**



## STARTERS



- Voltage: 12 V
- Power: 1 kW
- Number of teeth: 9

Used on 450A

**REF [103TA3220](#)**



- Voltage: 12 V
- Power: 1,2 kW
- Number of teeth: 8

Used on M/E600/J/JP,  
3369/4069LE/M3369/4069

**REF [165TA4178](#)**



- Voltage: 12 V
- Power: 1,4 kW
- Number of teeth: 10

Used on 740AJ, 450A/450AJ,  
40H/40H+6, 800A/800AJ,  
3349/4394RT, 800S/860SJ

**REF [103TA3390](#)**



- Voltage: 12 V
- Power: 2 kW
- Number of teeth: 9

Used on 400RTS, 450A, 600A  
from serial n° 0300000000 to  
0300099999, 25RTS, 600S, 800A,  
800S, 3394RT

**REF [160TA3315](#)**



- Voltage: 12 V
- Power: 2,2 kW
- Number of teeth: 11

Used on 120HX, 100SX, 100HX

**REF [144TA9229](#)**



- Voltage: 12 V
- Power: 2,45 kW
- Number of teeth: 9

Used on 600A from  
serial n° 0300000000 to  
0300099999, 450A, 600SC, 800A,  
450AJ, 400S, 600S, 25RTS,  
400RTS, 601S

**REF [135TA5465](#)**



- Voltage: 12 V
- Power: 3 kW
- Number of teeth: 9

Used on 260MRT, 330CRT, 340AJ

**REF [165TA4177](#)**



- Voltage: 12 V
- Power: 3,9 kW
- Number of teeth: 10

Used on 800S, 450A,  
800A, 1200SJP, 1250AJP,  
400S, 600SC, 600A from  
serial n° 0300000000 to  
0300099999, 600S, 3394RT,  
510AJ, 1500SJ, 1100S, 680S,  
1100SB, 400SC

**REF [135TA5512](#)**



FILTERS					
	Outer diameter mm	Inner diameter mm	Height mm	Used on	REF
<b>Air filters</b>					
	121	77	291	LIFTLUX 203-24, 67SL, 80SL	<a href="#">138TA7351</a>
	126	85	305		<a href="#">124TA6995</a>
	134	67	225	600A/AJ, 740AJ, 600SC/SJC, 450A/AJ, 400S/460SJ	<a href="#">145TA4504</a>
	134	67	225	600A/AJ, 740AJ, 600SC/SJC, 450A/AJ, 400S/460SJ	<a href="#">165TA4179</a>
	142	117	470	30E, 450AJ	<a href="#">165TA4180</a>
	159	92	310	1250AJP, 1500SJ, 1200/1350SJP, 1100SB	<a href="#">165TA4181</a>
	164	86	202		<a href="#">127TA2410</a>
	165	60	347,5	600A/AJ, 740AJ, 600SC/SJC, 450A/AJ, 400S/460SJ	<a href="#">165TA4182</a>



FILTERS					
	Outer diameter mm	Inner diameter mm	Height mm	Used on	REF
<b>Oil filters</b>					
	27,3	9	70	E/M450A/AJ, 3369/4069LE/M3369/4069, 800S/860SJ, 33/4069LE-M33/4069, E/M400-450A/AJ/AJP NARROW	<a href="#"><u>126TA5966</u></a>
	43,5	22	162	TOUCAN 800, TOUCAN 800A, TOUCAN 870, TOUCAN 861, TOUCAN 910, TOUCAN 1210, TOUCAN 1310, VM2639E, VM3242E	<a href="#"><u>165TA4183</u></a>
	44,5	19,5	131,5	1930ES, 1930/2030/2630/2643/3246ES	<a href="#"><u>126TA5009</u></a>
	45	11	130,4	6/10/1932/3248RS, 20/2632ES, 1930ES	<a href="#"><u>165TA4184</u></a>
	47	21	148	260MRT, 600A/AJ, 266/307/266LoPro, 740AJ, 450A/AJ, 400S/400SJ, 40H/40H+6, 800A/800AJ	<a href="#"><u>126TA5962</u></a>
	56	25	112	260MRT, 740AJ, 600SC/SJC, 400S/460SJ, 800A/800AJ	<a href="#"><u>128TA4271</u></a>
	56,5	25,6	111	1500AJP, 800S/860SJ, 1200/1350SJP, 680S, 1100SB, 1850SJ	<a href="#"><u>165TA4185</u></a>





FILTERS					
	Outer diameter mm	Inner diameter mm	Height mm	Used on	REF
	60	34	148	800S/860SJ, 1500SJ, 1200/1350SJP, 1100SB, 680S	<a href="#">128TA4288</a>
	60	34,5	209	400S/460SJ, 510AJ, 450A/450AJ, 450A/AJ SERIES II	<a href="#">126TA5008</a>
	76	17,4	88	40H/40H+6, 400/500RTS, 25/33/40RTS, 3706-4017PS/33.7/37.6, 520AJ, 600A/AJ, 3394/4394RT, 3006H/30.6	<a href="#">139TA7866</a>
	77,5	17,4	84,5	400S/460SJ, 510AJ, 450A/450AJ	<a href="#">165TA4186</a>
	93,5	17,4	180	3508/4017PS, 3507-9/12/13_4007-09/12/13, G9-43A/G10-43A, G6-42A, G5-18A/2505	<a href="#">127TA2848</a>
	93,7	23,2	134	450A/AJ, 3394/4394RT, 26MRT	<a href="#">165TA4187</a>
	96,8	23,2	130	1532/2658E, 1532/3246E2, CM1432[PLUS]-25	<a href="#">126TA5695</a>



FILTERS					
	Outer diameter mm	Inner diameter mm	Height mm	Used on	REF
	126	36,5	178	600A/AJ, 600SC/SJC, 40H/40H+6, 600S/660SJ	<a href="#">165TA4188</a>
	128	36,5	175		<a href="#">165TA4189</a>
	128,5	36,5	170		<a href="#">165TA4190</a>
	128,5	39,6	178		<a href="#">165TA4191</a>
<b>Fuel filters</b>					
	64	45	129	3369LE, E600, E45A, E400A	<a href="#">165TA4192</a>
	77	14,5	72	60HA, 450A/AJ SERIES II, 400S/400SJ, 25/33/40RTS, 520AJ, 400SC	<a href="#">152TA4138</a>
	84	14,5	130	600A/AJ, 740AJ, 600SC/SCJ, 800A/800AJ	<a href="#">165TA3887</a>



## FILTER ACCESSORIES



Switch

Used on 800A

REF [106TA3005](#)

## SET OF FILTERS



**Contains:**

- 2 hydraulic oil filters
- 1 air filter
- 2 fuel filters
- 1 oil filter

Used on 450A

REF [165TA4193](#)



**Contains:**

- 1 gasket return filter

Used on 400 SC, 450 AJ, 520 AJ

REF [165TA4194](#)



## CHASSIS ACCESSORIES



- Length: 1283 mm
- Width: 64 mm
- Height: 38,5 mm

Used on 1930ES

**REF [165TA4195](#)**



- Length: 1560 mm
- Width: 43 mm
- Height: 60 mm

Used on E400A

**REF [165TA4198](#)**



- Length: 1605 mm
- Width: 40 mm
- Height: 157 mm

Used on P25AC, P21, P25,  
TOUCAN JUNIOR 6, TOUCAN  
DUO, TOUCAN JUNIOR 8,  
V1331E, VM1931E, 13MSPT

**REF [165TA4196](#)**



- Length: 2000 mm
- Width: 30 mm
- Height: 149 mm

Used on 330CRT, 260MRT,  
3369LE

**REF [165TA4199](#)**



- Length: 2065 mm
- Width: 32 mm
- Height: 149 mm

Used on 1930ES

**REF [126TA5766](#)**



- Length: 2100 mm
- Width: 32 mm
- Height: 1080 mm

Used on 400RTS

**REF [165TA4200](#)**



- Length: 2225 mm
- Width: 32 mm
- Height: 159 mm

Used on 1100SB, 1930ES

**REF [165TA4197](#)**



- Length: 2915 mm
- Width: 30 mm
- Height: 950 mm

Used on VM2639E,  
TOUCAN1010, TOUCAN1100,  
TOUCAN870, TOUCAN800A,  
TOUCAN800, TOUCAN861,  
V2642E, VM3242E,  
TOUCAN1100A, TOUCAN 870,  
TOUCAN 8E, TOUCAN 10E

**REF [165TA4201](#)**



## CHASSIS ACCESSORIES



- Length: 492 mm
- Width: 32 mm
- Height: 270 mm

Used on 1930ES

**REF [126TA5769](#)**



- Length: 400 mm
- Width 765 mm
- Height: 1160 mm

Used on 1930ES

**REF [165TA4205](#)**



- Length: 763 mm
- Width: 261 mm
- Height: 991 mm

Used on 450A, 510AJ

**REF [165TA4202](#)**



- Outer diameter: 102 mm
- Inner diameter: 17,4 mm
- Height: 37,5 mm

**REF [164TA7099](#)**



- Outer diameter: 110 mm
- Inner diameter: 26 mm
- Height: 50 mm

Used on 1930ES

**REF [126TA5761](#)**



- Handle
- Length: 437 mm

Used on 3394RT

**REF [165TA4206](#)**



- Handle
- Length: 340 mm

**REF [165TA4203](#)**



- Handle
- Length: 185 mm
- Width: 25,3 mm

**REF [126TA5943](#)**



- Lever
- Length: 290 mm
- Axle diameter: 1/2"

Used on 20AM, AM-19

**REF [165TA4204](#)**



## SAFETY CAGE PARTS



- Length: 1418 mm
- Width: 25 mm
- Height: 1042 mm

Used on 1930ES

**REF [165TA4207](#)**



- Length: 630 mm
- Width: 1108 mm
- Height: 233 mm

Used on VM2639E, TOUCAN1210, TOUCAN1010, TOUCAN870, TOUCAN800A, TOUCAN800, TOUCAN861, TOUCAN910, V2039E, V2642E, VM3242E, TOUCAN 12E, TOUCAN 870, TOUCAN 8E, TOUCAN 10E

**REF [165TA4211](#)**



- Length: 233 mm
- Diameter: 25 mm
- Height: 68,53 mm

Used on 600A from serial n° 0300000000 to 0300099999, 600SC, 800A, 800S, 400S, 600S

**REF [139TA5194](#)**



- Length: 1105 mm
- Width: 30 mm
- Height: 232 mm

Used on 150HAX, 3508PS, 3706 PS, 600A from serial n° 0300000000 to 0300099999

**REF [165TA4212](#)**



- Length: 2235 mm
- Width: 39 mm
- Height: 58 mm

Used on 1930/2030/2630/2646/3246ES

**REF [165TA4208](#)** - LH

**REF [165TA4209](#)** - RH



- Length: 790 mm
- Diameter: 30 mm
- Width: 42 mm

Used on 1930ES, TOUCAN 800, TOUCAN 861, TOUCAN 870, TOUCAN 1100(C), TOUCAN 8E/20E, TOUCAN 8E, TOUCAN 10E, TOUCAN 10E/26E

**REF [150TA9931](#)**



- Length: 1560 mm
- Width: 39 mm
- Height: 94 mm

Used on 330CRT, 260MRT, 3369LE

**REF [165TA4210](#)**



- Length: 578 mm
- Diameter: 30 mm
- Height: 475 mm

Used on 1930ES

**REF [126TA5885](#)**



## SAFETY CAGE PARTS



- Length: 1500 mm
- LH

Used on 1930/2030/2630/2646/3246ES

**REF [165TA4213](#)** - LH  
**REF [165TA4214](#)** - RH



- Length: 1300 mm
- Width: 70,5 mm
- Height: 40 mm

Used on 450A, E400A, E600

**REF [165TA4215](#)**



- Length: 1860 mm
- Width: 280 mm
- Height: 180 mm

**REF [139TA5191](#)**



- Length: 1890 mm
- Width: 32 mm
- Height: 149 mm

Used on 1930ES

**REF [165TA4216](#)**



- Length: 1827 mm
- Width: 48,2 mm
- Height: 95 mm

Used on 800A, 600A from serial n° 0300000000 to 0300099999, 600SC, 800S, 400S, 600S

**REF [126TA5783](#)**

## BALL JOINT



- Type of rod end: inner thread
- Length: 34,5 mm
- Thread: 3/8 UNF
- RH/LH thread: RH

Used on 600A/AJ, 600S/600SJ/660SJ, 800A/800AJ

**REF [126TA4813](#)**

## BALL JOINT ROD END



- Outer diameter: 38,2 mm
- Inner diameter: 16 mm
- Height: 55,8 mm

Used on 260MRT, 330CRT

**REF [165TA4217](#)**





## STEERING AXLE ROD ENDS



- Type: tie rod end with axial end
- Thread type: M28 x 1,5 mm
- RH/LH: RH
- Smallest diameter cone: 29 mm

Used on 3614/4017RS,  
3508PS/4017PS,  
3507-09/12/13\_4007-09/12/13,  
4017

REF [165TA4222](#)



- Type: tie rod end with axial end
- Thread type: M28 x 1,5 mm
- RH/LH: RH
- Smallest diameter cone: 30 mm

Used on 3006H/30.6,  
3614/4017RS,  
3507-09/12/13\_4007-09/12/13,  
4017

REF [165TA4223](#)

## CONTROL CABLES

	Cable length mm	Cable diameter mm	Sleeve length mm	Used on	REF
	1070	2	920	E300A, E400A, 340AJ600A from serial n° 0300000000 to 0300099999	<a href="#">126TA5077</a>
	2230	1,6	2120	3394RT	<a href="#">165TA4218</a>
	2285	1,5	2660	25/33/40RTS	<a href="#">126TA5075</a>
	2840	2	2760	1930ES	<a href="#">165TA4219</a>
	3460	1,6	3250	150HAX, 120HX, 100SX, 100HX	<a href="#">126TA5756</a>
	3860	2	3765	1930ES	<a href="#">165TA4220</a>
	3910	2	3825	26MRT, 1532E	<a href="#">139TA5178</a>
	6000	2	5910	330CRT, 3369LE	<a href="#">165TA4221</a>



## DOOR HANDLES



- Length: 70,6 mm
- Grip range: 38,9–54,6 mm
- Non-locking

Used on 3394RT

**REF [126TA5895](#)**



- Length: 60 mm
- Grip range: 35,3–51 mm
- Non-locking

Used on 600A from serial n° 0300000000 to 0300099999, 600SC, 800A, 800S, 600S680S, 601S

**REF [139TA5180](#)**



- Length: 46,4 mm
- Grip range: 19–21 mm

Used on VM2639E, TOUCAN1210, TOUCAN1310, TOUCAN1010, TOUCAN870, TOUCAN861, TOUCAN800, TOUCAN910, V2039E, V2642E, VM3242E, TOUCAN DUO, TOUCAN 870, 13MSPT

**REF [165TA4224](#)**



- Length: 56 mm
- Grip range: 16–26 mm
- Non-locking

Used on 1930ES

**REF [126TA5891](#)**



- Length: 158 mm
- Width: 86 mm

Used on 3369LE

**REF [126TA5892](#)**



- Length: 95 mm
- Width: 42 mm
- Height: 60 mm

Used on 3246E2, 1532E2

**REF [127TA2695](#)**



- Length: 93 mm
- Width: 47 mm
- Height: 58 mm

Used on 1532E3 from serial n° 0200000000 to 0200999999, 100HX, 150HAX, 1532E, G5-18A, 1100S1930ES, 680S, 1200SJP, 800S, 600S, 800A, 1100SB

**REF [126TA5894](#)**



- Length: 120 mm
- Width: 65 mm
- Height: 25 mm

Used on TOUCAN1210, TOUCAN1310, TOUCAN1010, V2642E

**REF [126TA5909](#)**



- Length: 140 mm
- Width: 108 mm

Used on E300A

**REF [165TA4225](#)**



- Length: 150 mm
- Width: 45 mm
- Height: 29,5 mm

Used on 1250AJP, 1200SJP, E600

**REF [152TA8558](#)**



## DOOR HANDLES



- Length: 185 mm
- Thread: M6

Used on 330CRT, 260MRT

**REF [165TA4226](#)**



- Length: 84,5 mm
- Width: 68,5 mm

Used on 26MRT, 3369ELECTRIC

**REF [165TA4228](#)**



- Length: 152 mm
- Width: 35 mm

Used on 1200SJP, E600, 1250AJP

**REF [126TA5893](#)**



- Length: 100 mm
- Width: 48 mm

Used on 150HAX, 25RTS, 120HX, 100SX, 100HX, 400RTS, 30E, E600, E45A, 30electric601S

**REF [126TA5911](#)**



- Length: 97 mm
- Width: 62 mm

**REF [165TA4227](#)**



- Width: 95 mm
- Height: 121 mm
- Turn clockwise to open

Used on 1532E3 from serial n° 0200000000 to 0200999999, 1532E

**REF [126TA5118](#)**



- Width: 95 mm
- Height: 121 mm
- Turn counterclockwise to open

Used on 30E, 3369ELECTRIC, 400S, E300A, 30electric

**REF [126TA5117](#)**



- Length: 159 mm
- Width: 98 mm

Used on 3394RT

**REF [165TA4229](#)**



## LATCHES



- Length: 113 mm
- Width: 40 mm
- Height: 32 mm

Used on 450A, 450AJ, 510AJ, 340AJ

**REF [144TA9222](#)**



Thread: M22 x 1,5 mm

Used on 400S/460SJ, 400S/400SJ, E300A/AJ/AJP, E300A(J)(P)

**REF [139TA5188](#)**



- Length: 254 mm
- Width: 31,1 mm

Used on 1532E3 from serial n° 0200000000 to 0200999999, 3246E2, 1532E, 3369LE, 1532E2

**REF [126TA5120](#)**

## HINGES



- Length: 102 mm
- Width: 76 mm
- Height: 19,5 mm

Used on 100SX, 400S, E300A, 450A, 600A from serial n° 0300000000 to 0300099999, 600SC, 800A, E600, 450AJ, 800S, 600S

**REF [165TA4230](#)**



- Length: 78 mm
- Width: 69 mm
- Height: 26 mm

Used on 3394RT

**REF [126TA5119](#)**



- Length: 102 mm
- Width: 61 mm
- Height: 20 mm

Used on E300A, 3369LE, 400S, 15DVL

**REF [127TA2698](#)**



- Length: 50 mm
- Width: 50 mm
- Height: 11,5 mm

**REF [126TA5774](#)**



## HINGES



- Length: 51 mm
- Width: 57 mm
- Height: 13 mm

Used on 450A, 450AJ, 510AJ

**REF [165TA4231](#)**



- Length: 102 mm
- Width: 48 mm
- Height: 19,5 mm

Used on 1230ES, 1930ES, 9MP, 450A, 800A, 1200SJP, 1250AJP, 800S, 400S, 600SC, 600A from serial n° 0300000000 to 0300099999, 15DVL, 600S, E300A, E400A, E600, 510AJ, 67SL, 1500SJ, 340AJ, 1100S, 3508PS, L2906H, 8042, G9-43A, 3706 PS, SKYTRAK 6036, 1044C-54 SERIES II, 534D-9, 544D, 1850SJ, 680S, G6-42P, 644E-42, G5-19A, G6-42A, G10-55A, SKYTRAK 6042, TOUCAN 12E, TOUCAN 8E

**REF [165TA4232](#)**



- Length: 102 mm
- Width: 89 mm
- Height: 14 mm

Used on TOUCAN DUO, 13MSPT

**REF [126TA5776](#)**



- Length: 301 mm
- Width: 130 mm
- Diameter: 12,5 mm

**REF [126TA5775](#)**



CABLE GUIDES					
	Outside dimensions mm	Inside dimensions mm	Material	Used on	REF
	187 x 51	177 x 39	Steel	600A/AJ	<a href="#">165TA4233</a>
	148 x 51	140 x 39	Steel	680S, 800S	<a href="#">165TA4234</a>
	149 x 52	136 x 38	Steel	510AJ	<a href="#">165TA4235</a>
	85 x 32,5	63 x 25	Plastic	VM2639E, TOUCAN1010, TOUCAN870, TOUCAN800A, TOUCAN800, TOUCAN910, V2039E, V2642E, VM3242E, TOUCAN 12E, TOUCAN 870, TOUCAN 8E, TOUCAN 10E	<a href="#">151TA1131</a>
	269 x 64	116 x 45	Plastic	800A	<a href="#">126TA5489</a>
	197 x 64	180 x 44	Plastic	600S/600SJ/660SJ, 601S	<a href="#">126TA5488</a>
	106 x 50	100 x 34	Plastic	TOUCAN 860, TOUCAN 861, TOUCAN 1100, TOUCAN 1100(A) (C)	<a href="#">151TA1135</a>
	151 x 51	118,5 x 30	Steel	TOUCAN1100, TOUCAN861, TOUCAN860, TOUCAN1100A	<a href="#">128TA4754</a>
	173,5 x 51	140 x 30	Steel	1200SJP, 1500SJ, 1100S, 1100SB	<a href="#">126TA5485</a>



CABLE GUIDES					
	Outside dimensions mm	Inside dimensions mm	Material	Used on	REF
	221,5 x 51	187 x 27	Steel	400S, 600A from serial n° 0300000000 to 0300099999	<a href="#">126TA5487</a>
	151 x 51	136 x 38	Steel	510AJ	<a href="#">165TA4236</a>
	155 x 52	115 x 39	Steel	VM2639E, TOUCAN1100, TOUCAN870, TOUCAN800A, TOUCAN800, TOUCAN861, V2039E, VM3242E, TOUCAN1100A, TOUCAN 870, TOUCAN 8E, TOUCAN 10E	<a href="#">165TA4237</a>
	157,5 x 81	132,5 x 49	Steel	800S/860SJ, 680S	<a href="#">165TA4238</a>
	167 x 81	143 x 49	Steel	600SC/SJC, 600S/600SJ	<a href="#">165TA4239</a>
	116 x 45	116 x 45	Plastic	1230ES	<a href="#">128TA4755</a>
	37,5 x 15,3	29,3 x 10	Plastic	TOUCAN1210, TOUCAN1010, TOUCAN1310, TOUCAN910, V2642E	<a href="#">165TA4240</a>
	73,5 x 30	49 x 24	Plastic	450A, E400A	<a href="#">151TA1141</a>
	84,5 x 32,5	58 x 28	Plastic	450A	<a href="#">165TA4241</a>





## PARTS OF CABLE GUIDES



- Length: 102 mm
- Width: 54 mm

Used on 600S

**REF [126TA5492](#)**



- Length: 185 mm

Used on E300A, 600A from serial n° 0300000000 to 0300099999, 450A, E45A, E400A, 400S

**REF [126TA5494](#)**



- Length: 72 mm
- Width: 63 mm

Used on VM2639E, TOUCAN1010, TOUCAN870, TOUCAN800A, TOUCAN800, TOUCAN910, V2039E, V2642E, VM3242E, TOUCAN 12E, TOUCAN 870, TOUCAN 8E, TOUCAN 10E

**REF [151TA1138](#)**



Repair section kit

Used on 600SC, 600S, 601S

**REF [165TA4242](#)**

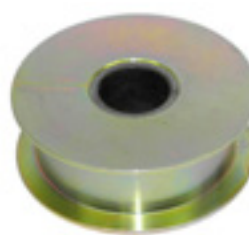
## MAST ROLLERS UPRIGHT



- Outer diameter: 47,6 mm
- Outer diameter axle: 25,4 mm
- Width outer ring: 25,3 mm
- Thread: 1" UNS

Used on 800S, 25RTS, 400RTS, 600A from serial n° 0300000000 to 0300099999, 450A, 600SC, 800A, 450AJ, 400S, 600S, 510AJ680S, 601S

**REF [139TA5173](#)**



- Outer diameter: 87,6 mm
- Inner diameter: 25,5 mm
- Width outer ring: 30 mm

Used on 25RTS, 400RTS

**REF [165TA4243](#)**



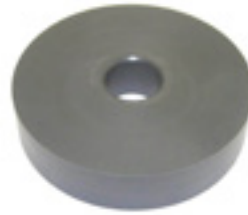
## PARTS OF UPRIGHT



- Length: 145 mm
- Width: 62 mm
- Diameter: 44,6 mm

Used on 3394/4394RT

**REF [139TA5200](#)**



- Outer diameter: 110 mm
- Inner diameter: 26 mm
- Height: 25 mm

Used on 600SC, 600S, 601S

**REF [165TA4247](#)**



- Outer diameter: 53,3 mm
- Inner diameter: 20 mm
- Height: 19 mm



Used on 3394RT

**REF [126TA5781](#)**

## HOSE REEL SHEAVES

	Inner diameter mm	Outer diameter mm	Width mm	Material	Used on	REF
	13	64,4	19,1	Plastic	150HAX, 120HX, 100HX, 100SX, 600SC, 600S, 601S	<b><a href="#">139TA5199</a></b>
	13,5	51	210	Plastic	600SC, 800S, 600S, 680S, 601S	<b><a href="#">165TA4244</a></b>
	16	100	51	Plastic	3394RT	<b><a href="#">165TA4245</a></b>



HOSE REEL SHEAVES						
	Inner diameter mm	Outer diameter mm	Width mm	Material	Used on	REF
	60	164	27	Plastic	20AM, 15DVL, SSV10	<a href="#">165TA4246</a>
	8	50	10,5	Plastic	SL153-12E, 67SL	<a href="#">139TA5193</a>

RUBBER MOUNTS						
	Type of mounting	Diameter mm	Length mm	Overall length mm	Used on	REF
	Pad with 1 x outer thread	30	15	35,5	1532E3 from serial n° 0200000000 to 0200999999, 330CRT, 260MRT, 3369LE	<a href="#">165TA4248</a>
	AE-pad with oval mounting flange	13,5	70	120,5	SL153-12E, 67SL	<a href="#">126TA4815</a>
	AE-pad with oval mounting flange	13,7	63,5	117	340AJ, 600A/AJ, 450A/450AJ, 400S/460SJ, 510AJ, 33/4394RT	<a href="#">152TA3085</a>
	Rectangular or square pad with 2 holes	26	52	198	P40, TOUCAN800A, P25AC, P21, P30, P20, P25, TOUCAN JUNIOR 6, TOUCAN800, TOUCAN910, TOUCAN DUO, TOUCAN JUNIOR 8, V1331E, V2039E, VM1931E, VM2639E, TOUCAN1210, 13MSPT, TOUCAN 8E, TOUCAN1310, TOUCAN 10E, P30AC	<a href="#">165TA4249</a>



## ROD ENDS WITHOUT SPHERICAL BEARING



- Diameter: 19 mm
- Width: 17,4 mm
- Thread: 3/4" UNF
- Pitch: 16 Pi
- RH/LH: RH

Used on E600

**REF [139TA5197](#)**



- Diameter: 25,3 mm
- Width: 17 mm
- Thread: 3/4" UNF
- Pitch: 16 Pi
- RH/LH: RH

Used on 450AJ, 330CRT, 400S, 450A, E45A, E400A, 3394RT, 510AJ

**REF [165TA4254](#)**

## RUBBER PARTS



- Length: 328 mm
- Width: 27 mm
- Height: 5 mm

Used on 1532E3 from serial n° 0200000000 to 0200999999, 15VPSP, 30E, 1532E, 3369ELECTRIC, 3369LE, E600, E45A, E400A, 15DVL, E300A, 30electric, CM2033, 10VP, CM20N, G5-18A

**REF [165TA4253](#)**



- Length: 637 mm
- Width: 26 mm
- Height: 5,2 mm

Used on H340AJ, M/E600/J/JP, G5-18A/2505H AGROVECTO, E/6450A/AJ, 3369/4069LE/M3369/4069

**REF [112TA9583](#)**



## STEEL CABLES

	Total length mm	Diameter mm	Used on	REF
	165	2,15	15/20MSP/MVL, 530LRT, 33/4394RT, 33/4069LE-M33/4069 260MRT	<b><a href="#">126TA4768</a></b>
	165	2,5	1930ES	<b><a href="#">126TA5070</a></b>
	1535	2	600SC, 600S, 601S	<b><a href="#">165TA4250</a></b>
	6530	7,94	600SC, 600S, 601S	<b><a href="#">165TA4251</a></b>
	11 581	11,1	1532E3 from serial n° 0200000000 to 0200999999, CM1432, 1930ES, 3246E2, 26MRT, 25RTS, 400RTS, 3369ELECTRIC, 1532E, 3394RT, CM2033, L2906H, 8042, G9-43A, 1532E2, SKYTRAK 6036, 1044C-54 SERIES II, 534D-9, 544D, G6-42P, 644E-42, G6-42A, G10-55A, SKYTRAK 6042	<b><a href="#">165TA4252</a></b>



SUPPORTS				
	Number of holes	Material	Used on	REF
	2	Metal	1930ES	<a href="#">165TA4255</a>
	2	Metal	1230ES, 1930ES, TOUCAN 12E, TOUCAN 8E, TOUCAN 10E, SSV10	<a href="#">126TA5099</a>
	2	Metal	1930ES	<a href="#">165TA4256</a>
	2	Metal	450A, 510AJ	<a href="#">165TA4257</a>
	2	Metal	510AJ, 450A/450AJ, 450A/AJ SERIES II	<a href="#">165TA4258</a>
	3	Metal	1930ES	<a href="#">126TA5091</a>
	4	Metal	450A, 1250AJ, 800A, 1200SJP, 800S, 400S, 600SC, 600A from serial n° 0300000000 to 0300099999, 600S, E600, 510AJ, 1500SJ, 1100S1850SJ, 1100SB	<a href="#">165TA4259</a>
	4	Metal	3394RT	<a href="#">165TA4260</a>



SUPPORTS				
	Number of holes	Material	Used on	REF
	4	Metal	330CRT, 3369LE	<a href="#">165TA4261</a>
	7	Metal	1930ES	<a href="#">165TA4262</a>

WEAR PADS				
	Length mm	Material	Used on	REF
	19	Plastic	3394/4394RT	<a href="#">139TA5205</a>
	42,5	Plastic	1930ES	<a href="#">165TA4263</a>
	55,5	Plastic	600A from serial n° 0300000000 to 0300099999, 800A, 1200SJ, E600, 800S, 600SC, 600S, 1500SJ, 1100S, 680S, 1100SB	<a href="#">165TA4264</a>
	74	Plastic	E300A, 450A, E600, E45A, E400A, 450AJ, 510AJ	<a href="#">165TA4265</a>
	77,5	Plastic	260MRT, 3394/4394RT, 33/4394RT, 3369/4069LE/M3369/4069	<a href="#">139TA5202</a>
	153	Plastic and steel	1930ES	<a href="#">127TA2694</a>



WEAR PADS				
	Length mm	Material	Used on	REF
	126,4	Plastic	20/2632ES, 1930ES, 1930/2030/2630/2646/3246ES	<a href="#">139TA5201</a>
	127,5	Steel	600A from serial n° 0300000000 to 0300099999, 600SC, 800A, 1250AJP, E600, T350, 600S, 800S, 601S	<a href="#">165TA4266</a>
	152,5	Plastic	800S, 600A from serial n° 0300000000 to 0300099999, 450A, 450AJ, 400S, 3394RT, 600S, 510AJ, 340AJ800A, 600SC, 680S, 601S	<a href="#">165TA4267</a>
	203	Plastic and steel	1930ES	<a href="#">139TA5179</a>
	203	Plastic	150HAX, 600A from serial n° 0300000000 to 0300099999, 400S, 450A, EASI-CLADDER	<a href="#">165TA4268</a>
	203	Plastic	E300A, 600A from serial n° 0300000000 to 0300099999, 600SC, 450A, 800A, 1200SJP, E600, E400A, 1250AJP, 800S, T350, 600S, 510AJ, 1500SJ, 1100S, 1850SJ, 680S, 1100SB	<a href="#">165TA4269</a>
	205	Plastic and steel	600SC, 800S, 600S, 680S, 601S	<a href="#">165TA4270</a>
	230	Steel	30E, 450A, 600A from serial n° 0300000000 to 0300099999, 600SC, E45A, E400A, 450AJ, 600S, 30electric, 510AJ, 601S	<a href="#">165TA4271</a>





BALL JOINT ROD ENDS					
	Outer diameter mm	Inner diameter mm	Length mm	Used on	REF
	38	16	56	25RTS, 400RTS	<a href="#">139TA5196</a>
	38	16	59	3246E2, 1532E2	<a href="#">126TA5103</a>
	38,5	16	59	450A, 800A, 1200SJP, 1250AJP, 400S, 800S, 510AJ, 1500SJ, 1100S, 680S, 3394RT, 1100SB	<a href="#">165TA4272</a>
	44,5	19	63	260MRT, 26MRT, 330CRT, 30E, 3369ELECTRIC, 30electric	<a href="#">126TA5104</a>
	70	25,6	92,4	3246E2, 1532E2	<a href="#">126TA5102</a>
	70,5	25,4	93	25RTS, 400RTS	<a href="#">126TA5101</a>



## STEERING KNUCKLES



- Steering knuckle RH or LH: LH
- Diameter 1: 45,2 mm
- Diameter 2: 57 mm
- Thread: 1 1/4" UNF
- Pitch: 12 Pi

Used on E45A, E400A

REF [165TA4273](#)



- Steering knuckle RH or LH: RH
- Diameter 1: 45,2 mm
- Diameter 2: 57 mm
- Thread: 1 1/4" UNF
- Pitch: 12 Pi

Used on E/M450A/AJ, A/M400-450A/AJ/AJP NARROW

REF [165TA4275](#)

## KING PIN



- Diameter: 124 mm
- Diameter holes: 13 mm

Used on TOUCAN1010, TOUCAN910

REF [139TA5189](#)

## LINK STEERING CYLINDER



- Minimum distance between holes: 101 mm
- Maximum width at the hole: 33 mm
- Total length: 134 mm
- Diameter smallest hole: 12 mm

Used on 1932R, 20/2632ES, 1930ES, 1930/2030/2630/2646/3246ES

REF [126TA5087](#)

## DIFFERENTIAL PARTS



- Diameter: 190 mm
- Number of mounting holes: 2

Used on M/E600/J/JP, 400S/400SJ, 400S/460SJ, 3394/4394RT, E/M600J/JP, E300A(J)(P)

REF [165TA4274](#)



- Diameter: 197 mm
- Number of mounting holes: 12

Used on 800A, 1200SJP, 800S, 680S, 600S

REF [160TA9591](#)



- Diameter: 198 mm
- Number of mounting holes: 12 x Ø 9 mm

Used on 400S, E300A, 3369LE, E600, E45A, E400A, 3394RT

REF [160TA9698](#)



## ENGINE COVERS



- Length: 1720 mm
- Width: 500 mm
- Height: 585 mm

Used on 400S

**REF [165TA3938](#)**



- Length: 2750 mm
- Width: 1130 mm

Used on TOUCAN1010

**REF [165TA4279](#)**



- Length: 750 mm
- Width: 560 mm
- Height: 325 mm

Used on E-M450A/AJ,  
A/M400/450A/AJ/AJP NARROW

**REF [165TA4276](#)**

## PROTECTIVE COVERS



- Length: 900 mm
- Width: 310 mm
- Height: 300 mm

Used on TOUCAN 10E

**REF [165TA4277](#)**



- Length: 1017 mm
- Width: 310 mm
- Height: 95 mm

Used on 260MRT, 3394RT

**REF [165TA4280](#)**



Length: 1100 mm

Used on 20/2632ES, 1930ES,  
1930/2030/2630/2646/3246ES

**REF [165TA4278](#)**



- Length: 1100 mm
- Width: 1100 mm

Used on 450A

**REF [165TA4281](#)**



## PROTECTIVE COVERS



Length: 1300 mm  
Used on 450A, 450AJ, 510AJ

**REF [165TA4282](#)**



Length: 1490 mm  
Used on 30E, E45A, E400A, 30electric

**REF [165TA4286](#)**



- Length: 1740 mm
- Width: 510 mm
- Height: 585 mm

Used on TOUCAN1010, TOUCAN910, V2642E

**REF [150TA9939](#)**



- Length: 1750 mm
- Width: 1100 mm

Used on 600A/AJ

**REF [165TA4287](#)**



- Length: 2110 mm
- Width: 630 mm
- Height: 670 mm

Used on 800S, 680S

**REF [165TA4283](#)**



- Length: 770 mm
- Width: 510 mm
- Height: 450 mm

Used on TOUCAN 6/8B, 13MSPT/TOUCAN DUO, TOUCAN JUNIOR 8, V1331E

**REF [165TA4288](#)**



- Length: 810 mm
- Width: 280 mm
- Height: 160 mm

Used on TOUCAN1210, TOUCAN1310

**REF [165TA4284](#)**



- Length: 830 mm
- Width: 570 mm

Used on 600A from serial n° 0300000000 to 0300099999

**REF [165TA4289](#)**



- Length: 870 mm
- Width: 620 mm

Used on 9MP, 20AM, 15VPSP, 15DVL

**REF [165TA4285](#)**



- Length: 985 mm
- Width: 340 mm

Used on 3394RT

**REF [165TA4290](#)**



## PROTECTIVE COVERS



**Piece 1:**

- Length: 1050 mm
- Width: 1830 mm
- Height: 410 mm

**Piece 2:**

- Length: 1050 mm
- Width: 1800 mm
- Height: 370 mm

Used on 800S, 600S

**REF [165TA4292](#)**



- Length: 877 mm
- Width: 417,7 mm
- Height: 69 mm

Used on TOUCAN1100, TOUCAN860, TOUCAN1100A

**REF [165TA4293](#)**



- Length: 1535 mm
- Width: 800 mm
- Height: 1065 mm

**REF [165TA4291](#)**



- Length: 790 mm
- Width: 430 mm
- Height: 480 mm

Used on 30E, 450A, E45A, E400A, 450AJ, 30electric

**REF [165TA4296](#)**



- Length: 1020 mm
- Width: 313 mm
- Height: 100 mm

**REF [165TA4294](#)**



- Length: 840 mm
- Width: 580 mm
- Height: 330 mm

Used on 600A from serial n° 0300000000 to 0300099999, 100SX, 400S, E300A, 450A, 600SC, 800A, 1200SJP, E600, E45A, E400A, 1250AJ, 450AJ, 800S, 600S, 510AJ, 1500SJ, 340AJ, 1100S, 1850SJ, 680S, 1100SB, TF6-42, 601S, 400SC

**REF [165TA4295](#)**



## PROTECTIVE COVERS



- Length: 1110 mm
- Width: 690 mm
- Height: 610 mm

Used on 450A

**REF [165TA4297](#)**



- Length: 2000 mm
- Width: 800 mm
- Height: 900 mm

Used on 1250AJP, 1200SJP, 1100SB

**REF [165TA4300](#)**



- Length: 2390 mm
- Width: 590 mm
- Height: 940 mm

Used on 600S

**REF [165TA4298](#)**



- Length: 1360 mm
- Width: 495 mm
- Height: 510 mm

Used on TOUCAN860, TOUCAN1100, TOUCAN1100A

**REF [150TA9938](#)**



- Length: 1360 mm
- Width: 490 mm
- Height: 530 mm

Used on 330CRT, 260MRT, 3369LE, 3394RT

**REF [150TA9937](#)**



- Length: 1200 mm
- Height: 400 mm

Used on TOUCAN 1100, TOUCAN 1100C

**REF [165TA4301](#)**



- Length: 750 mm
- Width: 730 mm
- Height: 185 mm

Used on 10 MSP, SSV-10

**REF [165TA4299](#)**



- Length: 1321 mm
- Width: 527 mm
- Height: 32 mm

Used on 800S, 680S

**REF [165TA4302](#)**



- Length: 690 mm
- Width: 195 mm
- Height: 50 mm

Used on 450A, 510AJ

**REF [126TA5902](#)**



- Length: 825 mm
- Width: 715 mm
- Height: 220 mm

Used on 3369LE

**REF [165TA4303](#)**



## PROTECTIVE COVERS



- Length: 442 mm
- Width: 330 mm
- Height: 45 mm

Used on E45A, E400A

**REF [126TA5900](#)**



- Length: 260 mm
- Width: 255 mm
- Height: 360 mm

**REF [106TA6807](#)**



- Length: 320 mm
- Width: 900 mm
- Height: 250/360 mm

**REF [143TA5692](#)**

## PLASTIC CAP



- Height: 15 mm
- Diameter: 25 mm

Used on P40, TOUCAN1010, TOUCAN800A, P25AC, P21, P30, P20, P25, TOUCAN JUNIOR 6, TOUCAN800, TOUCAN910, TOUCAN JUNIOR 8, V1331E, VM1931E, TOUCAN DUO, 13MSPT, P30AC

**REF [139TA5203](#)**





GAS SPRINGS/SHOCK ABSORBERS					
	Type	Force N	Centre distance mm	Used on	REF
	Push	1000	360	600A from serial n° 0300000000 to 0300099999, 600SC, 800A, 800S, 600S, 680S	<a href="#">126TA5069</a>
	Push	1000	555	260MRT, E600	<a href="#">165TA4304</a>
	Push	1100	430	600SC, 800A, 800S, 600S, G5-18A, 680S	<a href="#">139TA5175</a>
	Push	400	325	260MRT, M/E600/J/JP	<a href="#">103TA9832</a>
	Push	800	480	3394RT	<a href="#">165TA4305</a>
	Push	930	760	1200SJP, 1250AJP, 1500SJ, 1100S680S, 800S, 600S, 800A, G10-55A, 1100SB	<a href="#">165TA4306</a>

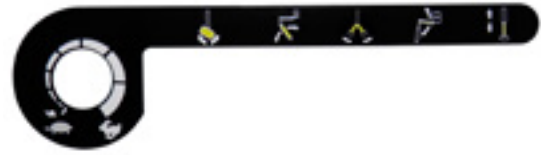


## DECALS



- Diameter: 53 mm
- Used on 1930ES, 153-12, SL153-12E, 260MRT, 3394RT, 245-12D, 1932RS/6RS

REF [123TA5021](#)



- Length: 405 mm
- Height: 110 mm
- Used on E300A, E600, E45A, E400A

REF [126TA3910](#)



- Length: 405 mm
- Height: 110 mm
- Used on 450A, 450AJ

REF [123TA4898](#)



- Length: 405 mm
- Height: 110 mm
- Used on 1250AJP, 1500 AJP, 1200/1350SJP

REF [126TA4548](#)



- Length: 342 mm
- Height: 290 mm
- Used on 26MRT, (N)30/35/40/45E

REF [123TA4899](#)



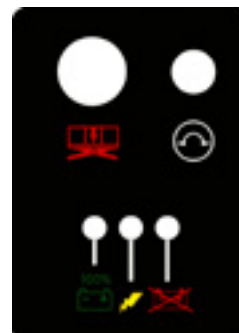
- Length: 400 mm
- Height: 110 mm
- Used on 1200/1350SJP

REF [126TA4183](#)



- Length: 685 mm
- Height: 227 mm
- Used on 400S, E300A, 450A, 600A from serial n° 0300000000 to 0300099999, 800A, 1200SJP, E600, E45A, E400A, 1250AJP, 450AJ, 800S, 600S, 510AJ, 1500SJ, 340AJ, 1100S, 3706 PS, 1850SJ, 680S, 3508PS, 1100SB, TF6-42, 601S

REF [126TA9869](#)

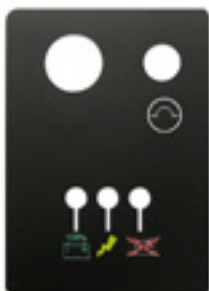


- Length: 62,6 mm
- Height: 88,1 mm
- Used on E300A, E600, E45A, E400A

REF [126TA5128](#)



## DECALS



- Length: 63 mm
- Height: 88 mm

Used on 20/2632ES, 1930ES, 1230ES, 1930/2030/2630/2646/3246ES

REF [126TA5127](#)



- Length: 114 mm
- Height: 31 mm

Used on 800A, 800S, 100HX, 450A Series II, 600S, E300A, E600, E400A, E450A, 150HAX, CM1432, 400S, 1250AJP, 120HX, 100SX, 30E, 260MRT, 800AJ, 450A, 600A, 600SC, 1200SJP, E45A, 450AJ, 30electric, 40IC, TOUCAN DUO, 510AJ, 10VP, 3369LE

REF [123TA5006](#)



- Length: 115 mm
- Height: 31 mm

Used on 1532E3, 150HAX, 3246E2, 120HX, 100SX, 100HX, 400S, E300A, 450A, 600A, 600SC, 800A, 1200SJP, 3369ELECTRIC, E600, E45A, E400A, 1250AJP, 30E, 450AJ, 800S, 600S, T350, 510AJ, 1500SJ, 340AJ, 1100S, 3508PS, 3706 PS, 1532E2, 1850SJ, 680S, 1100SB

REF [123TA4895](#)



- Length: 130 mm
- Height: 80 mm

Used on 20/2632ES, 1930ES, 1230ES, 1930/2030/2630/2646/3246ES

REF [123TA5007](#)



- Length: 185 mm
- Height: 58 mm

Used on 800S, 800A, 450A Series II, 680S, E450A, 400S, 1250AJP, 450A, 600A, 600S, 1200SJP, 660SJ, E400A, 510AJ, E300A, 1500SJ, 340AJ, E300AJ, 600SC, 1850SJ, E600, 400SC

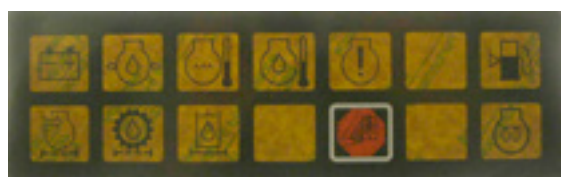
REF [138TA2629](#)



- Length: 185 mm
- Height: 58 mm

Used on 600A/AJ, 450A/AJ, 400S/400SJ

REF [126TA5921](#)



- Length: 185 mm
- Height: 60 mm

Used on 400S/SJ, 600A/AJ, 510AJ, 800S/860SJ, 450A/AJ SERIES II, 600SC/660SJC

REF [138TA2733](#)



- Length: 162 mm
- Height: 48,7 mm

Used on 1200SJP, 1250AJP, 1500SJ, 1100S, 1100SB

REF [126TA9712](#)



## DECALS



- Length: 185 mm
- Height: 60 mm

Used on 1200/1350SJP, 1250AJP, 1500SJ, 1100S/SJP

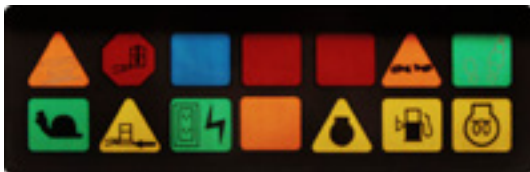
REF [126TA4184](#)



- Length: 186 mm
- Height: 59 mm

Used on 100SX, 400S, E300A, 450A, 600A, 600SC, 800A, 1200SJP, E600, E45A, E400A, 1250AJP, 450AJ, 800S, 600S, 510AJ, 1500SJ, 340AJ, 1100S, 3706 PS, 1850SJ, 680S, 3508PS, 1100SB, 601S, 400SC

REF [126TA3917](#)



- Length: 186 mm
- Height: 59 mm

Used on 450A, 510AJ

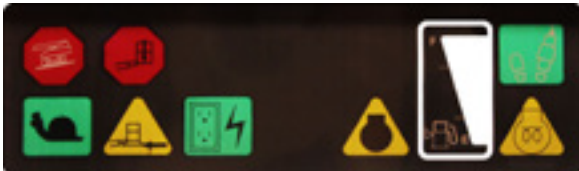
REF [126TA5126](#)



- Length: 186 mm
- Height: 59 mm

Used on 400S, E300A, 450A, 600A, 600SC, 800A, E45A, E400A, 450AJ, 800S, 600S, E600, 510AJ, 340AJ, 680S, 400SC

REF [126TA4549](#)



- Length: 186 mm
- Height: 59 mm

Used on 400S/460SJ, 400S/SJ

REF [126TA9933](#)



- Length: 187 mm
- Height: 60 mm

Used on 600A/AJ, 600S/SJ/660SJ

REF [139TA5208](#)



- Length: 255 mm
- Height: 31 mm

Used on 1930ES, 1230ES

REF [126TA3907](#)



- Length: 255 mm
- Height: 31 mm

Used on 510AJ, 800S, 450A, 800A, 450A Series II, 680S, 600S, E600, E300A, E400A, E450A, 150HAX, 400S, 120HX, 100HX, 100SX, 30E, 600SC, 800AJ, 600A, 1200SJP, E45A, 1250AJP, 601S, 450AJ, 40IC, 660SJ, 1500SJ, 340AJ, 3508PS, E300AJ

REF [123TA4897](#)



## DECALS



- Length: 255 mm
- Height: 31 mm

Used on 510AJ, 800A, 800S, 1230ES, 450A Series II, 680S, 1200SJP, E450A, E400A, E300A, E600, 1930ES, 9MP, 15VPSP, 3246E2, 100SX, 330CRT, 3369LE, 260MRT, 400S, 153-12, SL153-12E, T350, 600A, 600SC, 450A, E45A, 1250AJP, 3394RT

**REF [123TA4655](#)**



- Length: 255 mm
- Height: 32 mm

Used on 800S, 800A, 680S, E450A, 600A, E600, 400S, 600SC, 600S, 660SJ, E400A, E300A, 340AJ, E300AJ

**REF [138TA2085](#)**



- Length: 255 mm
- Height: 32 mm

Used on 450A/AJ, 450A/AJ SERIES II

**REF [126TA3787](#)**



- Length: 256 mm
- Height: 31,5 mm

Used on 1100SB, 1100S/SJP, 1250AJP, 1250AJ, 1500SJ

**REF [126TA9823](#)**



- Length: 256 mm
- Height: 32 mm

Used on E300A, E600, E45A, E400A

**REF [123TA4606](#)**



- Length: 256 mm
- Height: 32 mm

Used on 400S/460SJ, 510AJ, 600AS/SJ/660SJ, 800A/AJ

**REF [162TA8536](#)**



- Length: 257 mm
- Height: 32 mm

Used on E300A, E600, E45A, E400A

**REF [126TA3909](#)**



- Length: 257 mm
- Height: 32 mm

Used on 600A/AJ, 600SC/660SJC

**REF [138TA3276](#)**



## DECALS



- Length: 257,17 mm
- Height: 31,75 mm

Used on 450A, 600A from serial n° 0300000000 to 0300099999, 800A, 600S, 450AJ, 601S

**REF [126TA4325](#)**



- Length: 116 mm
- Height: 19 mm

Used on 1532/3246 E2, 1532/2658 E3, 1532/1932/2032/2632/2646/3246E2

**REF [126TA4725](#)**



- Length: 258 mm
- Height: 32 mm

Used on 450A/AJ, 510AJ, 600SC/SJC, 600S/660SJ, 740AJ, 800AJ, 800S/860SJ

**REF [163TA1994](#)**



- Length: 260 mm
- Height: 32 mm

Used on M/E600/J/JP, E/M450A/AJP, E/M400/450A/AJ/AJP NARROW

**REF [163TA1831](#)**



- Length: 95 mm
- Height: 195 mm

**REF [139TA1887](#)**



- Length: 220 mm
- Height: 138 mm

Used on 3369/4069LE/M3369/4069

**REF [123TA4901](#)**



- Length: 222 mm
- Height: 260 mm

Used on 400/500RTS, 25/33/40RTS

**REF [126TA4292](#)**



- Length: 400 mm
- Height: 110 mm

Used on 1200/1350SJP

**REF [165TA4307](#)**





## DECALS



- Length: 403 mm
- Height: 108 mm

Used on 680S, 800S/860SJ

REF [165TA4308](#)



- Length: 405 mm
- Height: 109 mm

Used on 450A/AJ, 510AJ

REF [163TA3385](#)



- Length: 405 mm
- Height: 110 mm

Used on 400S/460SJ

REF [163TA4046](#)



- Length: 405 mm
- Height: 110 mm

Used on M/E600/J/JP, E/M450A/AJ

REF [163TA7561](#)



- Length: 405 mm
- Height: 110 mm

Used on 600S/660SJ

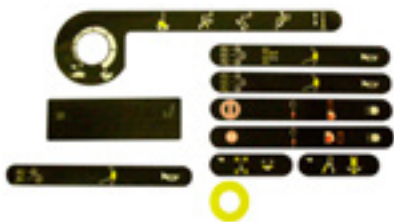
REF [163TA2429](#)



- Length: 406 mm
- Height: 108 mm

Used on 600A/AJ

REF [165TA4310](#)



- Length: 407 mm
- Height: 110 mm

Used on 450A/AJ, 450A/AJ SERIES II, 510AJ

REF [165TA4309](#)



- Length: 410 mm
- Height: 110 mm

Used on E/M400/450A/AJ/AJP NARROW, E300A(J)(P), E/M600J/JP

REF [162TA7804](#)





## DECALS



- Length: 44 mm
- Height: 19 mm

REF [126TA4169](#)



- Length: 50 mm
- Height: 38 mm

Used on R6,R10,  
6/10/1932/3248RS, 20/2632ES,  
1930ES

REF [138TA2718](#)



- Length: 50 mm
- Height: 64 mm

Used on E450A, 1930ES,  
SL153-12E, T350, E600, E400A,  
3369LE, E300A, E300AJ

REF [107TA8029](#)



- Length: 62 mm
- Height: 32 mm

Used on 1100SB,  
1100S/SJP, 1200/1350SJP,  
1250AJ, 1500AJ

REF [138TA2084](#)



- Length: 64 mm
- Height: 50 mm

Used on H340AJ, X700AJ,  
X600AJ, X26JP/1/X770AJ

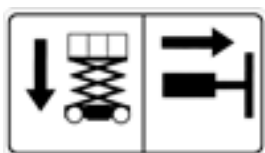
REF [123TA4658](#)



- Length: 65 mm
- Height: 65 mm

Used on 1930ES, 153-12,  
SL153-12E, 245-12D,  
1932RS/6RS

REF [123TA5154](#)



- Length: 102 mm
- Height: 54 mm

Used on R6, R10, 260MRT,  
1932R, 1930/3246ES,  
3394/4394RT

REF [138TA1523](#)



- Length: 74 mm
- Height: 55 mm

Used on 800A, 450A Series II,  
600S, E300A, E600, 400S, 600A,  
450A, 600SC, 1250AJ, 450AJ,  
1200SJP, 660SJ, 510AJ, 340AJ,  
E300AJ, TF6-42, 601S, 400SC

REF [107TA8027](#)



## DECALS



- Length: 76 mm
- Height: 20 mm

Used on 800A, 800S, 450A Series II, 680S, E300A, E400A, E600, 153-12, E450A, 150HAX, 600S, CM1432, 400S, 1930ES, 9MP, 26MRT, 120HX, 100HX, 100SX, 400RTS, SL153-12E, 600A, 800AJ, 450A, 600SC, 3369ELECTRIC, 260MRT, 1532E

**REF [123TA5136](#)**



- Length: 76 mm
- Height: 32 mm

Used on 600A/AJ, 1500AJP, E/M600J/JP, 400SC, 740AJ, 450A/AJ

**REF [126TA3779](#)**



- Length: 157 mm
- Height: 68 mm

Used on 450A, 800A, 800S, 400S, 600SC, 600A from serial n° 0300000000 to 0300099999, 600S, 680S

**REF [139TA5206](#)**



- Length: 157 mm
- Height: 68 mm

Used on 600A/600AJ, 600SC/SJC, 740AJ, 800A/800AJ, 800S/860SJ, 1250AJP

**REF [163TA5148](#)**



- Length: 160 mm
- Height: 70 mm

Used on 1930ES, 20/2632ES, 1930/2030/2630/2646/3246ES

**REF [139TA2944](#)**



- Length: 185 mm
- Height: 59 mm

Used on 740AJ, 800A//AJ

**REF [138TA2674](#)**



- Length: 185 mm
- Height: 60 mm

Used on 800S/860SJ, 680S

**REF [126TA4487](#)**



- Length: 121 mm
- Height: 63 mm

Used on 1930ES

**REF [138TA1904](#)**



## DECALS



- Length: 127 mm
- Height: 63 mm

Used on R6/R10, 260MRT, 3394/4394RT, 20/2632ES, 1930/3246ES

**REF [138TA1858](#)**



- Length: 133 mm
- Height: 47 mm

Used on 1230ES, 1532E3 from serial n° 0200000000 to 0200999999, 153-12, 1930ES, 3246E2, 330CRT, 3369LE, 260MRT, SL153-12E, 3394RT, 245-12D, 67SL, 1532E2, 1932RS/6RS

**REF [138TA2383](#)**



- Length: 150 mm
- Height: 140 mm

Used on 1930ES

**REF [138TA2683](#)**



- Length: 153 mm
- Height: 52 mm

Used on 1930/3246ES, 20/2632ES, 1930ES

**REF [138TA2816](#)**



- Length: 70 mm
- Height: 55 mm

Used on X20JP/X600AJ, H340AJ, X26JP/1/X770AJ, 400SC, E600/J/JP-M600/J/JP

**REF [138TA2210](#)**



- Length: 76 mm
- Height: 102 mm

Used on 260MRT, 3394/4394RT, 33/4394RT, 245-12D

**REF [138TA1808](#)**



- Length: 76 mm
- Height: 120 mm

Used on 100SX, 400S, 450A, 600A from serial n° 0300000000 to 0300099999, 600SC, 800A, 450AJ, 600S, 601S

**REF [107TA8031](#)**



- Length: 180 mm
- Height: 208 mm

Used on 800S, 800A, 680S, E450A, 400S, E600, 1250AJ, 600SC, 600A from serial n° 0300000000 to 0300099999, 600S, 1200SJ, 660SJ, E400A, E300A, 1500SJ, 340AJ, E300AJ, 1850SJ, 400SC

**REF [138TA2334](#)**



## DECALS



- Length: 196 mm
- Height: 80 mm

Used on H340AJ, 400SC, 520AJ, 600A/AJ

REF [138TA2673](#)



- Length: 198 mm
- Height: 156 mm

Used on 450A, 450AJ, 510AJ, 601S

REF [138TA2216](#)



- Length: 228 mm
- Height: 204 mm

Used on 1930/3246ES, 1930/2030/2630/2646/3246ES

REF [138TA3674](#)



- Length: 245 mm
- Height: 64 mm

Used on 260MRT, 3394/4394RT, 33/4394RT, 3369/4069LE/M3369/4069

REF [138TA2035](#)



- Length: 305 mm
- Height: 325 mm

Used on 450A, 800S, 680S, 600S, 800A

REF [138TA2209](#)



- Length: 305 mm
- Height: 70 mm

Used on 800S, 450A Series II, 450A, 510AJ

REF [138TA2215](#)



- Length: 127 mm
- Height: 63 mm

Used on 20/2632ES, 1930ES, 1930/2030/2630/2646/3246

REF [163TA7571](#)



- Length: 198 mm
- Height: 156 mm

Used on 600SC/SCJ, 740AJ, 600S/660SJ, 800A/800AJ, 1250AJP, 1200/1350SJP

REF [163TA5107](#)



## DECALS



- Length: 230 mm
- Height: 100 mm

Used on H340AJ, E300A/A300AJ/  
E300AJP, 340AJ, E/M450A/AJ

**REF [123TA4609](#)**



- Length: 170 mm
- Height: 73 mm

Used on 15/20MSP/MVL, 520AJ,  
600A/AJ, 530LRT

**REF [126TA3887](#)**



- Length: 64 mm
- Height: 19 mm

Used on 1930ES, 660SJ, 600S,  
1230ES

**REF [139TA5207](#)**



- Length: 510 mm
- Height: 220 mm

Used on E600/J/JP-M600/J/JP,  
740AJ, 800A/AJ, 800S/860SJ

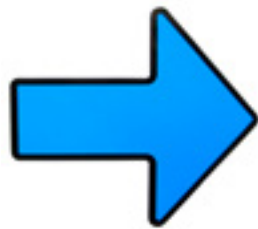
**REF [138TA2678](#)**



- Length: 305 mm
- Height: 130 mm

Used on 600S, 100SX,  
400S, 600A from  
serial n° 0300000000 to  
0300099999, 600SC, 450A, 800A,  
1200SJP, 800S, 510AJ, 340AJ,  
680S, TF6-42, 601S

**REF [107TA8702](#)**



- Length: 180 mm
- Height: 228 mm

**REF [123TA4979](#)**



- Length: 170 mm
- Height: 170 mm

**REF [165TA4311](#)** – Yellow

**REF [165TA4312](#)** – Blue



## LOAD WHEEL



- Diameter wheel: 200 mm
- Width wheel: 63 mm
- Diameter shaft: 20 mm

Used on E300A, E45A, E400A

**REF [151TA2916](#)**

## SOLID TYRE KIT



Tyre size: 25 x 7 x 12

Used on 1200SJP, 1250AJP, 1500SJ, 1100S, 1850SJ, 1100SB, TOUCAN DUO, 13MSPT

**REF [165TA4319](#)**

## ANTI-PUNCTURE TYRES



- Foam filled wheel assembly
- Tyre size: 445/65 x 22,5

Used on 600A from serial n° 0300000000 to 0300099999, 100 SX, 110 SX, 110 SXJ, 120SXJ

**REF [165TA4313](#)** - LH  
**REF [165TA4314](#)** - RH



- Foam filled wheel assembly
- Tyre size: 14 x 17,5

Used on 3369LE, E45A, E400A, 600A from serial n° 0300000000 to 0300099999, 601S

**REF [165TA4320](#)** - LH  
**REF [165TA4321](#)** - RH



- Foam filled wheel assembly
- Tyre size: 625 x 298

Used on 600AJ

**REF [165TA4315](#)** - LH  
**REF [165TA4316](#)** - RH



- Foam filled wheel assembly
- Tyre size: 15 x 19,5

Used on 800AJ

**REF [165TA4322](#)** - LH  
**REF [165TA4323](#)** - RH



- Foam filled wheel assembly
- Tyre size: 16-625

Used on 800AJ, 800SJ, 860SJ

**REF [165TA4317](#)** - LH  
**REF [165TA4318](#)** - RH



- Foam filled wheel assembly
- Tyre size: 18-625

Used on 800AJ, 800SJ, 860SJ

**REF [165TA4324](#)** - LH  
**REF [165TA4325](#)** - RH





## ANTI-PUNCTURE TYRES



- Foam filled wheel assembly
- Tyre size: 15 x 28

Used on 1250AJP, 1350SJP, 1500SJ

**REF [165TA4326](#)** - LH  
**REF [165TA4327](#)** - RH



- Foam filled wheel assembly
- Tyre size: 33/1550 x 16,5

Used on 3394RT, 4394RT, 450AJ, 510AJ

**REF [165TA4332](#)** - LH  
**REF [165TA4333](#)** - RH



- Foam filled wheel assembly
- Tyre size: 15 x 19,5

Used on 600SJ

**REF [165TA4328](#)** - LH  
**REF [165TA4329](#)** - RH



- Foam filled wheel assembly
- Tyre size: 15 x 19,5

Used on 600SJ

**REF [165TA4334](#)** - LH  
**REF [165TA4335](#)** - RH



- Foam filled wheel assembly
- Tyre size: 12 x 16,5

Used on 400RTD, 500RTS, 25RTS, 33RTS, 40RTS

**REF [165TA4330](#)** - LH  
**REF [165TA4331](#)** - RH



- Foam filled wheel assembly
- Tyre size: IN240/55 x 17,5

Used on E400A, 4069LE

**REF [165TA4336](#)**





TRACTION WHEELS						
	Diameter wheel mm	Number of bolt holes	Width wheel mm	Diameter shaft mm	Used on	REF
	300	4	85	72	TOUCAN JUNIOR 6, TOUCAN DUO, TOUCAN JUNIOR 8, V1331E, VM1931E, 13MSPT	<a href="#">165TA4337</a>
	300	0	80	27,5	TOUCAN JUNIOR 6, TOUCAN JUNIOR 8, TOUCAN JUNIOR 6/8B, VM1931E, V1331E	<a href="#">145TA9131</a>
	302	5	100	72		<a href="#">164TA1345</a>
	302	5	99	72		<a href="#">164TA1344</a>
	310	5	100	72	600A from serial n° 0300000000 to 0300099999	<a href="#">147TA2854</a>
	310	5	99	72		<a href="#">151TA2325</a>
	316	5	108	86	1532/3246E2, 1532/1932/2032/2632/2646/3246E2	<a href="#">165TA4338</a>
	323	5	100	186	TOUCAN1100A	<a href="#">126TA5936</a>



TRACTION WHEELS						
	Diameter wheel mm	Number of bolt holes	Width wheel mm	Diameter shaft mm	Used on	REF
	323	5	100	186,6	3246E2, 1532E, 1532E3 from serial n° 0200000000 to 0200999999, 1532E2	<a href="#">126TA5139</a>
	323	5	100	187	R6, 6/10/1932/3248RS	<a href="#">165TA4339</a>
	354	5	114	86	3369LE, E400A	<a href="#">126TA5939</a>
	354	5	114	86	600A from serial n° 0300000000 to 0300099999, 67SL	<a href="#">141TA4893</a>
	404	5	125	86	R10, 6/10/1932/3248RS	<a href="#">165TA4340</a>
	406	4	126	85	TOUCAN1010, TOUCAN910	<a href="#">165TA3947</a>
	406	4	127	28	TOUCAN1100A, TOUCAN1010, TOUCAN1100, TOUCAN910, V2642E	<a href="#">145TA9140</a>
	406	5	125	186	1930ES	<a href="#">151TA2438</a>



TRACTION WHEELS						
	Diameter wheel mm	Number of bolt holes	Width wheel mm	Diameter shaft mm	Used on	REF
	406	5	127	85	1532E, 1532E3 from serial n° 0200000000 to 0200999999	<a href="#">126TA5938</a>
	406	5	127	95	SSV10	<a href="#">165TA3950</a>
	406,5	5	127	86	3246E2, 1532E, 1532E3 from serial n° 0200000000 to 0200999999, CM1432, 1532E2	<a href="#">129TA9006</a>
	559	9	152	203	E/M400/450A/AJ/AJP NARROW	<a href="#">165TA4341</a>
	630	6	203	160	SL153-12E, SL180-12E	<a href="#">165TA4342</a>
	635	9	171,5	203		<a href="#">165TA4343</a>
	635	9	171	202	E300A, E300AJ, E300AJP	<a href="#">147TA2982</a>



PNEUMATIC TYRES					
	Dimensions of the tyre	Ply rating	Quality	Used on	REF
	10 x 16,5	10PR	TL = tubeless	330CRT/400CRT	<a href="#"><u>165TA4344</u></a>
	12 x 16,5	12PR	TL = tubeless	450A, 450AJ, 3394RT, 510AJ	<a href="#"><u>152TA1872</u></a>
	15 x 625	16PR	TL = tubeless	3369LE, E45A, E400A	<a href="#"><u>141TA3243</u></a>
	18 x 625	16PR	TL = tubeless	1532E, 1532E3 from serial n° 0200000000 to 0200999999	<a href="#"><u>126TA5934</u></a>
	240 x 55 x 17,5	12PR	TL = tubeless	100SX	<a href="#"><u>165TA4345</u></a>
	240 x 55 x 17,5	12PR	TL = tubeless	E400A	<a href="#"><u>165TA4346</u></a>



PNEUMATIC TYRES					
	Dimensions of the tyre	Ply rating	Quality	Used on	REF
	33 x 15,5 x 16,5	12PR	TL = tubeless	100SX	<a href="#">165TA4347</a>
	355 x 55 x 62	14PR	TL = tubeless	CM2033, CM1432	<a href="#">152TA1860</a>
	385 x 65 x 22,5	16PR	TL = tubeless	800A	<a href="#">161TA1355</a>
	445 x 55 x 19,5	16PR	TL = tubeless	800A/800AJ	<a href="#">152TA1861</a>
	445 x 50 x 710	18PR	TL = tubeless	800A, 800S, 680S	<a href="#">152TA1862</a>



## RIMS



- Rim diameter: 19 1/2"
- Rim width: 11 3/4"
- Number of fixation holes: 10
- Type: 1 side spherical

Used on 1930ES, 1230ES

**REF [165TA4348](#)**



- Rim diameter: 24 1/2"
- Rim width: 11 3/4"
- Number of fixation holes: 9
- Type: 1 side spherical

Used on 800A, 800S, 680S

**REF [165TA4350](#)**



- Rim diameter: 24 1/2"
- Rim width: 15"
- Number of fixation holes: 10
- Type: 1 side spherical

Used on 600S, 800A, 601S

**REF [126TA5143](#)**

## WHEEL BOLTS



- Length: 44,5 mm
- Thread type: M12
- Metric pitch: 1,5 mm
- RH/LH: RH

Used on 260MRT, 330CRT, 3369LE, E600

**REF [165TA4349](#)**



- Neck diameter: 13,8 mm
- Length: 45,5 mm
- Thread type: 1/2" UNF
- Imperial pitch: 20 Pi
- RH/LH: RH

Used on 1930ES, 1230ES, TOUCAN 8E, TOUCAN 10E

**REF [126TA5105](#)**



- Neck diameter: 16,2 mm
- Length: 61 mm
- Thread type: 5/8" UNF
- Imperial pitch: 18 Pi
- RH/LH: RH

Used on 450A, 3246E2, 26MRT, 400S, 1532E, 1532E3 from serial n° 0200000000 to 0200999999, 450AJ, 1532E2

**REF [128TA3409](#)**



- Neck diameter: 18,3 mm
- Length: 46,3 mm
- Thread type: M14
- Metric pitch: 1,5 mm
- RH/LH: RH

Used on 260MRT, 330CRT, 3369LE, E600

**REF [165TA4351](#)**



## WHEEL NUTS



- Type: cone head
- Thread: 1/2" UNF
- RH/LH: RH
- Pitch: 20"
- Wrench opening: 20,64 mm

Used on CM2033, CM1432, 3246E2, 1532E, 1532E3 from serial n° 0200000000 to 0200999999, 1532E2

**REF [126TA5853](#)**



- Type: fixed collar
- Thread: M14
- RH/LH: RH
- Pitch: 1,5 mm
- Wrench opening: 19 mm

Used on 1930ES, TOUCAN 8E, TOUCAN 10E

**REF [165TA4355](#)**

## REDUCTOR HUBS



- Gear ratio: 29,8
- Diameter maximum: 265 mm
- Length reductor: 240 mm
- Bolt side 1: 6 x M18 x 1,5 mm
- Bolt side 2: 8 x M16 x 2 mm

Used on 1930ES, 1230ES

**REF [165TA4352](#)**



Voltage electro motor: 24 VDC, class H, rating AU2500

Used on 1930ES

**REF [165TA4356](#)**

## HUB CAP



- Outer diameter: 56 mm
- Diameter passing: 50,5 mm

Used on 3246E2, 1532E, 1532E3 from serial n° 0200000000 to 0200999999, 1532E2

**REF [165TA4353](#)**

## HUB WHEEL



- Total height: 38
- Conical mounting holes: 27,5-31,5 mm
- Diameter: 140,5 mm
- Number of holes: 5

Used on 600S, 600A from serial n° 0300000000 to 0300099999

**REF [165TA4357](#)**

## TRACKS



- Colour: black
- Width: 400 mm
- Number of links: 82
- Pitch length: 72,5 mm

Used on 3246E2, 1532E3 from serial n° 0200000000 to 0200999999, CM2033, CM1432, 1532E, CM20N, 1532E2

**REF [165TA4354](#)**



- Colour: non-marking white
- Width: 230 mm
- Number of links: 96
- Pitch length: 39 mm

**REF [165TA4358](#)**





AXLES/PINS					
	Diameter mm	Total length mm	Hardened	Used on	REF
	4	23	No	H340AJ, 340AJ, 400S/460SJ, 450AJ, E/M450A/AJ, M/E600/J/JP, 740AJ, 800A/AJ	<a href="#">126TA5219</a>
	12	42	No	1932R, 20/2632ES, 1930ES, 1930/2030/2630/2646/3246ES	<a href="#">126TA5714</a>
	12,5	39	No	1532/2658E, 1532/3246E2, 1532/2658E3, 1532/1932/2033/2046/2646,2658E	<a href="#">126TA5715</a>
	12,5	55	No	600A/AJ, 1932R, 1500AJP, 740AJ, 600SC/SJC	<a href="#">126TA5044</a>
	25,4	195,4	No	600A/AJ, 600S/SJ/660SJ, 740AJ, 400S/460SJ, 800A/800AJ	<a href="#">126TA5040</a>
	25,4	240	No	600A/AJ, 600S/SJ/660SJ, 800A/AJ, 450A/AJ	<a href="#">126TA5039</a>
	25,4	280	No	H340AJ, 340AJ, 450AJ, 520AJ, E/M600/J/JP	<a href="#">139TA5158</a>
	25,4	385	No	600A/AJ, 600S/SJ/660SJ, 800A/AJ	<a href="#">139TA5156</a>
	31,7	243	No	3369/4069LE/M3369/4069	<a href="#">126TA5041</a>



AXLES/PINS					
	Diameter mm	Total length mm	Hardened	Used on	REF
	31,7	260	Yes	H340AJ, T350/T500J, M/E600/J/JP, 450AJ, 340AJ	<a href="#">139TA5157</a>
	31,7	292,1	No	510AJ, M/E600/J/JP, E/M450A/AJ	<a href="#">139TA5159</a>
	31,7	71	No	400S/460SJ, 400S/SJ, 340AJ, 3394/4394RT, 450A/AJ, 510AJ	<a href="#">165TA4359</a>
	31,7	65	No	450A/AJ, 400S/400SJ, 400S/460SJ, 510AJ, 3394/4394RT, 450A/AJ SERIES II	<a href="#">126TA5712</a>
	31,8	240	No	R10, 600A/AJ, 6/10/1932/3248RS, 740AJ, 600SC/SJC, 400S/460SJ, 800A/AJ	<a href="#">139TA5160</a>
	32	255,5	No	400S/460SJ, 450A/AJ, E/M600J(P), 3394/4394RT	<a href="#">126TA5035</a>
	38	78	No	600A/AJ	<a href="#">126TA5713</a>
	38	250	No	520AJ, M/E600/J/JP, 450A/AJ, 800S/860SJ	<a href="#">126TA5037</a>
	50,8	95	No	600S/SJ/660SJ, 740AJ, 800A/AJ	<a href="#">126TA5036</a>



## CENTER BOLTS



- Diameter: 19 mm
- Length: 72,5 mm
- External thread: 5/8" UNC
- Imperial pitch: 11 Pi
- Length of thread: 17 mm

Used on 1930ES

**REF [165TA4361](#)**



- Diameter: 19 mm
- Length: 79,2 mm
- External thread: 5/8" UNC
- Imperial pitch: 11 Pi
- Length of thread: 18 mm

Used on 1200SJP, 1250AJP, 1500SJ, 1100S, 1100SB

**REF [126TA5828](#)**



- Diameter: 31,7 mm
- Length: 79,2 mm
- External thread: 7/8" UNC
- Imperial pitch: 9 Pi
- Length of thread: 24 mm

Used on E300A

**REF [165TA4362](#)**

## LOCKING PINS

	Diameter pin mm	Total length mm	Used on	REF
	6	75	R10, 260MRT, 1932R, 6/10/1932/3248RS	<b><a href="#">126TA5724</a></b>
	25,5	52	20/25/30/36/41(AM), 15/20MSP/MVL, 12SP/15SP, 10MSP	<b><a href="#">126TA5727</a></b>
	7,8	77,5	260MRT, T350/T500J, 600A/AJ, 1500JP, 530LRT, E/M600J/JP	<b><a href="#">126TA5723</a></b>



LOCKING PINS				
	Diameter pin mm	Total length mm	Used on	REF
	6,3	58	20/25/30/36/41(AM), G15/44A, 10MSP, G6/42A-G9/10-43A, 600A/AJ, 1500AJP, 33/4394	<a href="#">127TA2680</a>
	9,2	78,2		<a href="#">127TA2702</a>
	6	57,7	R6, R10, 1932R, 6/10/1932/3248RS, 20/2632ES	<a href="#">165TA4360</a>



## SAFE-T-LOCK

### SAFE-T-LOCK™

#### Safe-T-Lock STL 1000



Suitable for all types of voltages, the Safe-T-Lock is the most easy-to-use and fast to program access control device in our range. It can hold up to 99 user codes.

**Features:**

- Voltage: 12–120 VDC
- Waterproof IP65
- Up to 99 different users/drivers (settings can only be changed by a supervisor)
- 1 programmable supervisor code
- Last user identification
- Automatic shut-off after 3 minutes (fixed time) of vehicle inactivity
- Maintenance alert after 250 hours

Used on 1230ES, 1532E3 from serial n° 0200000000 to 0200999999, E400A, 1930ES, 3246E2, T350, 450A, E600, 1532E, 1200SJP, 3369LE, E45A, 1250AJP, 400S, 600SC, 800S, 600S, 600A from serial n° 0300000000 to 0300099999, 3394RT, 510AJ, 1500SJ, 340AJ, 1100S, G9-43A, 1532E2, 266, 680S, 800A, G5-19A, 1100SB, 400SC

REF [125TA5079](#)

## HANDSET FOR JLG



**To program JLG machines**

The analyser kit is essential for programming and troubleshooting JLG mobile elevating work platforms. This is a must have tool for any service technician.

**Features/benefits:**

- Compact-size tool that you can carry with you to your job site
- Quick diagnostic for fault codes
- Adjust machine parameters on-site
- Enable and disable machine features
- Configure new options
- High-contrast LCD screen

Used on R6, R10, G6/42A-G9/10-43A, 600A/AJ, T350/500J, 520AJ

REF [126TA5316](#)



## CABLE FOR HANDSET



Replacement cable

Used on 1230ES, 1532E3 from serial n° 0200000000 to 0200999999, 3246E2, 1532E, 800A, 1200SJP, 1250AJP, 600SC, 800S, 600S, 600A from serial n° 0300000000 to 0300099999, 450A, 1500SJ, 340AJ, 1100S, G9-43A, 1532E2, 1930ES, 680S, 1100SB

**REF [164TA8212](#)**

## MOS90 HANDSET



For the programming of JLG machines that are equipped with Sevcon MOS90 controllers.

- Controller type: MOS90
- Type: electric machines
- Serial communication

Used on 100SX, 400S, 30E, E300A, 450A, 600A from serial n° 0300000000 to 0300099999, 600SC, 800A, 1200SJP, 3369ELECTRIC, E600, E45A, E400A, 1250AJP, 450AJ, 800S, 600S, 510AJ, 1500SJ, 340AJ, 1100S, 1850SJ, 680S, 1100SB, TF6-42, 400SC

**REF [106TA6377](#)**

## MOBILE ANALYSER



The JLG mobile analyser is a Wi-Fi enabled evolution of the handheld analyser kit, allowing technicians to do the same analysis they are currently doing with the handheld kit. However, this new tool for Apple and Google operating system devices, allows for an extended operating range of up to 150 ft.

**Features/benefits:**

- Compatible with Apple iOS 5.0 and up, plus Android API 8 and up
- Works with JLG products that are equipped with Advanced Design Electronics (ADE)
- Allows for extended operator range of up to 150 ft
- Available in multiple languages, with more languages to be added
- Interchangeable between machines (note: it can only be connected to one mobile device at a time)
- Analyser training is included as part of all JLG factory training
- Displays full description read-outs instead of abbreviated scrolling text

**REF [152TA1931](#)**



NOTES

A series of horizontal dotted lines for taking notes.





USED ON  
**MANITOU**



## ELECTRONIC JOYSTICKS



Dual-axis

Used on 160ATJ, 160ATJPLUS, 160ATJE3, 180ATJE3

**REF [163TA8270](#)**



Dual-axis

Used on 120 AETJ L, 150AETJ L BI ENERGY

**REF [163TA8284](#)**



Dual-axis

Used on 80VJR

**REF [163TA8294](#)**



Dual-axis

Used on 90V AIR, 120AETJL, 150AETJL, 170AETJL, 80VJR

**REF [163TA8371](#)**



Single-axis

Used on 150ATS2, 150ATS20, 160ATJ, 160ATJ E3, 160ATJ PLUS, 160ATJ PLUS E3, 160ATJS E3, 160ATJS, 165ATJ, 165ATJS, 180ATJ, 180ATJ2 E3, 180ATJ E3, 180ATJS E3, 200ATJ, 260TJ, 280TJ, 78XE, 81XE, MAN GO 12

**REF [163TA8271](#)**



Single-axis

Used on 160ATJ, 160ATJPLUS, 78XE

**REF [163TA8272](#)**



Single-axis

Used on 120AETJ COMPACT

**REF [163TA8277](#)**



Single-axis

Used on 80VJR, 150VJR2, 110VJR2

**REF [163TA8373](#)**



Single-axis

Used on 80VJR, 150VJR2, 110VJR2

**REF [163TA8376](#)**



Dual-axis

Used on 160ATJ, 160ATJ E3, 160ATJ PLUS, 160ATJ PLUS E3, 160ATJS E3, 160ATJS, 180ATJ, 180ATJ2 E2, 180ATJ E3, 200ATJ, 260TJ, 280TJ, MAN GO 12

**REF [163TA8269](#)**



## MOTOR CONTROLLERS



- Variable speed unit
- Length: 200 mm
- Width: 150 mm

Used on 100VJR EVOLUTION,  
80VJR EVOLUTION, 90V AIR

REF [160TA6272](#)



- Electronic plate
- Length: 266 mm
- Width: 145 mm

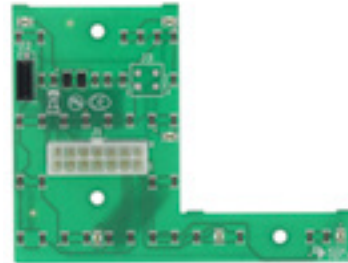
Used on 120 AETJ

REF [163TA8374](#)

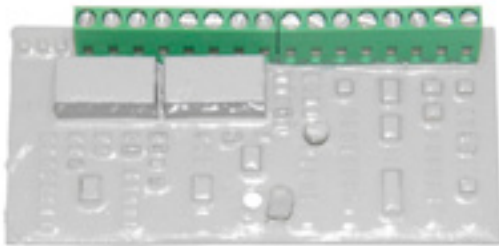
## PRINTED CIRCUIT BOARDS



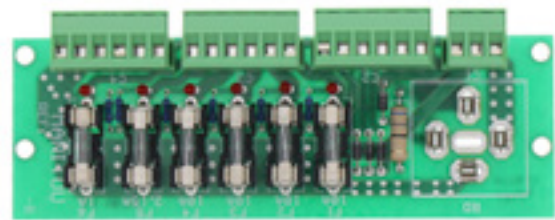
Electronic card



Electronic plate



Module



Plate

Although these electronic cards may resemble the one fitted on your mobile elevating work platform there can be a big difference. Therefore we always ask you to supply us with part number or full vehicle details before ordering a similar unit.

This is just a small selection of our electronic boards. For all other types, please feel free to call us!



## BACK-UP ALARM



- Voltage: 12-80 V
- Volume: 97 dB
- Tone: slow pulse
- Dimensions: 101,5 x 41,3 x 69,4 mm

Used on 80VJR, 90V AIR, 105VJR, 105VJR2, 110VJR2, 120AETJ, 120AETJL, 150 ATS2, 150AETJL, 150TP, 165ATJS, 170AETJL, 180ATJ, 180ATJS, 260TJ, 280TJ, D80E, D80ER, D80ERS, MANGO12

REF [161TA4486](#)

## BUZZER



- Voltage: 6-30 V
- Volume: 85 dB
- Tone: continuous and fast pulse
- Dimensions: 43,7 x 42,8 x 27 mm

Used on 100VJR EVOLUTION, 105VJR, 105VJR2, 110VJR2, 120AETJ, 120AETJ COMPACT, 120AETJL, 150AETJ COMPACT, 150AETJL, 150ATS2, 150TP, 160ATJ, 160ATJ PLUS E3, 160ATJS, 165ATJ, 165ATJS, 170AETJL, 180ATJ, 200ATJ, 78XE, 80VJR, 81XE, 90V AIR, MAN GO 12

REF [163TA8458](#)

## HORN






- Volume: 113 dB
- Voltage: 12 V
- Type of mounting: L-bracket
- Diameter: 101,5 mm

Used on 100SC, 100SC2, 120SC, 120SC2, 140SC2


REF [163TA8421](#)





COMPLETE CONTACTORS							
	Voltage	Maximum current interrupted	Maximum current uninterrupted	Magnetic blowouts	Dust cover	Used on	REF
	V	A	A				
	12	80	80	No	Enclosed version	150ATS2, 150TP, 160ATJ, 165ATJ, 165ATJS, 180ATJ, 200ATJ, 260TJ, 280TJ	<a href="#">163TA8455</a>
	24	150	150	No	Yes	120AETJ Compact2	<a href="#">163TA8406</a>
	24	150	200	Yes	Enclosed version	120AETJ, 150AETJL Bi-Energy, 170AETJL Bi-Energy	<a href="#">160TA3449</a>

### CONVERTER



- Minimum voltage: 48 V
- Type of voltage: AC/DC
- Outgoing voltage: 24 V
- Number of terminals: 4

Used on 120AETJ C

**REF [164TA6928](#)**

### HOUSING CONNECTOR




- Length: 42,5 mm
- Number of pins: 26

Used on 80VJR

**REF [163TA8359](#)**

### BATTERY CONNECTION



Bolt-on battery terminal

**REF [163TA8419](#)**



RELAYS						
	Type of relay	Voltage V	Type of voltage	Current A	Used on	REF
	Mini-relay	12	DC	35/20	160ATJ E3, 160ATJS E3, 180ATJ2 E3	<a href="#">164TA1119</a>
	Mini-relay	12	DC	40/30	160ATJ E3, 160ATJS E3, 180ATJ2 E3	<a href="#">136TA8355</a>
	Mini-relay	24	DC	20/30	100XEL, 150VJR, 105VJR2, 110VJR2, 120XEL, 80VJR, 80XEL, 90V AIR	<a href="#">163TA8472</a>
	Printed circuit board	24	DC	12	105VJR, 105VJR2, 110VJR2, 120AETJ, 120TH, 150AETJL, 170AETJL, 80VJR	<a href="#">163TA8339</a>
		24	DC	80	120AETJ COMPACT	<a href="#">163TA8345</a>

## RELAY MOUNTING BRACKET



Relay socket 5-pin 6,3 mm

Used on 80VJR, 110VJR2, 100XEL, 120XEL, 80XEL,  
90V AIR, 105VJR2, 150AETJL

REF [163TA8471](#)



## DASHBOARD WARNING LIGHTS



- Length: 44,8 mm
- Built-in diameter: 8 mm
- Outer diameter: 9,5 mm

Used on 150TP, 160ATJ, 160ATJPLUS, 160ATJ E3, 160ATJS, 180ATJ, 180ATJ2 E3, 180ATJE3, 180ATJS E3, 200ATJ, 260 TJ, 280TJ, MOB170 EVOLUTION

- REF [163TA8331](#)** – Green  
**REF [163TA8343](#)** – Yellow  
**REF [163TA8333](#)** – Red



- Length: 35,5 mm
- Faston terminals: 2,8 mm
- Lens colour: white

Used on 100XEL, 105VJR, 105VJR2, 110VJR2, 120AETJ, 120AETJ COMPACT, 120AETJ COMPACT2, 120AETJL, 120XEL, 150AETJ COMPACT, 150AETJL, 170AETJL, 80VJR

**REF [163TA8297](#)**



- Length: 35,5 mm
- Faston terminals: 2,8 mm
- Lens colour: green

Used on 105VJR; 105VJR2, 110VJR2, 120AETJ, 120AETJ COMPACT, 120AETJ COMPACT2, 120AETJL, 150AETJ COMPACT, 150AETJL, 150AETJL BI ENERGY, 170AETJL, 170AETJL BI ENERGY, 80VJR

**REF [163TA8279](#)**

## INDICATOR LIGHT



- Cable length: 2475 mm
- Built-in diameter: 22 mm
- Outer diameter: 28,6 mm

Used on 100VJR EVOLUTION, 100XEL, 120XEL, 78XE, 80VJR EVOLUTION, 80XEL

**REF [164TA1131](#)**

## CABLE LOOM



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 725 mm
- Number of plugs: 1

Used on 80VJR, 105VJR, 105VJR2

**REF [163TA8386](#)**





## CONTACT BLOCK



- Voltage: 240 V
- Current: 3 A
- Number of NO contacts: 2

Used on 120AETJ, 120AETJ COMPACT

**REF [163TA8365](#)**

## CONTACT



- Voltage: 2 x 240 V
- Current: 3 A
- Number of NO contacts: 1

Used on 80VJR, 105VJR, 105VJR2, 110VJR2

**REF [146TA4574](#)**

## EMERGENCY STOP BUTTON SWITCHES



- Single pole
- Current: 200 A
- Voltage: 24 V
- Magnetics blowouts: no
- Dust cover: no

Used on 120AETJ Compact

**REF [163TA8411](#)**



- Single pole
- Current: 300 A
- Voltage: 24 V
- Magnetics blowouts: no
- Dust cover: no

Used on 80VJR, 90V AIR, 100VJR

**REF [161TA2832](#)**

## FOOT SWITCHES



- Length: 215 mm
- Width: 65 mm
- Height: 57 mm

Used on 150ATS

**REF [146TA4544](#)**



- Length: 220 mm
- Width: 70 mm
- Height: 60 mm

Used on 120AETJ 160ATJ, 180ATJ, 200ATJ

**REF [146TA4566](#)**



- Length: 250 mm
- Width: 156 mm
- Height: 145 mm

Used on 160ATJPLUS, 160ATJE3, 180ATJE3, 200ATJ, 260TJ, 280TJ, MAN GO 12

**REF [163TA8301](#)**



## HORN BUTTON



- Length: 15 mm
- Height: 40 mm
- Number of NO contacts: 1

Used on 105VJR, 105VJR2, 110VJR2, 120AETJ, 150AETJL BI ENERGY, 150TP, 160ATJ, 160ATJS, 170AETJL, 180ATJ, 200ATJ, 260TJ, 280TJ, 78XE, 80VJR, 81XE, MAN GO 12, MOB170

**REF [163TA8475](#)**

## IGNITION SWITCHES



- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 110 mm
- Key number: 455

Used on 120 AETJ L, 150AETJ L BI ENERGY

**REF [141TA2595](#)** – Without key  
**REF [163TA8493](#)** – Key



- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 52 mm
- Key number: E30 Bosch

Used on 150TP, 160ATJ, 160ATJS, 180ATJ, 200ATJ

**REF [141TA2760](#)** – Without key  
**REF [141TA2659](#)** – Key

## OPERATING HEADS



- Number of positions: 3
- Built-in diameter: 20 mm
- Key number: 455
- Material: plastic
- With key

Used on 80VJR, 105VJR, 105VJR2, 110VJR2

**REF [163TA8474](#)** – Without key  
**REF [110TA3210](#)** – Key



- Number of positions: 3
- Built-in diameter: 22 mm
- Key number: 455
- Material: metal
- With key

Used on 100VJR EVOLUTION, 100XEL, 120XEL, 78XE, 80VJR EVOLUTION, 80XEL

**REF [164TA1126](#)** – Without key  
**REF [110TA3210](#)** – Key



- Number of positions: 3
- Built-in diameter: 22 mm
- Key-number: 455
- Material: plastic
- With key

Used on 120AETJ COMPACT

**REF [164TA1120](#)**



## KEYS



- Key number: 6896
- Supplied keys: 1

Used on 160ATJE3, 180ATJE3, 260 TJ, 200ATJ, 260TJ, 280TJ

**REF [141TA3306](#)**



- Key number: 455
- Supplied keys: 1

Used on MT830-1230(S)CP, MT1530SCP(T), 150ATS, 28EVM, 81XE, 150AET-170AET, 100XEL, 80/100VJR EVOLUTION

**REF [165TA4363](#)**



- Supplied keys: 1
- Length: 57 mm
- Inner diameter: 11,5 mm

Used on 150ATS, 150ATS2, 160ATJ, 160ATJS, 165ATJ, 165ATJS, 180ATJ, 200ATJ

**REF [163TA8477](#)**

## LIMIT SWITCHES



- Number of NO contacts: 0
- Number of NC contacts: 1
- Current: 0,1 A

Used on 160ATJ, 160ATJPLUS, 160ATJE3, 180ATJE3, 200ATJ

**REF [147TA5260](#)**



- Number of NO contacts: 0
- Number of NC contacts: 1
- Current: 1,5 A

Used on 150ATS2, 165ATJ, 165ATJS

**REF [146TA4543](#)**



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 1,5 A

Used on 80VJR, 105VJR, 105VJR2, 110VJR2, 120AETJ COMPACT

**REF [146TA4486](#)**



- Number of NO contacts: 2
- Number of NC contacts: 2
- Current: 3 A

Used on 120 AETJ L, 150AETJ L BI ENERGY

**REF [147TA5491](#)**



## PUSH BUTTONS



- Diameter: 22 mm
- Length: 30 mm
- Button colour: red

Used on 78XE, 80VJR, 81XE, 90V AIR, 100VJR, 150AET2, 171AET

**REF [163TA8350](#)**



- Diameter: 22 mm
- Length: 42 mm
- Button colour: black

Used on 80VJR, 105VJR, 105VJR2, 110VJR2, 120AETJ COMPACT

**REF [146TA4576](#)**



- Diameter: 22 mm
- Length: 47 mm
- Button colour: green

Used on 150ATS, 150ATS2, 150ATS20, 150ATT, 165ATJ, 165ATJS

**REF [164TA1139](#)**



- Diameter: 27 mm
- Length: 78 mm
- Button colour: red

Used on 65EX, 75EX, 78XE, 80ELX, 80EX, 80XEL, 100AE, 100DLX, 100ELX, 100XEL, 110ELX, 120AE, 120DLX, 120ELX, 120TM, 120XEL, 145DLX, 150AET, 150AET2, 150ATS, 150ATT, 150TP, 160ATJ, 160ATJ E3, 165ATJ, 171AET, 180ATJ, 180ATJ E3, 200ATJ, 261TJ, 280TJ

**REF [163TA8344](#)**



## RUBBER BELLOWS SWITCH



Rubber protector for toggle switches

Used on 150AETJ, 150ATS, 160ATJ, 170AETJ, 180ATJ, 200ATJ, MAN GO 12

REF [160TA4104](#)

## SECURITY SWITCH



- Thread: 3/4" UNF
- Wrench size: 22 mm

Used on 280TJ

REF [163TA8432](#)

## BATTERY DISCONNECT SWITCH



- Current: 150 A
- Number of poles: 1
- Auxilliary switch present: yes

Used on 100XEL, 105VJ, 105VJR, 105VJR2, 110VJR2, 120AETJ, 120AETJL, 120XEL, 150AETJL, 150ATS, 150ATS2, 150ATT, 165ATJ, 165ATJS, 170AETJL, 78XE, 80V, 80VJR, 80VR, 80XEL, 81XE

REF [163TA8470](#)

## TOGGLE SWITCHES



- Positions: on-off-on
- Number of connections: 3
- Voltage: 125-250 V
- Current: 6 A

Used on 150TP, 160ATJPLUS, 160ATJE3, 180ATJE3, TMT25I, 200ATJ, 260 TJ, 280TJ, MAN GO 12

REF [146TA4609](#)



- Positions: on-on-on
- Number of connections: 6
- Voltage: 250 V
- Current: 10 A

Used on 120 AETJ L, 150AETJ L BI ENERGY

REF [146TA4580](#)



- Positions: on-on
- Number of connections: 3
- Voltage: 125-250 V
- Current: 6 A

Used on 150TP, 160ATJ, 160ATJ E3, 160ATJ PLUS, 160ATJ PLUS E3, 160ATJS E3, 160ATJS, 180ATJ, 180ATJ2 E3, 180ATJ E3, 180ATJS E3, 200ATJ, 260TJ, 280TJ, 90V AIR

REF [164TA1134](#)



- Positions: on-on
- Number of connections: 3
- Voltage: 25 V
- Current: 12 A

Used on 160ATJPLUS, 160ATJE3, 180ATJE3, 260 TJ, 200ATJ

REF [146TA4608](#)



## GAUGE



- Length: 370 mm
- Full resistance: 30 Ω
- Empty resistance: 244 Ω

Used on 160ATJ, 160ATJ E3, 160ATJ PLUS, 160ATJS E3, 160ATJS, 180ATJ, 180ATJ2 E3, 180ATJ E3

REF [163TA8341](#)

## PRESSURE CONTACTS

	Thread	Connection	Switch mode	Pressure Bar	Length mm	Used on	REF
	1/4" BSP x 19 Pi	1 x loose connector	NO	26	61,5	120AE, 120AETJ L, 120AETJ COMPACT, 150AETJ L, BI ENERGY, 170AETJL, D80ER, D80ERS	<a href="#">163TA8310</a>
	1/4" BSP x 19 Pi	2 x blade	Signal	Settable	55,5	80V, 80VR, 80VJR, 105VJ, 105VJR, 105VJR2, 110VJR2	<a href="#">163TA8316</a>
	1/4" BSP x 19 Pi	2 x blade	NO	Settable 15-150	53,8	80VJR, 105VJR, 105VJR2, 110VJR2	<a href="#">163TA8334</a>
	1/4" BSP x 19 Pi	2 x blade	NO	112	55	80VJR, 105VJR, 105VJR2, 110VJR2	<a href="#">163TA8319</a>
	1/8" BSP x 28 Pi (conical)	1 x screw	NO	0,5	35	160ATJE3, 180ATJ2	<a href="#">163TA8357</a>
	M10 x 1 mm	1 x fixed connector	NO	0,5	61	150TP, 160ATJ, 160ATJPLUS, 180ATJ, 200ATJ	<a href="#">163TA8340</a>



## PROXIMITY SENSORS



- Height: 38 mm
- Diameter: 18 mm
- Switch type: normally open
- Voltage: 18-36 V

Used on 120 AETJ L, 150AETJ L  
BI ENERGY

**REF [163TA8289](#)**



- Height: 43 mm
- Diameter: 18 mm
- Switch type: normally open
- Voltage: 10-36 V

Used on 80VJR, 120AETJ  
COMPACT

**REF [163TA8313](#)**



- Height: 43 mm
- Diameter: 18 mm
- Switch type: normally open
- Voltage: 10-36 V

Used on 160ATJ, 160ATJ  
PLUS E3, 160ATJS, 180ATJ,  
180ATJ E3

**REF [163TA8463](#)**



- Height: 43 mm
- Diameter: 18 mm
- Switch type: normally open
- Voltage: 10-36 V

Used on 160ATJ, 160ATJPLUS,  
180ATJE3, 200ATJ

**REF [163TA8311](#)**



- Height: 46 mm
- Diameter: 18 mm
- Switch type: normally open
- Voltage: 8-30 V

Used on 160ATJPLUS, 160ATJE3,  
180ATJE3, 200ATJ, 260 TJ

**REF [163TA8275](#)**

## TEMPERATURE SENSORS



- Thread: 3/8"
- Switch temperature: 98,9 °C
- Maximum temperature:  
107 °C
- Length: 64,5 mm

Used on 100SC2, 120SC2,  
140SC2

**REF [163TA8429](#)**



- Thread: M16 x 1,5 mm
- Switch temperature: 105 °C
- Maximum temperature:  
250 °C
- Length: 50 mm

Used on 160ATJ, 160ATJS,  
180ATJ

**REF [161TA3290](#)**





## TILT SENSORS



- Height: 85 mm
- Diameter: 85 mm
- Switch type: NC
- Voltage: 12–24 V
- Detection: 5°/5° (X/Y)

Used on 150ATS2, 160ATJ, 160ATJS, 165ATJ, 165ATJS, 180ATJ

**REF [163TA8462](#)**



- Height: 85 mm
- Diameter: 63,3 mm
- Switch type: NC
- Voltage: 12–24 V
- Detection: 3°/3° (X/Y)

Used on 120 AETJ L, 120AETJ COMPACT, 150AETJL, 170AETJL

**REF [163TA8299](#)**



- Height: 85 mm
- Diameter: 63,3 mm
- Switch type: NC
- Voltage: 12–24 V
- Detection: 3/3° (X/Y)

Used on 120 AETJL, 150AETJ COMPACT, 150AETJL, 170AETJL

**REF [163TA8287](#)**



- Height: 85 mm
- Diameter: 63,3 mm
- Switch type: NC
- Voltage: 12–24 V
- Detection: 3°/3° (X/Y)

Used on 120AE, 150AET2, 171AET, D80ER, D80ERS

**REF [163TA8378](#)**



- Height: 85 mm
- Diameter: 63,3 mm
- Switch type: NC
- Voltage: 12–24 V
- Detection: 2°/2° (X/Y)

Used on 80VJR, 90V AIR, 100VJR

**REF [161TA2992](#)**



- Height: 85 mm
- Diameter: 63,3 mm
- Switch type: NC
- Voltage: 12–24 V
- Detection: 3°/3° (X/Y)

Used on 80VJR, 105VJR, 105VJR2, 110VJR2

**REF [163TA8280](#)**



- Height: 115 mm
- Diameter: 97 mm
- Switch type: NC
- Voltage: 7–48 V
- Detection: 5° 1-sec

Used on 160ATJ E3, 160ATJS E3, 180ATJ2 E3, 180ATJS E3, 200ATJ

**REF [163TA8483](#)**



- Height: 117,6 mm
- Diameter: 96,5 mm
- Switch type: NC
- Detection: 3° 2-sec

Used on 100AE, 105VJ, 105VJR, 120AE, 120TH, 120TM, 150AET, 150AET2, 150ATS<sub>n</sub> 150ATT, 165ATJ, 165ATJS, 171AET, 80V, 80VR, D80E, D80ER, D80ERS

**REF [163TA8451](#)**



## BATTERY DISCHARGE INDICATOR



- Voltage: 12 V
- Built-in diameter: 52 mm
- Lift lock-out: yes
- Number of connections: 6

Used on 80/100VJR EVOLUTION, ES410FR AC/ES412FR

**REF [164TA6926](#)**

## COMBINATION GAUGES

**CURTIS** 



- Voltage: 12 V
- Built-in diameter: 52 mm
- Lift lock-out: yes
- BDI and hour meter

Used on 150ATS, 150ATS2, 150ATT, 165ATJ, 165ATJS

**REF [163TA8450](#)**



- Voltage: 24–48 V
- Built-in diameter: 52 mm
- Lift lock-out: yes
- BDI and hour meter

Used on 100AE, 100XEL, 105VJ, 105VJR, 105VJR2, 110VJR2, 120AE, 120AETJ, 120XEL, 150AET, 150AET2, 171AET, 80V, 80VJR, 80VR, 80XEL, D80E, D80ER, D80ERS

**REF [163TA8473](#)**

## OPTICAL OIL INDICATOR



- Diameter: 52 mm
- Without thermometer

Used on 105VJR, 105VJR2, 110VJR2, 120AETJ, 150AETJL BI ENERGY, 150TP, 160ATJ, 160ATJS, 170AETJL, 180ATJ, 200ATJ, 280TJ, 78xE, 80VJR, 81XE

**REF [152TA1971](#)**

## DASHBOARD METER



- Voltage: 12 V
- Digital hour counter
- Built-in diameter: 56 mm

Used on 120 AETJ L, 150AETJ L BI ENERGY, 170AETJL

**REF [163TA8288](#)**



## BREATHER VALVE



- Type of thread: 1/8" NPT RH
- Maximum diameter: 15,2 mm
- Width across flats: 14 mm

Used on 150ATS, 150ATS2, 150ATT, 160ATJ E3, 160ATJS E3, 165ATJ, 165ATJS, 180ATJ2 E3

REF [163TA8369](#)

## CARTRIDGE WITH COIL



- Voltage: 24 VDC
- Power: 30 W

Used on 80VJR, 105VJR2, 110VJR2

REF [163TA8291](#)

Cartridges exist in a variety of dimensions and wiring diagrams. When placing an order, always provide the necessary info with regard to the wiring diagram, as cartridges may have identical dimensions yet be connected in different ways.

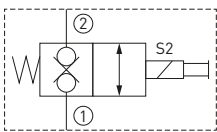
## ELECTRIC CARTRIDGES



- Voltage: 24 VDC
- Length: 150 mm

Used on 80V, 80 VR, 80VJR, 105VJ, 105VJR, 105VJR2, 110VJR2

REF [163TA8317](#)



## PRESSURE VALVE (FLOW)



- Thread: M20 x 1,5 mm
- Length: 105 mm

Used on 165ATJ, 165ATJS

REF [163TA8389](#)



COILS							
	Voltage V	AC/DC	Resistance Ω	Diameter mm	Height mm	Used on	REF
	12	DC	5,4	18,3	50	150ATS, 150ATT, 165ATJ	<a href="#">163TA8394</a>
	12	DC	5,7	14,35	40,75	150TP, 260/280TJ, 200ATJ/RC, 160/180ATJ(S) (2)E3(RC), 180ATJ(RC) (S) EURO, 160ATJ PLUS (RC), MT1440/1840 HA ST3B, MT1440,1840(EP) PRIVILEGE	<a href="#">164TA6936</a>
	12	DC	7,5	13	39	MHT 790/MHT X790, MHT780/X780, MRT2540+/MRT-X2540+, MRT2150 E3 PRIVILEGE, MRT2150+/-MRT-X215	<a href="#">164TA6935</a>
	24	DC	15,2	16,2	50,2	105VJ, 105VJR, 105VJR2, 110VJR2, 80V, 80VJR, 80VR	<a href="#">164TA1136</a>
	24	DC	17,5	19,3	56		<a href="#">131TA8240</a>
	24	DC	19,8	13	47	80V, 80VR, 80VJR, 105VJ, 105VJR, 105VJR2, 110VJR2	<a href="#">131TA8378</a>
	24	DC	28	13	40	28EVM, 80VJR2/110VJR2, 105VJ(R)/80V(R)	<a href="#">164TA6933</a>
	24	DC	28	36,5	40	150/170AETJL BI ENERGY, 120/150/170AETJL	<a href="#">164TA6934</a>
	36	DC	62	44	51,6	MLT625-75H ST3B, MLT840-115/MLT1040-13, MT1440, MAN GO 12, MT-835/1135*1335 ST3B, 1440/1840 E3	<a href="#">131TA8276</a>



## GEARS



- Outer diameter: 192,3 mm
- Total height: 25 mm
- Number of teeth: 70

Used on 200ATJ

REF [163TA8293](#)



- Outer diameter: 78,5 mm
- Total height: 39,8 mm
- Number of teeth: 27

Used on 150TP, 160ATJ, 160ATJ E3, 160ATJS E3, 160ATJS, 180ATJ, 180ATJ2 E3, 180ATJ E3, 180ATJS E3, 200ATJ, 260TJ, 280TJ

REF [163TA8276](#)

## HYDRAULIC INTEGRATED CIRCUITS WITH CARTRIDGE



- Length: 114 mm
- Width: 70 mm

Used on 120AETJ COMPACT2, 120AETJL, 150AETJ COMPACT, 150AETJL, 160ATJ, 160ATJS, 170AETJL, 170AETJL BI ENERGY, 180ATJ, 180ATJ E3, 180ATJS E3

REF [163TA8286](#)



- Length: 151 mm
- Width: 70 mm

Used on 160ATJ, 160ATJPLUS, 160ATJS, 180ATJ 180ATJ E3, 180ATJS E3

REF [163TA8329](#)



- Length: 180 mm
- Width: 83,6 mm

Used on 160ATJ, 160ATJ E3, 160ATJPLUS, 160ATJS E3, 160ATJS, 180ATJ, 180ATJ2 E3, 180ATJS E3, 200ATJ, 280 TJ

REF [163TA8314](#)



- Length: 208 mm
- Width: 60 mm

Used on 80VJR, 105VJR, 105VJR2, 110VJR2

REF [163TA8308](#)

## HYDRAULIC TEST COUPLING



- Length: 53 mm
- Test system: M16 x 2 mm
- Test connection: M16 x 1,5 mm for diameter tube 8 mm

Used on 100VJR EVOLUTION, 80VJR EVOLUTION, 90V AIR

REF [163TA8368](#)



## HYDRAULIC CYLINDERS



- Rotation cylinder
- Total measured length: 215 mm
- Diameter internal: 25,5 mm
- Diameter external: 117 mm

Used on 160ATJ, 160ATJS, 180ATJ, 180ATJ E3, 180ATJS E3, 200ATJ

**REF [164TA1138](#)**



- Steering cylinder
- Total measured length: 615 mm
- Diameter tube: 100 mm

Used on 200ATJ, 260TJ, 280TJ

**REF [163TA8485](#)**



- Tilt cylinder
- Total measured length: 720 mm
- Diameter tube: 93 mm
- Diameter rod: 50 mm

Used on 160ATJ, 160ATJS, 180ATJ, 180ATJ E3, 180ATJS E3

**REF [164TA1135](#)**

## HYDRAULIC MOTOR



Total length: 300 mm

Used on MAN GO 12, TMT25 I/P/S, TMT27P

**REF [165TA4364](#)**

## MANUAL HAND PUMPS



- Manual hand pump
- Length: 150 mm

Used on 120 AETJ L, 150AETJ L BI ENERGY, 170AETJL, MOB170

**REF [163TA8337](#)**



- Manual pump
- Length tiller arm: 605 mm

Used on 100VJR, 120AETJ COMPACT2, 150AETJL, 170AETJL, 80VJR, 90V AIR, MAN GO 12

**REF [163TA8342](#)**



## HYDRAULIC PUMPS



- Total length: 129 mm
- Neck diameter: 82,5 mm
- Direction of rotation: CCW
- Material of the housing: aluminium

Used on 100XEL, 105VJR, 105VJR2, 110VJR2, 120AE, 120AETJ, 120AETJL, 120XEL, 150AET, 150AET2, 150AETJL, 170AETJL, 171AET, 78XE, 80VJR, 80XEL, 81XE, D80ER, D80ERS

**REF [163TA8320](#)**



- Total length: 89 mm
- Neck diameter: 63 mm
- Direction of rotation: CW
- Material of the housing: aluminium

Used on 150ATS2, 160ATJ, 160ATJS, 165ATJ, 165ATJS, 180ATJ

**REF [163TA8454](#)**



- Total length: 99 mm
- Neck diameter: 52 mm
- Direction of rotation: CCW
- Material of the housing: aluminium

Used on 120AETJ COMPACT2, 120AETJL, 150AETJ COMPACT, 150AETJL, 170AETJL

**REF [163TA8399](#)**

## HYDRAULIC PUMP GROUPS



- Voltage: 12 V
- Power: 1,3 kW

Used on 150ATS2, 160ATJ, 160ATJS, 165ATJ, 165ATJS, 180ATJ

**REF [163TA8457](#)**



- Voltage: 12 VDC
- Power: 1,3 kW

Used on 150TP, 160ATJ, 160ATJ E3, 160ATJS E3, 160ATJS, 180ATJ, 180ATJ2 E3, 180ATJ E3, 180ATJS E3, 200ATJ, 260TJ, 280TJ

**REF [163TA8464](#)**



- Voltage: 24 V
- Power: 80 A

Used on 120AETJ, 120AETJ COMPACT

**REF [163TA8274](#)**





ELECTRICAL MOTORS					
	Minimum voltage VDC	Revolutions/minute rpm	Power kW	Used on	REF
	12	3000	1,3	150TP, 160ATJ, 160ATJ E3, 160ATJ PLUS, 160ATJ PLUS E3, 160ATJS E3, 160ATJS, 180ATJ, 180ATJ2 E3, 180ATJ E3, 180ATJS E3, 200ATJ, 260TJ, 280TJ	<a href="#">164TA1137</a>
	24		4,5	100VJR EVOLUTION, 80VJR EVOLUTION, 90V AIR	<a href="#">164TA1132</a>
	48			120AETJ, 120AETJ COMPACT, 120AETJL, 150AETJ COMPACT, 150AETJL, 170AETJL	<a href="#">164TA1125</a>
	48	2800	2,06	120AETJ, 120AETJ COMPACT, 150AET, 150AET2, 171AET	<a href="#">164TA1124</a>

### ENGINE OIL LEVEL GAUGE



Length: 503 mm  
Used on 100SC, 120SC  
**REF [163TA8425](#)**

### FAN BELT



- Type of belt: V-belt, toothed open flank
- Belt width: 10 mm
- Belt height: 7,5 mm
- Outside length: 950 mm

Used on 100SC2, 120SC2, 140SC2  
**REF [152TA5002](#)**



## FILLER CAP



- Height: 40 mm
- Outer diameter: 73 mm
- Inner diameter: 37 mm

Used on 150ATS2, 150ATT, 160ATJ, 160ATJS, 165ATJ, 165ATJS, 180ATJ

REF [163TA8304](#)

## FUEL FILLER CAP



- Height: 41,4 mm
- Outer diameter: 74,5 mm
- Inner diameter: 30,7 mm

Used on 150AETJL BI ENERGY, 150ATS2, 150TP, 160ATJ, 160ATJ E3, 160ATJS E3, 165ATJ, 170AETJL BI ENERGY, 180ATJ, 180ATJ2 E3, 180ATJ E3, 180ATJS E3, 200ATJ, 260TJ, 280TJ

REF [127TA2804](#)

## RADIATOR CAP



- Length: 51,2 mm
- Width: 21,4 mm
- Height: 30 mm

Used on 160ATJ E3, 160ATJS E3, 180ATJ2 E3, 200ATJ, 260TJ, 280TJ, MAN GO 12

REF [163TA8442](#)

## FILTER



- Application: air filter
- Outer diameter: 74 mm
- Inner diameter: 38 mm
- Height: 148 mm

Used on 150ATS2, 150ATS20, 150TP, 160ATJ, 160ATJ PLUS, 160ATJ PLUS E3, 160ATJS, 165ATJ, 165ATJS, 180ATJ, 180ATJ E3, 180ATJS E3, 200ATJ

REF [163TA8480](#)

## FUEL LEVEL GAUGE



Length: 370 mm

Used on 160 ATJ, 160ATJ PLUS, 160ATJ E3, 160ATJ PLUS E3, 160ATJS E3, 180ATJ, 180ATJ2 E3, 180ATJS E3

REF [163TA8341](#)

## FUEL PUMP



- Total height: 90 mm
- Centre distance: 36 mm
- Number of holes: 2

Used on 160ATJ E3, 160ATJS E3, 180ATJ2 E3, MAN GO 12

REF [163TA8445](#)

## GLOW PLUG



- Type: sheated glow plug
- Voltage: 11 V
- Thread: M10
- Total length: 84,8 mm

Used on 160 ATJPLUSn 180 ATJS, 180 ATJ, 200ATJ, 260TJ, 280TJ

REF [163TA8434](#)



## INJECTORS



Length: 39,3 mm

Used on 160ATJ PLUS,  
160ATJ PLUS E3, 180ATJ E3,  
180ATJS E3, 200ATJ, 260 TJ,  
280TJ

**REF [163TA8436](#)**



Length: 77 mm

Used on 160ATJ PLUS,  
160ATJ PLUS E3, 180ATJ E3,  
180ATJS E3, 200ATJ, 260 TJ,  
280TJ

**REF [163TA8435](#)**

## ENGINE STOP SOLENOIDS



- Function: pull
- Mounting side: both sides
- Length: 104,3 mm

Used on MSI25-35T, MH254T  
BUGGIE, MSI20-35T (BUGGIE),  
200ATJ/RC

**REF [165TA4365](#)**



- Voltage: 12 V
- Type of current: DC
- Function: pull
- Mounting side: both sides
- Length: 131 mm

Used on 150TP, 160ATJ,  
160ATJS, 180ATJ

**REF [164TA1382](#)**



- Voltage: 12 V
- Type of current: DC
- Function: pull
- Mounting side: both sides
- Length: 131 mm

Used on 150AETJL BI ENERGY,  
160ATJ, 170AETJL BI ENERGY,  
180ATJ, 180ATJS, 200ATJ

**REF [163TA8482](#)**



- Voltage: 12 V
- Type of current: DC
- Function: pull
- Mounting side: both sides
- Length: 71 mm

Used on MAN GO 12

**REF [165TA4367](#)**



- Voltage: 12 V
- Type of current: DC
- Function: pull
- Mounting side: without
- Length: 64,5 mm

Used on MLT627 TURBO  
EVOLUTION, MLT635T/  
MT940-1740, MLT742 H TURBO  
LSU, MT732-932 S.E.E3,  
MRT1742

**REF [165TA4366](#)**



- Voltage: 12 V
- Type of current: DC
- Function: pull
- Mounting side: without
- Length: 82,7 mm

Used on 150TP, SLT415  
S.2-E2-SLT420BS, 200AJ/  
RC, BT420/425/BT1220/225-S,  
TM25.15-25 (S.SR.XT.C.CR)

**REF [165TA4368](#)**



## THERMOSTAT



- Outer diameter: 43,9 mm
- Bypass valve diameter: 31 mm
- Height engine side: 42 mm
- Opening temperature: 71 °C

Used on 160ATJ PLUS, 160ATJ PLUS E3, 180ATJ E3, 180ATJS E3, 200ATJ, 260 TJ, 280TJ

REF [163TA8355](#)

## ALTERNATORS



- Voltage: 12 V
- Current: 40 A

Used on 160ATJ E3, 160ATJS E3, 180ATJ2 E3

REF [163TA8444](#)

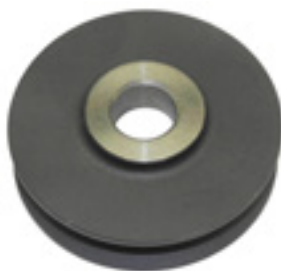


- Voltage: 12 V
- Current: 90 A

Used on 160ATJPLUS, 180ATJ E3, 180ATJS E3, 200ATJ

REF [163TA8322](#)

## PULLEY ALTERNATOR



- Inner diameter: 17 mm
- Maximum outer diameter: 73 mm
- Number of belts: 1
- Height: 22 mm

Used on 150TP, 160ATJ, 160ATJ PLUS, 160ATJS, 180ATJ, 200ATJ

REF [163TA8312](#)



## STARTERS



- Voltage: 12 V
- Power: 2,2 kW
- Number of teeth: 10

Used on MSI/MH20-35 (-4) T(BUGGIE), MSI20T-MH25-4T BUGGIE (4ST3B)

**REF [107TA9566](#)**



- Voltage: 12 V
- Power: 1,4 kW
- Number of teeth: 9

Used on 160/180ATJ(S)(2)E3(RC), 160ATJ(RC)(S) EURO 3

**REF [165TA4370](#)**



- Voltage: 12 V
- Power: 2 kW
- Number of teeth: 9

Used on 150TP, SLT415 S.2E2SLT420BS, 200AT J/RC, TMT25.15-25(S.SR.XT.CR)

**REF [165TA4369](#)**

## TRANSMISSION DISCS



- Type: steel plate (both sides)
- Outer diameter: 199,5 mm
- Inner diameter: 114 mm
- Number of teeth: 4
- Position of teeth: outer
- Material: steel

Used on 150TP, 160ATJ, 160ATJ E3, 160ATJ PLUS, 160ATJ PLUS E3, 160ATJS E3, 160ATJS, 180ATJ, 180ATJ2 E3, 180ATJ E3, 180ATJS E3

**REF [163TA8446](#)**



- Type: with sunburst texture
- Outer diameter: 200,8 mm
- Inner diameter: 41 mm
- Number of teeth: 16
- Position of teeth: inner
- Material: graphite

Used on 200ATJ, 260TJ, 280TJ

**REF [163TA8438](#)**

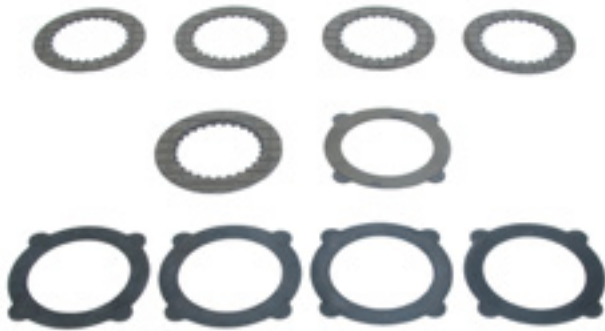


- Type: with waffle texture
- Outer diameter: 75,7 mm
- Inner diameter: 57,3 mm
- Number of teeth: 36
- Position of teeth: outer
- Material: bronze (sintend)

**REF [164TA6927](#)**



## CLUTCH DISC KIT



- Diameter: 84,8 mm
- Number of teeth: 27

**Content:**

- 1 x end plate (inner teeth)
- 4 x steel plate
- 1 x half plate

Used on 200ATJ, 260TJ, 280TJ

REF [163TA8437](#)

## UNIVERSAL JOINT



- No key spline – no circlips groove
- Length: 107 mm
- Diameter: 30 mm
- No grease nipple

Used on 150ATS, 150ATS2, 150ATS20, 150ATT, 150TP, 160ATJ, 160ATJ E3, 160ATJ PLUS E3, 160ATS E3, 160ATJS, 165ATJ, 165ATJS, 180ATJ, 180ATJ2 E3, 180ATJ E3, 180ATJS E3, 200ATJ, 260TJ, 280TJ

REF [163TA8439](#)



## BAR FOR SAFETY CAGE



- Length: 762 mm
- Diameter: 30 mm

Used on 100VJR EVOLUTION, 160ATJ PLUS, 160ATJ PLUS E3, 260 TJ, 280TJ, 80VJR EVOLUTION

REF [164TA1128](#)

## CABLE TRACKS



- Outside dimensions: 105 x 35 mm
- Inside dimensions: 89 x 25 mm
- Material: plastic

Used on 100VJR EVOLUTION, 80VJR EVOLUTION, 90V AIR

REF [161TA5322](#)



- Outside dimensions: 119,5 x 35 mm
- Inside dimensions: 103,5 x 26,5 mm
- Material: plastic

Used on 165ATJ, 165ATJS

REF [163TA8383](#)



- Outside dimensions: 96 x 50 mm
- Inside dimensions: 75 x 36 mm
- Material: plastic

Used on 150AETJ COMPACT, 150AETJL, 150AETJL BI ENERGY, 170AETJL, 170AETJL BI ENERGY, 180ATJ, 180ATJ E3, 180ATJS E3

REF [163TA8296](#)



- Outside dimensions: 97,5 x 50 mm
- Inside dimensions: 75 x 37 mm
- Material: plastic

Used on 150AETJ COMPACT, 150AETJL, 150AETJL BI ENERGY, 160ATJ, 160ATJ E3, 160ATJ PLUS, 160ATJS E3, 160ATJS, 170AETJL, 170ATJL BI ENERGY, MAN GO 12

REF [163TA8303](#)

## REPAIR LINK FOR CABLE TRACK



Used on 120AETJ COMPACT2, 120AETJL, 150AETJ COMPACT, 150AETJL, 160ATJ, 160ATJ E3, 160ATJ PLUS, 160ATJ PLUS E3, 160ATJS E3, 170AETJL, 180ATJ, 180ATJ2 E3, 200ATJ

REF [164TA1129](#)





## CABLE GUIDE LINKS



- Outside dimensions: 120 x 58 mm
- Inside dimensions: 118 x 58 mm
- Material: plastic

Used on 165ATJ, 165ATJS

**REF [163TA8403](#)**



- Outside dimensions: 119,5 x 35 mm
- Inside dimensions: 103,5 x 26,5 mm
- Material: plastic

Used on 165ATJ, 165ATJS

**REF [163TA8404](#)**



- Outside dimensions: 143,5 x 64 mm
- Inside dimensions: 125 x 43,5 mm
- Material: plastic

**REF [163TA8417](#)**



- Outside dimensions: 97 x 50 mm
- Inside dimensions: 75 x 38 mm
- Material: plastic

Used on 150ATJ COMPACT, 150AETJL, 150AETJL BI ENERGY, 160ATJ, 160ATJ E3, 160ATJ PLUS, 160ATJ PLUS E3, 160ATJS E3, 160ATJS, 170AETJL, 170AETJL BI ENERGY, 180ATJ, 180ATJ2 E3, 180ATJ E3, 180ATJS E3, MAN GO 12

**REF [163TA8324](#)**

## CHAIN SET



- Length: 140 mm
- Width: 94 mm

Used on 150AETJ COMPACT, 150AETJL, 150AETJL BI ENERGY, 160ATJ, 160ATJS, 170AETJL, 170AETJL BI ENERGY, 180ATJ, 180ATJ E3, 180ATJS E3, MAN GO 12

**REF [163TA8348](#)**



## DOOR HANDLES



- Length: 79,5 mm
- Width: 29 mm

Used on 100VJR EVOLUTION, 120AETJ, 120AETJ COMPACT2, 120AETJL, 150AETJL COMPACT, 150AETJL, 150AETL BI ENERGY, 160ATJ, 160ATJ E3, 160ATJ PLUS E3, 160ATJS E3, 160ATJS, 170AETJL, 170AETJL BI ENERGY, 180ATJ, 180ATJ2 E3, 200ATJ, 260TJ, 280TJ, 80VJR EVOLUTION, 90V AIR, MOB170, MOB170 EVOLUTION

**REF [163TA8338](#)**



- Length: 127 mm
- Width: 45 mm

Used on 105VJ, 105VJR, 105VJR2, 110VJR2, 120AETJ, 120AETJ COMPACT, 120AETJ COMPACT2, 150AET, 150AET2, 150AETJL BI ENERGY, 150ATT, 160ATJ, 160ATJS, 170AETJL BI ENERGY, 171AET, 180ATJ, 200ATJ, 80V, 80VJR, 80VR, 81XE

**REF [163TA8479](#)**

## HANDLES



- Length: 122 mm
- Width: 64 mm

Used on 150ATS, 150ATS2, 150ATT, 160ATJ, 160ATJS, 165ATJ, 165ATJS, 180ATJ, 200ATJ

**REF [163TA8478](#)**



- Length: 139 mm
- Width: 24 mm
- Diameter holes: 6,5 mm

Used on 120AETJL, 150AET, 150AET2, 150AETJL, 150AETJL BI ENERGY, 150ATS2, 150TP, 160ATJ, 160ATJ E3, 160ATJS E3, 160ATJS, 165ATJ, 165ATJS, 170AETJL, 170AETJL BI ENERGY, 171AET, 180ATJ, 180ATJ2 E3, 200ATJ, MAN GO 12

**REF [163TA8449](#)**



## FLOOR PLATE – SAFETY CAGE



- Length: 920 mm
- Width: 736 mm
- Height: 42 mm

Used on 80VJR, 105VJR2, 110VJR2

REF [164TA6924](#)

## LEVER



- Length: 156 mm
- Thread: M8 x 1,25 mm

Used on 150ATS2, 150ATS20, 150TP, 160ATJ, 160ATJS, 165ATJ, 165ATJS, 180ATJ, 180ATJ E3, 180ATJS E3

REF [163TA8398](#)

## POTENTIOMETER



- Resistance: 11  $\Omega$
- Cable length: 390 mm
- Built-in diameter: 10 mm
- Number of connections: 3

Used on 100VJR EVOLUTION, 80VJR EVOLUTION, 90V AIR

REF [160TA5999](#)

## STEERING AXLES



- Steering axle including hub with bearings and bolt
- 4 wheelbolts M14 x 1,5 mm
- Outside diameter hub: 150 mm
- Steering connection diameter: 30 mm

Used on 105VJ, 105VJR, 105VJR2, 110VJR2, 80V, 80VJR, 80VR

REF [163TA8465](#)



- Steering axle including hub with bearings and bolt
- 4 wheelbolts M14 x 1,5 mm
- Outside diameter hub: 150 mm
- Steering connection diameter: 30 mm

Used on 105VJ, 105VJR, 105VJR2, 110VJR2, 80V, 80VJR, 80VR

REF [164TA9967](#)

## TIE ROD



- Length: 525 mm
- Diameter: 37 mm

Used on 261/895455 200ATJ

REF [165TA4371](#)



WEAR PADS				
	Length mm	Material	Used on	REF
	100	Plastic	105VJ, 105VJR, 105VJR2, 110VJR2, 80V, 80VJR, 80VR	<a href="#">163TA8292</a>
	100	Plastic	80/100VJR EVOLUTION	<a href="#">164TA6937</a>
	100,5	Plastic	105VJ, 105VJR, 105VJR2, 110VJR2, 80V, 80VJR, 80VR	<a href="#">163TA8330</a>
	140	Plastic	160ATJ, 160ATJPLUS, 180ATJE3, 160ATJE3, 200ATJ,	<a href="#">163TA8300</a>
	140	Plastic	120 AETJ, 120AETJ COMPACT, 120AETJ COMPACT2, 120AETJL, 150AETJ COMPACT, 150AETJL, 150AETL BI ENERGY, 160ATJ E3, 160ATJS E3, 170AETJL, 170AETJL BI ENERGY, 180ATJ2 E3, MAN GO 12	<a href="#">163TA8328</a>
	150	Plastic	160/180ATJ(S)(2)E3(RC), 160ATJ/180ATJ (RC)(S) EURO3, 150/170AETJL BI ENERGY, 120AETJ C	<a href="#">163TA8332</a>
	150	Plastic	120AETJ, 120AETJ COMPACT, 120AETJ COMPACT2, 120AETJL, 150AETJ COMPACT, 150AETJL, 150AETJL BI ENERGY, 160ATJ, 160ATJ E3, 160ATJ PLUS, 160ATJ PLUS E3, 160ATJS E3, 160ATJS, 170AETJL, 170AETJL BI ENERGY, 180ATJ, 180ATJ2 E3, 180ATJ E3, 180ATJS E3, MAN GO 12	<a href="#">163TA8332</a>
	90	Plastic	150AET-170AET	<a href="#">164TA6941</a>



## GAS SPRINGS



- Type: push type
- Force: 350 N
- Centre distance: 365 mm

Used on 120AE, 150ATS, 150ATS2, 150ATS20, 150ATT, 150TP, 160ATJ, 160ATJS, 165ATJ, 165ATJS, 180ATJ, 200ATJ

**REF [163TA8307](#)**



- Type: push type
- Force: 500 N
- Centre distance: 590 mm

Used on 260TJ, 280TJ

**REF [161TA6130](#)**

## HINGE



- Length: 105 mm
- Width: 50 mm
- Diameter holes: 6,5 mm

Used on 105VJ, 105VJR; 150AET, 150AET2, 150ATS, 150ATS2, 150ATS20, 150ATT, 160ATJ, 160ATJS, 165ATJ, 165ATJS, 171AET, 180ATJ, 200ATJ, 80V, 80VR, D80E, D80ER, D80ERS, MAN GO 12

**REF [163TA8476](#)**

## ENGINE COVERS



- Length: 1530 mm
- Width: 1020 mm
- Height: 540 mm

Used on 160ATJ, 160ATJ E3, 160ATJ PLUS, 160ATJS E3, 160ATJS, 180ATJ, 180ATJ2 E3, 180ATJ E3, 200ATJ

**REF [163TA8281](#)**



- Length: 1070 mm
- Width: 370 mm
- Height: 1700 mm

**REF [164TA6920](#)**



PROTECTIVE COVERS				
	Length mm	Width mm	Used on	REF
	440	230	105VJR, 105VJR2, 110VJR2, 120AETJ, 120AETJ COMPACT, 120AETJ COMPACT2, 120AETJL, 150AETJ COMPACT, 150AETJL, 150AETJL BI ENERGY, 170AETJL, 170AETJL BI ENERGY, 80VJR	<a href="#">163TA8285</a>
	790	1150	120 AETJ L, 150AETJL, 150AETJL BI ENERGY, 170AETJL, 170AETJL BI ENERGY	<a href="#">163TA8309</a>
	1070	710	105VJR, 105VJR2, 110VJR2	<a href="#">163TA8466</a>
	1230	780	80/100VJR EVOLUTION	<a href="#">163TA8325</a>
	1230	805	100VJR EVOLUTION	<a href="#">151TA1632</a>
	1250	540	MLT635T/MT940-1740, MT1335-1745(H)SLT, 1645HSLT/MT940-1740	<a href="#">164TA6922</a>
	1250	1250	100VJR EVOLUTION, 90V AIR	<a href="#">163TA8327</a>



PROTECTIVE COVERS				
	Length mm	Width mm	Used on	REF
	1380	920	160ATJ, 160ATJ E3, 160ATJ PLUS, 160ATJ PLUS E3, 160ATJS E3, 160ATJS, 180ATJ, 180ATJ2 E3, 180ATJ E3, 180ATJS E3	<a href="#">163TA8382</a>
	1420	1020	160ATJ, 160ATJS, 180ATJ	<a href="#">163TA8377</a>
	1530	1020	105VJ, 105VJR, 105VJR2, 110VJR2, 80V, 80VR	<a href="#">163TA8467</a>

SAFETY CAGES	
 <ul style="list-style-type: none"> <li>· Length: 1080 mm</li> <li>· Width: 770 mm</li> <li>· Height: 1150 mm</li> </ul> <p><b>REF <a href="#">164TA6925</a></b></p>	 <ul style="list-style-type: none"> <li>· Length: 1120 mm</li> <li>· Width: 930 mm</li> <li>· Height: 1240 mm</li> </ul> <p>Used on 80VJR EVOLUTION, 100VJR EVOLUTION</p> <p><b>REF <a href="#">164TA1127</a></b></p>





## DECALS



- Length: 100 mm
- Height: 100 mm

Used on 100ELX, 100XEL, 110ELX, 120AETJ, 120AETJ COMPACT, 120AETJ COMPACT2, 120ELX; 120XEL, 65EX, 75EX, 78XE, 80ELX, 80EX, 80XEL, 81XE

REF [163TA1107](#)



- Length: 100 mm
- Height: 100 mm

Used on 150VJR, 105VJR2, 110VJR2, 80VJR

REF [138TA2797](#)



- Length: 100 mm
- Height: 110 mm

Used on 100VJR EVOLUTION, 100XEL, 105VJR2, 110VJR, 120AE, 120AETJ, 120AETJ COMPACT, 120AETJ COMPACT2, 120AETJL, 120XEL, 150AET, 150AET2, 150AETJ COMPACT, 150AETJL, 150AETJL BI ENERGY, 170AETJL, 170AETJL BI ENERGY, 171AET, 78XE, 80VJR, 80VJR EVOLUTION, 80XEL, 81XE, 90V AIR, D80E, D80ER, D80ERS

REF [163TA8352](#)



- Length: 100 mm
- Height: 170 mm

Used on 100VJR EVOLUTION, 80VJR EVOLUTION

REF [163TA6791](#)



- Length: 100 mm
- Height: 80 mm

Used on 105VJ, 105VJR, 105VJR2, 110VJR2, 80V, 80VJR, 80vR

REF [163TA8349](#)



- Length: 100 mm
- Height: 80 mm

Used on 120 AETJL, 150AETJ COMPACT, 150AETJL, 170AETJL

REF [163TA6679](#)



- Length: 116 mm
- Height: 172 mm

Used on 160ATJE3, 160ATJ PLUS, 160ATJ PLUS E3, 160ATJS E3, 180ATJ2 E3, 180ATJ E3 180ATJS E3, 200ATJ

REF [163TA8481](#)



## DECALS



- Length: 120 mm
- Height: 110 mm

REF [138TA2835](#)



- Length: 120 mm
- Height: 60 mm

REF [163TA8326](#)



- Length: 120 mm
- Height: 60 mm

Used on 105VJR, 105VJR2, 110VJR2, 120AE, 120AETJ, 120AETJ COMPACT, 120AETJL, 150AET, 150AET2, 150AETJL, 150ATS, 170AETJL, 171AET, 78XE, 80VJR, 81XE, D80E, D80ER, D80ERS, MOB170, MOB170 RP

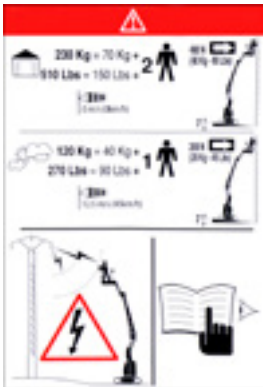
REF [163TA8346](#)



- Length: 120 mm
- Height: 90 mm

Used on 150ATS2, 160ATJ, 160ATJ E3, 160ATJ PLUS, 160ATJS E3, 160ATJS, 165ATJ, 165ATJS 180ATJ, 180ATJ2 E3, 180ATJ E3, 180ATJS E3, 200ATJ

REF [163TA8360](#)



- Length: 139 mm
- Height: 209 mm

Used on 120AETJ, 120AETJ COMPACT

REF [163TA1108](#)



- Length: 140 mm
- Height: 210 mm

Used on 160ATJ, 160ATJ E3, 160ATJS E3, 160ATJS, 180ATJ, 180ATJ2 E3, 180ATJ E3, 180ATJS E3, 200ATJ

REF [162TA9742](#)



- Length: 168 mm
- Height: 195 mm

Used on 105VJR, 105VJR2, 110VJR2, 80VJR

REF [163TA8356](#)



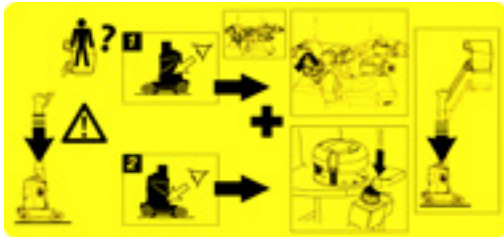
- Length: 168 mm
- Height: 195 mm

Used on 105VJR, 105VJR2

REF [138TA2831](#)



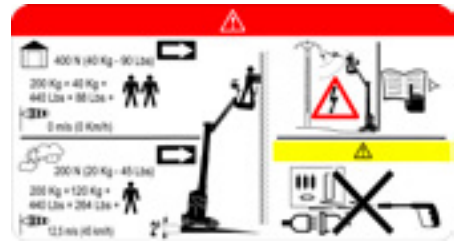
## DECALS



- Length: 190 mm
- Height: 89 mm

Used on 100VJR EVOLUTION, 80VJR EVOLUTION

REF [163TA7346](#)



- Length: 234 mm
- Height: 124 mm

Used on 100VJR EVOLUTION, 80VJR EVOLUTION

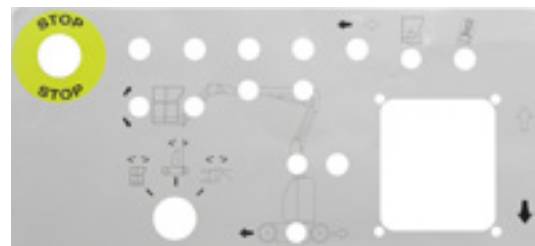
REF [163TA4964](#)



- Length: 242 mm
- Height: 148 mm

Used on 80VJR EVOLUTION, 100VJR EVOLUTION

REF [163TA8305](#)



- Length: 287 mm
- Height: 130 mm

Used on 120AETJ, 120AETJ COMPACT

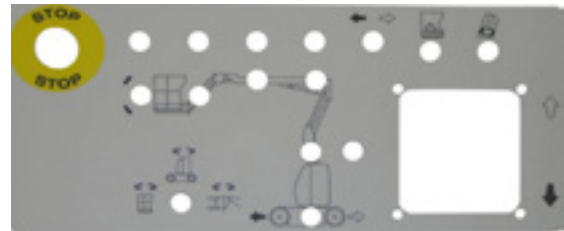
REF [139TA1698](#)



- Length: 290 mm
- Height: 130 mm

Used on 105VJR, 105VJR2, 110VJR2, 80VJR

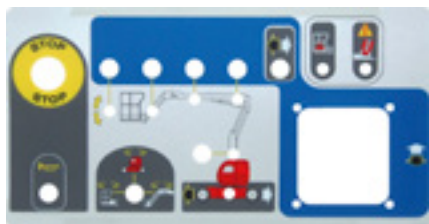
REF [126TA4653](#)



- Length: 290 mm
- Height: 130 mm

Used on 120AETJL, 120AETJ COMPACT

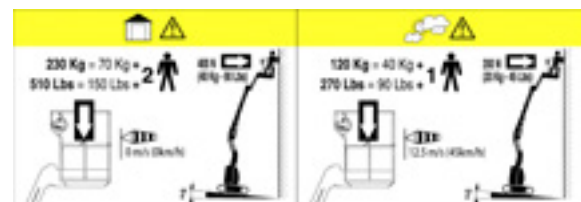
REF [138TA2708](#)



- Length: 299 mm
- Height: 159,5 mm

Used on 120 AETJL, 150AETJ COMPACT, 160AETJL, 170AETJL

REF [163TA1738](#)



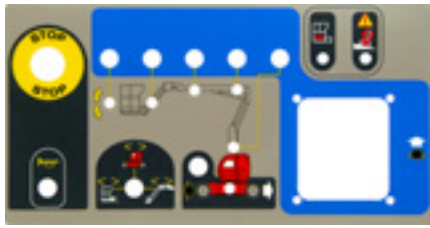
- Length: 300 mm
- Height: 105 mm

Used on 120AETJ, 120AETJ COMPACT

REF [163TA6086](#)



## DECALS



- Length: 300 mm
- Height: 155 mm

Used on 120AETJ COMPACT2, 120AETJL, 150AETJ COMPACT, 150AETJL, 170AETJL

**REF [163TA1921](#)**



- Length: 48 mm
- Height: 48 mm

Used on 150TP, 100XEL/120XEL, 81XE, 150/170AETJL BI ENERGY, 160ATJ PLUS (RC), 120AETJ C

**REF [138TA2823](#)**



- Length: 488,5 mm
- Height: 92 mm

Used on 160ATJ, 160ATJS, 180ATJ

**REF [163TA1592](#)**



- Length: 490 mm
- Height: 122 mm

Used on 160ATJ, 160ATJS, 180ATJ

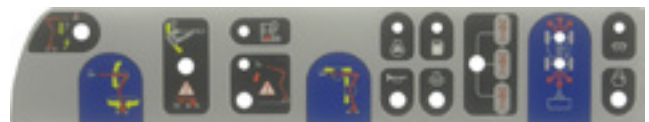
**REF [162TA9490](#)**



- Length: 490 mm
- Height: 122 mm

Used on 160ATJ, 160ATJ PLUS, 160ATJ E3, 160ATJ PLUS E3, 160ATJS E3, 160ATJS, 180ATJ, 180ATJ2 E3, 180ATJ E3, 180ATJS E3, 200ATJ

**REF [162TA8557](#)**



- Length: 490 mm
- Height: 92 mm

Used on 160ATJ, 160ATJS, 180ATJ, 200ATJ

**REF [139TA2888](#)**



- Length: 491 mm
- Height: 92 mm

Used on 160ATJE3, 160ATJ PLUS, 160ATJ PLUS E3, 160ATJS E3, 180ATJ E3, 180ATJS E3

**REF [163TA6746](#)**



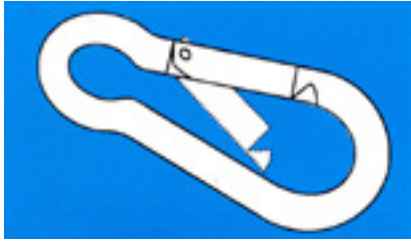
- Length: 500 mm
- Height: 200 mm

Used on 150AET2

**REF [163TA2474](#)**



## DECALS



- Length: 60 mm
- Height: 35 mm

Used on 150TP, 260/280TJ, 80/100VJR EVOLUTION, 160/180ATJ(S)(2)E3(RC)

**REF [163TA4321](#)**



- Length: 60 mm
- Height: 60 mm

Used on 100SC, 100SC2, 100SEC, 120AETJ COMPACT2, 120AETJL, 120SC, 120SC2, 120SE, 140SC2, 150AETJ COMPACT, 150AETJL, 150TP, 160ATJ, 160ATJ E3, 160ATJ PLUS, 160ATJS E3, 170AETJL, 180ATJ, 180ATJ2 E3, 180ATJ E3, 180ATJS E3, 200ATJ, 260TJ, 280TJ, 60V 78SEC, MAN GO 12

**REF [163TA4315](#)**



- Length: 60 mm
- Height: 60 mm

Used on 100VJR EVOLUTION, 120AETJ COMPACT2, 120AETJL, 150AETJ COMPACT, 150AETJL, 150AETJL BI ENERGY, 160ATJ E3, 160ATJ PLUS, 160ATJ PLUS E3, 160ATJS E3, 170AETJL, 170AETJL BI ENERGY, 180ATJ2 E3, 180ATJ E3, 180ATJS E3, 200ATJ, 260TJ, 280TJ, 80VJR EVOLUTION, 90V AIR, MAN GO 12

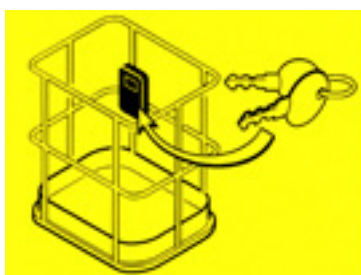
**REF [163TA1137](#)**



- Length: 60 mm
- Height: 60 mm

Used on 100SC, 100SC2, 100SEC, 120AETJ COMPACT2, 120AETJL, 120SC, 120SC2, 120SE, 140SC2, 150AETJ COMPACT, 150AETJL, 150TP, 160ATJ E3, 160ATJ PLUS, 160ATJS E3, 170AETJL, 170AETJL BI ENERGY, 180ATJ2 E3, 180ATJ E3, 180ATJS E3, 200ATJ, 260TJ, 280TJ, 78SEC, 80VJR EVOLUTION, 90V AIR, MAN GO 12, MOB170, MOB170 EVOLUTION, MOB170RP

**REF [163TA4318](#)**



- Length: 80 mm
- Height: 60 mm

Used on 100SC2, 100SEC, 100VJR EVOLUTION, 100XEL, 105VJ, 105VJR, 105VJR2, 110VJR2, 120AE, 120AETJ, 120AETJ COMPACT, 120AETJ COMPACT2, 120AETJL, 120SC2, 120SE, 120TH, 120XEL, 140SC2, 150AET, 150AET2, 150AETJ COMPACT, 150AETJL, 150AETJL BI ENERGY, 150ATS, 150ATS2, 150TP

**REF [138TA2838](#)**



## ANTI-PUNCTURE TYRES



- Type: tubeless tyre
- Tyre size: 12,5 x 18

Used on 150TP, 160ATJ; 160ATJ E3, 160ATJ PLUS, 160ATJ PLUS E3, 160ATJS E3, 160ATJS, 180ATJ, 180ATJ2 E3, 180ATJ E3, 180ATJS E3

**REF [163TA8282](#)** - LH  
**REF [165TA4373](#)** - RH

## TRACTION WHEELS

	Diameter wheel mm	Width wheel mm	Number of bolt holes	Diameter shaft mm	Used on	REF
	404	125	5	96	100XEL, 120XEL, 80XEL	<a href="#">163TA8384</a>
	405	127	4	85	100XEL/120XEL	<a href="#">161TA2719</a>
	406	127	5	85	80ELX/100ELX/120ELX, 80EX	<a href="#">165TA4372</a>
	406	127	0	33	80/100VJR EVOLUTION	<a href="#">160TA5700</a>
	590	188	5	110		<a href="#">164TA6921</a>







TRACTION WHEELS						
	Diameter wheel mm	Width wheel mm	Number of bolt holes	Diameter shaft mm	Used on	REF
	600	190	5	110	120AETJ COMPACT2	<a href="#">163TA8298</a>
	600	190	6	160	120 AETJL, 150AETJL COMPACT, 150AETJL, 170AETJL	<a href="#">163TA8295</a>
	600	190	6	162	120AETJ COMPACT2	<a href="#">163TA8385</a>





AXLES/PINS					
	Diameter mm	Length mm	Hardened	Used on	REF
	25	142	No	150AET2, 150ATT	<a href="#">163TA8408</a>
	39,3	114	No	160ATJ, 160ATJPLUS, 160ATJ PLUS E3, 160ATJS, 180ATJ, 180ATJ E3, 180ATJS E3, 200ATJ	<a href="#">163TA8306</a>



## SERVICE HAND CONSOLES



Calibrator

Used on 150ATT, 170ATT, 150ATS, 165ATJ

**REF [163TA8381](#)**



- Sevcon
- Calibrator power pack
- Programming kit

Used on 80ELX, 80XEL, 100 ELX, 100XEL, 105VJR2, 120AETJ, 120ELX, 120XEL

**REF [163TA8453](#)**



- Sevcon
- Programmer for MOS90 series

Used on 105VJR, 120AE, 150AET, D80ER

**REF [163TA8452](#)**



USED ON  
**MEC**



## ELECTRONIC JOYSTICKS



REF [147TA6770](#)



REF [147TA6692](#)

## CONTROL BOXES



Control box assembly  
Used on 3072RT, 3772RT, X72RT,  
X91RT

REF [147TA6764](#)



Control box assembly with horn  
and tilt  
Used on 1532ES, 1932ES,  
2033ES, 2033/2033RS

REF [147TA6762](#)



Control box CE  
REF [147TA6765](#)



Control box assembly non-  
removeable  
REF [147TA6767](#)



Control box assy X32  
Used on 1532ES, 1932ES,  
2033ES  
REF [147TA6768](#)



## CONTROL HANDLE



Used on 2033/2033RS, 3072RT/3772RT, 3072 4WD

REF [147TA6766](#)

## LOWER CONTROL BOX SHELL



- Length: 320 mm
- Width: 285 mm
- Height: 160 mm

REF [147TA6509](#)





## MOTOR CONTROLLERS



- Voltage: 24–36 V
- Current: 250 A

Used on 2033/2033RS

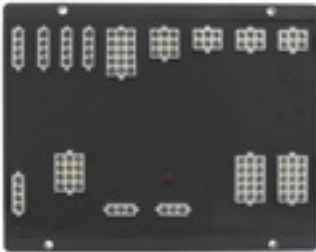
REF [147TA6834](#)



Voltage: 48 VDC

REF [147TA6829](#)

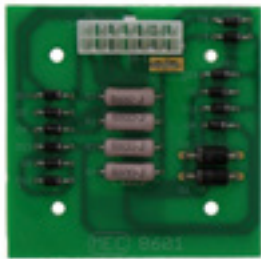
## PRINTED CIRCUIT BOARDS



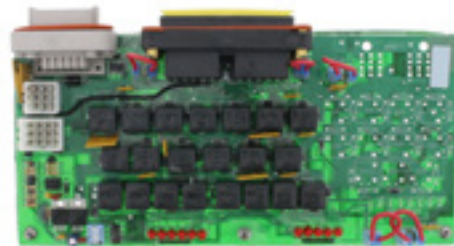
Controller system



Circuit board



Circuit board



Circuit board



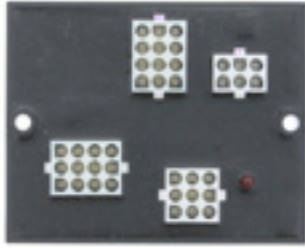
Control board lower



Electric outrigger controller



## PRINTED CIRCUIT BOARDS



Matrix module



Module overload control



PWM card

Although these electronic cards may resemble the one fitted on your mobile elevating work platform there can be a big difference. Therefore we always ask you to supply us with part number or full vehicle details before ordering a similar unit.

This is just a small selection of our electronic boards. For all other types, please feel free to call us!





## BACK-UP ALARMS



- Voltage: 12–48 V
- Volume: 97 dB
- Conformity: CE/SAE approved

Used on 2033/2033RS,  
3072 4WD

REF [147TA6672](#)



- Voltage: 3–28 V
- Volume: 98 dB
- Conformity: not approved

Used on 2033/2033RS,  
3072/3772RT

REF [147TA6675](#)

## HORN



- Volume: 107 dB
- Voltage: 12–48 V
- Dimensions: 126 x 76 x 69 mm

Used on 3072RT/3772RT, 3072 4WD

REF [147TA6798](#)



## CABLE LOOMS



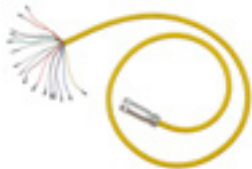
- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 1455 mm
- Number of plugs: 2

REF [147TA6622](#)



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 2315 mm
- Number of plugs: 3

REF [147TA6782](#)



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 2760 mm
- Number of plugs: 17

Used on 2033/2033RS

REF [147TA6783](#)



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 2820 mm
- Number of plugs: 2

REF [147TA6779](#)



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 520 mm
- Number of plugs: 18

REF [147TA6781](#)

## CIRCUIT BREAKER



- Dimensions (L x W x H): 35 x 16,6 x 60 mm
- Current: 15 A
- Voltage DC: 50 V
- Voltage AC: 250 V

Used on 2033/2033RS, 3072 4 WD, 3072RT/3772RT

REF [147TA6715](#)



## CONTACTORS



- Voltage: 12 V
- AC/DC: DC
- Current: 225 A
- Resistance: 6,7  $\Omega$
- Connections: 2
- Number of NO contacts: 1

**REF [147TA6688](#)**



- Voltage: 24 V
- AC/DC: DC
- Current: 200 A
- Resistance: 85,2  $\Omega$
- Connections: 2
- Number of NO contacts: 1

Used on 2033/2033RS

**REF [147TA6686](#)**



- Voltage: 36 V
- AC/DC: DC
- Current: 200 A
- Resistance: 192,8  $\Omega$
- Connections: 2
- Number of NO contacts: 1

**REF [147TA6687](#)**

## LIGHT INDICATOR



- Length: 35 mm
- Built-in diameter: 16 mm
- Lens colour: green

Used on 3072RT/3772RT

**REF [147TA6691](#)**

## RELAY



- Type of relay: general purpose and power relay
- Voltage: 24 V
- Type of voltage: DC
- Current: 3 A

**REF [147TA6841](#)**

## BRUSH KIT



- Number of brushes: 2
- Thickness: 9,5 mm
- Width: 31,7 mm
- Height: 31,7 mm

**REF [147TA6784](#)**



ELECTRIC MOTORS						
	Min voltage	Current	Revolutions/ minute rpm	Power	Used on	REF
	V	A		kW		
	24	180	2800	3		<a href="#">147TA6700</a>
	24	42	3000			<a href="#">147TA6696</a>
	24	82	3000	1,47	2033/2033RS	<a href="#">147TA6699</a>
	36	171	4000	5,07		<a href="#">147TA6697</a>
	48	77	3000	2,94		<a href="#">147TA6694</a>

**CALIBRATOR TRANSDUCER**



REF [147TA6820](#)



## BASE FITTING



- Length: 40 mm
- Width: 30 mm
- Height: 10,8 mm

Used on 3072RT/3772RT

**REF [147TA6885](#)**

## EMERGENCY SWITCH



- Stop assy
- Voltage: 400 V
- Current: 10(6) A
- Number of NC contacts: 2

Used on 3072RT/3772RT,  
3072 4WD, 2033/2033RS

**REF [147TA6860](#)**

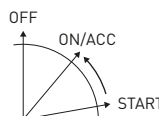
## BATTERY DISCONNECT SWITCH



- Length: 108 mm
- Diameter: 17 mm

**REF [147TA6858](#)**

## IGNITION SWITCH



- Number of connections: 5
- Number of positions: 3
- Built-in diameter: 25 mm
- Total length: 81 mm
- With key

**REF [165TA1043](#)**

## KEY SWITCHES



- Number of positions: 2
- Built-in diameter: 19 mm
- Key number: 2007
- Material: metal

Used on 2033/2033RS, 3072 4WD

**REF [147TA6805](#)** – Without key  
**REF [128TA5726](#)** – Key



- Number of positions: 2
- Built-in diameter: 22 mm
- Key number: 455
- Material: plastic

Used on 3072RT/3772RT

**REF [147TA6801](#)** – Without key  
**REF [110TA3210](#)** – Key



- Number of positions: 3
- Built-in diameter: 22 mm
- Key number: 455
- Material: metal

Used on 3072RT/3772RT

**REF [147TA6802](#)** – Without key  
**REF [110TA3210](#)** – Key



- Number of positions: 3
- Built-in diameter: 22 mm
- Key number: 455
- Material: metal

**REF [147TA6804](#)** – Without key  
**REF [110TA3210](#)** – Key



## LIMIT SWITCHES



- Number of NO contacts: 1
- Number of NC contacts: 1
- Number of mounting holes: 2
- Current: 6 A

**REF [147TA6859](#)**



- Number of NO contacts: 1
- Number of NC contacts: 2
- Current: 1,5 A

Used on 3072RT/3772RT

**REF [164TA1614](#)**



- Number of NO contacts: 2
- Number of NC contacts: 2
- Current: 10 A

Used on 3072 4WD

**REF [165TA1044](#)**

## MICROSWITCHES



- Number of connections: 3
- Number of CO contacts: 1
- Number of connection holes: 2
- Current: 15 A

Used on 2033/2033RS, 3072RT/3772RT, 3072 4WD

**REF [164TA1559](#)**



- Number of connections: 3
- Number of CO contacts: 1
- Number of connection holes: 2
- Current (125/250 VAC): 15 A

Used on 3072RT/3772RT, 3072 4WD, 2033/2033RS

**REF [147TA6856](#)**



## PUSH BUTTONS



- Number of connections: 2
- Voltage: 115 VAC
- Current: 5 A
- Length: 34 mm

Used on 3072RT/3772RT, 3072 4WD, 2033/2033RS

**REF [147TA6865](#)**



- Number of connections: 2
- Voltage: 125 VAC
- Current: 3 A
- Length: 53 mm

**REF [147TA6868](#)**



- Number of connections: 2
- Voltage: 250 VAC
- Current: 5 A
- Length: 58 mm

Used on 3072RT/3772RT, 2033/2033RS, 3072 4WD

**REF [147TA6869](#)**



- Number of connections: 2
- Voltage: 125 VAC
- Current: 3 A
- Length: 32 mm

**REF [147TA6863](#)**





TOGGLE SWITCHES						
	Positions	Number of connections	Maximum voltage V	Current A	Used on	REF
	2	2	250	10	3072RT/3772RT, 3072 4WD	<a href="#">164TA1580</a>
	2	3	250	12	2033/2033RS, 3072 4WD	<a href="#">147TA6870</a>
	2	2	125 VAC	5	2033/2033RS, 3072 4WD, 3072RT/3772RT	<a href="#">147TA6861</a>
	2	2	250 VAC	9	2033/2033RS	<a href="#">147TA6864</a>
	3	3	125/250 VAC	12/10	3072RT/3772RT, 3072 4WD, 2033/2033RS	<a href="#">146TA9110</a>
	3	3	125/250 VAC	12/10		<a href="#">146TA9109</a>



## ANGLE SENSOR



- Length: 103 mm
- Width: 37,5 mm
- Height: 32 mm

Used on 3072RT/3772RT

**REF [147TA6693](#)**

## OVERLOAD SENSOR



- Thread: 7/16" UNF
- Switch mode: multiple, different or with signal
- Pressure range: 200 bar
- Length: 69 mm

Used on 3072RT/3772RT

**REF [163TA7912](#)**

## TILT SENSOR



- Length: 102 mm
- Voltage: 24 V
- Detection: 4,5°

Used on 3072 4WD

**REF [147TA6880](#)**



CARTRIDGE VALVES						
	Drawing	Width across flats Inch	Length mm	Diameter mm	Used on	REF
			104,2	20		<a href="#">147TA6501</a>
		1	115,2	15,8		<a href="#">147TA6708</a>
		1	117	15,8	2033/2033RS	<a href="#">163TA7910</a>
		1	55,6	15,8	2033/2033RS	<a href="#">147TA6751</a>
		22,4	106	35,8		<a href="#">147TA6717</a>
		7/8	101,4	12,7		<a href="#">163TA7909</a>
		7/8	106	12,7	3072RT/3772RT	<a href="#">147TA6702</a>
			113	12,8	3072RT/3772RT	<a href="#">147TA6707</a>



COILS						
	Voltage V	AC/DC	Resistance $\Omega$	Diameter mm	Height mm	REF
	12	DC	9,2	13,2	37,4	<a href="#">147TA6706</a>
	24	DC	30,8	13	45	<a href="#">147TA6710</a>
	24	DC	42,5	33	37	<a href="#">147TA6508</a>
	36	DC	58,3	13	51,8	<a href="#">147TA6709</a>

COUPLING	
	<ul style="list-style-type: none"> <li>· Height: 15 mm</li> <li>· Diameter: 14,2 mm</li> </ul> <p><b>REF <a href="#">147TA6812</a></b></p>



## HYDRAULIC CYLINDERS



- Brake cylinder
- Total measured length: 287 mm
- Diameter tube: 51 mm
- Diameter rod: 29 mm
- Piston shaft stroke: 50 mm

**REF [147TA6826](#)**



- Special cylinder
- Total measured length: 525 mm
- Diameter tube: 51 mm
- Diameter rod: 19 mm
- Piston shaft stroke: 285 mm

Used on 3072RT/3772RT

**REF [147TA6825](#)**



- Steering cylinder
- Total measured length: 340 mm
- Diameter tube: 51 mm
- Diameter rod: 19 mm
- Piston shaft stroke: 130 mm

**REF [147TA6824](#)**












- Steering cylinder
- Total measured length: 477 mm
- Diameter tube: 73 mm
- Diameter rod: 31,75 mm
- Piston shaft stroke: 90 mm

Used on 2033/2033RS

**REF [147TA6827](#)**



HYDRAULIC HOSES				
	Length mm	Pressure psi	Used on	REF
	800	3000		<a href="#">147TA6743</a>
	820	3000	2033/2033RS	<a href="#">147TA6737</a>
	565	3000	2033/2033RS	<a href="#">147TA6738</a>
	1200	3000		<a href="#">147TA6734</a>
	1420	3000		<a href="#">147TA6739</a>
	1720	3000		<a href="#">147TA6741</a>
	440	3000	2033/2033RS	<a href="#">147TA6735</a>
	711,2	3000	2033/2033RS	<a href="#">147TA6736</a>
	940	3000		<a href="#">147TA6745</a>



## HYDRAULIC MOTORS



- Length: 220 mm
- Centre distance: 105 mm
- Thread: 7/8" UNF

**REF [147TA6753](#)**



- Length: 230 mm
- Centre distance: 104,5 mm
- Thread: 7/8" UNF

Used on 2033/2033RS

**REF [147TA6752](#)**



- Length: 358 mm
- Centre distance: 104,5 mm
- Thread: 1 1/6" UNF

Used on 3072RT/3772RT, 3072  
4WD

**REF [147TA6495](#)**





HYDRAULIC PUMPS						
	Length mm	Neck diameter mm	Direction of rotation	Housing material	Used on	REF
	121	45,2	CCW	Aluminium		<a href="#">147TA6760</a>
	131	82,5	CW	Aluminium		<a href="#">147TA6500</a>
	131	82,5	CW	Metal	3072/3772RT	<a href="#">147TA6486</a>
	88	45,2		Metal		<a href="#">147TA6759</a>
	88	45,2	CCW	Metal	2033/2033RS	<a href="#">147TA6761</a>

### SEAL KIT CYLINDER STEERING



REF [147TA6875](#)

### BRAKE SHOE



- Type of material: metal
- Length: 167 mm
- Width: 38 mm
- Height: 87 mm

REF [164TA1604](#)



## WHEEL BRAKES



- Diameter: 185,1 mm
- Height: 98,9 mm
- Number of mounting studs: 5
- Release pressure: 385 psi

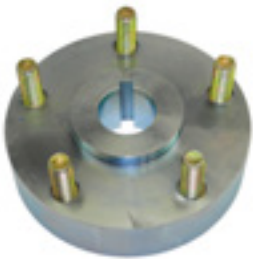
REF [147TA6844](#)



- Diameter: 185,1 mm
- Height: 98,9 mm
- Number of mounting studs: 5
- Release pressure: 490 psi

REF [147TA6845](#)

## WHEEL HUB



- Total height: 61 mm
- Diameter: 37 mm
- Number of holes: 5

REF [163TA7902](#)



## ENGINE SOLENOID



- Voltage: 12 V
- Type of current: DC
- Function: pull
- Mounting side: both sides
- Length: 135 mm

Used on 3072RT/3772RT

**REF [147TA6817](#)**

## SOLENOID



- Length: 104,3 mm
- Maximum diameter: 38 mm

**REF [147TA6520](#)**

## ALTERNATOR



- Voltage: 12 V
- Current: 40 A

Used on 3072RT/3772RT

**REF [147TA6489](#)**



## BALL JOINT, ROD END



- Outer diameter: 38 mm
- Inner diameter: 16 mm
- Height: 55,2 mm

Used on 3072RT/3772RT,  
3072 4WD

REF [147TA6853](#)

## CHAIN





- Pitch: 15,88 mm
- Type of chain: simplex roller chain
- Pin diameter: 5,08 mm
- Total width: 20,3 mm
- Total length: 1,16 m

Used on 2033/2033RS

REF [147TA6776](#)

## CONTROL CABLES

	Length cable mm	Diameter cable mm	Length sleeve mm	Used on	REF
	1460	3,3		3072RT/3772RT, 3072 4WD	<a href="#">147TA6778</a>
	2130	1,5	2045		<a href="#">147TA6773</a>
	2610	1,5	2455	2033/2033RS	<a href="#">147TA6772</a>
	2630	1,3	2447		<a href="#">147TA6774</a>

## LOAD WHEEL



- Diameter wheel: 101 mm
- Width wheel: 21 mm
- Diameter shaft: 25,5 mm

Used on 3072RT/3772RT,  
3072 4WD

REF [147TA6852](#)

## LOCK



- Length: 93 mm
- Width: 33 mm

Used on 2033/2033RS,  
3072RT/3772RT

REF [147TA6771](#)



## LEVER PARTS



- Total length: 340 mm
- Width: 25 mm
- Diameter holes: 2 x 9,6 mm

**REF [165TA1045](#)**



- Total length: 340 mm
- Width: 25 mm
- Diameter holes: 2 x 9,6 mm

**REF [165TA1046](#)**

## ROD TIE WELDMENT



Length: 750 mm

**REF [147TA6890](#)**

## SPACER BLOCK-BEAM



- Diameter: 63,5 mm
- Height: 30,5 mm

Used on 3072RT/3772RT

**REF [147TA6854](#)**

## STEERING WHEEL SUPPORT



- Length: 136 mm
- Biggest diameter: 44,3 mm
- Diameter of the hole: 83 mm

**REF [147TA6918](#)**

## SUPPORTS



- Number of holes: 2
- Material: cast iron

Used on 3072RT/3772RT,  
3072 4WD, 2033/2033RS

**REF [147TA6887](#)**



- Number of holes: 8
- Material: metal

Used on 2033/2033RS

**REF [147TA6889](#)**



## WEAR PAD



- Total length: 127 mm
- Material: plastic

Used on 2033/2033RS,  
3072RT/3772RT, 3072 4WD

**REF [147TA6719](#)**







## TRACTION WHEELS



- Diameter: 354 mm
- Number of bolt holes: 5
- Width wheel: 115 mm
- Diameter shaft: 86 mm

**REF [126TA5939](#)**



- Diameter: 406 mm
- Number of bolt holes: 5
- Width wheel: 128 mm
- Diameter shaft: 86 mm

Used on 2033/2033RS

**REF [147TA6910](#)**



- Diameter: 406,4 mm
- Number of bolt holes: 5
- Width wheel: 127 mm
- Diameter shaft: 86 mm

**REF [147TA6912](#)**

## WHEEL BOLT



- Neck diameter: 15,7 mm
- Length: 41 mm
- Thread type: 1/2" UNF
- Imperial pitch: 20 Pi
- RH/LH: RH

**REF [165TA1047](#)**

## WHEEL NUT



- Type: cone head
- Thread: 1/2" UNF
- RH/LH: RH
- Pitch: 20 Pi
- Wrench opening: 20,64 mm

Used on 2033/2033RS,  
3072RT/3772RT, 3072 4WD

**REF [165TA1048](#)**

## HUB CAP



- Exterior diameter: 66,5 mm
- Diameter passing: 62,3 mm
- Height: 34,2 mm

Used on 2033/2033RS

**REF [147TA6685](#)**



AXES				
	Diameter mm	Total length mm	Hardened	REF
	12,6	57,1	No	<a href="#">147TA6626</a>
	12,7	42,8	No	<a href="#">147TA6633</a>
	25,4	50,8	Yes	<a href="#">147TA6634</a>

### LOCK PIN




- Diameter pin: 9,5 mm
- Total length: 353 mm
- Length tether: 200 mm

Used on 3072RT/3772RT

**REF [164TA1610](#)**

### PRESSURE SPRING



- Outer diameter: 18 mm
- Length: 51 mm

Used on 2033/2033RS,  
3072RT/3772RT, 3072 4WD

**REF [163TA7907](#)**



## RETURN SPRINGS



- Length: 126,3 mm
- Diameter: 19 mm
- Thread diameter: 2,4 mm

Used on 2033/2033RS

**REF [147TA6897](#)**



- Length: 192 mm
- Diameter: 38,3 mm
- Thread diameter: 4,8 mm

**REF [163TA7908](#)**



- Length: 320 mm
- Diameter: 45 mm
- Thread diameter: 7,6 mm

**REF [147TA6900](#)**

## TORSION SPRINGS



- Type of spring: round wire
- Diameter coil: 22 mm
- Length coil: 7 mm
- Number of windings: 2
- Specification: lock/hinge

Used on 2033/2033RS,  
3072 4WD, 3072RT/3772RT

**REF [163TA7906](#)**



- Type of spring: round wire
- Diameter coil: 25,4 mm
- Length coil: 98 mm
- Number of windings: 35
- Specification: other

Used on 2033/2033RS,  
3072 4WD, 3072RT/3772RT

**REF [163TA7904](#)**



## WIRE LOCKING PINS



- Diameter pin: 9,5 mm
- Length pin: 72 mm

Used on 3072RT/3772RT,  
3072 4WD

**REF [147TA6722](#)**



- Diameter pin: 9,5 mm
- Length pin: 82 mm

**REF [147TA6490](#)**



- Diameter: 12,7 mm
- Total length: 112 mm
- Hardened: no

Used on 3072RT/3772RT,  
3072 4WD

**REF [147TA6623](#)**



USED ON  
**NIFTYLIFT**



## ELECTRONIC JOYSTICKS



Single-axis  
Used on 210  
**REF [151TA1691](#)**



Single-axis  
Used on HR28  
**REF [163TA7893](#)**



Traction drive  
Used on 170, 120H, 120T  
**REF [151TA1690](#)**



- Single-axis
- Paddle joystick and connector

Used on 120T, 120H(TM34H), 170  
**REF [151TA1889](#)**





## PRINTED CIRCUIT BOARDS



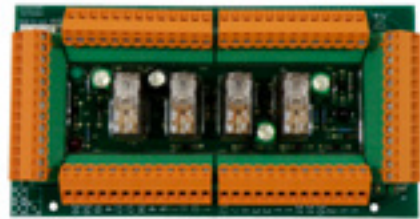
Throttle



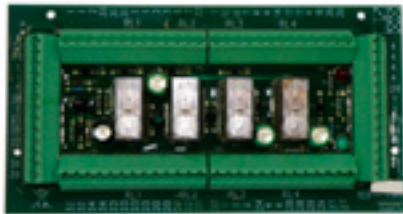
Assembly 24 V clack fully



Assembly clack fully load



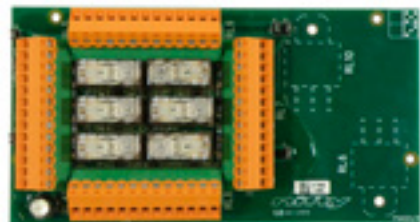
Assembly control fully load



Assembly control 24 V fully load



24 V



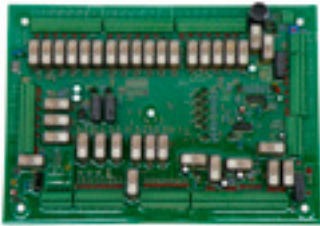
Cage control



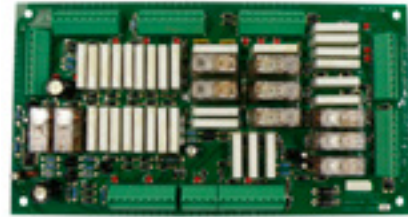




## PRINTED CIRCUIT BOARDS



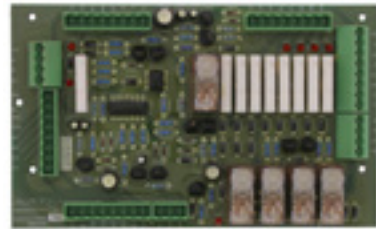
Main control



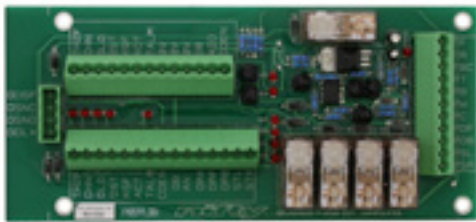
Base



Main control



Cage control loaded



Cage control



Convertor step down 12-48 V

Although these electronic cards may resemble the one fitted on your mobile elevating work platform there can be a big difference. Therefore we always ask you to supply us with part number or full vehicle details before ordering a similar unit.

This is just a small selection of our electronic boards. For all other types, please feel free to call us!



## HORN



- Volume: 105 dB
- Voltage: 12 V
- Type of mounting: straight bracket
- Diameter: 90 mm

Used on 210, 120T(TM34T), 170/TM50, 120T, 120H(TM34H), 120(TM34), HR10, HR21, SD170, 170, HR15

REF [151TA1746](#)

**E-approved**

## BUZZERS



- Voltage: 12 V
- Volume: 78 dB
- Length: 33,4 mm
- Height: 17 mm
- Width: 15,5 mm

Used on 120H(TM34H), HR10, SD170, 170

REF [151TA1611](#)



- Voltage: 6–13 V
- Volume: 115 dB
- Dimensions: Ø 100 x 100 mm

Used on HR12, HR10, SD170

REF [151TA1612](#)

## CONTACTORS

	Voltage V	Maximum current interrupted A	Maximum current uninterrupted A	Magnetic blowouts	Used on	REF
	12	250	400	Yes	HR15N/17N	<a href="#">151TA1622</a>
	12	150	200	No	170/TM50, HR10/HR12, SD170/SD50, 120H(TM34H), 120(TM34)-120M/ H/T/TM	<a href="#">151TA1875</a>
	24	150	200	No	120(TM34)	<a href="#">151TA1874</a>
	48	200	200	No	SD170, 120H(TM34H), HR12, 120T, 170/ TM50, 120(TM34), HR10, 170	<a href="#">151TA1876</a>



## DIODE - THYRISTOR BRIDGE



- Voltage: 50 V
- Current: 50 A
- Length: 28,50 mm
- Width: 28,50 mm
- Height: 23 mm

Used on HR12, HR10

**REF [151TA1601](#)**

## RELAY



- Type of relay: mini-relay
- Voltage: 12 V
- Type of voltage: DC
- Current: 30 A

Used on HR21

**REF [151TA1792](#)**

## TIMER RELAY



For 12 V machines

Used on 210, 120H(TM34H),  
120T, 170/TM50, 120(TM34),  
HR12, HR10, SD170, 210SD,  
170

**REF [151TA1793](#)**



## CONTACT BLOCKS



- Number of NO contacts: 0
- Number of NC contacts: 1
- Voltage: 400 V
- Current: 10 A

Used on SD170, 210SD

**REF [146TA8397](#)**



- Number of NO contacts: 1
- Number of NC contacts: 0
- Voltage: 5–24 V
- Current: 0,1–100 mA

Used on 170/TM50, HR10/  
HR12, SD170/SD50, HR12, 120H  
(TM34H)

**REF [151TA1805](#)**



- Number of NO contacts: 1
- Number of NC contacts: 0
- Voltage: 400 V
- Current: 10 A

Used on 120H(TM34H), HR10,  
HR21, SD170, 170, 210

**REF [146TA8396](#)**



- Number of NO contacts: 1
- Number of NC contacts: 0
- Voltage: 110 VDC
- Current: 5 A

Used on 210, 120H(TM34H),  
120T, HR10, HR21, SD170,  
210SD, 170

**REF [151TA1808](#)**



- Number of NO contacts: 2
- Number of NC contacts: 0
- Voltage: 400 V
- Current: 10 A

Used on 120H(TM34H), HR12

**REF [151TA1809](#)**



## AUTOMATIC FUSE



- Type of fuse: with push button
- Voltage: 50 VDC/250 VAC
- Current: 10 A

Used on SD170, 120H(TM34H), 120T, 170/TM50, 120(TM34), HR10, 170

REF [141TA1430](#)

## REVOLVING LIGHT/STROBE LIGHT



- Height: 82 mm
- Voltage: 12-24 V

Used on 120H(TM34H), 120T, 120(TM34), HR12, HR10, SD170, 170

REF [149TA5192](#)

## REAR LIGHTS



1

2

- Technology: incandescent
- Mounting: 2 bolts
- Centre distance: 152 mm
- Voltage: 12 V
- Functions: rear, stop, turn, reverse, fog, license, reflector triangle
- Bulbs included
- Connector: A8

1. REF [148TA1359](#) – LH version
2. REF [151TA6093](#) – RH version

E-approved

## BULB



- Base notation: E10
- Voltage: 6 V
- Power: 1,2 W

Used on 210/TM64, 170/TM50, HR10/HR12, HR21/SP64, HR12, 120H(TM34H), 120T

REF [142TA1277](#)

## DASHBOARD WARNING LIGHT



- Length: 31 mm
- Built-in diameter: 12 mm

Used on 210, 120H(TM34H), 120T, HR12, HR10, HR21, 210SD, 170, SD170/SD50

- REF [151TA1623](#) – Red
- REF [151TA1624](#) – Green
- REF [165TA4374](#) – Orange



## LAMP HOLDER LIGHTS



- Length: 21 mm
- Diameter: 24 mm
- For lamp diameter: 15 mm

Used on SD170

**REF [150TA6848](#)**



- Length: 22 mm
- Diameter: 26 mm
- For lamp diameter: 16 mm

Used on 210, 120H(TM34H), 120T, HR10, HR21, SD170, 210SD, 170

**REF [150TA6850](#)**

## PLUGS AC



- Current: 16 A
- Voltage: 200/250 V

Used on HR15N/17N, 170/TM50, HR10/HR12, 120H(TM34H), HR10DC

**REF [161TA8417](#)**



## ELECTRICITY CLOSETS AND BOXES



- Length: 190 mm
- Width: 165 mm

Used on HR10/12, SD170, 170, HR12 4x4

**REF [161TA8421](#)**



- Length: 191 mm
- Width: 72 mm
- Height: 52 mm

Used on HR10/12, 120T, 120H, 170

**REF [161TA8434](#)**



- Length: 240 mm
- Width: 105 mm
- Height: 120 mm

Used on 120T, 170/TM50, 120(TM34)

**REF [151TA1750](#)**



- Length: 225 mm
- Width: 73 mm
- Height: 80 mm

**REF [151TA2279](#)**



- Length: 170 mm
- Width: 120 mm
- Height: 55 mm

Used on HR10/12, 90, 120T, 170

**REF [161TA8431](#)**

## BATTERY REGULATOR ASSEMBLY



- Length: 118 mm
- Width: 93 mm
- Height: 34 mm

Used on 210, 120H(TM34H), 120T, 170

**REF [161TA8465](#)**

## REGULATOR



- Voltage: 12 V
- Length: 65 mm
- Width: 84 mm
- 6-pin connection

Used on 120T, 120H(TM34H)

**REF [151TA1918](#)**





## SERVOMOTOR





- Voltage: 12 VDC
- Length: 380 mm

Used on HR15N/17N

REF [150TA9834](#)

## ELECTRIC MOTORS

	Minimum voltage V	Current A	Revolutions/ minute rpm	Power kW	Direction of rotation	Used on	REF
	24	168	3500	3	CW	120H(TM34H)	<a href="#">151TA1646</a>
	24	200	3300	3	CCW	120H(TM34H), HR12, 120(TM34), 170	<a href="#">151TA1877</a>



## BRUSH KITS



- Thickness: 10 mm
- Width: 25 mm
- Height: 23 mm
- Indicator wire: no
- Set of 4 carbon brushes

Used on 120H(TM34H), HR12, 120(TM34), 170

**REF [151TA1705](#)**



- Thickness: 10 mm
- Width: 25 mm
- Height: 24,4 mm
- Indicator wire: no
- Set of 4 carbon brushes

Used on 120H(TM34H), 120T, HR10, SD170, 170

**REF [151TA1706](#)**



- Thickness: 10,9 mm
- Width: 25 mm
- Height: 28,4 mm
- Indicator wire: no
- Set of 4 carbon brushes

Used on 170/TM50, HR12, 120H(TM34H), 120M/H/T, HR12

**REF [141TA1127](#)**

## COMPLETE DIFFERENTIAL



- Total height: 290 mm
- Number of holes: 8

Used on HR12, HR10, SD170

**REF [151TA1631](#)**

## REDUCTOR HUB



8 x M14 x 1,5 mm

Used on HR21/SP64

**REF [151TA1791](#)**

## DRUM TRANSMISSION



- Total height: 78 mm
- Biggest diameter: 174 mm

Used on HR21

**REF [151TA1643](#)**



## IGNITION SWITCHES



- Number of positions: 2
- Built-in diameter: 21 mm
- Key number: 455

Used on 120H(TM34H), 120T, 170/TM50, 120(TM34), HR12, HR10, SD170, 170

**REF 151TA1752** – Without key  
**REF 163TA8493** – Key



- Number of positions: 3
- Built-in diameter: 22 mm
- Key number: 455

Used on HR28 4X4, HR15/17, HR28/SP85 4X4

**REF 161TA8447** – Without key  
**REF 163TA8493** – Key



- Number of positions: 3
- Built-in diameter: 22 mm
- Key number: 455

Used on 120H(TM34H), 170/TM50, 120(TM34), HR12, SD170, 170

**REF 151TA1753** – Without key  
**REF 163TA8493** – Key



- Number of positions: 3
- Built-in diameter: 22 mm
- Key number: 455

Used on 170/TM50, HR10/HR12, SD170/SD50, HR12, 120H(TM34H), 120M/H/T, 120T

**REF 151TA1751** – Without key  
**REF 163TA8493** – Key



- Number of positions: 3
- Built-in diameter: 22 mm
- Key number: 455

Used on HR21

**REF 161TA8435** – Without key  
**REF 123TA9738** – Key



- Number of connections: 4
- Number of positions: 4
- Built-in diameter: 20 mm
- Key: REF [129TA4197](#)

Used on 210, 120H(TM34H), HR10-DC, 120T, 170/TM50, 120(TM34), HR12, HR10, HR21, SD170, 210SD, 170

**REF 151TA1899**

## KEYS FOR IGNITIONS/DOOR LOCKS



- Key number: 455
- Number of supplied keys: 1

Used on 120T, 170/TM50, 120(TM34), HR12, HR10, SD170, 170

**REF 129TA4163**



Number of supplied keys: 2

Used on HR10, SD170, 170

**REF 129TA4197**



## ROTARY SWITCHES



- Number of positions: 3
- Built-in diameter: 22 mm

Used on 210, 120H(TM34H), 120T, 170/TM50, 120(TM34), HR12, HR10, HR21, 210SD, 170

**REF [151TA1917](#)**



- Number of positions: 3
- Built-in diameter: 22 mm

Used on 170/TM50, HR10/HR12, SD170/SD50, HR12, 120H (TM34H)

**REF [151TA1834](#)**



- Number of positions: 2
- Built-in diameter: 22,5 mm

Used on HR10/12, 120, 170, 210

**REF [161TA8438](#)**



- Number of positions: 2
- Built-in diameter: 21,7 mm

Used on 210, 120T, 170/TM50, 120(TM34)

**REF [146TA8399](#)**

## MUSHROOMHEAD PUSH BUTTON



- Built-in diameter: 22 mm
- Diameter knob: 40 mm

Used on HR21, 210SD

**REF [151TA1916](#)**

## EMERGENCY STOP SWITCH HIGH CAPACITY



- Maximum contact voltage: 96 V
- Current: 250 A
- Magnetic blowouts: no
- Dust cover: no

Used on HR15/17, SD170/SD50, HR12, 120(TM34)-120M/H/T(TM34M/H/T), 170/TM50

**REF [151TA1769](#)**

## MICROSWITCHES



- Type of connections: cable
- Number of NO contacts: 1
- Number of NC contacts: 1
- Number of connection holes: 2
- Current: 1,5 A

Used on 210, 120H(TM34H), 120T, 120(TM34), HR12, HR10, HR21, SD170, 210SD, 170

**REF [151TA1807](#)**



- Type of connections: cable
- Number of NO contacts: 1
- Number of NC contacts: 1
- Number of connection holes: 2
- Current: 3 A

Used on 210, 120H(TM34H), 120T, HR10, SD170, 210SD, 170

**REF [151TA1912](#)**



## LIMIT SWITCHES



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 10 A

Used on 210, HR12, HR10, HR21, SD170, 210SD, 170

**REF [146TA8401](#)**



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 6 A

Used on 170/TM50, 210SD, 210,

**REF [146TA8394](#)**



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 3 A

Used on 170/TM50, HR21/SP64, SD170/SD50

**REF [151TA1803](#)**



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 16 A

**REF [165TA1112](#)**

## ROCKER SWITCHES



- Current: 20 A
- Voltage: 12 V
- Number of connections: 3

Used on 210, 170/TM50, 120(TM34), HR12, 210SD

**REF [146TA8395](#)**



- Current: 20 A
- Voltage: 12 V
- Number of connections: 3

Used on HR21, SD170, 170

**REF [151TA1804](#)**

## FOOT SWITCHES



- Number of NC contacts: 2
- Number of NO contacts: 2

Used on 120H(TM34H), HR12, HR10, SD170, 170

**REF [151TA1806](#)**



- Number of NC contacts: 1
- Number of NO contacts: 1

Used on 210, HR21

**REF [151TA1812](#)**



## PUSH BUTTONS



- Diameter: 22 mm
- Length: 27,1 mm
- Button colour: green

Used on 210/TM64, 170/TM50, HR10/HR12, HR21/SP64, 120H(TM34H)

REF [151TA1914](#)



- Diameter: 22 mm
- Built-in length: 44,5 mm
- Button colour: blue

Used on HR10/12, 120T, 120M, 120H, 170

REF [161TA8467](#)

## RUBBER PUSH BUTTON



- Rubber cover
- Inner diameter: 22 mm
- Outer diameter: 30 mm
- Height: 15 mm

Used on 210/TM64, HR10/HR12, HR21/SP64, SD170/SD50, 210SD/SD64, 120H(TM34H), 120T

REF [151TA2292](#)



## SPIRIT LEVEL



- Width: 45 mm
- Length: 60 mm
- Number of holes: 2
- Diameter holes: 4 mm
- Shape: triangle

Used on HR15/17, 210/TM64, 170/TM50, 210/TM64, SD170/SD50, 120H(TM34H), 120T

**REF [151TA1913](#)**

## TILT SENSORS



- Height: 116,8 mm
- Diameter: 96,5 mm
- Switch type: solid state dual-axis level sensor
- Voltage: 7-48 VDC
- Detection: 1-10°

Used on 120H(TM34H), 120T, 170

**REF [151TA1828](#)**



- Height: 116,8 mm
- Diameter: 96,5 mm
- Switch type: solid state dual-axis level sensor
- Voltage: 7-48 VDC
- Detection: 1-10°

Used on TD120T, 210SD

**REF [161TA8424](#)**

## LOAD CELL



- Length: 176 mm
- Width: 126 mm
- Height: 126 mm
- Thread length: 6000 mm

Used on 170, HR10/12, SD170, 120H, 120T

**REF [161TA8418](#)**





## HOUR METER



- Voltage: 100–230 VAC, 48–150 VDC
- Width: 22,20 mm
- Length: 45 mm
- Number of digits: 6

Used on 210/TM64, 170/TM50, HR10/HR12, HR21/SP64, HR12, 120H(TM34H)

**REF [151TA1768](#)**

## BATTERY DISCHARGE INDICATOR



Built-in dimensions:  
48 x 55 mm

Used on 210, HR21, 210SD

**REF [151TA1597](#)**

## GAUGE – FLUID LEVEL



- Length: 165 mm
- Width: 38 mm
- With thermometer

Used on HR15/17N, HR21, HR28, TD120TN, TD120T

**REF [161TA8432](#)**

## DASHBOARD



- Dimensions: 100 x 50 mm
- Multigauge dashboard

Used on HR15N/17N

**REF [165TA4375](#)**



## HYDRAULIC INTEGRATED CIRCUIT WITH CARTRIDGE



- Diameter: 17 mm
- Length: 78 mm

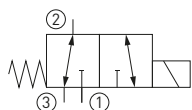
Used on 120H(TM34H), 120T, HR10, SD170, 170

REF [151TA1647](#)

## CARTRIDGE VALVES



- Width across flats: 27 mm
- Total length: 113 mm
- Diameter: 16 mm

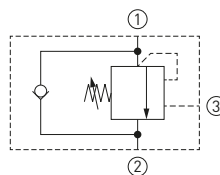


Used on 120H(TM34H), HR10-DC, 120T, 170/TM50, 120(TM34), SD170, 170

REF [151TA1878](#)



- Width across flats: 25 mm
- Total length: 75,5 mm
- Diameter: 17,5 mm

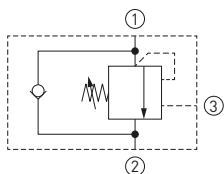


Used on HR21, 210SD

REF [151TA1649](#)



- Width across flats: 25 mm
- Total length: 87,5 mm
- Diameter: 15 mm



Used on 210, 170/TM50, 120(TM34), HR12, HR10, HR21, SD170, 210SD

REF [151TA2301](#)

## PRESSURE VALVES (FLOW)



- Thread: M20 x 1,5 mm
- Length: 89,5 mm

Used on HR15N/17N, HR28 4X4, HR21 4X4, HR15/17, HR28/SP85 4X4

REF [161TA8415](#)



- Thread: M20 x 1,5 mm
- Length: 46,5 mm

Used on 210, HR10, HR21, SD170, 210SD

REF [151TA1855](#)



## ELECTRIC CARTRIDGE



Length: 115 mm

Used on 210, 120H(TM34H), 120T, 170/TM50, 120(TM34), HR12, HR10, HR21, SD170, 210SD, 170

REF [151TA1648](#)

## HAND PUMP



- Length: 105 mm
- Width: 65 mm

Used on 170/TM50, 120(TM34), 170

REF [151TA1683](#)

## HYDRAULIC PUMPS

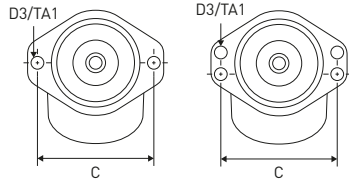
	Total length mm	Neck diameter mm	Direction of rotation	Material of the housing	Used on	REF
	171	82,5	CW	Aluminium	HR15N/17N	<a href="#">151TA1684</a>
	178,5	82,5	CCW	Aluminium	HR21, 210SD	<a href="#">161TA8448</a>
	91,7	12	CCW	Aluminium	HR12, 170/ TM50, 120(TM34), 170	<a href="#">151TA1686</a>
	96		CCW	Aluminium	120H(TM34H), 120T, HR10, SD170, 170	<a href="#">151TA1888</a>
	196	25,4	CW	Aluminium	120H(TM34H), HR12, 170/ TM50, 120(TM34), 170	<a href="#">151TA1687</a>
	214,4	82,5	CW	Aluminium	HR12, HR10, SD170	<a href="#">151TA1688</a>



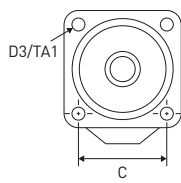
## HYDRAULIC MOTORS

### Type of flange

Type A



Type C

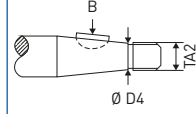


Type S  
Special shape,  
none of the  
previous types

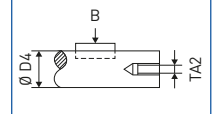
Type Z  
Without flange

### Type of shaft

Type E



Type F



Type S  
Special type

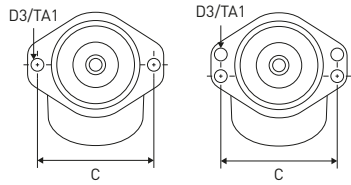
	Thread connections Inch	Type of flange	Type of shaft	Total length mm	Used on	REF
	7/8" UNF x 14 Pi	C	E	259	HR12, HR10-DC	<a href="#">151TA1679</a>
	7/8" UNF x 14 Pi	S	E	259	HR12, HR10-DC	<a href="#">151TA1680</a>
	7/8" UNF x 14 Pi	C	E	301	HR12, HR10-DC	<a href="#">151TA1887</a>
	7/8" UNF x 14 Pi	C	E	301,5	HR12	<a href="#">151TA1681</a>
	1/2" BSP x 14 Pi	A	S	148	HR12, 170/ TM50, 120(TM34), SD170	<a href="#">151TA1770</a>
	3/8" BSP x 19 Pi	Z	F	160	210, 120H(TM34H), 120T	<a href="#">150TA9840</a>



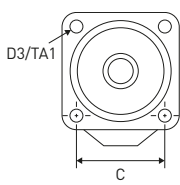
## HYDRAULIC MOTORS

### Type of flange

Type A



Type C

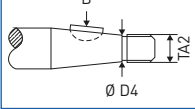


Type S  
Special shape,  
none of the  
previous types

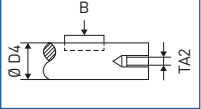
Type Z  
Without flange

### Type of shaft



Type E



Type F



Type S  
Special type

	Thread connections Inch	Type of flange	Type of shaft	Total length mm	Used on	REF
	1/2" BSP x 14 Pi	A	F	204,6	210/TM64	<a href="#">151TA1674</a>
	1/2" BSP x 14 Pi	A	F	191	120H(TM34H)	<a href="#">151TA1645</a>

## HYDRAULIC PUMP GROUPS



- Electric motor: 24 VDC
- Power: 3 kW

REF [151TA1670](#)



- Electric motor: 24 VDC
- Power: 3 kW

Used on HR10/HR12, SD170/SD50, 120T

REF [151TA1671](#)



- Electric motor: 24 VDC
- Power: 3 kW

Used on 120T, HR10, SD170

REF [165TA4376](#)



## HYDRAULIC MOTOR PART



Length: 165 mm

Used on 120H(TM34H), 120T, SD170, 170

REF [151TA1677](#)

## INDICATOR VALVE



Used on HR10/12, HR21, SD170, 210SD

REF [163TA7897](#)

## BREATHER



- Type: thread
- Type of thread: M5 RH
- Maximum diameter: 7 mm
- Width across flats: 7 mm

Used on 210, HR21, 210SD

REF [151TA1846](#)



## HYDRAULIC CYLINDERS



- Tilt cylinder
- Total measured length: 440 mm
- Diameter tube: 60 mm
- Diameter rod: 28 mm

Used on 120T, 170, SD170, HR10/12

**REF [161TA8428](#)**



- Lift cylinder
- Total measured length: 1256 mm
- Diameter tube: 100 mm
- Diameter rod: 60 mm

Used on HR15/17N, HR21, 210, 210SD

**REF [161TA8466](#)**



- Tilt cylinder
- Total measured length: 445 mm
- Diameter tube: 60,2 mm
- Diameter rod: 28 mm

Used on HR12 4x4, HR10/12, 120T

**REF [151TA1573](#)**



- Lift cylinder
- Total measured length: 815 mm
- Diameter tube: 73 mm
- Diameter rod: 40 mm

Used on 120T, 120(TM34), 120H(TM34H)

**REF [151TA1776](#)**



- Lift cylinder
- Total measured length: 875 mm
- Diameter tube: 73,3 mm
- Diameter rod: 40 mm

Used on 120H(TM34H), HR10

**REF [151TA1777](#)**





## HYDRAULIC REPAIR SEAL KITS



Used on 170/TM50, HR10/HR12, SD170/SD50, HR12, 120T

REF [151TA1817](#)



Used on HR10/HR12, 120H(TM34H)

REF [151TA1821](#)

## PART OF VALVE



- Length: 84 mm
- Width: 44 mm
- Height: 28 mm
- Thread: M8 x 1,25 mm

Used on HR12, HR10, SD170

REF [151TA1763](#)



## FUEL PUMP



- Voltage: 12 V
- Total height: 107,5 mm
- Centre distance: 63,5 mm
- Number of holes: 2

Used on HR21

**REF [161TA8429](#)**

## V-BELT



- Type of belt: V-belt
- Belt width: 10 mm
- Belt height: 8 mm
- Outside length: 900 mm

Used on 120T, 120H(TM34H)

**REF [151TA1907](#)**

## OIL DIPSTICK



Length: 93,5 mm

Used on 170/TM50, 120H(TM34H), 120(TM34)-120M/H/T(TM34M/, 120T

**REF [151TA1766](#)**

## MUFFLERS



- Length of muffler: 245 mm
- Diameter body: 90 mm
- Outer diameter smallest tube: 35 mm
- Outer diameter biggest tube: 48 mm

Used on HR21, 210SD

**REF [151TA1847](#)**

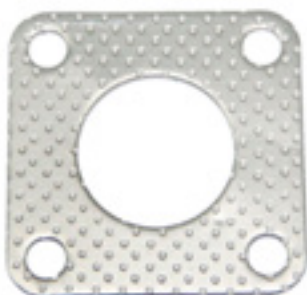


- Length of muffler: 245 mm
- Diameter body: 115 mm
- Outer diameter smallest tube: 34 mm
- Outer diameter biggest tube: 39 mm

Used on 210, SD170

**REF [151TA1848](#)**

## GASKET



- Length: 68 mm
- Diameter hole: 36 mm
- Thickness: 2,2 mm
- Material: metal

Used on 210/TM64, HR21/SP64, SD170/SD50, 210SD/SD64

**REF [151TA1884](#)**



## RADIATOR



- Type: horizontal
- Length: 332 mm
- Width: 70 mm
- Height: 370 mm

Used on HR15/17, 210/TM64, SD170/SD50

REF [164TA1391](#)

## FILLER CAPS



- Height: 48,5 mm
- Outer diameter: 48 mm

Used on 120T, HR10, SD170, 170

REF [151TA1704](#)



- Height: 17 mm
- Outer diameter: 74 mm
- Inner diameter: 45 mm

Used on 210, HR21, 210SD

REF [151TA1897](#)



## ENGINE STOP SOLENOIDS



- Voltage: 12 V
- Type of current: DC
- Function: pull
- Mounting side: both sides
- Length: 134 mm

Used on 120T, 170/TM50, 120(TM34), HR12, HR10, SD170, 170

**REF [135TA2476](#)**



- Voltage: 12 V
- Type of current: DC
- Function: pull
- Mounting side: both sides
- Length: 131,3 mm

Used on 210, SD170

**REF [151TA1764](#)**



- Voltage: 12 V
- Type of current: DC
- Function: push
- Mounting side: both sides
- Length: 146 mm

Used on 210, HR12, HR10, HR21, SD170, 210SD

**REF [151TA1765](#)**



- Voltage: 12 V
- Type of current: DC
- Function: pull
- Mounting side: left side
- Length: 111,5 mm

Used on HR15, HR17, 210, SD170

**REF [151TA1902](#)**



- Voltage: 12 V
- Type of current: DC
- Function: pull
- Mounting side: both sides
- Length: 115 mm

Used on HR10, HR12,120, 120T, 170, SD170

**REF [151TA1903](#)**



- Voltage: 12 V
- Type of current: DC
- Function: push
- Mounting side: both sides
- Length: 81 mm

Used on HR21, 210SD

**REF [161TA8427](#)**



## COUPLING



- Height: 61 mm
- Outer diameter: 216 mm
- Inner diameter: 25 mm

Used on HR21

**REF [151TA1650](#)**

## STARTER ASSY



- Voltage: 12 V
- Power: 1,2 kW
- Number of teeth: 13

Used on HR21

**REF [151TA1919](#)**

## STARTER



- Voltage: 12 V
- Power: 0,7 kW
- Number of teeth: 11

Used on HR10, SD170

**REF [135TA5499](#)**



FILTERS					
	Outer diameter mm	Inner diameter mm	Height mm	Used on	REF
<b>Air filters</b>					
	104	63	256	HR21 4X4, HR21/SP64, 210SD/SD64	<a href="#">127TA1048</a>
	88	48	185	HR15N/17N, HR15/17, 210/TM64, SD170/SD50	<a href="#">127TA1923</a>
	112	53	42	170/TM50, HR10/HR12, HR12, 120(TM34)-120M/H/T(TM34/H/T)	<a href="#">164TA1075</a>
	87	43	178	210/TM64	<a href="#">164TA1070</a>
	101	41,5	167	HR12, HR10/HR12, SD170/SD50, HR12, 120H(TM34H), HR10DC, 120T	<a href="#">164TA1066</a>
	125	60,3	72,5	HR10/HR12, SD170/SD50, HR12	<a href="#">164TA1072</a>
<b>Oil filters</b>					
	50,75	24,5	71,3	HR15/17	<a href="#">151TA1580</a>
	128,8	39,6	176	HR21 4X4	<a href="#">163TA8659</a>



FILTERS					
	Outer diameter mm	Inner diameter mm	Height mm	Used on	REF
	51	24,5	71,5	HR28 4X4, HR15/17	<a href="#">163TA8661</a>
	70	30	130	HR15/17	<a href="#">152TA3202</a>
	128,5	39,6	178	HR15N/17N, HR21 4X4	<a href="#">164TA1074</a>
	128,3	39,6	175	210/TM64, HR21/SP64, 210SD/SD64	<a href="#">161TA8464</a>
	50	15,3	97	170/TM50, HR10/HR12, SD170/SD50, 120T	<a href="#">163TA8667</a>
	96,2	24,6	140	HR12, 170/TM50, SD170/SD50, HR10/HR12	<a href="#">152TA2826</a>
	20	17	127	170/TM50, HR10/HR12, SD170/SD50, 120T	<a href="#">164TA1071</a>
	51	24	202	HR28 4X4, HR28/SP85 4X4	<a href="#">163TA8668</a>



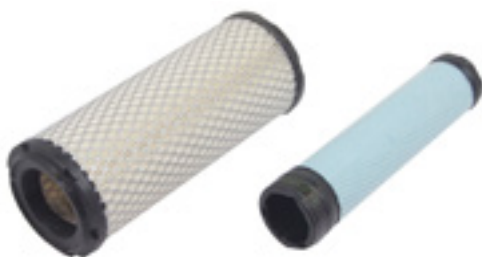


FILTERS					
	Outer diameter mm	Inner diameter mm	Height mm	Used on	REF
	39	13	63	HR12, 120H, 120(TM34H), 120(TM34)-120M/H/T(TM34M/H/T)	<a href="#">164TA1076</a>
	65	32	295	HR28 4X4, HR28/SP85 4X4	<a href="#">163TA8671</a>
	84	18,5	75	HR15N/17N, HR15/17, 210/TM64, SD170/SD50	<a href="#">145TA5962</a>
	68,5	18,5	85	HR28, HR15/17, HR28/SP85 4X4	<a href="#">164TA1069</a>
	31	13,5	32	120T	<a href="#">164TA1068</a>
	85	18,5	78	HR21 4X4, HR21/SP64, 210SD/SD64	<a href="#">139TA5975</a>
	62,6	15,32	16	170/TM50, HR10/HR12, SD170/SD50,0120H(TM34H), 120T	<a href="#">129TA7968</a>
	47,2	16,8	25	120T, 170/TM50	<a href="#">164TA1067</a>



FILTERS					
	Outer diameter mm	Inner diameter mm	Height mm	Used on	REF
<b>Fuel filters</b>					
	32	6	119	170/TM50, HR10/HR12, 120T	<a href="#">164TA1073</a>
	44,2	8	101,5	HR28 4X4, HR15/17, HR28/SP85 4X4	<a href="#">163TA8680</a>
	51	9,5	102	HR15N/17N, HR21 4X4, HR15/17, 210/TM64, HR21/SP64, SD170/SD50, 210SD/SD64	<a href="#">140TA8988</a>
	58	32	144	HR10/HR12, SD170/SD50	<a href="#">163TA8664</a>
	42	38	62	170/TM50, HR10/HR12, SD170/SD50, 120T	<a href="#">163TA8672</a>
	84	18,5	74	HR28 4X4, HR21 4X4, HR15/17, HR21/SP64, 210SD/SD64	<a href="#">152TA2817</a>

## FUEL FILTERS



1

2

- Length filter 1: 270 mm
- Length filter 2: 259 mm

Used on HR28 4X4, HR15/17, HR28/SP85 4X4

REF [163TA8674](#)



WEAR PADS				
	Total length mm	Material	Used on	REF
	87	Plastic	210, HR21, 210SD	<a href="#">151TA1883</a>
	87	Plastic	210, HR10, HR21, 210SD	<a href="#">151TA1656</a>
	120	Plastic	120T, 170/TM50, 120(TM34), 120H(TM34H), HR10, SD170, 170	<a href="#">151TA1655</a>
	160	Plastic	HR15/17N, HR21, HR28, 150T, 210, 210SD	<a href="#">161TA8433</a>
	280	Plastic	170/TM50, SD170, 170	<a href="#">151TA1882</a>
	281	Plastic	210/TM64	<a href="#">151TA1578</a>



## BASKETS



- Height: 1160 mm
- Width: 1110 mm

Used on 120T, 120(TM34), 120H(TM34H)

**REF [151TA1614](#)**



- Length: 1150 mm
- Width: 960 mm
- Height: 660 mm

Used on HR10, SD170, 170

**REF [151TA1617](#)**



- Length: 1730 mm
- Width: 900 mm
- Height: 1250 mm

Used on 210, HR21, 210SD

**REF [151TA1837](#)**



- Length: 1400 mm
- Width: 820 mm
- Height: 1280 mm

Used on HR21, SD170, 210SD, 170

**REF [151TA1840](#)**

## BASKET PARTS



- Length: 1800 mm
- Width: 860 mm
- Height: 1170 mm

Used on HR21 4x4, HR15/17

**REF [164TA1395](#)**



- Length: 1495 mm
- Width: 830 mm
- Height: 1160 mm

Used on HR15/17

**REF [164TA1393](#)**



- Length: 665 mm
- Height: 550 mm

Used on 170, SD170, HR10

**REF [151TA1616](#)**



## FLOOR PLATES



- Length: 1470 mm
- Width: 830 mm

Used on HR15/17

**REF [164TA1392](#)**



- Length: 1760 mm
- Width: 840 mm

Used on HR15/17, HR21 4X4

**REF [164TA1394](#)**

## SUPPORTS



- Number of holes: 16
- Material: metal

Used on 120T, 170/TM50, 120(TM34), 120H(TM34H)

**REF [151TA1841](#)**



1

### Figure 1:

- Length: 90 mm
- Height: 100 mm
- Holes: 5 x M8 x 1,25 mm



2

### Figure 2:

- Length: 90 mm
- Holes: 3 x Ø 9 mm

**REF [151TA1570](#)**

## LEVERS



- Total length: 205 mm
- Axle diameter: 17 mm

Used on 210, 120H(TM34H), 120T, 170/TM50, 120(TM34), HR12, HR10, HR21, SD170, 210SD, 170

**REF [151TA1900](#)**



- Total length: 155 mm
- Axle diameter: 19 mm

Used on 210/TM64, 170/TM50, HR10/HR12, SD170/SD50, 120T

**REF [161TA8463](#)**



- Total length: 450 mm
- Axle diameter: 10 mm

Used on HR10/HR12, SD170/SD50

**REF [151TA1760](#)**



- Total length: 380 mm
- Axle diameter: 25 mm

Used on HR12, HR10, SD170

**REF [151TA1761](#)**



## CABLE GUIDE PARTS



- Length: 77 mm
- Width: 48 mm

Used on HR10/HR12

**REF [151TA1836](#)**



- Length: 77 mm
- Width: 48 mm

Used on HR10-DC, 120T, 120(TM34), 120H(TM34H), 170

**REF [151TA1892](#)**



- Length: 77 mm
- Width: 48 mm

Used on 210, HR21, 210SD

**REF [151TA1895](#)**



- Length: 157 mm
- Width: 80 mm

Used on 120T, SD170, 170

**REF [151TA1700](#)**



- Length: 166 mm
- Width: 80 mm

Used on 120T

**REF [151TA1894](#)**



- Length: 101 mm
- Width: 46 mm

Used on HR10

**REF [151TA1896](#)**



- Width outside/inside: 166/150 mm
- Height outside/inside: 50/35 mm
- Quantity of links: 1
- Connection elements: no

Used on SD170, 170

**REF [151TA1702](#)**



## CABLE GUIDES



- Width outside/inside: 166/150 mm
- Height outside/inside: 50/35 mm
- Quantity of links: 27
- Connection elements: no

Used on HR10

**REF [151TA1893](#)**



- Width outside/inside: 166/150 mm
- Height outside/inside: 50/35 mm
- Quantity of links: 28
- Connection elements: no

Used on HR10, HR12, 120T

**REF [151TA1699](#)**



- Width outside/inside: 166/150 mm
- Height outside/inside: 50/35 mm
- Quantity of links: 39
- Connection elements: no

Used on 120T, SD170, 170

**REF [151TA1701](#)**

## HUB WHEEL



- Total height: 50 mm
- Number of holes: 5

Used on HR12, HR10-DC

**REF [151TA1665](#)**

## DRIVE AXLE



Length: 690 mm

Used on 120T

**REF [161TA8420](#)**

## STEERING AXLE PARTS



**1**



**2**

Used on HR10/12

1. **REF [151TA1667](#)** – Hub assembly LH
2. **REF [161TA8426](#)** – Hub assembly RH





## CHASSIS ACCESSORIES



Axle assy RH

Used on 120T

**REF [161TA8419](#)**



Axle assy LH

Used on 120T

**REF [161TA8420](#)**



Used on 120, 120T, 120H, 170

**REF [161TA8422](#)**



- Diameter: 200 x 55 x 34 mm
- Height: 37 mm

Used on 120H, 120T, TD120TN

**REF [151TA1618](#)**



- Length: 455 mm
- Width: 65 mm

Used on HR15N/17N, HR15/17, HR10/HR12

**REF [164TA1396](#)**

## BALL JOINT



- Type rod end: inner thread
- Length: 27 mm
- Thread: M5/M6
- RH/LH thread: RH

Used on HR21

**REF [150TA9836](#)**

## MANIPULATOR KIT



Used on 210, 120T, 120H(TM34H), HR10, SD170, 170

**REF [151TA1762](#)**



## BALL JOINT ROD END



- Outer diameter: 16 mm
- Inner diameter: 5 mm
- Height: 25 mm

Used on HR21, 210

REF [151TA1797](#)

## ROD END WITHOUT SPHERICAL BEARING



- Diameter: 28 mm
- Width: 20,3 mm
- Thread: M20
- Imperial pitch: 1,5 Pi
- RH/LH: RH

Used on HR12, HR10, SD170

REF [151TA1911](#)

## STABILISERS



- Length: 650 mm
- Single wheel

Used on 120T, 120H(TM34H), 170

REF [151TA1862](#)



- Length: 720 mm
- Double wheel

Used on 170/TM50, 120H(TM34H), 120T

REF [151TA1857](#)



- Length: 550 mm
- Single wheel

Used on 210, 120H(TM34H), 120T, 170/TM50, 120(TM34), HR12, HR10, SD170, 170

REF [151TA1613](#)

## SUPPORT STEERING WHEEL



- Length: 487 mm
- Width: 193 mm
- Biggest diameter: 48 mm
- Diameter of the hole: 20,2 mm

Used on 210, HR21, 210SD

REF [151TA1593](#)



## BALL SCREW



Total length: 315 mm

Used on 170/TM50, SD170/SD50, HR12, 120H(TM34H), HR10DC

**REF [151TA1861](#)**

## PARKING BRAKE LEVERS



Length: 550 mm

Used on 210, HR21, 210SD

**REF [150TA9841](#)**



Length: 515 mm

Used on 120, 170

**REF [151TA1572](#)**

## BELLOWS



- Biggest length of the top: 62 mm
- Biggest inner diameter bottom: 55 mm
- Total height: 125 mm

Used on 210, 120T, 120H(TM34H), 170

**REF [151TA1798](#)**



- Biggest inner diameter top: 9 mm
- Biggest inner diameter bottom: 21 mm
- Total height: 30 mm

Used on 210, 120T, SD170, 170

**REF [151TA1800](#)**

## STEEL CABLE



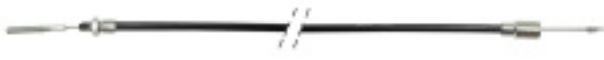
- Total length: 1070 mm
- Diameter: 3 mm

Used on 210, 120H(TM34H), HR10-DC, 120T, 170/TM50, HR12, HR10, HR21, SD170, 210SD, 170

**REF [151TA1696](#)**



## CONTROL CABLES



- Total length: 1460 mm
- Diameter cable: 3,5 mm
- Length sleeve: 1285 mm

Used on HR12

**REF [151TA1697](#)**



- Total length: 1465 mm
- Diameter cable: 3,5 mm
- Length sleeve: 1280 mm

Used on HR12

**REF [151TA1698](#)**



- Total length: 3260 mm
- Diameter cable: 3,5 mm
- Length sleeve: 3075 mm

Used on HR12

**REF [161TA8460](#)**

## BRAKE SHOES KITS



Used on HR21, 210SD

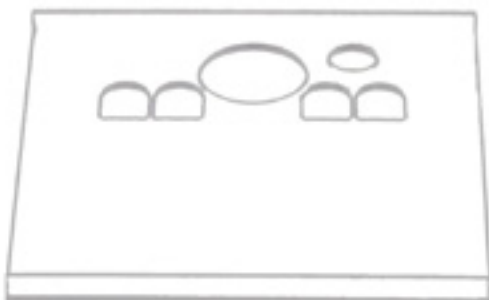
**REF [151TA1748](#)**



Used on 120T, 120H(TM34H)

**REF [151TA1749](#)**

## WINDOW PANEL PLEXIGLASS



- Length: 91,8 mm
- Width: 87,6 mm

Used on HR28

**REF [163TA7898](#)**



## RUBBER MOUNTS



- Hexagon or polygon shape pad and 2 x outer
- Length: 22,5 mm
- Thread: M8 x 1,25 mm
- Overall length: 65 mm

Used on HR10, HR21, SD170, 210SD

**REF [151TA1829](#)**



- Inner diameter: 16 mm
- Overall length: 171 mm

Used on 210, HR12, HR10, HR21, SD170, 210SD

**REF [151TA1830](#)**



- Diameter: 31 mm
- Length: 95 mm
- Thread: M12
- Overall length: 171 mm

**REF [161TA8454](#)**



- Rectangular or square pad with 2 holes
- Diameter: 8 mm
- Length: 44,4 mm
- Overall length: 125 mm

Used on 120T, 170/TM50, 120(TM34), 120H(TM34H), 170

**REF [151TA1799](#)**



- Length: 200 mm
- Width: 150 mm
- Height: 14 mm
- Diameter hole: 52 mm

**REF [161TA8455](#)**

## ROLLER



- Diameter roller: 51,2 mm
- Width roller: 100 mm
- Diameter shaft: 19 mm
- Without a bushing

Used on 210, 170

**REF [151TA1795](#)**



## DOOR HANDLES



Diameter: 61 mm

Used on 210, HR21, SD170, 210SD

**REF [151TA1891](#)**



Used on HR21, 210SD

**REF [151TA1692](#)**



- Length: 98 mm
- Width: 24/47 mm

Used on 210/TM64, HR21/SP64, SD170/SD50, 210SD/SD64

**REF [151TA1693](#)**



- Length: 93 mm
- Width: 34 mm

Used on HR12, SD170

**REF [151TA1890](#)**



Length: 272 mm

Used on 210, 120H(TM34H), 120T, 170/TM50, 120(TM34), HR12, HR10, HR21, SD170, 210SD, 170

**REF [151TA1694](#)**



- Length: 245 mm
- Width: 25 mm
- Diameter holes: 6/6,7 mm

Used on 120T, 170/TM50, 120(TM34), 120H(TM34H), 170

**REF [151TA1695](#)**

## GAS SPRING



- Type: push
- Centre distance: 505 mm

Used on 120H(TM34H), 120M/H/T(TM)

**REF [151TA1661](#)**

## PROTECTIVE COVER



**REF [164TA1390](#)**



## COVER



- Length: 470 mm
- Width: 270 mm
- Height: 95 mm

Used on HR10/HR12

**REF [151TA1626](#)**

## MUD GUARD



- Length: 695 mm
- Width: 170 mm

Used on 120T, 120H, 140

**REF [151TA1832](#)**

## HOOD ENGINE



Length: 662 m

Used on HR12/12NDE

**REF [151TA1629](#)**





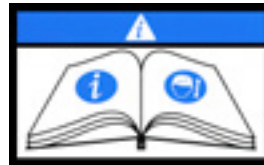
## DECALS



- Length: 84 mm
- Height: 84 mm

Used on 210, 120H(TM34H), 120T, 170

**REF [151TA1707](#)**



- Length: 103 mm
- Height: 62 mm

Used on 210/TM64, 170/TM50, HR10/HR12, HR21/SP64, HR15/HR17, SD170/SD50, NIFTY 90, 120T(TM34T), 120(TM34), 120H(TM34H), 120T

**REF [151TA1710](#)**



- Length: 32,8 mm
- Height: 22 mm

Used on 210, 120T(TM34T), 120H(TM34H), 170/TM50, 120T, 120(TM34), HR10, HR21, SD170, 90, 170, HR15

**REF [151TA1712](#)**



- Length: 251 mm
- Height: 292 mm

Used on 120T(TM34T), 120H(TM34H), 120(TM34), 170

**REF [151TA1718](#)**



- Length: 95 mm
- Height: 50,5 mm

Used on HR10, HR21, HR15

**REF [151TA1719](#)**



- Length: 51 mm
- Height: 47 mm

Used on 210

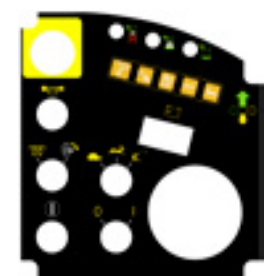
**REF [151TA1725](#)**



- Length: 45 mm
- Height: 45 mm

Used on HR21, HR15

**REF [151TA1738](#)**



- Length: 244 mm
- Height: 269 mm

Used on HR21 4X4

**REF [151TA1721](#)**



- Length: 233 mm
- Height: 103 mm

Used on 120T(TM34T), 120H(TM34H), 170/TM50, 120T, 120(TM34), SD170, 170

**REF [151TA1709](#)**



- Length: 231 mm
- Height: 112 mm

Used on 210, 120T(TM34T), 120H(TM34H), 170/TM50, 120T, 120(TM34), HR10, HR21, SD170, 90, 170, HR15

**REF [139TA2929](#)**



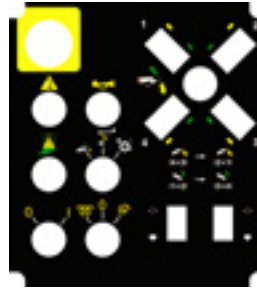
## DECALS



- Length: 600 mm
- Height: 200 mm

Used on 120T(TM34T), 120H(TM34H), 120(TM34), HR21, 90, 170, 210

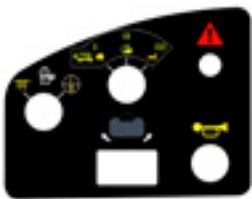
**REF [151TA1727](#)**



- Length: 240 mm
- Height: 265 mm

Used on 210/TM64

**REF [151TA1743](#)**



- Length: 162 mm
- Height: 124 mm

Used on HR15/17, HR15/17N

**REF [161TA8437](#)**



- Length: 230 mm
- Height: 20 mm

Used on HR10

**REF [161TA8440](#)**



- Length: 304 mm
- Height: 58 mm

Used on 120T, 120T(TM34T), 170/TM50, HR10(SP26), HR10(TM26), HR10, SD170, 170

**REF [151TA1713](#)**



- Length: 175 mm
- Height: 46 mm

Used on 210, 120T(TM34T), 120H(TM34H), 170/TM50, 120T, 120(TM34), HR10, HR21, SD170, 90, 170, HR15

**REF [151TA1720](#)**



- Length: 208 mm
- Height: 43,5 mm

Used on 210, 120T(TM34T), 120H(TM34H), 170/TM50, 120T, 120(TM34), HR10, HR21, SD170, 170, HR15

**REF [123TA4896](#)**



- Length: 252 mm
- Height: 57 mm

Used on 120T(TM34T), 120H(TM34H), 120(TM34), 170

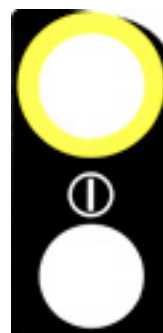
**REF [151TA1724](#)**



- Length: 293 mm
- Height: 30 mm

Used on HR15N/17N, HR28/SP85 4X4

**REF [161TA8445](#)**



- Length: 46 mm
- Height: 95 mm

Used on HR15N/17N, HR28/SP85 4X4

**REF [161TA8446](#)**



## DECALS



- Length: 75 mm
- Height: 55 mm

Used on SD170

REF [151TA1711](#)



- Length: 82 mm
- Height: 82 mm

Used on 120T(TM34T), 120(TM34), HR10, SD170, 90, 170, 210

REF [151TA1729](#)



- Length: 137 mm
- Height: 33,5 mm

Used on 120T(TM34T), 120H(TM34H), 170/TM50, 120T, 120(TM34), 170

REF [151TA1734](#)



- Length: 137 mm
- Height: 35 mm

Used on 120T(TM34T), 120H(TM34H), 120(TM34), SD170, 170, 210

REF [151TA1735](#)



- Length: 158 mm
- Height: 35 mm

Used on 210, HR15, 120T(TM34T), 120H(TM34H), 120(TM34), HR10, HR21, SD170, 90, 170

REF [151TA1736](#)



- Length: 168 mm
- Height: 128 mm

Used on 210/TM64, 170/TM50, HR10/HR12, HR21/SP64, HR15/HR17, SD170/SD50, 120T(TM34T), 120H(TM34H), 120T

REF [151TA1745](#)



- Length: 215 mm
- Height: 335 mm

Used on HR15/17, HR28 4X4

REF [151TA2274](#)



- Length: 485 mm
- Height: 125 mm

Used on HR21, HR15

REF [151TA1714](#)



- Length: 489 mm
- Height: 124 mm

Used on 210, 120T(TM34T), 120H(TM34H), 170/TM50, 120T, 120(TM34), HR10, HR21, SD170, 90, 170, HR15

REF [151TA1716](#)



## SOLID TYRE KIT



Used on HR10

REF [151TA1858](#)

On request

## PNEUMATIC TYRE KITS



Used on 120T

REF [161TA8425](#)

On request



Used on 120H(TM34H), 120T, HR12, HR10, SD170, 170

REF [151TA1598](#)

On request

## ANTI-PUNCTURE TYRES



Used on 120T, 120H(TM34H), 170

REF [151TA1599](#)

On request



Used on HR10

REF [151TA1600](#)

On request



## WHEEL BOLTS



- Neck diameter: 14,2 mm
- Length: 40 mm
- Type of thread: 1/2" UNF
- Imperial pitch: 20 Pi
- RH/LH: RH

**REF [151TA1859](#)**



- Neck diameter: 14,5 mm
- Length: 50 mm
- Type of thread: M14
- Metric pitch: 1,5 mm
- RH/LH: RH

Used on 120T, 120H(TM34H)

**REF [151TA1860](#)**



- Length: 44,4 mm
- Type of thread: M14
- Metric pitch: 1,5 mm
- RH/LH: RH

**REF [151TA2303](#)**

## WHEEL NUTS



- Type: cone head
- Thread: 1/2" UNF
- RH/LH: RH
- Pitch: 20 Pi
- Wrench opening: 3/4"

**REF [151TA2329](#)**



- Type: cone head
- Thread: 5/8" UNF
- RH/LH: RH
- Pitch: 18 Pi
- Wrench opening: 15/16"

**REF [161TA8450](#)**



- Type: cone head
- Thread: 1 1/8" UNF
- RH/LH: RH
- Pitch: 18 Pi
- Wrench opening: 1 5/8"

**REF [161TA8462](#)**



## HUB CAPS



- Outer diameter: 55,2 mm
- Diameter passing: 50,5 mm

Used on HR10/HR12,  
120H(TM34H), 120T

**REF [161TA8461](#)**



- Outer diameter: 78 mm
- Diameter passing: 73,8 mm

Used on HR21

**REF [151TA1886](#)**



PINS			
	Diameter mm	Total length mm	REF
	8	160	<a href="#">151TA1586</a>
	18	114	<a href="#">151TA1594</a>
	18,5	40	<a href="#">151TA1589</a>
	25	202	<a href="#">151TA1588</a>
	25	166	<a href="#">151TA1590</a>
	30	176	<a href="#">151TA1596</a>
	30	140	<a href="#">151TA1592</a>
	40	367	<a href="#">151TA1585</a>





## SPECIAL BOLTS



Dimensions: M6 x 1 mm  
Used on HR10/12, SD170

**REF [163TA7899](#)**



Dimensions: M8 x 1,25 mm  
Used on 210, HR21, 210SD

**REF [151TA1663](#)**



Dimensions: M10 x 1,5 mm

**REF [151TA1901](#)**

## RETURN SPRINGS



- Length: 48 mm
- Diameter: 16 mm
- Thread diameter: 2 mm

Used on HR10, HR21, SD170, 210SD

**REF [151TA1850](#)**



- Length: 186,5 mm
- Diameter: 26,8 mm
- Thread diameter: 4 mm

Used on 120H(TM34H), 170

**REF [151TA1851](#)**

## PRESSURE SPRING



- Length: 106,5 mm
- Diameter: 24 mm

Used on HR12

**REF [151TA1852](#)**

## SPECIAL SCREW



- Diameter: M24 x 3 mm
- Length between the head and end: 70 mm

Used on HR15/17N, HR21, 170, 210, 210SD

**REF [151TA1863](#)**



NOTES

A series of horizontal dotted lines for taking notes.



USED ON  
**SKYJACK**



## ELECTRONIC JOYSTICKS



Dual-axis  
Used on SJB46TK, SJ66TK  
**REF [151TA2089](#)**



Single-axis  
Used on SJ8831/41E,  
6826/6832E, 6826/6832E SJIII  
SERIES  
**REF [151TA2100](#)**



Single-axis  
Used on SJ9241/9250RT, 9250,  
SJ9250, SJ9241/50, SJ8831/41,  
6826/6832RT  
**REF [145TA3088](#)**



Dual-axis  
Used on SJ46/51AJ, SJ63AJ,  
SJ82/86T, SJ61/66T, SJ40/45T  
**REF [151TA2091](#)**



Single-axis  
Used on SJ6832RTE,  
SJIII3215/3219, SJ12/16  
**REF [164TA1349](#)**



Single-axis  
Used on 6826/6832,  
SJ6826/6832, SJ3215/3219,  
3220/3226M, SJ3220/4632,  
3220/6832, COMPACT  
3215/3219 SJIII  
**REF [145TA2851](#)**



Single-axis  
Used on SJKB33N, SJKB33/40  
**REF [151TA2096](#)**



Single-axis  
Used on SJM SERIES, SJII SERIES, SJ9250, SJ8831/41,  
7027SJ 600 SERIE  
**REF [164TA9968](#)**



## ELECTRONIC JOYSTICKS



Dual-axis, ball handle  
Used on SJB46TK, SJ66TK  
**REF [151TA2092](#)**



Dual-axis, ball handle  
Used on SJB46TK, SJ66TK  
**REF [151TA2108](#)**



Dual-axis  
Used on SJB46TK, SJ66TK  
**REF [151TA2107](#)**





## CONTROL BOXES



Number of pins: 16  
 Used on SJ6826/6832,  
 SJ3215/3219, 3220/3226,  
 SJIII3215/3219, SJ3220/4632,  
 SJIII3220/26-4620/26

**REF [165TA4377](#)**



Used on COMPACT 3215/3219  
 SJIII, 3215/6832 SJIII SERIES,  
 3215/3226 SJIII SERIES,  
 3015/3215 SJIII SERIES

**REF [151TA2094](#)**



Used on COMPACT  
 3215/3219 SJIII, SJM SERIES,  
 3215/3226 SJIII SERIES,  
 3015/3219 SJIII SERIES

**REF [164TA1353](#)**



Used on SJII SERIES, 3220/6832,  
 3220/3226, 3220/4632,  
 3215/6832 SJIII SERIES

**REF [151TA2104](#)**



Used on 6826/6832RT,  
 SJ6826/6832RT, 6826/6832

**REF [151TA2099](#)**



Used on 3220/4632,  
 3220/3226M, 3215/6832 SJIII  
 SERIES

**REF [151TA2105](#)**



Used on SJ6826/6832,  
 SJ3220/4632, SJ3215/3219,  
 3220/3226, SJIII3215/3219,  
 SJ3220/4632,  
 SJIII3220/26-4620/26

**REF [151TA2102](#)**



Used on 9250, SJ8831/41,  
 883(F)/8841(F) SJ800,  
 7127/8850, SJ9250, 7127/7135,  
 7127/9250 SJ600-800-1000

**REF [164TA1295](#)**

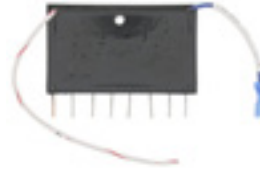


## PRINTED CIRCUIT BOARDS



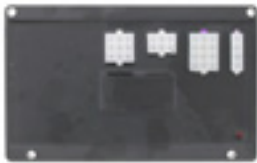
Lower warning system  
Used on 6826/6832E, 3220/6832,  
3220/3226M, COMPACT  
3215/3219 SJIII

**REF [151TA2237](#)**



Potted diode pack  
Used on 6826/6832, 3220/6832,  
3220/3226, 3220/3226M,  
SJ3220/4632, SJIII3220/4632,  
SJIII3220/26-4620/26

**REF [151TA2236](#)**



Control - overload sensing  
Used on SJ9241/9250RT,  
SJ8831/8841RT, SJ9250RT,  
SJ9241/50RT, SJ8841RT,  
SJ8831/41

**REF [151TA2242](#)**

**Although these electronic cards may resemble the one fitted on your mobile elevating work platform there can be a big difference. Therefore we always ask you to supply us with part number or full vehicle details before ordering a similar unit.**

**This is just a small selection of our electronic boards. For all other types, please feel free to call us!**





## BACK-UP ALARMS/BUZZERS



- Voltage: 6–28 V
- Volume: 80 dB
- Dimensions: 43,5 x Ø 43 mm
- Built-in diameter: 28 mm

**REF [151TA1976](#)**



- Voltage: 6–16 V
- Volume: 105 dB
- Dimensions: 38,4 x Ø 50,3 mm

Used on SJ46/51AJ, SJ63AJ, SJ82/86T, SJ63AJ, S61/66T, SJ46/51AJ

**REF [151TA1978](#)**



- Voltage: 9–28 V
- Volume: 118 dB
- Dimensions: 43 x Ø 52,4 mm

Used on SJ9241/9250RT, SJ9250RT, SJ9241/50RT, SJ8841RT, SJ8831/41RT, 6826/6832RT

**REF [151TA1977](#)**

## HORNS



- Volume: 105–118 dB
- Voltage: 24 V
- Type of mounting: straight bracket
- Diameter: 76 mm

Used on SJ8831/41E, SJ6826/6832, SJ3220/4632, SJIII3220/4632, SJ3215/3219

**REF [164TA1329](#)**

**E-approved**



- Volume: 110 dB
- Voltage: 24 V
- Type of mounting: L-bracket
- Diameter: 124 mm

Used on SJM SERIES, SJII SERIES, SJ8831/41E, 3220/6832, COMPACT 3015/3219 SJIII, SJKB33N

**REF [151TA2192](#)**



- Volume: 110 dB
- Voltage: 12 V
- Type of mounting: SB-LB
- Diameter: 108 mm

Used on SJ40/45T, 9250, SJ9250, 6826/6832RT, SJ8831/41, 7027 SJ600 SERIE, 7027/7135 SJ600 SERIE

**REF [151TA2191](#)**

**E-approved**



## CONTACTORS



- Voltage: 24 V
- Current: 20 A
- Magnetic blows out: yes
- Dust cover: open version

Used on SJKB33N, SJKB33/40

**REF [151TA1986](#)**



- Voltage: 24 V
- Current: 200 A
- Magnetic blows out: no
- Dust cover: closed version

Used on SJM SERIES, SJII SERIES, 6826/6832, 3220/6832, 3220/3226, 3220/4632, 3220/3226M

**REF [151TA1990](#)**



- Voltage: 12 V
- Current: 200 A
- Magnetic blows out: no
- Dust cover: closed version

Used on SJ9241/9250RT, SJ8831/8841RT, SJ250RT, 9250, SJ9250, SJ9241/50RT, SJ8841RT, SJ8831/41RT

**REF [151TA1988](#)**

## DASHBOARD WARNING LIGHTS



- Length: 29,5 mm
- Built-in diameter: 17 mm
- Outer diameter: 29,4 mm
- Lens colour: red

Used on 9250, SJ9250, SJ8831/41E, SJ8831/41, 6826/6832, 7027 SJ600 SERIE, 7027/7135 SJ600 SERIE

**REF [151TA1994](#)**



- Length: 34,5 mm
- Outer diameter: 15,8 mm
- Lens colour: yellow

Used on SJ9241/9250RT, SJ8831/8841RT, SJ63AJ, SJ61/66T, SJ46/51AJ, 9250, SJ9250RT

**REF [151TA1992](#)**

## FUSES



- Type of fuse: with push button
- Voltage: 50 VDC/250 VAC
- Current: 15 A

Used on SJM SERIES, SJII SERIES, 3220/4620/4626/6826/6832, SJ9241/9250RT

**REF [164TA1149](#)**



- Type of fuse: with push button
- Voltage: 50 VDC/250 VAC
- Current: 10 A

Used on SJKB33N, SJKB33/40

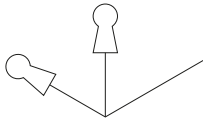
**REF [122TA7782](#)**



## IGNITION SWITCHES



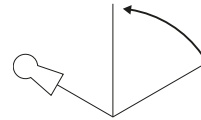
- Number of connections: 3
- Number of positions: 3
- Built-in diameter: 26 mm
- Total length: 59 mm



**REF [128TA5582](#)**



- Number of connections: 6
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 62 mm



Used on SJ6826/6832RT,  
SJ6832RTE, 6826/6832

**REF [151TA2201](#)**

## OPERATING HEADS



- Built-in diameter: 22 mm
- Key number: 455
- Material: metal

Used on SJM SERIES,  
SJII SERIES, 9250, SJ9250,  
SJ8831/41, 6826/6832, 7027  
SJ600 SERIE, 7127/7135

**REF [151TA2204](#)** – Without key  
**REF [163TA8493](#)** – With key



- Built-in diameter: 22 mm
- Key number: 455
- Material: metal

Used on 9250, SJ9250,  
SJ8831/41, 7027 SJ600 SERIE

**REF [151TA2202](#)** – Without key  
**REF [163TA8493](#)** – With key



- Built-in diameter: 22 mm
- Key number: 455
- Material: metal

Used on SJ8831/41E,  
6826/6832E, 3220/6832,  
3220/3226M, COMPACT  
3215/3219 SJIII

**REF [151TA2203](#)** – Without key  
**REF [163TA8493](#)** – With key



- Built-in diameter: 22 mm
- Key number: 455
- Material: plastic

Used on SJ9241/50RT,  
SJ8831/41RT, SJ7127/7135,  
SJ3220/4632, SJ12, SJ12/16

**REF [151TA2206](#)** – Without key  
**REF [163TA8493](#)** – With key



- Built-in diameter: 20 mm
- Material: plastic

Used on SJ9241/9250RT,  
SJ9250RT, SJ8841RT,  
SJ8831/41E, SJ8831/41,  
SJ6826/6832,  
SJ7127/35-8243/8850

**REF [151TA2205](#)**



## KEY FOR IGNITION/DOOR LOCK



- Key number: 455
- Number of supplied keys: 1

Used on SJ9250, SJ8831/41, 3220/3226, 3220/6832, SJM SERIES, SJII SERIES

**REF [129TA4162](#)**

## ENCODER



- Diameter shaft: 4,8 mm
- Housing diameter: 30 mm
- Number of pins: 2

Used on SJ8831/41E, 6826/6832E, SJKB33/40, 6826/6832E SJIII SERIES

**REF [138TA8436](#)**

## PULL SWITCH



- Number of connections: 3
- Type of connection: screw
- Total length: 82 mm
- Functions: universal

Used on 9250, SJ91250, SJ8831/41, 7027 SJ600 SERIE, 7127/7135 7027/7135 SJ 600 SERIE, 8831(F)/8841(F) SJ800

**REF [146TA9928](#)**



RELAYS					
	Voltage V	Type of voltage	Current A	Used on	REF
<b>General purpose and power relay</b>					
	12	DC	10	SJ9241/9250RT, SJ8831/8841RT, SJ9250RT, SJ9250	<a href="#">124TA8981</a>
	12	DC	10	SJ9241/9250RT, SJ9241/50, SJ8831/8841RT, SJ9250RT, SJ9250	<a href="#">124TA8982</a>
	230	AC	10	3220/6832, COMPACT3015/3219SJ, 3220/6832SJIII SERIES, SJIII3220/6832	<a href="#">125TA3366</a>
	24	DC	3	SJLB12	<a href="#">165TA4378</a>
<b>Mini relay</b>					
	24	DC	15/20	SJM SERIES, SJII SERIES, SJ8831E/41E, 6826/6832, 6826E/6832E	<a href="#">151TA2246</a>
	12	DC	40/30	SJ9241/9250RT, SJ8831RT/SJ8441RT, SJ9250RT, 9250	<a href="#">111TA4969</a>
	12	DC	70	SJ46AJ/SJ51AJ, SJ63AJ, SJ40Y/SJ45T,	<a href="#">164TA1321</a>
<b>Cylindrical shaped</b>					
	24		20	SJ9241/9250RT, SJ8831RT/SJ8441RT, 9250, SJ9250	<a href="#">144TA5227</a>



## RELAYS BASE



- Voltage: 300 V
- Type of voltage: AC
- Current: 10 A

Used on SJ9241/9250RT, SJ8831/8841RT, 9250, SJ8841RT, SJ8831/41RT

REF [151TA2247](#)



- Voltage: 300 V
- Type of voltage: AC
- Current: 15 A

Used on SJ9241/9250RT, SJ8831/8841RT, SJ9250RT, SJ9250, SH9241/50RT

REF [124TA8968](#)

## CABLE LOOMS



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 945 mm
- Number of plugs: 2

Used on SJ8831/41E, 6826/6832, 6826/6832E, 3220/3226, 3220/3226M, COMPACT 3015/3219 SJIII, SJLB12

REF [165TA4379](#)



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 935 mm
- Number of plugs: 2

Used on SJ8831/41E, 6826/6832, SJIII3215/3219, 3220/6832, 3220/3226, 3220/3226M, SJIII3220/26-4620/26

REF [151TA2138](#)



ELECTRIC MOTORS							
	Minimum voltage V	Current A	Revolutions/ minute rpm	Power kW	Direction of rotation	Used on	
	24	150	3600	2,9	CW	SJM SERIES, SJII SERIES, 3220-6832, COMPACT 3015/3219SJIII	<a href="#">151TA2005</a>
	24	40	3000	0,7	CW/CCW (reversible)	SJM SERIES	<a href="#">151TA2001</a>
	24		3100	3	CW	SJIII3215/3219, SJ3220/4632, SJ3215/3219, SJ3220/26-4260/26	<a href="#">151TA2002</a>
	24		3100	3	CW	6826/6832, SJ6826/6832, 3220/3226, 3220/4632, 3220M/3226M, SJ3220/4632, SJ3215/3219	<a href="#">164TA1281</a>

## BRUSH KIT



- Thickness: 9,9 mm
- Width: 32,8 mm
- Height: 23 mm
- Set of 4 brushes

Used on 6826/6832, SJ6826/6832, 3220/3226, 3220/4632, 3220M/3226M, SJ3220/4632, SJIII3220/26-4660/26

REF [151TA2139](#)





## LIGHTING SWITCHES



- Voltage: 12 V
- Current: 18 mA

Used on SJ9241/9250RT, SJ8831/SJ8841RT, SJ46/51AJ, SJ61/SJ66T, SJ63AJ

**REF [151TA1993](#)**



- Voltage: 24 V
- Current: 18 mA

Used on SJ8831E/41E, SL6826/6832, SJIII3215/3219, SJ3220/4632

**REF [164TA1337](#)**

## BATTERY DISCONNECT SWITCHES



- Voltage: 6/12/24/36 VDC
- Current: 175 A
- Quantity of poles: 1
- Auxilliary switch present: no

Used on SJM SERIES, SJII SERIES, 3220/6832, COMPACT 3015/3219SJ, SJKB33N

**REF [164TA1154](#)**



- Voltage: 12 V
- Current: 1000 A intermittent, 125 A continuous, small 20 A
- Quantity of poles: 1
- Auxiliary switch present: no

Used on SJ9241/9250RT, SJ8831/8841RT, SJ9250RT, 9250, SJ9251/50, SJ8831/41RT

**REF [164TA1267](#)**

## LIMIT SWITCHES



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 1,5 A

Used on SJ46/51AJ, SJ82/86T, 9250, SJ9250

**REF [164TA1228](#)**



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 1,5 A

Used on SJ9241/9250RT, SJII SERIES, 9250, SJ9250, SJ9241/50RT

**REF [147TA5236](#)**







- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 1,5 A

Used on SJ63AJ, SJ61/66T, SJ4045T

**REF [146TA8251](#)**



## MICROSWITCHES

	Type of connection	Number of connections	Number of CO contacts	Number of connection holes	Current A	Used on	REF
	Solder connection	3	1	2	15	SJM SERIES, SJII SERIES, SJ9250, SJ8831E/41E, SJ8831/41, 7027-SJ600 SERIE, 6826/6832E	<a href="#">127TA2546</a>
	6,35 mm FASTON	3	1	2	15		<a href="#">146TA4199</a>
	Solder connection	3	1	2	3	SJ9250, SJ8831/41, 7027/SJ600 SERIES, 8831(F)/8841(F)SJ-800, 3220/6832, SJII SERIES	<a href="#">164TA1159</a>
	Solder connection	3	1	2	10,1	SJ9241/9250RT, SJ9250RT, SJ9241/50, SJ8841RT, SJ6826/6832RT, SJ6832RTE	<a href="#">165TA4380</a>

## MUSHROOMHEAD PUSH BUTTONS



- Built-in diameter: 40 mm
- Diameter knob: 44 mm

Used on SJM SERIES, SJII SERIES, 9250, SJ9250

**REF [164TA1160](#)**



- Built-in diameter: 20,4 mm
- Diameter knob: 40 mm

Used on SJ40/45T, 6286/6832RT, SJ6826/6832RT

**REF [164TA1319](#)**



- Built-in diameter: 22 mm
- Diameter knob: 40 mm

Used on SJ9241/9250RT, SJ8331/8841RT, SJ46/51AJ, SJ82/86T, SJ61/66T

**REF [151TA2365](#)**



- Built-in diameter: 22 mm
- Diameter knob: 40 mm

Used on SJ9241/9250RT, SJ8831/8841RT, SJ63AJ, SJ61/66T, SJ46/51AJ, SJ40/45T

**REF [164TA1324](#)**



## PUSH BUTTONS



- Diameter: 28,5 mm
- Length: 30 mm
- Button colour: green

Used on SJ9250, SJ8831/41, 7027 SJ600 SERIE, 7027-7135 SJ 600 SERIE, 7127/7135, 8831(F)/8841(F)SJ-800

**REF [165TA4381](#)**



- Diameter: 28,9 mm
- Length: 26,6 mm
- Button colour: black

Used on SJM SERIES, 9250, SJ9250, SJ8831E/41E, SJ8831/41, 7027 SJ600 SERIES

**REF [164TA1152](#)**



- Diameter: 16 mm
- Length: 34 mm
- Button colour: red

Used on SJ9241/9250RT, SJ9250, SJ9241/50, SJ8831/41, 6826/6832RT, 6826/6832

**REF [164TA1279](#)**



- Diameter: 27 mm
- Length: 28,5 mm
- Button colour: black

Used on SJ9241/9250RT, SJ46/51AJ, SJ63AJ, S61/66T, SJ40/45T

**REF [164TA1336](#)**

## ROTARY SWITCHES



- Number of positions: 2
- Built-in diameter: 22 mm

Used on SJII SERIES, 9250, SJ9250, SJ8831/41, 7027 SJ-600 SERIES

**REF [164TA1161](#)**



- Number of positions: 3
- Built-in diameter: 21,7 mm

Used on SJM SERIES, SJII SERIES, 9250, SJ9250, SJ8831/41, 7027 SJ-600 SERIES

**REF [151TA2425](#)**



- Number of positions: 3
- Built-in diameter: 22 mm

Used on 6826/6832RT, SJ6826/6832RT

**REF [164TA1317](#)**







## SWITCH ACCESSORY






Used on SJ9241/9250RT, SJ8831/8841RT, SJII SERIES, SJ9250RT

REF [164TA1147](#)

## TOGGLE SWITCHES

	Positions	Number of connections	Voltage VAC	Current A	Used on	REF
	On-off-on	12	125/250	10	SJM SERIES, SJII SERIES, SJ8831E/41E, SJ6826/6832RT, SJIII3215/3219	<a href="#">164TA1252</a>
	On-on	3	125/250/277	10	SJ8831/41E, SJ6826/6832RT, SJ12, SJ12/16, 6826E/6832E SJIII SERIES	<a href="#">151TA2256</a>
	On-on	3	125/250/277	12	SJ46/51AJ, SJ63AJ, SJ82/SJ86T	<a href="#">165TA4382</a>
	On-off-on	3	125/250	10	SJ9241/9250RT, SJ8831/8841RT, SJM SERIES, SJII SERIES	<a href="#">164TA1153</a>
	On-off-on	6	125/277	10	SJ46/51AJ, SJ63AJ, SJ82/86T, SJ61/66T	<a href="#">164TA1368</a>



TOGGLE SWITCHES						
	Positions	Number of connections	Voltage VAC	Current A	Used on	REF
	Off-on	2	125/250	10	SJII SERIES, SJ46/51AJ, SJ63AJ, SJ82/86T, SJ61/SJ66T	<a href="#">164TA1250</a>
	Off-on	4	125/250	15	SJ9241/9250RT, SJ8831/8841RT, SJ9250RT, SJ9250, 9250, SJ9241/50RT	<a href="#">164TA1238</a>
	On-on-(on)	6	125/250	10	SJ9241/9250RT, SJ46/51AJ, SJ82/86T, SJ9250RT	<a href="#">165TA4383</a>

## CONTACT BLOCK HOLDERS



- Length: 42 mm
- Width: 30 mm
- Height: 12 mm

Used on SJIII3220/26-4620/26, SJ9241/9250RT, SJ8831/8841RT, SJ63AJ, SJ61/66T

**REF [164TA1335](#)**



- Length: 40 mm
- Width: 30 mm
- Height: 10,8 mm

Used on SJM SERIES, SJII SERIES, 9250, SJ9250

**REF [164TA1167](#)**



- Length: 37 mm
- Width: 30 mm
- Height: 16 mm

Used on SJ40/45T, 62826/6832RT, SJ40/45T

**REF [164TA1310](#)**



## CONTACT BLOCKS



- Voltage: 300 V
- Current: 10 A

Used on SJ40/45T, 6826/6832RT, 6826/6832

**REF [164TA1314](#)**



- Voltage: 300 V
- Current: 10 A

Used on 6826/6832RT, 6826/6832

**REF [164TA1315](#)**



- Voltage: 300 V
- Current: 10 A

Used on SJ40/45T, 6826/6832RT, 6826/6832

**REF [164TA1316](#)**

## TEMPERATURE SWITCH







- Thread: 3/8" NPT
- Length: 58 mm

Used on SJ9241/9250RT, SJ8831/8841RT, SJ9250RT, 9250, SJ9241/50, SJ8841RT

**REF [165TA4384](#)**



PRESSURE CONTACTS							
	Thread	Connection	Switch mode	Pressure range bar	Length mm	Used on	REF
	1/8" NPT	2x blade connection	Standard	0,5	64,5	SJ9241/9250RT, SJ8831/8841RT, SJ9250RT, 9250, SJ9241/50RT	<a href="#">165TA4385</a>
	7/16" UNF	1 loose connector	Standard	138	70	SJ8831/8841RT, SJ8831/41E, SJ8831/41, SJ7127/35-8243-8850, SJIII3215/SJIII3219, 3220M/3226M	<a href="#">164TA1307</a>
	7/16" UNF	1 loose connector	Standard	200 (3000 psi)	69	SJ9241/9250RT, SJ8831/8841RT, SJ9250RT, SJ9241/50RT, SJ9241/50	<a href="#">164TA1308</a>
	7/16" UNF	1 loose connector	Standard	86	70,3	SJ3220/4632, SJIII3220/26-4620/26, 3220M/3226M, 3220/3226	<a href="#">164TA1309</a>

## TILT SENSORS



- Diameter: 96,7 mm
- Height: 116,8 mm
- Voltage: 7-48 VDC
- Detection: 1-10°

Used on 702/7135 SJ60, 7127/7135, 7127/96250 SJ600 SERIE, COMPACT3015/3219 SJIII

REF [164TA1356](#)



- Diameter: 96,7 mm
- Height: 116,8 mm
- Voltage: 12-24 VDC
- Detection: 2,5-4,5°

Used on SJM SERIES, 9250, SJ9250, SJ8831/41E, 6826/6832RT, SJ8831/41, 7027/SJ-600 SERIE

REF [164TA1260](#)



- Diameter: 96,7 mm
- Height: 116,8 mm
- Voltage: 24 VDC
- Detection: 5°

Used on SJKB33/40, SJKB33N

REF [164TA1360](#)



- Length: 97 mm
- Height: 54,5 mm
- Detection: 1,5-3,5°

Used on SJ3215/3219, SJ3220/4632, SH7127/35-8243/8850

REF [164TA1330](#)





## ANGLE SENSOR



- Length: 102 mm
- Width: 37,5 mm
- Height: 32 mm

Used on SJ9241/9250RT0  
SJ8831/8841RT, SJ9250RT,  
SJ8841RT, SJ9241/50

**REF [151TA2240](#)**



## TEMPERATURE GAUGE



- Length: 107 mm
- Width: 32 mm
- With thermometer

Used on SJM SERIES, SJ8831/8841RT, SJII SERIES, SJ46/51AJ, SJ63AJ, SJ9250RT, 9250

**REF [151TA2073](#)**

## BATTERY DISCHARGE INDICATOR



- Voltage: 24 V
- Built-in diameter: 56,5 mm
- Lift lock-out: no

Used on SJM SERIES, SJ8831/8841RT, SJII SERIES, 6826E/6832E, 3220/6832

**REF [164TA1178](#)**

## HOUR METER



- Voltage: 10-80 VDC
- Built-in diameter: 50,7 mm
- Number of digits: 6

Used on 9241/9250RT, SJM SERIES, SJII SERIES, SJ8831/8841RT

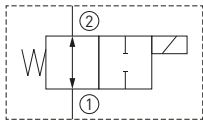
**REF [151TA2226](#)**



## CARTRIDGE VALVES



- Width across flats: 22,4 mm
- Length: 93 mm
- Diameter: 12,7 mm

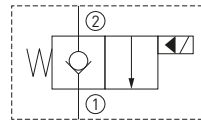


Used on SJII SERIES, 9250, SJ9241/50RT, SJ8831/41RT, SJ8831/41

**REF [164TA1155](#)**



- Width across flats: 22,2 mm
- Length: 75,4 mm
- Diameter: 12,7 mm

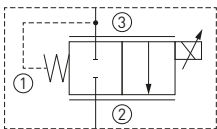


Used on SJ9241/9250RT, SJ8831/8841RT, SJM SERIES, SJII SERIES

**REF [151TA2011](#)**



- Width across flats: 27 mm
- Length: 131,6 mm
- Diameter: 15,8 mm

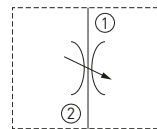


Used on SJII SERIES, 3220/6832, 3220/3226, 3220/4632, 3220/3226M

**REF [164TA1248](#)**



- Width across flats: 25,4 mm
- Length: 70,5 mm
- Diameter: 15,8 mm

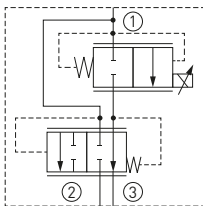


Used on SJM SERIES, SJII SERIES, 9250, 6826/6832, SJIII3215/3219, SJ3215/3219, 3220/6832

**REF [151TA2013](#)**



- Width across flats: 27 mm
- Length: 131,6 mm
- Diameter: 15,8 mm

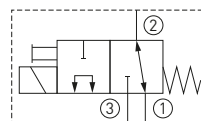


Used on 6826/6832, SJ682/6832, SJIII3215/3219, 3220/3226, 3220/6832, 3220M/3226M

**REF [151TA2008](#)**



- Width across flats: 22,4 mm
- Length: 103,3 mm
- Diameter: 35,8 mm



Used on SJIII SERIES, SJ9241/9250RT, SJ8831/8841RT, SJM SERIES, SJ9250RT, 9250, SJ9250

**REF [164TA1187](#)**



## PRESSURE VALVES (FLOW)



- Thread: 9/16"
- Length: 85,7 mm

Used on SJKB33N, SJLB12, SJKB33/40, SJLB12

**REF [164TA1361](#)**



- Thread: M20 x 1,5 mm
- Length: 65,1 mm

Used on SJ9241/9250RT, SJ8831/8841RT, SJ8831/41E, SJ9250, 9250, SJ9250, SJ9241/50RT

**REF [165TA4386](#)**



- Thread: 1/4" x 20 Pi
- Length: 77 mm

Used on SJ9241/9250RT, SH8831/8841RT, SJM SERIES, SJII SERIES, SJ9250RT, 9250, SJ9250

**REF [151TA2009](#)**

## CARTRIDGE VALVE COILS



- Voltage: 24 V
- AC/DC: DC
- Resistance: 40,6 Ω
- Diameter: 33 mm
- Height: 37 mm

Used on SJII SERIES, SJM SERIES, SJ8831E/41E, 6826/6832, 6826/6832E, SJIII3215/3219, 3220/6832

**REF [151TA2014](#)**



- Voltage: 12 V
- AC/DC: DC
- Resistance: 10,7 Ω
- Diameter: 33 mm
- Height: 37,4 mm

Used on SJ9241/9250RT, SJ8831/8841RT, 9250, SJ9250/SJ9250RT, SJ9241/50RT

**REF [151TA2007](#)**

Cartridges exist in a variety of dimensions and wiring diagrams. When placing an order, always provide the necessary info with regard to the wiring diagram, as cartridges may have identical dimensions yet be connected in different ways.



## HYDRAULIC CYLINDERS



- Brake cylinder
- Total measured length: 265 mm
- Diameter tube: 48 mm
- Diameter rod: 19 mm

Used on SJM SERIES, SJII SERIES, COMPACT 3015/3219 SJIII, 3220/4620/6826/6832

**REF [151TA2229](#)**



- Brake cylinder
- Total measured length: 324 mm
- Diameter tube: 48 mm
- Diameter rod: 19 mm

Used on SJ3215/3219, COMPACT 3215/3219 SJIII, 3215/3226 SJIII SERIES

**REF [151TA2255](#)**



- Steering cylinder
- Total measured length: 482 mm
- Diameter tube: 63,8 mm
- Diameter rod: 23 mm

Used on SJ9241/9250RT, 9250, SJ941/50, SJ8831/41, 7127/7135

**REF [165TA4387](#)**



- Steering cylinder
- Total measured length: 490 mm
- Diameter tube: 64 mm
- Diameter rod: 28,6 mm

Used on SJM SERIES, COMPACT 3015/3218 SJIII, 3215/3226 SJIII SERIES, 3215/3226 SJIII SERIES

**REF [151TA2228](#)**



- Steering cylinder
- Total measured length: 436 mm
- Diameter tube: 64 mm
- Diameter rod: 22,2 mm

Used on 6826/6832RT, SJ6826/6832RT, 6826/6832

**REF [165TA4388](#)**

## HYDRAULIC HOSES



- Length: 800 mm
- Pressure: 180 psi (brakes with 720 psi)

Used on SJM SERIES, 3215/3219 SJIII, 3215/3226 SJIII SERIES, 3015/3219 SJIII SERIES

**REF [165TA4389](#)**



- Length: 795 mm
- Pressure: 330 psi (brakes with 1320 psi)

Used on SJM SERIES, 6826/6832, SJ3220/4632, SJIII3220/4632, SJIII3220/26-4620/26, COMPACT 3215/3219 SJIII

**REF [151TA2066](#)**



## HYDRAULIC PUMP



- Total length: 96 mm
- Neck diameter: 45,2 mm
- Direction of rotation: CCW
- Housing material: metal

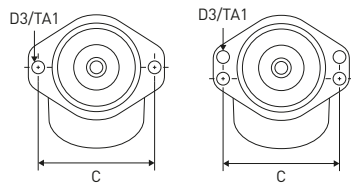
Used on SJIII SERIES, 6826/6832, 6826/6832E, SJ6826/6832, 3220/3226, 3220/3226M, 3220/6832,

REF [151TA2086](#)

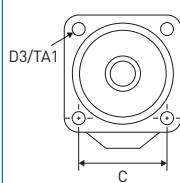
## HYDRAULIC MOTORS

### Type of flange

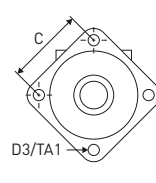
Type A



Type C



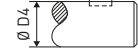
Type F



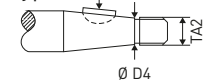
Type S  
Special shape,  
none of the  
previous types

### Type of shaft

Type A



Type E



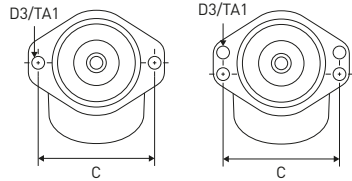
	Thread connection	Type of flange	Type of shaft	Total length mm	Used on	REF
	7/8" UNF	C	E	301		<a href="#">164TA7257</a>
	7/8" UNF	C	E	239	SJIII SERIES, 3220/6832, 3220/4632, 3220/3226M	<a href="#">131TA6830</a>
	7/8" UNF	A	A	266	SJ9241/9250RT, SJ8831/8841RT, SJ9250RT, 9250, SJ9250, SJ9241/50RT, SJ9241/50	<a href="#">131TA6823</a>
	7/8" UNF	F	E	250	COMPACT 3215/3219 SJIII, COMPACT 3015/3219 SJIII	<a href="#">151TA2079</a>



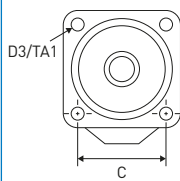
## HYDRAULIC MOTORS

### Type of flange

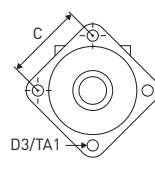
Type A



Type C



Type F



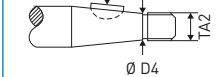
Type S  
Special shape,  
none of the  
previous types

### Type of shaft

Type A



Type E



	Thread connection	Type of flange	Type of shaft	Total length mm	Used on	REF
	7/8" UNF + 7/16" UNF	S	E	352	3220/4632, SJIII3220/4632, 3220/4632 SJIII SERIES	<a href="#">151TA2081</a>
	1 1/16" UNF + 7/16" UNF	C	E	340	SJ6826/6832RT, SJ832RTE, 6826/6832RT	<a href="#">151TA2083</a>
	7/8" UNF	C	E	208,5	SJIII3215/3219, SJ12, SJ12/16	<a href="#">165TA4390</a>

## HYDRAULIC PUMP GROUPS



Electric motor: 24 V

Used on 3220/6832, 3220/6832  
SJIII SERIES, 6826/6832,  
3220/3226M

REF [151TA2078](#)



Electric motor: 24 VDC

Used on SJIII3215/3219,  
SJ3220/4632,  
SJIII3220/26-4620/26

REF [151TA2088](#)





## VALVE PARTS



Hand pump assembly

Used on SJIII3215/3219, SJ3215/3219, SJIII3220/26-4620/26, SJ12, SJ12/16

REF [164TA1326](#)



Hand pump assembly

Used on SJIII3215/3219, SJ3215/3219, SJIII3220/26-4620/26, SJ12, SJ12/16

REF [151TA2074](#)

## FILTER



- Application: air filter
- Outer diameter: 47 mm
- Inner diameter: 26,6 mm
- Height: 112 mm

Used on SJM SERIES, SJII SERIES, 6826/6832, SJIII3215/3219, SJ3215/3219, 3220/4632, 3220/6832, SJ3220/4632

REF [147TA5865](#)

## FILLER CAP



- Height: 20 mm
- Outer diameter: 73 mm
- Inner diameter: 38 mm

Used on SJ9250, SJ8831/41, 7127/7135, 7127/9250 SJ600 SERIES, SJ600/800/1000, SJ63AJ, SJ46/51AJ

REF [151TA2134](#)



ENGINE STOP SOLENOIDS							
	Voltage V	Type of current	Function	Mounting side	Length mm	Used on	REF
	12	DC	Pull	Both sides	59,7	7027/7135 SJ60, 8831(F)/8841(F) SJ800, 7127 SJ 600 SERIES, 7127/7135	<a href="#">164TA1246</a>
	12	DC	Pull	Both sides	71	9250, SJ9250, 7127/8850, SJ8831/41, SJ600/800/1000, SJ800/900/1000, 7127-9250 SJ600/800/900/1000	<a href="#">151TA2221</a>
	12	DC	Pull	Both sides	128,7	7027/SJ600 SERIE, 7127/7135, 7127/9250 SJ600 SERIES, 7127/9250 SJ-RT SERIES	<a href="#">135TA2497</a>
	12	DC	Pull	Both sides	132	SJ9241/9250RT, SJ881/8841RT, SJ9250, SJ9241/50RT, SJ8831/41RT, 6826/6832RT	<a href="#">135TA2488</a>
	12	DC	Pull	Both sides	150	SJ8831/8841RT, 9250, SJ9250, SJ9241/50	<a href="#">151TA2223</a>
	12	DC	Push	Left side	105	6826/6832RT, SJ6826/6832RT	<a href="#">151TA2222</a>

## TANK EXPANSION



- Length: 186,5 mm
- Width: 79 mm
- Height: 128 mm

Used on SJ9241/9250RT, SJ8831/8841RT, SJ63AJ,  
SJ61/66T, SJ46/51AJ, SJ9250RT, SJ9241/50

REF [151TA2244](#)



## STARTERS



- Voltage: 12 V
- Power: 0,8 kW
- Number of teeth: 8

Used on 7027/7135 SJ60,  
7127/7135, 8831(F)/8841(F) SJ,  
7027 SJ600 SERIES,  
6826/6832RT, SJ6826/6832RT

**REF [152TA4552](#)**



- Voltage: 12 V
- Power: 1,2 kW
- Number of teeth: 9

Used on 7027/7135, 7127,  
8831(F)/8841(F)SJ, SJ600 series

**REF [165TA4391](#)**

## ALTERNATOR



- Voltage: 12 V
- Current: 45 A
- Centre distance: 138 mm

Used on 7027/7135, 7127, 8831(F)/8841(F)SJ,  
SJ600 SERIES

**REF [152TA4093](#)**



FILTERS					
	Outer diameter mm	Inner diameter mm	Height mm	Used on	REF
<b>Air filter</b>					
	89,8	45	179	SJ9241/9250RT, SJM SERIES, SJII SERIES, SJ9250RT, 9250, SJ8831/41RT	<a href="#">147TA5885</a>
	191	146	377	VR-642D, VR-1044D	<a href="#">164TA1369</a>
	165	93	348	SJ82/86T, SJ63AJ, SJ61/66T, SJ40/45T	<a href="#">147TA5860</a>
<b>Oil filter</b>					
	70	29	80	SJ9241/9250RT, SJ8831/8841RT, SJM SERIES, SJII SERIES, SJ9250RT, 9250	<a href="#">145TA6278</a>
	78	78	170	SJ9241/9250RT, SJ8831/8841RT, SJM SERIES, SJII SERIES	<a href="#">147TA5866</a>
	83	18,5	100	9250, SJ9250, SJ7027/7135 SJ60, SJ8831/41, 7127/9250 SJ600/800/1000	<a href="#">147TA5879</a>
	95,3	32,8	155,6	SJ61/66T, SJ46/51AJ, SJ40/45T	<a href="#">147TA5839</a>
	98	23,2	145	6826/6832RT, SJ6832RTE, 6826/6832	<a href="#">147TA5868</a>
	129	36,5	170	SJ61/66T, SJ0/45T	<a href="#">147TA5841</a>



## CHASSIS ACCESSORIES



Length: 76,2 mm

Used on 6826/6832,  
6826/6832E, SJIII3215/3219,  
3220/3226, 3220/4632,  
3220/6832, SJ3220/4632,  
SJIII3220/26-4620/26

**REF [164TA1289](#)**



- Length: 320 mm
- Height: 410 mm

Used on COMPACT 3215/3219  
SJIII

**REF [165TA4395](#)**



- Length: 1590 mm
- Width: 540 mm

Used on SJ8831/8841RT,  
SJ8841RT, SJ8831/41E,  
SJ8831/41RT

**REF [165TA4392](#)**



- Length: 203 mm
- Width: 118 mm
- Height: 35 mm

Used on SJII3215/3219,  
SJ3215/3219, 3215/3226 SJIII  
SERIES

**REF [164TA1354](#)**



- Length: 82 mm
- Width: 33 mm

Used on 6826/6832, 6826/6832E,  
SJIII3215/3219, 3220/3226,  
3220M/3226M, 3220/6832

**REF [165TA4393](#)**

## LADDERS



- Height: 640 mm
- Width: 327 mm

Used on SJII SERIES,  
3220/4620/4626/6826/6832,  
3220/6832

**REF [165TA4394](#)**



- Height: 360 mm
- Width: 330 mm

Used on SJM SERIES,  
COMPACT 3015/3219 SJIII,  
3220/4620/4626/6826/6832,  
3215/3226 SJIII SERIES

**REF [165TA4396](#)**



## LOWERING BARS



- Length: 2050 mm
- Diameter: 25 mm

Used on 9250, SJ9250, SJ8831/41, 6826/6832, 7027/7138 SJ60, SJ6826/6832, 3220/6832

**REF [151TA1982](#)**



- Length: 2050 mm
- Diameter: 25 mm
- Mounting kit included

Used on 3220/4632, SJ3220/4632, SJIII3220/4632, 3215/6832 SJIII SERIES

**REF [165TA4397](#)**

## PULLEY MOUNTS



- Number of holes: 2
- Material: metal

Used on SJII SERIES, 3220/4620/4626/6826/6832, 6826/6832E, SJIII3215/3219, 3220/6832

**REF [164TA1272](#)**



- Number of holes: 19
- Material: metal

Used on SJII SERIES, 3220/6832, COMPACT 3015/3219 SJIII

**REF [164TA1288](#)**

## HINGES



- Length: 43 mm
- Width: 43 mm

Used on SJM SERIES, SJII SERIES, 8831(F)/8841(F) SJ800, 3220/4620/4626/6826/6832

**REF [164TA1378](#)**



- Length: 101,5 mm
- Width: 54 mm

Used on SJ9241/9250RT, SJM SERIES, SJ63AJ, SJ61/66T, SJ46/51AJ

**REF [140TA8654](#)**



## LATCHES



- Length: 92,3 mm
- Width: 41,8 mm

Used on SJ9241/9250RT, SJ8831/8841RT, SJM SERIES, SJII SERIES, SJ9250RT, 9250, SJ9241/50RT

**REF [151TA2118](#)**



- Length: 92,3 mm
- Height: 41,8 mm

Used on SJ8831/8841RT, SJM SERIES, SJII SERIES, SJ8841RT, SJ9250, SJ6826/6832RT

**REF [151TA2119](#)**



- Length: 140 mm
- Height: 37,5 mm

Used on SJ9241/9250RT, SJ8831/8841RT, SJ82/86T, SJ63AJ, SJ40/45T, SJ46/51AJ

**REF [151TA2116](#)**

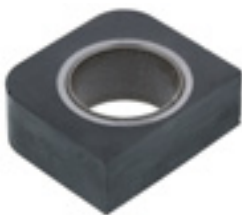


Kit

Used on SJ9241/9250RT, SJ8831/8841RT, SJ82/86T, SJ63AJ, SJ40/45T, SJ46/51AJ

**REF [151TA2117](#)**

## REPLACEMENT PARTS



- Length: 68,5 mm
- Width: 60 mm
- Height: 25,4 mm
- Inner diameter: 38 mm

Used on SJ8831/8841RT, SJM SERIES, SJ9250, SJ8831/41, SJ6826/6832RT

**REF [164TA1283](#)**



- Outer diameter: 37,85 mm
- Inner diameter: 20,32 mm
- Height: 12,70 mm

Used on SJIII3215/3219, SJ3215/3219, COMPACT 3215/3219 SJIII

**REF [151TA2217](#)**



- Outer diameter: 38 mm
- Inner diameter: 28 mm
- Height: 32 mm

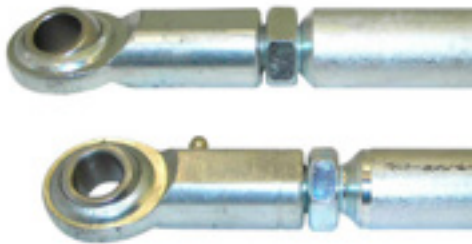
Used on SJIII3215/3219, SJ3215/3219, COMPACT 3215/3219 SJIII

**REF [151TA2218](#)**





## PUSH-PULL ROD



- Length: 1250 mm
- Inner diameter: 16 mm
- Outer diameter: 25,4 mm

Used on SJII SERIES, 6826/6832, 6826/6832E, 3220/6832, 3220/6832 SJIII SERIES

**REF [164TA1245](#)**

## ROLLERS



- Diameter roller: 45 mm
- Width roller: 61,5 mm
- Diameter shaft: 19,4 mm
- Without reduction bushing

Used on 6826/6832RT, 6826/6832, SJ6832RTE, SJIII3215/3219, 32203226, 3220/4632, SJ3220/4632

**REF [164TA1287](#)**



- Diameter roller: 50,8 mm
- Width roller: 50,25 mm
- Diameter shaft: 19 mm
- With reduction bushing

Used on SJM SERIES, SJII SERIES, 6826/6832E, 3220/6832

**REF [164TA1144](#)**

## BUMPER SCISSOR BOTTOM LEVEL



- Total length: 32 mm
- Inner diameter: 28 mm
- Outer diameter: 38 mm

Used on SJIII3215/3219, SJ3215/3219, COMPACT 3215/3219 SJIII, 3215/3226 SJIII SERIES

**REF [151TA1998](#)**

## STEEL CABLES



- Total length: 180 mm
- Diameter: 1,4 mm

Used on SJ9241/9250RT, SJM SERIES, SJ8831/8841RT, SJII SERIES, SJ63AJ, SJ61/66T, SJ40/45T

**REF [151TA2122](#)**



- Total length: 180 mm
- Diameter: 1,7 mm

Used on SJ9241/9250RT, SJ8831/8841RT, SJ9250, SJ9241/50RT, SJ8841RT, SJ8831/41

**REF [164TA1286](#)**



## ROD END STEERING AXLE



- Type: tie rod end outer thread
- Thread type: 7/8" x 18 Pi
- RH/LH: LH
- Smallest diameter cone: 17 mm

Used on SJ9241/9250RT, SJ9250RT, SJ9241/50RT, SJ8841RT, SJ8831/41E, SJ8831/41, 7127/7135

REF [164TA1235](#)

## ROD STEERING



- Length: 565 mm
- Diameter: 26 mm

Used on 3220/3226, 3220M/3226M, SJ3220/4632, SJIII3220/4632, SJIII3220/26-4620/26, 3220/3226 SJIII

REF [165TA4400](#)

## LINK STEERING CYLINDER



- Minimum distance between holes: 116,5 mm
- Maximum width at the hole: 46 mm
- Total length: 170,5 mm
- Diameter smallest hole: 15,7 mm

Used on SJM SERIES, SJ3215/3219

REF [165TA4398](#) - RH

REF [165TA4399](#) - LH

## STEERING KNUCKLE



- Steering knuckle RH or LH: both
- Diameter 1: 27 mm
- Diameter 2: 35 mm
- Thread: 1"
- Pitch: 14 Pi

Used on SJII SERIES, 6826/6832, 6826/6832E, 3220/6832, 3220/6832 SJIII SERIES

REF [151TA2193](#)



## HUB WHEELS



- Total height: 45 mm
- Hub shaft
- Conical mounting holes: 32,4-37,8 mm
- Number of holes: 5

Used on SJ6826/6832RT, SJ6832RTE, 6826/6832

**REF [165TA4401](#)**



- Total height: 89 mm
- Bare hub
- Conical mounting holes: 50,2-64,9 mm
- Number of holes: 5

Used on SJII SERIES, 6826/6832, 6826/6832E, 3220/6832, 3220/3226M, SJ3220/4632

**REF [151TA2070](#)**



- Total height: 90 mm
- Hub with cap, nut, washer
- Number of mounting holes: 5 x 1/2" UNF
- Number of holes: 5

Used on SJII SERIES, 6826/6832, 3220/4632, 3220/3226M, SJ3220/4632, SJIII3220/4632, SJIII3220/26-4620/26

**REF [151TA2067](#)**

## HUB CAP



- Outer diameter: 56 mm
- Diameter passing: 50,5 mm

Used on SJII SERIES, SJM SERIES, 6826/6832, 3220/6832, 3220/3226M, SJ3220/4632

**REF [151TA1979](#)**

## AXLE SHAFT



- Type: grooves – flange
- Length: 1025 mm
- Number of splines: 35
- Diameter splines: 37,5 mm
- Diameter flange: 120,5 mm

Used on SJ9241/9250RT, SJ9250RT, SJ9250, SJ9241/50, SJ8841RT, SJ8831/41, 7127/8850, 8831(F)/8841(F) SJ800

**REF [165TA4402](#)**

## CHAIN



- Pitch: 19,05 mm
- Pin diameter: 5,95 mm
- Total width: 25,7 mm
- Chain length: 890 mm

Used on SJ9250, 7027 SJ600 SERIES, 8831(F)/8841(F) SJ800, 8831/8841/8231/8241(F) SJ800

**REF [164TA1380](#)**

## COUPLING



- Height: 37 mm
- Outer diameter: 78 mm
- Inner diameter: 19 mm
- Number of splines: 50

Used on SJ9250, SJ8831/41, 7027 SJ600 SERIES, 7127/7135, 8831(F)/8841(F) SJ800, 7027 SJ-600 SERIES

**REF [165TA4403](#)**



## WEAR PAD



- Length: 101,5 mm
- Material: metal

Used on 6826/6832RT,  
SJ6826/6832RT, SJ6832RTE,  
SJIII3215/3219, 3220/3226,  
3220/4632

**REF [151TA2029](#)**

## PROTECTIVE COVER



- Length: 216 mm
- Width: 140 mm
- Height: 130 mm

Used on SJ9241/9250RT,  
SJ9250RT, SJ9250,  
SJ9241/50RT, SJ8841RT,  
SJ8831/41E

**REF [151TA2063](#)**



## GAS SPRINGS/SHOCK ABSORBERS



- Type: push type
- Force: 750 N
- Centre distance: 1245 mm

Used on SJM SERIES,  
SJII SERIES, 7027 SJ600  
SERIES, 7127/8850, 3220/6832  
SJIII SERIES

**REF [151TA2033](#)**



- Type: push type
- Force: 955 N
- Centre distance: 630 mm

Used on 6826/6832RT,  
SJ6832RTE, 6826/6832

**REF [165TA4404](#)**



## DECALS



- Length: 32 mm
- Height: 13 mm

Used on SJM SERIES, SJII SERIES, 9250, SJ9250, SJ8831/41, 7027 SJ600 SERIES

REF [151TA2147](#)



- Length: 31 mm
- Height: 13 mm

Used on 6826/6832, 6826/6832E, 3220/3226, 3220/3226M, SJIII SERIES, COMPACT 3215/3219 SJIII

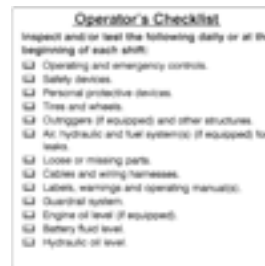
REF [163TA7544](#)



- Length: 31,5 mm
- Height: 13 mm

Used on SJ8831/41E, 6826/6832, 6826/6832E, 3220/3226, 3220/4632, 3220/3226M, 3220/4632 SJIII SERIE, SJIII SERIE

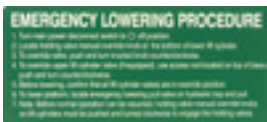
REF [151TA2151](#)



- Length: 76 mm
- Height: 76 mm

Used on SJM SERIES, SJII SERIES, SJ40/45T, SJ61/66T, 9250, SJ9250, SJ9241/50, SJ8831/41E, SJ8831/41, 6826/6832RT, SJ6826/6832RT

REF [126TA3802](#)



- Length: 140 mm
- Height: 63 mm

Used on 6826/6832RT, SJ6826/6832RT, 6826/6832, 6826/6832E, SJ6826/6832, SJ3215/3219, 3220/6832, 3220/3226

REF [151TA2154](#)



- Length: 30,5 mm
- Height: 12 mm

Used on SJ8831/41, 7027 SJ600 SERIES, 7027/7135 SJ600 SERIES, 8831(F)/8841(F) SJ800, 7127/9250 SJ600 SERIES, 7027 SJ600 SERIES

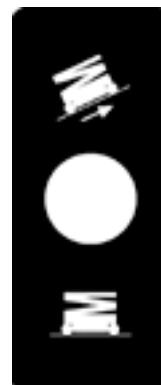
REF [163TA3361](#)



- Length: 32 mm
- Height: 13 mm

Used on SJM SERIES, SJII SERIES, 7027 SJ600 SERIES, 8831(F)/8841(F) SJ800, 7027 SJ600 SERIES

REF [151TA2173](#)



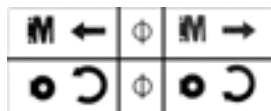
- Length: 25 mm
- Height: 60 mm

Used on SJII SERIES, SJ9250, SJ8831/41, 7027 SJ600 SERIES, 7127/7135, 3220/6832

REF [138TA3382](#)



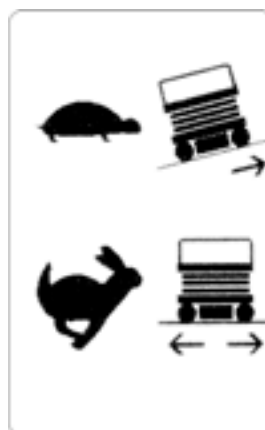
## DECALS



- Length: 77 mm
- Height: 31 mm

Used on SJM SERIES,  
SJII SERIES, 3220/6832,  
3220/3226, 3220/3226 SJIII

REF [151TA2162](#)



- Length: 19 mm
- Height: 31 mm

Used on SJII SERIES, 6826/6832,  
3220/6832, 3220/3226,  
3220/3226M, 3220/6832

REF [151TA2168](#)



- Length: 127 mm
- Height: 76 mm

Used on 3220/3226, 3220/4632,  
3220/3226M, SJ3220/4632,  
SJIII3220/4632, SJ3215/3219,  
SJIII3220/26-4620/26, COMPACT  
3215/3219 SJIII

REF [163TA6761](#)



- Length: 87 mm
- Height: 41,6 mm

Used on 6826RT/6832RT,  
SJ6826/6832RT, SJ6832RTE,  
SJIII3215/3219, SJ3215/3219,  
3220/3226

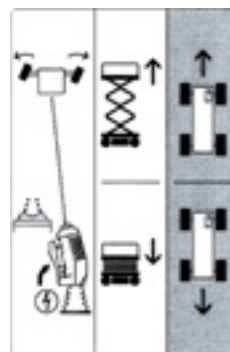
REF [151TA2181](#)



- Length: 203 mm
- Height: 56 mm

Used on 9250, SJ9250,  
SJ9241/50, SJ8831/41E,  
SJ8831/41, 6826/6832RT,  
SJ6826/6832

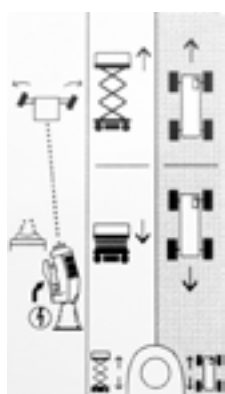
REF [151TA2184](#)



- Length: 50 mm
- Height: 76 mm

Used on SJ8831/41E, 6826/6832,  
3220/4632, 3220/3226M,  
3220/4632 SJIII SERIES,  
3215/6832 SJIII SERIES

REF [138TA2531](#)



- Length: 50,5 mm
- Height: 89 mm

Used on COMPACT 3215/3219  
SJIII, 3215/6832 SJIII SERIES

REF [151TA2140](#)



- Length: 28 mm
- Height: 76 mm

Used on SJ9241/9250RT,  
SJ8831/8841RT, 9250, SJ9250RT,  
SJ9241/50, SJ8841RT,  
SJ7127/35-8243/8850

REF [139TA2882](#)





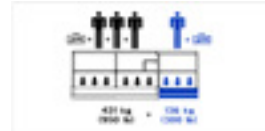
## DECALS



- Length: 32 mm
- Height: 13 mm

Used on 3220/4632, COMPACT 3215/3219 SJIII, 3220/3226M, 3215/6832 SJIII SERIES

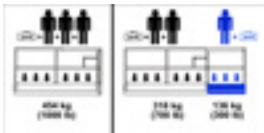
**REF [163TA1148](#)**



- Length: 152 mm
- Height: 76 mm

Used on 6826/6832RT, SJ6826/6832RT, 6826/6832

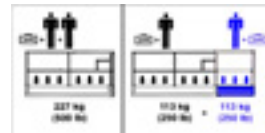
**REF [165TA4405](#)**



- Length: 151 mm
- Height: 76 mm

Used on 6826/6832, 6826/6832E, SJ6826/6832, 3220/4632, 3220/4632 SJIII SERIES, 3215/6832 SJIII SERIES

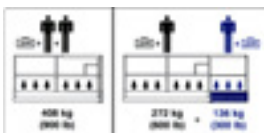
**REF [163TA5932](#)**



- Length: 152 mm
- Height: 76 mm

Used on 3220/3226, 3220/3226M, 3220/4632, SJIII3220/26-4620/26, 3215/6832SJIII SERIES

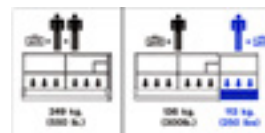
**REF [151TA2176](#)**



- Length: 152 mm
- Height: 76 mm

Used on 3220/3226, 3220/3226M, SJ3220/4632, SJIII3220/4632, 3215/6832 SJIII SERIES

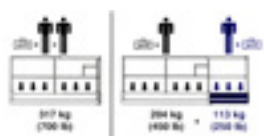
**REF [163TA4573](#)**



- Length: 152 mm
- Height: 77 mm

Used on SJ3215/3219, COMPACT 3215/3219, 3215/3226 SJIII SERIES

**REF [165TA4406](#)**



- Length: 154 mm
- Height: 76 mm

Used on 3220/4632, SJ3220/4632, 3220/4632 SJIII SERIES, 3215/6832 SJIII SERIES

**REF [162TA9755](#)**



- Length: 44 mm
- Height: 19 mm

Used on SJ8831/41E, 6826/6832, 6826/6832E, 3220/3226, 3220/3226M, 3220/4632 SJIII SERIES, 3215/6832 SJIII SERIES

**REF [151TA2163](#)**



## DECALS



- Length: 31,5 mm
- Height: 12,5 mm

Used on SJ9241/9250RT, SJ8831/8841RT, SJ9250RT, 9250, SJ8831/41, SJ8831/41RT, SJ7127/35-8243/8850, 7127/8850

REF [151TA2183](#)



- Length: 123 mm
- Height: 295 mm

Used on 6826/6832RT, SJ6826/6832RT, 6826/6832

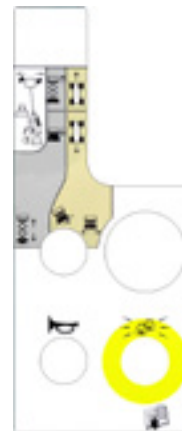
REF [151TA2175](#)



- Length: 123 mm
- Height: 278 mm

Used on SJIII3215/3219, SJ3215/3219, SJ3220/4632, SJIII3220/4632, SJIII3220/26-4620/26

REF [151TA2145](#)



- Length: 123 mm
- Height: 295 mm

Used on SJ6826/6832, SJ3220/4632, SJ3215/3219, 3220/3226

REF [163TA2227](#)



- Length: 127 mm
- Height: 178 mm

Used on 6826/6832RT, SJ6826/6832RT, 6826/6832

REF [163TA7448](#)



Diameter: 104 mm

Used on SJ9241/9250RT, SJ8831/8841RT, SJ9250RT, 9SJ9241/50RT, SJ8831/41E, 6826/6832RT, SJ6826/6832RT

REF [163TA4765](#)



- Length: 53 mm
- Height: 64,5 mm

Used on SJ9241/9250RT, SJ8831/8841RT, SJ9250RT, SJ9241/50RT, SJIII3215/3219, SJ6832RTE

REF [165TA4407](#)



- Length: 170 mm
- Height: 100 mm

Used on SJM SERIES, SJII SERIES, 3220/4620/4626/6826/6832, 9250, SJ9250, SJ9241/50, SJ8831/41E, 6826/6832RT, SJ8831/41

REF [151TA2188](#)



## DECALS



- Length: 116 mm
- Height: 76 mm

Used on SJM SERIES, SJII SERIES, SJ8831/41E, 7027 SJ600 SERIE, 6826/6832E, 7127/7135, 8831(F)/8841(F) SJ800, 3220/6832, 3220/3226

REF [151TA2165](#)



- Length: 77 mm
- Height: 35 mm

Used on SJM SERIES, SJII SERIES, SJ40/45T, SJ61/66T, 9250, SJ9250, SJ9241/50, SJ8831/41E, SJ8831/41, 6826/6832RT, SJ6826/6832RT

REF [126TA3799](#)



- Length: 105 mm
- Height: 23 mm

Used on 9250, SJ9250, SJ9241/50, SJ8831/41, 6826/6832, 7027 SJ600 SERIE, 6826/6832E, 7127/7135, 8831(F)/8841(F) SJ800, SJ7127/35-8243/8850

REF [138TA1484](#)



- Length: 102 mm
- Height: 89 mm

Used on SJ9241/9250RT, SJ8831/8841RT, SJ9250RT, SJ9241/50RT, SJ8841RT

REF [151TA2148](#)



- Length: 159 mm
- Height: 46 mm

Used on SJM SERIES, 3220/6832, SLB12, SJKB33/40, 3220/6832 SJIII SERIES, SJ9241/9250RT, SJ8831/8841RT, SJ46/51AJ, SJ61/66T, SJ40/45T

REF [165TA4408](#)



- Length: 25 mm
- Height: 41 mm

Used on SJ9250, SJ8831/41E, SJ8831/41, 7027 SJ600 SERIES, 7127/7135, 3220/3226, 3220/6832, COMPACT 3215/3219 SJIII

REF [151TA2169](#)



- Length: 48 mm
- Height: 48 mm

Used on SJ9241/9250RT, SJ8831/8841RT, SJ46/51AJ, SJ63AJ, SJ61/66T, SJ40/45T

REF [151TA2167](#)



- Length: 102 mm
- Height: 51 mm

Used on SJ46/51AJ, SJ82,86T, SJ63AJ, SJ61/63T, SJ61/66T

REF [163TA4755](#)



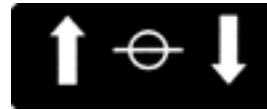
## DECALS



- Length: 291 mm
- Height: 324 mm

Used on 9250,  
SJ9241/50, SJ8831/41E,  
SJ6826/6832RT, 7127/8850,  
SJ7127/35-8243/8850,  
6826/6832E, SJ6826/6832

REF [151TA2166](#)



- Length: 31,5 mm
- Height: 12,5 mm

Used on SJM SERIES,  
SJII SERIES, SJ8831/41E,  
7027 SJ 600 SERIES,  
8831(F)/8841(F) SJ800

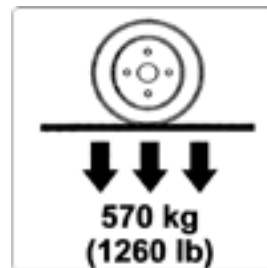
REF [164TA1216](#)



- Length: 254 mm
- Height: 287 mm

Used on SJ9241/9250RT,  
SJ9250RT, SJ9241/50RT,  
SJ6832RTE, SJIII3215/3219

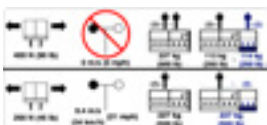
REF [163TA3877](#)



- Length: 47 mm
- Height: 47 mm

Used on SJIII3215/3219,  
SJ3215/3219, COMPACT  
3215/3219 SJIII

REF [151TA2185](#)








- Length: 165 mm
- Height: 75 mm

Used on SJIII3215/3219,  
SJ3215/3219

REF [151TA2177](#)



TRACTION WHEELS						
	Diameter wheel mm	Width wheel mm	Number of bolt holes	Diameter shaft mm	Used on	REF
	310	99	5	72	SJM SERIES, COMPACT 3215/3219 SJIII, 3015/3219 SJIII SERIES	<a href="#"><u>164TA1212</u></a>
	310	100	5	72	SJM SERIES, SJIII3215/3219, COMPACT 3215/3219 SJIII, 3015/3219 SJIII SERIES	<a href="#"><u>147TA2854</u></a>
	310	310	5	72	SJM SERIES, SJIII3215/3219, COMPACT 3215/3219 SJIII, 3015/3219 SJIII SERIES, SJ3215/3219	<a href="#"><u>151TA2325</u></a>
	402	124	5	85	3220/3226, 3220/4632, 3220/3226 SJIII, 3220/4632 SJIII SERIE, 3215/6832 SJIII SERIES, 3220/3226M	<a href="#"><u>141TA4897</u></a>
	406	128	5	86	3220/3226, 3220/4632, 3220/3226 SJIII, 3220/4632 SJIII SERIE, 3215/6832 SJIII SERIES, 3220/3226M	<a href="#"><u>129TA9043</u></a>



TRACTION WHEELS						
	Diameter wheel mm	Width wheel mm	Number of bolt holes	Diameter shaft mm	Used on	REF
	302	100	5	72	SJIII3215/3219, SJ12/16, SJ12	<a href="#">164TA1345</a>
	300	300	5	72	SJ3215/3219	<a href="#">164TA1346</a>
	302	302	5	72	SJIII3215/3219, SJ12/16, SJ12	<a href="#">164TA1344</a>
	406	127	5	86	SJIII3220/4632, SJIII3220/26-4620/26	<a href="#">164TA1350</a>



## TYRES



- Type: solid
- Dimensions: 200 x 8

Used on SJIII3215/3219, SJ3215/3219, COMPACT 3215/3219 SJIII, 3215/3226SJIII SERIES, 3015/3219 SJIII SERIES

**REF [151TA1957](#)**



- Type: pneumatic
- Dimensions: 4,00 x 8,00

**REF [165TA4409](#)**



- Type: anti puncture
- Dimensions: 23 x 10,50-12

Used on SJII SERIES, 6826/6832, 6826/6832E, SJ6826/6832, 3220/6832, 6826/6832E SJIII SERIES, 3215/6832 SJIII SERIES, SJLB12

**REF [151TA1954](#)**

## WHEELS



Dimensions: 4,00 x 8 x 3,75

Used on SJII SERIES, 3220/6832, 3215/6832 SJIII SERIES

**REF [164TA1221](#)**

## WHEEL BOLTS



- Length: 38,3 mm
- Thread type: 1/2" UNF
- Imperial pitch: 20 Pi
- RH/LH: RH

**REF [164TA7733](#)**



- Length: 53 mm
- Thread type: 5/8" UNF
- Imperial pitch: 18 Pi
- RH/LH: RH

Used on 9250, SJ9250, SJ9241/50, SJ8831/41E, SJ8831/41, 7027 SJ600 SERIE




**REF [164TA1174](#)**





AXLE/PINS					
	Diameter mm	Total length mm	Hardened	Used on	REF
	11	25,4	No	SJIII3215/3219, 3220/6832, SJ3220/4632, SJIII3220/26-4620/26	<a href="#">165TA4410</a>
	19	158,3	No	SJII SERIES, 6826/6832, SJ6826/6832, 6826/6832E, SJ3220/4632, SJIII3220/4632, SJIII3220/26-4620/26	<a href="#">151TA1945</a>
	19	75	No	SJIII3215/3219, SJ3215/3219, COMPACT 3215/3219 SJIII, 3215/3226 SJIII SERIES	<a href="#">151TA1937</a>
	38	68	No	6826/6832RT, SJ6832RTE, 6826/6832	<a href="#">151TA1949</a>

## LOCKING PINS

 <ul style="list-style-type: none"> <li>· Diameter pin: 3/8"</li> <li>· Total length: 2 1/4"</li> </ul> <p>Used on SJ9241/9250RT, SJ8831/8841RT, SJM SERIES, SJII SERIES, SJ63AJ, SJ9250RT, 9250</p> <p><b>REF <a href="#">145TA1959</a></b></p>	 <ul style="list-style-type: none"> <li>· Diameter pin: 3/8"</li> <li>· Total length: 2 5/8"</li> <li>· Length tether: 5/8"</li> </ul> <p>Used on SJ9241/9250RT, SJ8831/8841RT, SJ9250RT, 9250, SJ9241/50, SJ9241/50RT</p> <p><b>REF <a href="#">151TA2058</a></b></p>
 <ul style="list-style-type: none"> <li>· Diameter pin: 3/8"</li> <li>· Total length: 1 11/16"</li> <li>· Thread: 5/8" UNC</li> </ul> <p>Used on SJ9241/9250RT, SJ8831/8841RT, SJII SERIES, SJ9250RT, SJ8831/41E</p> <p><b>REF <a href="#">151TA2219</a></b></p>	



## PRESSURE SPRINGS



- Outer diameter: 31,3 mm
- Length: 104 mm

Used on SJM SERIES, 9250, SJ9250, SJ9241/50, 6826/6832, 3220/3226, 3220/4632, CIMPACT 3015/3219 SJIII

**REF [164TA1162](#)**



- Outer diameter: 27,48 mm
- Length: 36,78 mm

Used on SJ8831/8841RT, SJII SERIES, SJM SERIES, SJ82/86T, SJ9250, 9250, SJ9241/50, SJ8831/41E, SJ8831/41RT, 6826/6832RT

**REF [164TA1168](#)**



## HANDSET



- Controller brand: Trionic
- Controller types: multiple
- Types: ICE/electric machines
- Serial communication
- Type of connector: 4-pins

Used on SJ9241/9250RT, SJ8831/8841RT, SJ9250RT, SJ8831/41RT, SJ6826/6832RT

REF [151TA2225](#)



USED ON  
**SNORKEL**



## ELECTRONIC JOYSTICKS



Dual-axis  
Used on SL15, SL20, SL25  
**REF [165TA4411](#)**



Single-axis  
Used on S1930E, S1932E  
**REF [145TA3100](#)**



Single-axis  
Used on SL15, SL19, SL20,  
SL25, S2033, S2545  
**REF [145TA3094](#)**



Single-axis  
Used on SL26SL, SL30SL, A38E,  
X26N, M2032, M2639-J, AB38  
**REF [161TA2140](#)**



Single-axis  
Used on S3370BE, S2770RT,  
SR2770, SRT2670, SR2584,  
SR3284, SR4084, SLH2584HD,  
SLH3284HD, SLH40  
**REF [145TA3092](#)**



Single-axis  
Used on S1930, SL19E, S2646,  
S3246  
**REF [164TA5323](#)**



Single-axis  
Used on TB37  
**REF [165TA4412](#)**



Lift swing  
Used on PRO100, PRO126,  
TB120, TB100J, TB126J  
**REF [165TA4413](#)**



## ELECTRONIC JOYSTICKS



Controller

REF [165TA4414](#)



Controller extend and retract

Used on PRO100, PRO126,  
TB120, TB100J, TB126J

REF [165TA4417](#)



Single-axis

REF [126TA5262](#)

**Depends on type and  
serial n°, for more info  
contact your sales advisor.**



Single-axis

Used on A46JRT

REF [165TA4418](#)



Dual-axis

Used on TB80, TB80J, TB85J,  
TBA60, TB60, PRO66, TB66J,  
ATB60, AB60J, PRO100, PRO126,  
TB120, TB100J, TB 126J, SP17,  
SP18

REF [165TA4415](#)



Dual-axis

Used on ATB42, ATB50, ATB46E,  
ATB46N, AB46J, AB50J

REF [145TA3110](#)



Dual-axis

Used on ATB42, ATB50, ATB46E,  
ATB46N, AB46J, AB50J

REF [165TA4416](#)





## CONTROL BOXES



Upper control box  
Used on SL15, SL19, SL20, SL25  
**REF [165TA4419](#)**



Lower control panel  
Used on A38E, X26N, AB38  
**REF [165TA4421](#)**



Upper control box  
Used on S2646, S3246  
**REF [165TA4420](#)**





## MOTOR CONTROLLERS



- Voltage: 24 V
- Current: 360 A

Used on S2646, S3246

**REF [165TA4422](#)**



- Voltage: 24 V
- Current: 360 A
- With extra relay

Used on S1930, SL19E

**REF [165TA4424](#)**



- Voltage: 24–36 V
- Current: 275 A

Used on X26N

**REF [161TA2059](#)**



- Voltage: 48 V (pump controller)
- Current: 600 A

Used on AB46E, A46JE

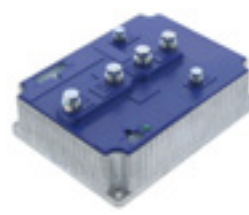
**REF [165TA4425](#)**



- Voltage: 24–48 VDC (motor controller)
- Current: 275 A

Used on AB38, AB38E

**REF [164TA7465](#)**



- Voltage: 48 V (motor controller)
- Current: 500 A

Used on AB46E, A46JE

**REF [165TA4426](#)**



- Voltage: 24–48 V (Sevcon controller)
- Current: 270 A

Used on SEC153, SE133/SE153

**REF [165TA4423](#)**



## PRINTED CIRCUIT BOARDS



Overload module CE



Circuit board



Circuit board



Control card



Dampner



ECU box (with printed circuit board)



EV10 traction panel



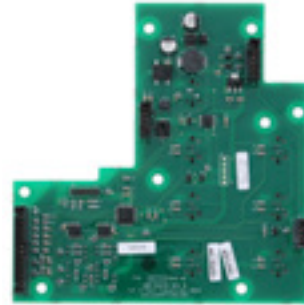
LCD screen pgtronix



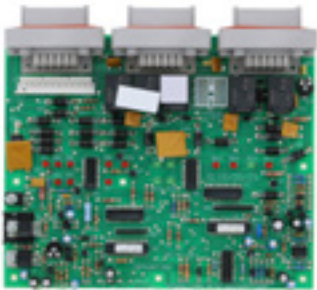
## PRINTED CIRCUIT BOARDS



Module control



Printed circuit board assy (platform controller)



Resistor module dual



Matrix module



Circuit board

Although these electronic cards may resemble the one fitted on your mobile elevating work platform there can be a big difference. Therefore we always ask you to supply us with part number or full vehicle details before ordering a similar unit.

This is just a small selection of our electronic boards. For all other types, please feel free to call us!



## AUTOMATIC FUSES



- Type fuse: with push button
- Voltage: 32 VDC
- Current: 25 A

REF [141TA1427](#)



- Type fuse: with push button
- Voltage: 50 VDC
- Current: 10 A

REF [122TA7782](#)



- Type fuse: with push button
- Voltage: 50 VDC
- Current: 15 A

REF [122TA7783](#)



- Type fuse: with push button
- Voltage: 50 VDC
- Current: 20 A

Used on S3370BE/S2770RT, SR2584/SR3284/SR4084, SLH2584HD/SLH3284HD/SLH40, MHP15/44, MHP13/35, EPV12J, MHP15J, SR2770, MHP16/47

REF [122TA7784](#)



- Type fuse: with push button
- Voltage: 50 VDC
- Current: 3 A

Used on AB85RJ, AB60JRT, AB80J-AB85®J-A80J-A, TBA50RD, SL A27/A35, TB80

REF [151TA2026](#)



## RELAYS



- Type of relay: general purpose and power relay
- Voltage: 12 V
- Type of voltage: DC
- Current: 10 A

Used on A46JRT

**REF [124TA4686](#)**



- Type of relay: general purpose and power relay
- Voltage: 12 V
- Type of voltage: DC
- Current: 10 A

Used on A46JE, A46JRT

**REF [122TA7891](#)**



- Type of relay: general purpose and power relay
- Voltage: 12 V
- Type of voltage: DC
- Current: 10 A

Used on S3370BE/S2770RT, SR2584/SR3284/SR4084, SLH2584HD/SLH3284HD/SLH40, SR2770, SRT2670

**REF [128TA3014](#)**



- Type of relay: general purpose and power relay
- Voltage: 12 V
- Type of voltage: DC
- Current: 10 A

Used on TBA50RD, SL A27/35, UNO33D/G 4X4, UNO41D/G

**REF [122TA7898](#)**



- Type of relay: mini-relay
- Voltage: 12 V
- Type of voltage: DC
- Current: 40/30 A

Used on AB80J-AB85(R) J-A80J-A, A46JRT, TBA50RD, SL A27/A35, ATB60

**REF [116TA5661](#)**



- Type of relay: mini-relay
- Voltage: 12 V
- Type of voltage: DC
- Current: 40/30 A

Used on SS370BE/S2770RT, SR2584/SR3284/SE4084, SLH2584HD/SLH3284HD/SLH40, S2646/S3246, S1930, ATB42-50, ATB46E

**REF [136TA8355](#)**



- Type of relay: mini-relay
- Voltage: 12 V
- Type of voltage: DC
- Current: 70 A

Used on AB50JRT, ATB42-50, UNO33D/G 4X4, UNO33/ UNO41G, TBA80, UNO41D/G 4X4

**REF [131TA2657](#)**



CONTACTORS						
	Voltage V	Maximum current uninterrupted A	Magnetic blowouts	Dust cover	Used on	REF
	24		Yes		WILDCAT 300SE, BARECAT SERIES, SL15, SL20, SL25	<a href="#">103TA1619</a>
	24		Yes		UNO41E, UNO33E, SL25	<a href="#">111TA3539</a>
	24	120	No		A38E, AB38	<a href="#">152TA2169</a>
	24	200	No	Enclosed version	S3370BE/ S2770RT, S1930E/ S1932E, S2646/S3246	<a href="#">111TA4054</a>
	36-48		No		UNO41E, UNO33E	<a href="#">106TA2088</a>
	48		No		A38E, A38	<a href="#">164TA7104</a>
	24	200	Not specified	Enclosed version	S1930, SL19E	<a href="#">106TA1645</a>

## ENCODER



- Shaft length: 13 mm
- Number of pins: 2

Used on A38E, AB38

REF [164TA7446](#)





## CABLE LOOMS



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 12 m
- Number of plugs: 4

REF [164TA7334](#)



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 11,4 m
- Number of plugs: 2

Used on SL20, SL19, S2033

REF [165TA4428](#)



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 670 mm
- Number of plugs: 6

Used on S1930E/S1932E

REF [165TA4427](#)



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 1870 mm
- Number of plugs: 2

Used on SL26SL/SL30SL

REF [165TA4429](#)



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 2550 mm
- Number of plugs: 6

Used on TM12, M1230E

REF [164TA7335](#)

## CONTROL CABLE



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 3100 mm
- Number of plugs: 3

REF [165TA4430](#)





## HORNS



- Volume: 112 dB
- Voltage: 24 V
- Type of mounting: straight bracket
- Diameter: 90 mm

Used on SPM20, X26N, TM12, M2032/2639-J, M1230E

REF [126TA6165](#)

**E-approved**



- Volume: 114 dB
- Voltage: 36–38 V
- Type of mounting: straight bracket
- Diameter: 90 mm

Used on A38E, AB38

REF [111TA3928](#)

**E-approved**

## BUZZERS/BACK-UP ALARMS



- Voltage: 12 V
- Volume: 102 dB

Used on SL15, SL25, SL20

REF [164TA7086](#)

**SAE-approved**



- Voltage: 12–48 V
- Volume: 80 dB

Used on S1930E/S1932E, S2646/S3246, S1930, SL19E

REF [139TA5212](#)



- Voltage: 6–30 V
- Volume: 90 dB

Used on SL26SL/SL30SL, SPM20, A38E, X26N, TM12, M2032/2639-J, M1230E

REF [128TA3427](#)



- Voltage: 9–48 V
- Volume: 97 dB

Used on AB50JRT, AB46E, AB46RT, A46JE, ATB42-50, UNO33D/G 4X4, UNO41D/G

REF [165TA4432](#)

## HOUSING CONNECTORS



- Biggest diameter: 31 mm
- Smallest diameter: 28 mm
- Height: 38 mm
- Number of connecting holes: 14 female

REF [165TA4431](#)




- Biggest diameter: 42 mm
- Smallest diameter: 39 mm
- Height: 42 mm
- Number of connecting holes: 14 female




Used on S1930E/S1932E, SL15, SL19, SL20, SL5, SL19E, S2033, S2545

REF [165TA4046](#)



ELECTRIC MOTORS						
	Minimum voltage V	Current A	Revolutions/ minute Rpm	Power kW	Used on	REF
	24	162	3600	3,1	SL15, SL25	<a href="#">165TA4433</a>
	24	162	3600	3	SL19, SL19E, SL20, SL25, S1930	<a href="#">165TA4434</a>
	48				A38E, AB38	<a href="#">164TA7129</a>
	24	162	3600	3,09	SL20	<a href="#">150TA9959</a>
	48		1000	4	A38E, AB38	<a href="#">164TA7130</a>
	24	162	3600	3,1	SL15	<a href="#">122TA7776</a>



ELECTRIC MOTORS						
	Minimum voltage V	Current A	Revolutions/ minute Rpm	Power kW	Used on	REF
	48	108	2700	5,45		<a href="#">164TA7128</a>
	24	180	3100	3	TM12, M1230e	<a href="#">165TA4435</a>
	48	40	2700	1,6	UNO41E, UNO33E	<a href="#">122TA7775</a>

REDUCTOR HUBS	
 <p>Diameter: 242 mm Used on A46JRT REF <a href="#">165TA4436</a></p>	 <p>Diameter: 242 mm Used on A38E, AB38 REF <a href="#">164TA7496</a></p>



## BATTERY DISCONNECT SWITCHES



- Voltage: 6 – 36 VDC
- Current: 800 A
- Quantity of poles: 2

Used on SL26SL/SL30SL, S3370BE/S2770RT, AB80J-AB85(R)J-A80J-A, A46JRT, SR3370/SR2770, S1930E/S1932E

**REF [146TA9930](#)**



- Voltage: 6 – 12 – 24 – 36 VDC
- Current: 175 A
- Quantity of poles: 2

Used on A46JRT, UNO41E, UNO33E, AB38J, PRO100, PRO126, TB120

**REF [165TA4437](#)**

## MUSHROOMHEAD PUSH BUTTONS



- Built-in diameter: 22 mm
- Diameter knob: 40 mm

Used on AB46E, AB46RT, S3370BE/S2770RT, A46JE, A46JRT, WILDCAT 3000SE, BARECAT SERIES, SL15

**REF [160TA3323](#)**



- Built-in diameter: 22 mm
- Diameter knob: 40 mm

Used on AB46E, A46JE, S1930E/S1932E

**REF [164TA7628](#)**

## PUSH BUTTON



- Diameter: 39 mm
- Length: 28 mm
- Button colour: black

Used on S3370BE/S2770RT, SR2584/SR3284/SR4084, SLH2584HD/SLH3284HD/SLH40, SL19, SL20, SL25, S2033

**REF [138TA7153](#)**

## CONTACT BLOCK



- Voltage: 600 VDC
- Current: 10 A
- Number of NO contacts: 2

Used on Barecat, S1930E/S1932E, SL15, SL19, SL20, SL25, TV15/TV20/TV25, S2646/S3246, S2545

**REF [146TA7892](#)**

## ROTARY SWITCH



- Number of positions: 2
- Voltage: 240 V
- Current: 10 A
- Built-in dimensions: 40 x 30 mm

Used on S3370BE/S2770RT, SR2584/SR3284/SR4084, SLH2584HD/SLH3284HD/SLH40, SR2770, SRT2670

**REF [164TA7616](#)**

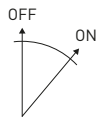


## IGNITION SWITCHES



- Number of connections: 2
- Number of positions: 2
- Built-in diameter: 19 mm

Used on Barecat, S1930E/S1932E, SL15, SL19, SL20, SL25, TV15/TV20/TV25, S2646/S3246, S2545

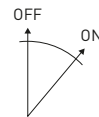


**REF [165TA4438](#)**



- Number of connections: 3
- Number of positions: 2
- Built-in diameter: 17 mm

Used on X26N, M-2032/2639-J, A38E, AB38

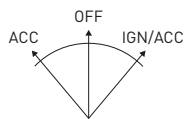


**REF [164TA7402](#)**



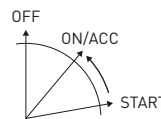
- Number of connections: 3
- Number of positions: 3
- Built-in diameter: 19 mm

**REF [141TA2635](#)**



- Number of connections: 3
- Number of positions: 3
- Built-in diameter: 20 mm

Used on S3370BE/S2770RT, AB80J-AB85(R)J-A80J-A, SR2584/SR3284/SR4084, SLH2584HD/SLH3284HD/SLH40, ATB60, ATB42-50, UNO33D/G 4X4, UNO33D/G, UNO41D/G



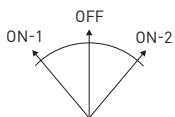
**REF [141TA2560](#)**



- Number of connections: 4
- Number of positions: 3
- Built-in diameter: 21,5 mm

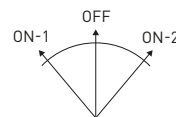
Used on S1930E/S1932E

**REF [165TA4439](#)**



- Number of connections: 4
- Number of positions: 3
- Built-in diameter: 22 mm

Used on PR0100/PR0126, ATB60, TB60, TB60, A46JE, A46JRT, S1930E/S1932E



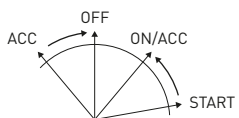
**REF [110TA3077](#)**



- Number of connections: 4
- Number of positions: 4
- Built-in diameter: 19 mm

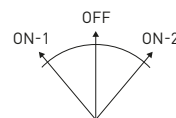
Used on AB80J-AB85(R) J-A80J-A, A46JRT, TBA50RD, SL A27/A35, UNO41 4X4, UNO33D/G 4X4, UNO41D/G

**REF [126TA5997](#)**



- Number of connections: 4
- Number of positions: 3
- Built-in diameter: 22 mm

Used on S3370BE/S2770RT, SL20, S2646/S3246, SR2770



**REF [165TA4440](#)**



## KEYS



- Key number: 231
- Number of supplied keys: 2

Used on S1930E/S1932E

**REF [165TA4441](#)**



- Key number: 455
- Number of supplied keys: 1

**REF [110TA3210](#)**



- Key number: 001
- Number of supplied keys: 1

Used on X26N, M-2032/2639-J

**REF [164TA7595](#)**



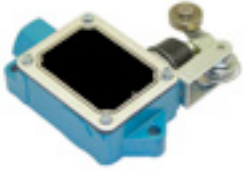
- Key number: 523
- Number of supplied keys: 1

Used on SR2584/SR3284/  
SR4084, SLH2584HD/  
SLH3284HD/SLH40, UNO33D/G  
4X4, UNO41D/G, TB80J/TB85J

**REF [165TA4442](#)**



## LIMIT SWITCHES



- Number of CO contacts: 2
- Current: 10 A

Used on AB80J-AB85(R)  
J-A80J-A, A46JE, TB80J/TB85J,  
TBA60, TB42/TB50, TB66J,  
PRO66

**REF [146TA9939](#)**



- Number of CO contacts: 2
- Current: 3 A

Used on ATB60, UNO-41 4X4,  
UNO33D/UNO33G, UNO33G/  
UNO41G, UNO41D/G, UNO41E

**REF [147TA5763](#)**



- Number of NO contacts: 1
- Number of CO contacts: 1
- Current: 6 A

Used on S3370BE/S2770RT,  
EPV16, MHP15/44, MHP13/35,  
SR3370/SR2770

**REF [147TA2178](#)**



- Number of NO contacts: 1
- Number of CO contacts: 1
- Current: 10 A

Used on AB80J-AB85(R)  
J-A80J-A, A46JE, A46JRT, SL20,  
ATB42-50, AB38J, ATB46E

**REF [147TA1774](#)**



- Number of NO contacts: 1
- Number of CO contacts: 1
- Current: 3 A

Used on S1930E/S1932E,  
S2646/S3246, S1930

**REF [147TA5255](#)**

## PRESSURE CONTACT



- Thread: 1/8" BSP conical
- Connection: fixed fiche
- Switch mode: normally closed
- Pressure range: 0,6 bar
- Length: 63 mm

Used on SL26SL/SL30SL

**REF [165TA4443](#)**

## KNOB



- Diameter: 39,2 mm
- Length: 40,5 mm
- Height: 20,8 mm

Used on A46JE, A46JRT

**REF [165TA4444](#)**





## TOGGLE SWITCHES



- Number of connections: 12
- Voltage: 125/277 V
- Current: 15 A

Used on AB80J-AB85(R)  
J-A80J-A, SL15, SL A27/A35,  
SL25

**REF [146TA5684](#)**



- Number of connections: 3
- Voltage: 125/250 V
- Current: 12 A

Used on AB85RJ,  
AB80J-AB85(R)J-A80J-A,  
S3370BE/S2770RT, WILDCAT  
3000SE

**REF [106TA1443](#)**



- Number of connections: 4
- Voltage: 125/250 V
- Current: 10 A

Used on ATB46E, AB46J

**REF [146TA9933](#)**



- Number of connections: 6
- Voltage: 125/250 V
- Current: 12 A

Used on SL15, SL20, ATB42-50,  
ATB46N

**REF [146TA9934](#)**



- Number of connections: 6
- Voltage: 125/250 V
- Current: 12 A

Used on EPV16, AB80J-AB85(R)  
J-A80J-A, ATB60, ATB42-50,  
UNO41 4X4, UNO33D/G 4X4

**REF [128TA3038](#)**



- Number of connections: 6
- Voltage: 125/250 V
- Current: 12 A

**REF [126TA5388](#)**



- Number of connections: 6
- Voltage: 125/277 V
- Current: 10 A

Used on S3370BE/S2770RT,  
EPV16, A46JE, A46JRT,  
TBA50RD, SL15

**REF [127TA2721](#)**



- Number of connections: 6
- Voltage: 125/277 V
- Current: 10 A

Used on UNO41 4X4, UNO33D/G  
4X4, UNO41D/G, UNO41E,  
UNO33E

**REF [146TA5677](#)**



## TOGGLE SWITCHES



- Number of connections: 6
- Voltage: 125/277 V
- Current: 15 A

Used on S3370BE/S2770RT, EPV16, SL15, SR2584/SR3284/SR4084, SLH2584HD, SLH3284HD, SLH40

**REF [128TA3039](#)**



- Number of connections: 3
- Voltage: 125/277 V
- Current: 10 A

Used on A38E, AB80J-AB85(R) J-A80J-A, A46JE, A46JRT, TB80, TBA50RD, TB80J/TB85J

**REF [123TA7602](#)**



- Number of connections: 3
- Voltage: 125/250 V
- Current: 12 A

Used on S1930E/S1932E, SL15, SL20, SL25

**REF [146TA1783](#)**



- Number of connections: 6
- Voltage: 125/250 V
- Current: 10 A

Used on AB80J-AB85(R) J-A80J-A, TBA50RD, SR2584/SR3284/SR4084, SLH2584HD/SLH3284HD/SLH40, ATB60, SL A27/A35, UNO41 4X4, UNO33D/G 4X4

**REF [151TA2426](#)**

## SWITCH ROCKER



- Number of connections: 4
- Total length: 115 mm
- Width: 36 mm

Used on A38E, 2032/2639-J, AB38

**REF [127TA2750](#)**

## SWITCH ACCESSORY



Cover toggle switch

Used on S3370BE/S2770RT, SL15, SR2584/SR3284/SR4084, SLH2584HD/SLH3284HD/SLH40, SLH SERIES

**REF [151TA2363](#)**

## FOOT SWITCH



Used on AB80J-AB85(R) J-A80J-A, EPV16, A46JE, A46JRT, SL A27/A35, SL25, UNO41 4X4

**REF [165TA4445](#)**



## LEVEL SENSOR



- Diameter: 43 mm
- Height: 12,7 mm

Used on TV15/TV20/TV25, SR2584/SR3284/SR4084, SLH2584HD/SLH3284HD/SLH40

**REF [161TA2024](#)**

## TILT SENSORS



- Diameter: 96,8 mm
- Height: 116,8 mm
- Voltage: 7-48 VDC
- Detection: 2°

Used on SL15, SL19, SL20

**REF [160TA3914](#)**



- Diameter: 96,8 mm
- Height: 116,8 mm
- Voltage: 7-48 VDC
- Detection: 2°

Used on SL19E, SL20, SL25

**REF [165TA4446](#)**



- Diameter: 84 mm
- Height: 60 mm
- Voltage: 24 V
- Detection: 3°

Used on A38E

**REF [164TA7572](#)**

## LOAD CELL



- Length cable: 3000 mm
- Length: 145 mm
- Width: 25 mm
- Diameter holes: 11 mm

Used on AB80J-AB85(R) J-A80J-A

**REF [164TA7565](#)**

## ANGLE SENSOR



- Length: 103 mm
- Width: 32 mm
- Height: 37,5 mm

Used on S1930E/S1932E, S2646/S3246, SL26SL/SL30SL, X26N

**REF [164TA7125](#)**



## PROXIMITY SENSORS



- Length: 82 mm
- Height: 19 mm
- Voltage: 250/300 V

Used on X26N, M2032/2639-J, S1930E/S1932E

**REF [164TA7586](#)**



- Length: 54 mm
- Height: 32 mm
- Voltage: 100 V

Used on S3370BE/S2770RT, SR2584/SR3284/SR4084, SLH284HD/SLH3284HD/SLH40, SR2770, SRT2670, SP17/SP18

**REF [164TA7569](#)**

## PRESSURE CONTACT



- Thread: 9/16" UNF
- Connection: 2 x screw connection
- Switch mode: multiple, different or with signal
- Pressure range: 20–100 bar
- Length: 68 mm

Used on TB80J/TB85J, PRO100, PRO126, TB80, TB100J, TB120, TB126

**REF [165TA4447](#)**



## BATTERY DISCHARGE INDICATORS

**CURTIS** 



- Voltage: 24 V
- Built-in diameter: 52 mm

Used on S1930E/S1932E, SL15, SL20, SL25, S2646/S3246

REF [165TA4448](#)



- Voltage: 48 V
- Built-in diameter: 51,5 mm

Used on UN041E, UN033E

REF [165TA4449](#)

## METER DASHBOARD



- Ammeter: 0-30 A
- Built-in diameter: 50,5 mm

Used on SL15, SL19, SL19E, S2033, S2545

REF [161TA1555](#)



## CARTRIDGES WITH COIL



- Voltage: 18 V
- AC/DC: DC
- Resistance: 15,5 Ω
- Diameter: 13,3 mm

Used on TM12, M2032/2639-J, M1230E

**REF [165TA4450](#)**



- Voltage: 24 V
- AC/DC: DC
- Thread: 1" SLW
- Length: 120 mm

Used on S1930E/S1932E, S1930, SL19E

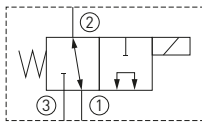
**REF [165TA4452](#)**

Cartridges exist in a variety of dimensions and wiring diagrams. When placing an order, always provide the necessary info with regard to the wiring diagram, as cartridges may have identical dimensions yet be connected in different ways.

## CARTRIDGE VALVES



- Width across flats: 22,2 mm
- Length: 107 mm
- Diameter: 13 mm

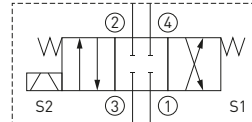


Used on TB42/TB50, TB37, ATB60

**REF [165TA4451](#)**



- Width across flats: 22,2 mm
- Length: 140 mm
- Diameter: 16 mm

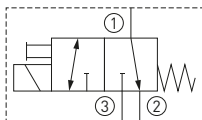


Used on TB42/TB50, TB37, ATB60

**REF [165TA4453](#)**



- Width across flats: 22,4 mm
- Length: 106,1 mm
- Diameter: 15,8 mm



Used on AB80J-AB85(R) J-A80J-A, UNO41D/UNO41G, UNO33D/G 4X4, UNO41D/G, UNO33D/G, TB80J/TB85J, TBA60

**REF [139TA5139](#)**



## VALVE



- Thread: 1" SLW
- Length: 81,5 mm

Used on TB80J/TB85J, TBA60, TB42/TB50, TB60, PRO66

REF [165TA4454](#)

## PRESSURE VALVES (FLOW)



- Thread: M20 x 1,5 mm
- Length: 87 mm

Used on A38E, M2032/2639-J, A38E, AB38

REF [164TA7704](#)



- Thread: 1 5/16" UNF
- Length: 57 mm

Used on UNO33D/G 4X4, UNO41D/G 4X4, AB80J-AB85(R) J-A80J-A, TB80J/TB85J, TBA60, TB60, PRO66, TB66J

REF [165TA4455](#)

## EMERGENCY VALVES



- Thread: 3/4" UNF
- Length: 24 mm

Used on A38E, M2032/2639-J, A38E, AB38

REF [164TA7703](#)



- Thread: 3/4" UNF
- Length: 66,6 mm

REF [165TA4456](#)





## COIL CARTRIDGE VALVES



- Voltage: 10 V
- AC/DC: DC
- Resistance: 7,3  $\Omega$
- Diameter: 33 mm

Used on AB60JRT, UNO41D/G, UNO33D/G, TB80J/TB85J, TBA60

**REF [131TA8387](#)**



- Voltage: 12 V
- AC/DC: DC
- Resistance: 5,3  $\Omega$
- Diameter: 24 mm

Used on ATB42-50, UNO33D/G 4X4, UNO41D/G, UNO41E, TBA60,0TB60, PRO66

**REF [165TA4460](#)**



- Voltage: 12 V
- AC/DC: DC
- Resistance: 9,4  $\Omega$
- Diameter: 36 mm

Used on AB46E, AB46RT, A46JE, A46JRT

**REF [165TA4457](#)**



- Voltage: 24 V
- AC/DC: DC
- Resistance: 29,1  $\Omega$
- Diameter: 43,8 mm

Used on S1930, SL19E

**REF [165TA4461](#)**

## FITTINGS FOR HYDRAULIC CIRCUITS



- Male and female
- Elbow 90°
- Inner thread: 9/16" JIC
- Outer thread: 9/16" JIC

Used on AB80J-AB85(R) J-A80J-A, A46JRT, S1930E/S1932E

**REF [165TA4458](#)**



- Straight male
- Thread: 9/16" JIC-9/16" UNF

Used on TM12, M1230E, AB80J-AB85(R)J-A80J-A, EPV16

**REF [107TA3668](#)**

## CARTRIDGE VALVE



Used on TB80J/TB85J, TBA60, PRO66, PRO100, TB66J, TB60, TB80, ATB60, AB60J

**REF [165TA4459](#)**



## HYDRAULIC CYLINDERS



- Steer/brake cylinder
- Total measured length: 248 mm
- Diameter tube: 65,4 mm
- Diameter rod: 20 mm

Used on M1230E

REF [165TA4468](#)



- Steer cylinder
- Total measured length: 510 mm
- Diameter tube: 48 mm
- Diameter rod: 16 mm

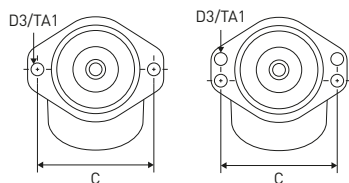
Used on S2646/S3246

REF [165TA4469](#)

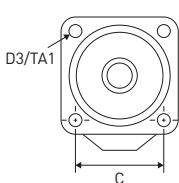
## HYDRAULIC MOTORS

### Type of flange

Type A



Type C



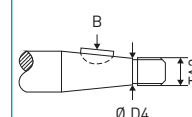
Type S  
Special shape,  
none of the  
previous types

### Type of shaft

Type B



Type E



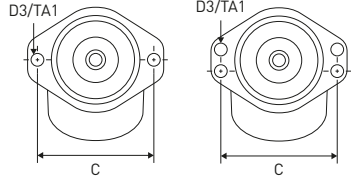
	Thread connection Inch	Type of flange	Type of shaft	Total length mm	Used on	REF
	1 1/16 UNF + 7/16 UNF	C	E	389	SR3370/SR2770, S3370BE/S2770RT	<a href="#">165TA4462</a>
	1 1/16 UNF + 9/16 UNF	A	B	305	TBA60, TB42/TB50, PRO66, TB37, TBA50RD	<a href="#">165TA4463</a>
	1 1/16 UNF	C	E	335	S3370BE/S2770RT, S3370/S2770	<a href="#">165TA4464</a>



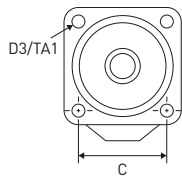
## HYDRAULIC MOTORS

### Type of flange

Type A



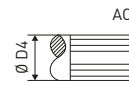
Type C



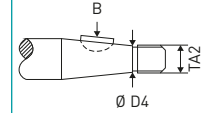
Type S  
Special shape,  
none of the  
previous types

### Type of shaft

Type B






Type E



	Thread connection Inch	Type of flange	Type of shaft	Total length mm	Used on	REF
	7/8 UNF	C	E	319		<a href="#">131TA6819</a>
	7/8 UNF	C	E	205	S1930E/S1932E, SL19E, S1930	<a href="#">165TA4465</a>
	9/16 UNF	S	E	205	TM12, M1230E	<a href="#">164TA7258</a>
	7/8 UNF	C	E	299	S2646/S3246	<a href="#">165TA4466</a>
	7/16 UNF	S	B	431	A46JE, A46JRT	<a href="#">165TA4467</a>



HYDRAULIC PUMPS						
	Total length	Neck diameter	Direction of rotation	Material of housing	Used on	REF
	mm	mm				
	121	45,2	CCW	Aluminium	S1930E/S1932E	<a href="#">165TA4470</a>
	164	82,5	CW	Aluminium	A46JRT	<a href="#">165TA4471</a>
	79	32	CW	Aluminium		<a href="#">165TA4472</a>
	96	51	CW	Aluminium	SL15, SL25, ATB46E, ATB33/ATB38	<a href="#">165TA4473</a>
	119,5	50,8	CW	Aluminium	S1930	<a href="#">165TA4474</a>
	103	45,2	CCW	Aluminium	TM12, M1230E	<a href="#">165TA4475</a>



HYDRAULIC PUMP GROUPS				
	Electric motor VDC	Power kW	Used on	REF
	12	0,24	TB37, PR0126	<a href="#">165TA4476</a>
	12	0,24	TB66J, ATB60, TB60, TB00J, TB126J	<a href="#">165TA4477</a>
	24		S1930/S1932E	<a href="#">165TA4478</a>
	24		TM12, M1230E	<a href="#">165TA4479</a>



## ENGINE STOP SOLENOIDS



- Voltage: 12 V
- Type of current: DC
- Function: pull
- Mounting side: both sides
- Length: 245 mm

Used on UN041D/G, UN033D/G, TBA40/TBA40N, TB80J/TB85J, TBA80, TBA60

**REF [165TA4480](#)**



- Voltage: 12 V
- Type of current: DC
- Function: pull
- Mounting side: both sides
- Length: 135 mm

**REF [165TA4481](#)**



- Voltage: 12 V
- Type of current: DC
- Function: pull
- Mounting side: both sides
- Length: 160,5 mm

**REF [122TA7873](#)**



- Voltage: 12 V
- Type of current: DC
- Function: pull
- Mounting side: both sides
- Length: 196 mm

Used on TB80J/TB85J

**REF [122TA7879](#)**

## STARTER



- Voltage: 12 V
- Power: 2,7 kW
- Number of teeth: 11

**REF [160TA4078](#)**



## BALL JOINT



- Type of rod end: inner thread
- Length: 32 mm
- Thread: 1/4" UNF
- RH/LH thread: RH

REF [105TA1476](#)

## BALL JOINT ROD ENDS



- Outer diameter: 18,7 mm
- Inner diameter: 6,4 mm
- Height: 22 mm

Used on A46JRT

REF [164TA7513](#)



- Outer diameter: 19,2 mm
- Inner diameter: 6,3 mm
- Height: 30,3 mm

Used on SL26SL/SL30SL, S3370BE/S2770RT, SR2584/SR3284/SR4084, SLH2584HD/SLH3284HD/SLH40, SL25

REF [160TA9198](#)

## HUB WHEEL



- Total height: 37 mm
- Conical mounting holes: diameter 27-31 mm
- Number of holes: 5

Used on S1930E/S1932E

REF [165TA4482](#)

## HYDRAULIC BRAKE CALIPER



Used on UN033E, UN041E

REF [165TA4483](#)





## DOOR HANDLES



- Length: 125 mm
- Width: 41,5 mm
- Height: 20 mm

Used on A38E, AV38

**REF [164TA7301](#)**



- Length: 93 mm
- Width: 47 mm
- Height: 58 mm

Used on AB80J-AB85(R)  
J-A80J-A, S1930E/S1932E,  
SL19E, SL20, S2646/S3246,  
S1930

**REF [126TA5894](#) - RH**



- Length: 95 mm
- Width: 42 mm
- Height: 60 mm

Used on AB80J-AB85(R)  
J-A80J-A, S1930E/S1932E,  
SL19E, SL20, S2646/S3246,  
S1930

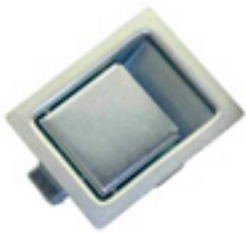
**REF [127TA2695](#) - LH**



- Length: 120 mm
- Width: 30 mm
- Height: 60 mm

Used on SL26SL/SL30SL,  
S3370BE/S2770RT, S3370BE/  
S2770RT, SR3370/SR2770,  
SP17/SP18, SRT2670

**REF [164TA7290](#)**



- Length: 84 mm
- Width: 67 mm

Used on TM12, M1230E

**REF [164TA7298](#)**



- Length: 93 mm
- Width: 69,5 mm

Used on S1930E/S1932E

**REF [165TA4484](#)**



Length: 102 mm

Used on TM12, M1230E

**REF [164TA7296](#)**



## HINGES



- Length: 77 mm
- Width: 70 mm
- Height: 29 mm
- Diameter holes: 3/16"

Used on S3370BE/S2770RT,  
SR3370/SR2770, SRT2670

**REF [165TA4485](#)**



- Length: 71 mm
- Width: 78 mm
- Height: 24 mm
- Diameter holes: 3/16"

Used on S1930E/S1932E

**REF [164TA7305](#)**

## STOP LEVER



- Length: 127 mm
- Width: 39 mm
- Height: 41 mm

Used on X26N, S1930E/S1932E

**REF [164TA7094](#)**

## PULLEY MOUNTS



- Number of holes: 2
- Total length: 386 mm
- Material: metal

Used on S1930, S2646/S3246,  
SL19E

**REF [165TA4486](#)**



- Number of holes: 3
- Total length: 716 mm
- Material: metal

Used on S1930E/S1932E

**REF [165TA4487](#)**




- Number of holes: 2
- Total length: 663 mm
- Diameter: 35 mm
- Material: metal

Used on A38E

**REF [164TA7011](#)**



WEAR PADS				
	Length mm	Material	Used on	REF
	152,5	Plastic	TB80J/TB85J, TB42/TB50, TB60, PRO66, TB66J	<a href="#">165TA4488</a>
	152,5	Plastic	TB50RD, TB120, TB37, ATB60, TBA80, TBA60, TBA42/TBA50	<a href="#">165TA4489</a>
	127	Plastic	TM12, M1230E	<a href="#">164TA7195</a>

CABLE GUIDE	
 <ul style="list-style-type: none"> <li>· Outside dimensions: 90 x 35 mm</li> <li>· Inside dimensions: 77 x 26 mm</li> <li>· Material: plastic</li> </ul> <p>Used on UN033D/G 4X4, UN041E, UN033E, TB42/TB50, TB60, PRO66, TB66J</p> <p><b>REF <a href="#">165TA4490</a></b></p>	



CONTROL CABLES					
	Cable length mm	Diameter cable mm	Length sleeve mm	Used on	REF
	2800	2	2640	SL20, SL25, S2033, S2545	<a href="#">165TA4491</a>
	2170	2	2030	SL26SL/SL30SL	<a href="#">164TA7313</a>
	2230	2	2180	S3370BE/S2770RT	<a href="#">165TA4492</a>
	2354	2	2315	S3370BE/S2770RT, SR3370/SR2770	<a href="#">165TA4493</a>
	7050	2	6970	S3370BE/S2770RT, SR3370/SR2770	<a href="#">165TA4494</a>

**CAP**



- Vented
- For fuel tank

Used on SL26SL/SL30SL, S3370BE/S2770RT, SR2584/SR3284/SR4084

**REF [165TA4495](#)**





## DECALS



- Length: 150 mm
- Height: 63 mm

Used on SL26SL/SL30SL, A38E, TM12, M2032/2639-J

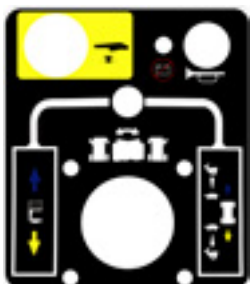
REF [138TA2758](#)



- Length: 167 mm
- Height: 107,5 mm

Used on A38E, X26N, TM12, M2032/2639-J, EPV16

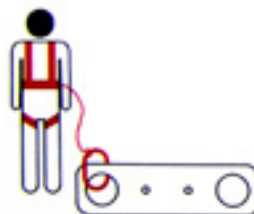
REF [163TA4279](#)



- Length: 162 mm
- Height: 188 mm

Used on TM12, M1230E

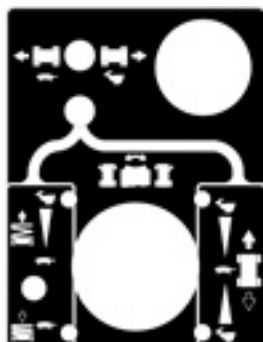
REF [163TA7504](#)



- Length: 50 mm
- Height: 50 mm

Used on SL26SL/SL30SL, A38E, X26N, TM12

REF [138TA2779](#)



- Length: 250 mm
- Height: 296 mm

Used on S1930E/S1932E

REF [165TA4499](#)



- Length: 342 mm
- Height: 115 mm

Used on AB80J-AB85(R)J-A80J-A, TBA50RD, TBA80, TB80

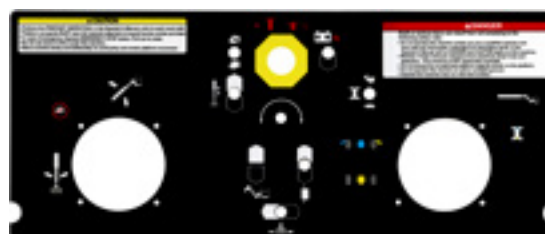
REF [162TA8784](#)



- Length: 551 mm
- Height: 246 mm

Used on TB80J/TB85J

REF [163TA5249](#)



- Length: 595 mm
- Height: 251 mm

Used on PRO66, TB66J

REF [165TA4500](#)



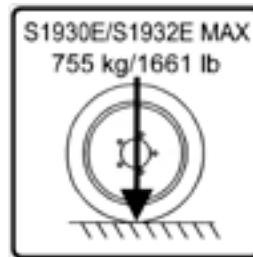
## DECALS



- Length: 597 mm
- Height: 252 mm

Used on AB60JRT, ATB60, AB60J

REF [162TA8789](#)



- Length: 50 mm
- Height: 50 mm

Used on S1930E/S1932E

REF [165TA4501](#)





## PNEUMATIC TYRE



- Dimensions: 950 x 16,5
- Ply rating: 10 PR
- Quality: tubeless

Used on UNO33D/G, UNO33E

**REF [164TA7024](#)**

## SOLID TYRE



- Dimensions: 16 x 5 x 8
- Rim width: 8"
- Non-marking

Used on SL25

**REF [165TA4505](#)**

## TRACTION WHEELS



- Diameter wheel: 305 mm
- Number of bolt holes: 5
- Width wheel: 100 mm
- Diameter shaft: 86 mm

Used on SL15, SL19, SL19E, S1930, TM12, M1230E, S1930E/S1932E

**REF [165TA4502](#)**



- Diameter wheel: 406,4 mm
- Number of bolt holes: 5
- Width wheel: 127 mm
- Diameter shaft: 86 mm

Used on SL20, S2033

**REF [164TA7724](#)**



- Diameter wheel: 406,4 mm
- Number of bolt holes: 5
- Width wheel: 127 mm
- Diameter shaft: 86 mm

Used on S2646/S3246

**REF [165TA4503](#)**



- Diameter wheel: 305 mm
- Number of bolt holes: 5
- Width wheel: 102 mm

**REF [165TA4506](#)**



- Diameter wheel: 304,8 mm
- Number of bolt holes: 2
- Width wheel: 101,6 mm
- Diameter shaft: 33,5 mm

Used on S1930E/S1932E

**REF [165TA4504](#)**



- Diameter wheel: 305 mm
- Number of bolt holes: 0
- Width wheel: 76 mm
- Diameter shaft: 27 mm

Used on M1230E

**REF [145TA9136](#)**



## HUB CAP



- Total length: 11,2 mm
- Inner diameter: 12 mm
- Outer diameter: 59,5 mm

Used on TM12, M1230E

**REF [164TA7090](#)**

## WHEEL BOLT



- Length: 38,3 mm
- Thread type: 1/2" UNF
- Imperial pitch: 20 Pi
- RH/LH: RH

**REF [164TA7733](#)**

## WHEEL NUT



- Type: cone head
- Thread: 9/16" UNF
- RH/LH: RH
- Pitch: 18 Pi
- Wrench opening: 1"

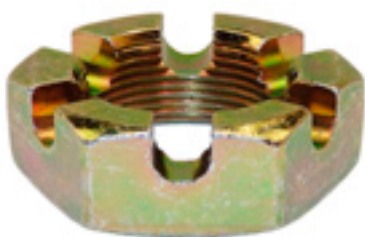
Used on ATB42-50, UN033D/G  
4X4, UN041D/G, TB42/TB50,  
TB60, PRO66,

**REF [104TA9936](#)**



AXLES/PINS					
	Diameter mm	Total length mm	Hardened	Used on	REF
	12,5	40,2	No	WILDCAT 3000E, BARECAT SERIES, SL15, SL19, SL20, SL25	<a href="#">165TA4507</a>
	15	56	Yes	S3370BE/S2770RT, SR3370/SR2770, SR2770	<a href="#">165TA4508</a>
	15,7	62,3	No	TM12, M1230E	<a href="#">165TA4509</a>
	19,1	127	No	M1230E	<a href="#">165TA4510</a>
	22	80,8	No	TM12, M1230E	<a href="#">164TA6995</a>
	22	110	No	TM12, M1230E	<a href="#">164TA7014</a>

## CASTELLATED NUT



- RH/LH thread: RH
- Thread type: 1" UNF
- Pitch: 20 Pi
- Number of slots: 6

Used on TM12, M1230E

REF [165TA4511](#)



## LOCKING PINS



- Diameter pin: 9,3 mm
- Length without cable: 72,5 mm
- Total length: 275 mm

Used on S3370BE/S2770RT,  
AB80J-AB85(R)J-A80J-A,  
S1930E/S1932E, SR3370/  
SR2770, SL25, S2646/S3246

**REF [164TA7208](#)**



- Diameter pin: 9,5 mm
- Total length: 72 mm

Used on TB120, TB37, SL20

**REF [165TA4512](#)**



## SERVICE HAND CONSOLE



Callibration/diagnostic tool

Used on TM12, M1230E

**REF [165TA4513](#)**



USED ON  
**TEUPEN**





## ELECTRONIC JOYSTICKS



Single-axis

**REF [163TA8155](#)**



Single-axis

Used on Leo 30T

**REF [163TA8133](#)**



Single-axis

Used on Leo 15GT, Leo 18GT

**REF [163TA8147](#)**



Single-axis

Used on Leo 18GT, Leo 23GT, Leo 25T

**REF [163TA8082](#)**



Single-axis

**REF [163TA8081](#)**

## BELLOW



- Biggest inner diameter top: 5,5 mm
- Biggest length of the bottom: 24,5 mm
- Total height: 55,5 mm

**REF [163TA8085](#)**

## ELECTRICITY CLOSET AND BOX



Length: 3000 mm

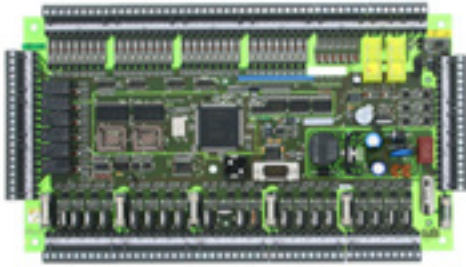
Used on Leo 23GT

**REF [163TA8153](#)**





## PRINTED CIRCUIT BOARD



Control board

Although this electronic card may resemble the one fitted on your mobile elevating work platform there can be a big difference. Therefore we always ask you to supply us with part number or full vehicle details before ordering a similar unit.

This is just a small selection of our electronic boards. For all other types, please feel free to call us!

## MOTOR CONTROLLER



- Voltage: 24–36 V
- Current: 300 A

**REF [163TA8157](#)**



## CABLE GLAND



- Length: 36 mm
- Diameter: 10,5 mm
- Size: PG11

REF [163TA8094](#)

## PLUG AND SOCKET TRAILERS



- Length: 47,8 mm
- Height: 38,4 mm
- Number of connector pins: 37

REF [163TA8161](#)



- Length: 88 mm
- Number of connector pins: 13

REF [163TA8144](#)

## HOUSING CONNECTORS



- Length: 45 mm
- Height: 41 mm
- Number of pins: 30

REF [163TA8135](#)



- Length: 44 mm
- Height: 49 mm
- Number of pins: 30

REF [163TA8136](#)



## RELAYS



- Type of relay: mini-relay
- Voltage: 12 V
- Type of voltage: DC
- Current: 30 A

Used on Leo 15GT, Leo 18GT, Leo 23GT

**REF [163TA8096](#)**



- Type of relay: mini-relay
- Voltage: 12 V
- Type of voltage: DC
- Current: 40 A

Used on Leo 15GT

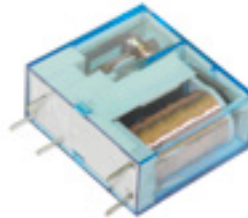
**REF [163TA8100](#)**



- Type of relay: general purpose and power
- Voltage: 12 V
- Type of voltage: DC
- Current: 10 A

Used on Leo 23GT

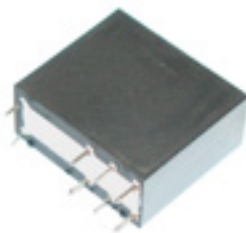
**REF [163TA8151](#)**



- Type of relay: printed circuit board
- Voltage: 12 V
- Type of voltage: DC
- Current: 12 A

Used on Leo 15GT, Leo 23GT

**REF [163TA8152](#)**



- Type of relay: printed circuit board
- Voltage: 24 V
- Type of voltage: DC
- Current: 16 A

Used on Leo 18GT, Leo 25T

**REF [163TA8143](#)**



- Type of relay: mini-relay
- Voltage: 24 V
- Type of voltage: DC
- Current: 20 A

**REF [163TA8061](#)**



- Type of relay: mini-relay
- Voltage: 24 V
- Type of voltage: DC
- Current: 40/30 A

Used on Leo 15GT, Leo 25T

**REF [163TA8095](#)**



- Type of relay: general purpose and power
- Voltage: 24 V
- Type of voltage: DC
- Current: 10 A

**REF [163TA8150](#)**



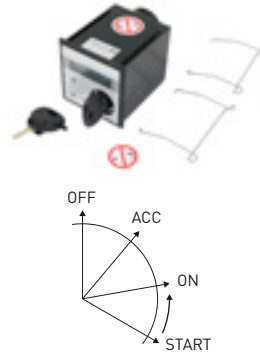
## COMPLETE CONTACTOR



- Voltage: 12 V
- Maximum current interrupted: 100 A
- Maximum current uninterrupted: 100 A
- Magnetic blowouts: no
- Dust cover: enclosed version

**REF [163TA8099](#)**

## COMPLETE CONTROL BOX



- Number of connections: 1
- Number of positions: 4
- Total length: 103 mm
- Key: yes

**REF [165TA4514](#)**

## ELECTRICITY CLOSET



- Length: 280 mm
- Width: 180 mm

**REF [163TA8163](#)**

## CABLE LOOMS



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 5080 mm
- Number of plugs: 1

**REF [163TA8159](#)**



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 1560 mm
- Number of plugs: 2

**REF [163TA8138](#)**



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 5000 mm
- Number of plugs: 1

**REF [163TA8154](#)**



## CONVERTERS



- Minimum voltage: 12 V
- Type of voltage: DC
- Outgoing voltage: 24 V
- Current: 10 A
- Number of terminals: 4

Used on Leo 15GT, Leo 18GT,  
Leo 23GT

**REF [163TA8109](#)**



- Minimum voltage: 100 V
- Type of voltage: AC/DC
- Outgoing voltage: 24 V
- Current: 5 A
- Number of terminals: 7

Used on Leo 15GT, Leo 23GT

**REF [163TA8145](#)**



## ACTUATORS MICROSWITCHES/LIMIT SWITCHES



- Length: 53 mm
- Diameter of the wheel: 12 mm

**REF [163TA8088](#)**



- Length: 33 mm
- Diameter of the wheel: 20 mm

Used on Leo 23GT, Leo 25T

**REF [163TA8086](#)**



- Length: 50 mm
- Diameter of the wheel: 22 mm

Used on Leo 25T

**REF [163TA8087](#)**



- Length: 33 mm
- Diameter of the wheel: 12 mm

Used on Leo 23GT

**REF [163TA8092](#)**



- Length: 60 mm
- Diameter of the wheel: 11,6 mm

Used on Leo 15GT, Leo 18GT, Leo 23GT, Leo 25T

**REF [163TA8141](#)**



- Length: 70 mm
- Diameter of the wheel: 16 mm

Used on Leo 23GT

**REF [163TA8142](#)**

## TOGGLE SWITCH



- Number of positions: 2
- Number of connections: 6
- Voltage: 115 VAC/8 VDC
- Current: 3 A (for AC)/5 A (for DC)

**REF [163TA8132](#)**



## LIMIT SWITCHES



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 3 A

**REF [163TA8089](#)**



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 1,5 A

**REF [163TA8158](#)**



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 3 A

Used on Leo 18GT, Leo 25T

**REF [163TA8149](#)**



- Number of NO contacts: 2
- Number of NC contacts: 2
- Current: 3 A

Used on Leo 23GT, Leo 25T

**REF [147TA5633](#)**



- Number of NO contacts: 2
- Number of NC contacts: 2
- Current: 3 A

Used on Leo 25T

**REF [163TA8111](#)**



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 10 A

Used on Leo 25T

**REF [147TA5576](#)**





## OPERATING HEADS



- Number of positions: 3
- Built-in diameter: 22 mm
- Key number: 455

**REF [163TA8093](#)** – Without key  
**REF [110TA3210](#)** – Key



- Number of positions: 2
- Built-in diameter: 22 mm
- Key number: 455

Used on Leo 23GT, Leo 25T

**REF [163TA8115](#)** – Without key  
**REF [163TA8493](#)** – Key



- Number of positions: 3
- Built-in diameter: 22 mm

Used on Leo 18GT, Leo 23GT,  
Leo 25T

**REF [163TA8117](#)**



- Number of positions: 1
- Built-in diameter: 22 mm

**REF [163TA8106](#)**



- Number of positions: 2
- Built-in diameter: 21 mm
- Key number: 455

**REF [163TA8116](#)** – Without key  
**REF [163TA8493](#)** – Key

## KEY FOR IGNITION/DOOR LOCK



Number of supplied keys: 1

**REF [163TA8107](#)**



## ROTARY SWITCHES



- Number of positions: 3
- Built-in diameter: 22 mm

Used on Leo 18 GT, Leo 23GT

**REF [163TA8114](#)**



- Number of positions: 3
- Built-in diameter: 22 mm

Used on Leo 18 GT, Leo 23GT, Leo 25T

**REF [163TA8112](#)**



- Number of positions: 2
- Built-in diameter: 22 mm

Used on Leo 18 GT, Leo 23GT, Leo 25T

**REF [163TA8113](#)**

## MUSHROOMHEAD PUSH BUTTONS



Built-in diameter: 29 mm

**REF [163TA8105](#)**



Built-in diameter: 22 mm

Used on Leo 18 GT, Leo 23GT, Leo 25T

**REF [163TA8118](#)**



Built-in diameter: 22 mm

Used on Leo 15GT

**REF [163TA8127](#)**



## CONTACT BLOCKS



- Voltage: 240 V
- Current: 6 A
- NC contact

**REF [163TA8128](#)**



- Voltage: 415 VAC/110 VDC
- Current: 4 A (for AC)/0,5 A (for DC)
- NO contact

**REF [163TA8091](#)**



- Voltage: 400 V
- Current: 10 A
- NO contact

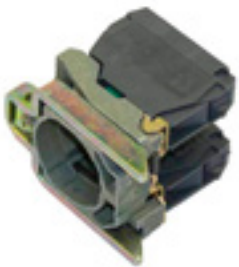
Used on Leo 18 GT, Leo 23GT, Leo 25T

**REF [163TA8119](#)**



- Voltage: 600 V
- Current: 10 A
- NC contact

**REF [163TA8120](#)**



- Voltage: 600 V
- Current: 10 A
- 2 x NO contact

Used on Leo 15GT, Leo 18GT, Leo 23GT, Leo 25T

**REF [163TA8121](#)**



- Voltage: 600 V
- Current: 10 A
- 2 x NC contact

Used on Leo 18GT, Leo 23GT, Leo 25T

**REF [163TA8122](#)**



- Voltage: 600 V
- Current: 10 A
- NC contact & NO contact

Used on Leo 18GT, Leo 23GT, Leo 25T

**REF [163TA8123](#)**



## DASHBOARD BULBS



- Length: 29,5 mm
- Outer diameter: 29,4 mm
- Lens colour: red

**REF [163TA8090](#)**



- Length: 30 mm
- Outer diameter: 28,5 mm
- Lens colour: green

**REF [163TA8129](#) – Green**

**REF [163TA8130](#) – Red**

## BATTERY DISCONNECT SWITCH



- Current: 250 A
- Quantity of poles: 1
- Auxiliary switch present: yes

Used on Leo 15GT, Leo 18GT

**REF [163TA8166](#)**



## TILT SENSORS



- Height: 58 mm
- Detection: 73/83°

Used on Leo 23GT

**REF [163TA8140](#)**



- Height: 89 mm
- Detection: ± 10°

Used on Leo 18GT

**REF [163TA8097](#)**



- Height: 90 mm
- Detection: ± 45°

Used on Leo 23GT, Leo 25T

**REF [163TA8139](#)**



- Height: 18,5 mm
- Diameter: 100 mm
- Detection: ± 3°

Used on Leo 23GT

**REF [163TA8186](#)**

## LEVEL SENSOR



- Height: 34 mm
- Diameter: 75,5 mm
- Detection: ± 1°

**REF [163TA8185](#)**

## LEVEL DETECTOR



- Diameter: 15,5 mm
- Height: 34 mm

Used on Leo 18GT, Leo 23GT

**REF [163TA8148](#)**

## PROXIMITY SENSORS



- Height: 50 mm
- Length: 2000 mm
- Switch type: inductive sensor  
1 x NO/1 x NC
- Voltage: 12–24 VDC

Used on LE023GT

**REF [163TA8102](#)**



- Height: 54 mm
- Length: 7000 mm
- Switch type: inductive sensor
- Voltage: 10–30 VDC

**REF [163TA8156](#)**



## HOUR METER



- Voltage: 12–48 V
- Depth: 28,6 mm
- Diameter: 58,4 mm
- Length: 37,5 mm
- Number of digits: 6

Used on Leo 18GT

**REF [163TA8110](#)**



## FITTING FOR HYDRAULIC CIRCUIT



Banjo 1/2" BSP connection 12L

REF [163TA8036](#)

## ACTUATOR/POSITION TRANSDUCER



Height: 105 mm

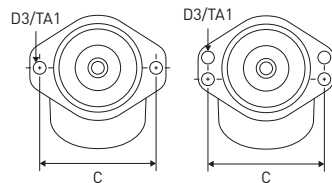
REF [163TA8044](#)

## HYDRAULIC MOTOR



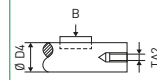
### Type of flange

Type A



### Type of shaft

Type F



- Thread connections: 1/2" BSP
- Type of flange: A
- Type of shaft: F
- Total length: 190 mm

Used on Leo 23GT, 25T

REF [163TA8056](#)

## HYDRAULIC PUMP GROUP



- Hand pump
- Length: 160 mm
- Width: 130 mm

Used on Leo 23GT, 25T

REF [163TA8037](#)

## HYDRAULIC PUMP



- Total length: 275 mm
- Neck diameter: 82,5 mm
- Direction of rotation: CW
- Material of the housing: aluminium

REF [163TA8039](#)

## MANIFOLD BLOCK



- Length: 110 mm
- Width: 100 mm
- Height: 60,5 mm
- Thread: 3/4" BSP

REF [163TA8043](#)

## CARTRIDGE VALVE



- Width across flats: 7/8"
- Length: 86 mm
- Diameter: 17,3 mm

Used on Leo 15GT, Leo 18GT, Leo 23GT, Leo 25T

REF [163TA8047](#)





## PRESSURE VALVES (FLOW)



- Thread: M20 x 1,5 mm
- Length: 65 mm

Used on Leo 15GT, Leo 18GT, Leo 23GT, Leo 25T

**REF [163TA8049](#)**



- Thread: M20 x 1,5 mm
- Length: 98,4 mm

Used on Leo 15GT, Leo 25T

**REF [163TA8048](#)**



- Thread: M16 x 1,25 mm
- Length: 160 mm

**REF [163TA8192](#)**

## VALVE



- Total length: 209 mm
- Voltage: 24 VDC

Used on Leo 23GT

**REF [163TA8046](#)**

## ELECTRIC CARTRIDGE



- Total length: 180 mm
- Voltage: 24 VDC

Used on Leo 15GT

**REF [165TA4515](#)**

## PRESSURE CONTACTS



- Thread: 1/4" BSP
- Connection: 3 screws
- Switch mode: normally open
- Pressure range: 11 bar
- Length: 71 mm

**REF [163TA8038](#)**



- Thread: 1/4" BSP
- Connection: 4 x blade
- Switch mode: signal
- Pressure range: 0-160 bar
- Length: 108,4 mm

Used on Leo 25T

**REF [163TA8101](#)**



## REGULATOR

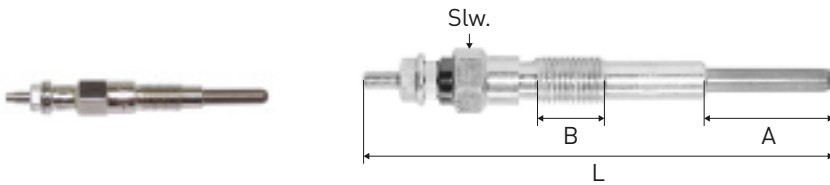


- Length: 65 mm
- Width: 84 mm
- Voltage: 12 V

Used on Leo 18GT, Leo 23GT

**REF [163TA8074](#)**

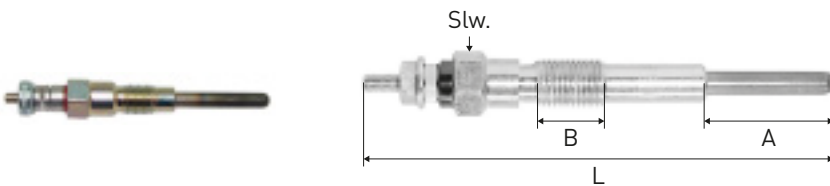
## GLOW PLUGS



- Voltage: 11 V
- Thread: M8
- Total length: 76 mm
- Length A: 19 mm
- Length B: 12 mm

Used on Leo 18GT, Leo 23GT

**REF [163TA8064](#)**



- Voltage: 23 V
- Thread: M10
- Total length: 85 mm
- Length A: 30,5 mm
- Length B: 10 mm

**REF [163TA8068](#)**

## SPARK PLUG



- Number of ground electrodes: 1
- Thread: M14
- Pitch metric: 1,25 mm
- RH/LH thread: RH

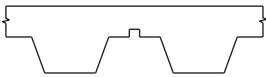
**REF [163TA8076](#)**



## TOOTHED BELTS



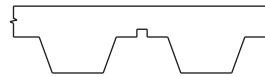
- Open toothed belt, type B
- Belt width: 32 mm
- Belt height: 4,5 mm
- Pitch: 10 mm



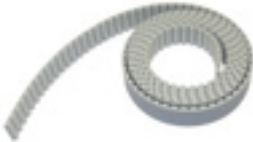
**REF [163TA8052](#)**



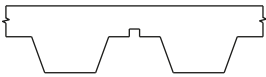
- Open toothed belt, type B
- Belt width: 32 mm
- Belt height: 4,5 mm
- Pitch: 10 mm



**REF [163TA8053](#)**



- Open toothed belt, type B
- Belt width: 32 mm
- Belt height: 4,6 mm
- Pitch: 10,5 mm



**REF [163TA8054](#)**

## V-BELTS



- V-belt, toothed open flank
- Belt width: 11,4 mm
- Belt height: 9 mm
- Outside length: 880 mm

**REF [163TA8060](#)**



- V-belt, toothed open flank
- Belt width: 10,5 mm
- Belt height: 7,5 mm
- Outside length: 950 mm

**REF [163TA8057](#)**



- V-belt, toothed open flank
- Belt width: 9,8 mm
- Belt height: 7,7 mm
- Outside length: 875 mm

**REF [163TA8070](#)**



## MUFFLER



- Length of the muffler: 245 mm
- Diameter of the body: 90 mm
- Outer diameter smallest tube: 35 mm
- Outer diameter biggest tube: 48 mm

REF [163TA8067](#)

## GASKET



- Diameter: 36 mm
- Length: 68 mm
- Thickness: 2,2 mm
- Number of holes: 5
- Material: metal

REF [163TA8063](#)

## EXHAUST CLAMP



- Inside clamp diameter: 54 mm
- Length: 52 mm

REF [163TA8077](#)

## MANIFOLD INT./EXH.



- Length: 120 mm
- Width: 90 mm
- Height: 70 mm
- Holes diameter: 4 x 6 mm/ 2 x 22 mm

REF [163TA8072](#)

## EXHAUST PIPE



- Length: 130 mm
- Outer diameter smallest tube: 37 mm
- Outer diameter biggest tube: 39 mm

REF [163TA8073](#)

## FILLER CAPS



- Height: 24 mm
- Outer diameter: 65 mm
- Inner diameter: 33 mm

REF [163TA8069](#)



- Height: 44 mm
- Outer diameter: 87 mm
- Inner diameter: 42 mm

REF [163TA8078](#)



## ENGINE STOP SOLENOIDS



- Voltage: 12 V
- Type of current: DC
- Function: push
- Mounting side: right side
- Length: 140 mm

**REF [163TA8065](#)**



- Voltage: 12 V
- Type of current: DC
- Function: pull
- Mounting side: both sides
- Length: 120 mm

Used on Leo 18GT, Leo 23GT

**REF [163TA8075](#)**



- Voltage: 24 V
- Type of current: DC
- Function: pull
- Mounting side: both sides
- Length: 60,5 mm

Used on Leo 25T

**REF [163TA8059](#)**



- Voltage: 24 V
- Type of current: DC
- Function: push
- Mounting side: left side
- Length: 105 mm

**REF [163TA8062](#)**

## STARTERS



- Voltage: 12 V
- Power: 4 kW
- Number of teeth: 15

**REF [163TA8079](#)**



- Voltage: 12 V
- Power: 0,8 kW
- Number of teeth: 9

**REF [163TA8071](#)**



- Voltage: 12 V
- Power: 0,7 Kw
- Number of teeth: 9

Used on Leo 18GT, Leo 23GT

**REF [163TA8066](#)**



- Voltage: 24 V
- Power: 1,4 kW
- Number of teeth: 9

Used on Leo 25T

**REF [163TA8058](#)**



## PULLEY MOUNTS



- Number of holes: 2
- Material: stainless steel

REF [163TA8019](#)



- Number of holes: 2
- Material: aluminium

REF [163TA8025](#)

## BALL JOINT ROD END



- Outer diameter: 70 mm
- Inner diameter: 30 mm
- Height: 95 mm

REF [163TA8055](#)

## CHASSIS ACCESSORIES



- Outer diameter: 180 mm
- Inner diameter: 50 mm
- Height: 40 mm

REF [163TA8018](#)



- Length: 458 mm
- Width: 540 mm
- Height: 795 mm

REF [163TA8024](#)

## MUD GUARD



- Dimensions: 19 x 300 mm
- Maximum radius: 283 mm
- Material: PVC

REF [163TA8021](#)

## STABILISER PLATE



- Length: 850 mm
- Width: 339 mm
- Thickness: 70 mm
- Weight: 12,18 kg
- Useful height: 25 mm
- Material: ultra high molecular weight polythylene

REF [163TA8015](#)



## DOOR HANDLES



- Length: 53 mm
- Diameter: 26 mm
- Locking

**REF [163TA8164](#)**



Length: 270 mm

**REF [163TA8184](#)**



- Length: 45 mm
- Height: 58 mm
- Non-locking

**REF [163TA8181](#)**



- Length: 85 mm
- Height: 48,5 mm

**REF [163TA8189](#)**



- Length: 116 mm
- Width: 33 mm
- Non-locking

**REF [163TA8190](#)**





## RUBBER MOUNTS



- Pad with 1 x outer thread
- Diameter: 50 mm
- Length: 28 mm
- Thread: M10
- Overall length: 53 mm

**REF [163TA8177](#)**



- Pad with 2 x outer thread
- Diameter: 50 mm
- Length: 20 mm
- Thread: M10
- Overall length: 86 mm

**REF [163TA8178](#)**



- Diameter: 38 mm
- Length: 56 mm
- Thread: M8
- Overall length: 90 mm

**REF [163TA8179](#)**

## WEAR PADS

	Length mm	Material	REF
	90	Plastic	<a href="#">163TA8026</a>
	130	Plastic	<a href="#">163TA8193</a>
	130	Plastic	<a href="#">163TA8028</a>
	190	Plastic	<a href="#">163TA8027</a>
	260	Plastic	<a href="#">163TA8031</a>



## LEVERS



Length: 161 mm

REF [163TA8042](#)



Length: 142 mm

REF [163TA8188](#)



Length: 175 mm

REF [163TA8182](#)



Length: 183 mm

REF [163TA8051](#)

## LEVER KIT HYDRAULIC VALVE



**Contains:**

- 1 handle
- 1 red handle and base
- 1 black handle
- 1 base

REF [163TA8050](#)

## STANDARD HYDRAULIC VALVE



- Number of elements: 1
- Number of plungers: 4
- Length: 208 mm

REF [163TA8041](#)

## CABIN ACCESSORY



- Diameter: 32 mm
- Length: 42 mm
- Thread: M18 x 1 mm

REF [163TA8183](#)



PROTECTIVE COVERS				
	Length mm	Width mm	Height mm	REF
	320	340	125	<a href="#">163TA8030</a>
	490	445	210	<a href="#">163TA8032</a>
	700	345	275	<a href="#">163TA8033</a>
	500	435	210	<a href="#">163TA8034</a>
	480	430	200	<a href="#">163TA8035</a>

CABIN ACCESSORY	
 <ul style="list-style-type: none"> <li>· Length: 121 mm</li> <li>· Width: 58,5 mm</li> <li>· Preformed</li> </ul> <p><b>REF <a href="#">163TA8180</a></b></p>	



## DECALS



- Length: 157 mm
- Height: 237 mm

REF [163TA8014](#)



- Length: 51 mm
- Height: 51 mm

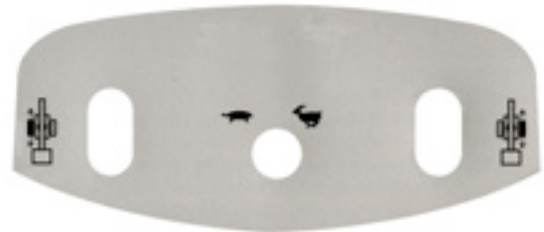
REF [163TA8016](#)



- Length: 120 mm
- Height: 240 mm

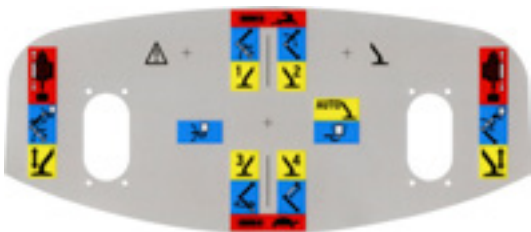
Used on Leo GT13, Leo 15GT, Leo 23GT, Leo 18GT

REF [163TA8169](#)



- Length: 232,5 mm
- Height: 100 mm

REF [163TA3180](#)



- Length: 232 mm
- Height: 100 mm

REF [163TA6872](#)



- Length: 318 mm
- Height: 234 mm

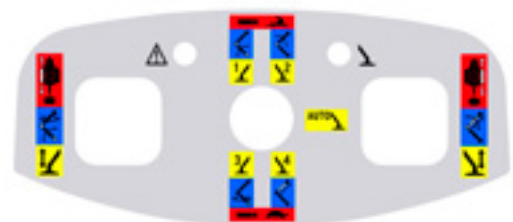
Used on Leo 15GT

REF [163TA8174](#)



- Length: 68 mm
- Height: 41 mm
- Kit

REF [163TA8017](#)



- Length: 230 mm
- Height: 100 mm

REF [165TA4516](#)



## TRACK ROLLER



- Maximum diameter of the outer diameter: 134 mm
- Total width: 151 mm

REF [163TA8191](#)

## TRACKS

	Type + colour	Width mm	Number of links	Used on	REF
	Non-marking white	180	37	LE013GT	<a href="#">164TA8527</a>
	Non-marking white	180	40	LE015, LE015GT > 2016	<a href="#">164TA8529</a>
	Non-marking white	200	43	LE015, LE015GT > 2016, LE022T, LE023H, LE025	<a href="#">163TA8022</a>
	Non-marking white	230	52	LE026	<a href="#">164TA8528</a>
	Non-marking white	250	57	LE030, LE030T, LE036	<a href="#">163TA8023</a>
	Non-marking white	400	72	LE040GTX	<a href="#">164TA8530</a>
	Black	400	72	LE040GTX	<a href="#">164TA8531</a>





USED ON  
**UPRIGHT**



## ELECTRONIC JOYSTICKS



Single-axis  
Used on MX15, MX19, SL20,  
SL26N, SL30N

**REF [164TA7279](#)**



Single-axis  
Used on AB46

**REF [145TA3104](#)**



Single-axis  
Used on AB46, AB46 I/C,  
AB46 RT

**REF [145TA3108](#)**



Single-axis  
Used on AB62

**REF [164TA7285](#)**



Single-axis  
Used on LX31, LX41

**REF [145TA3112](#)**



Single-axis  
Used on LX31, LX41, LX50,  
XRT27, XRT33

**REF [145TA3089](#)**



Single-axis  
Used on MB20, MB26, SP37,  
AB38

**REF [145TA2871](#)**



Single-axis  
Used on MX15, MX19, SL20,  
SL26(N), SL30(N)

**REF [145TA2886](#)**



Single-axis  
Used on MX15, MX19, TM12,  
SL14, SL20D

**REF [145TA3091](#)**



Single-axis  
Used on MX15, MX19, X20(N,W),  
X26N

**REF [145TA2875](#)**





## ELECTRONIC JOYSTICKS



Single-axis  
Used on SL26  
**REF [165TA4517](#)**



Single-axis  
Used on S3370(BE,RT),  
S2770(BE,RT), SR-series,  
SLH-series  
**REF [145TA3092](#)**



Single-axis  
Used on SB60, SB80  
**REF [164TA7282](#)**



Single-axis  
Used on SB60, SB80  
**REF [164TA7288](#)**



Dual-axis  
Used on SB60, SB80  
**REF [142TA8013](#)**



Single-axis  
Used on SL15, SL19, SL20,  
SL25, S2033, S2545  
**REF [145TA3094](#)**



Single-axis  
Used on SL20  
**REF [164TA7286](#)**



Single-axis  
Used on SL20, TM12  
**REF [145TA2874](#)**



Single-axis  
Used on SL20, X20(N,W),  
X26(N,UN), X32N  
**REF [145TA2870](#)**



Single-axis  
Used on SL26(N,RT,SL),  
SL30(N,RT,SL)  
**REF [145TA2880](#)**



## ELECTRONIC JOYSTICKS



Single-axis  
Used on TL38, TL49  
**REF [164TA7287](#)**



Single-axis  
Used on X20(N,W), X26N, X31N,  
X32N  
**REF [145TA3331](#)**



Single-axis  
Used on X26(N), X32(N)  
**REF [164TA7278](#)**



Single-axis  
Used on X26N, SL26SL, SL30SL,  
MX19, MB20N, MB26, AB38,  
A38E  
**REF [161TA2140](#)**



Cable length: 230 mm  
Used on TL38, TL50  
**REF [164TA7519](#)**



Cable length: 115 mm  
Used on AB38, A38E, MB20N,  
MB26  
**REF [127TA2750](#)**



## CONTROL BOXES



- Length: 270 mm
- Width: 370 mm
- Height: 420 mm

Used on X20W, X26N, X31N, X series

**REF [165TA4518](#)**



- Length: 184 mm
- Width: 235 mm
- Height: 124 mm

Used on AB38, A38E

**REF [164TA7284](#)**

## ELECTRICITY CLOSETS AND BOXES



- Length: 20 mm
- Width: 160 mm
- Height: 105 mm

Used on X series

**REF [164TA7384](#)**

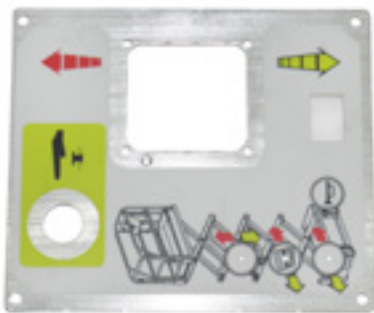


- Length: 235 mm
- Width: 185 mm
- Height: 130 mm

Used on AB38, A38E

**REF [164TA7387](#)**

## BUILT-IN FRAME SWITCH



- Mounting plate for upper control box
- Length: 212 mm
- Width: 180 mm

Used on MX19

**REF [164TA7386](#)**



## ELECTRONIC CONTROL UNIT (ECU)



- Length: 127 mm
- Width: 132 mm
- Height: 50,3 mm

Used on MX19, X26N, TM12

**REF [164TA7480](#)**

## MOTOR CONTROLLERS



- Upright motor controller
- Length: 170 mm
- Width: 170 mm

Used on SL20

**REF [164TA7466](#)**



- Upright motor controller
- Length: 173 mm
- Width: 114 mm

Used on SL20, X series, X20N, X20W, X26N, X26UN, X32N

**REF [164TA7482](#)**



- Curtis controller
- Length: 195 mm
- Width: 145 mm

Used on AB38, A38E

**REF [164TA7465](#)**



- Motor controller MOS90
- Length: 235 mm
- Width: 140 mm

Used on TL38

**REF [164TA7447](#)**



- Motor controller MOS90
- Length: 238 mm
- Width: 140 mm

Used on TL49

**REF [164TA7459](#)**



- Motor controller MOS90
- Length: 240 mm
- Width: 140 mm

Used on TL38, TL33

**REF [164TA7469](#)**



## MOTOR CONTROLLERS



- Motor controller MOS90
- Length: 255 mm
- Width: 138 mm

Used on MB20/26

**REF [164TA7486](#)**



- Pump control unit
- Motor controller MOS90
- Length: 263 mm
- Width: 140 mm

Used on AB38

**REF [164TA7460](#)**



- Traction control unit
- Motor controller MOS90
- Length: 263 mm
- Width: 140 mm

Used on AB38

**REF [164TA7473](#)**



- Motor controller MOS90
- Length: 339 mm
- Width: 140 mm

Used on AB46, AB46 Electric & Bi-energy

**REF [164TA7472](#)**



- ECU box (with printed circuit board)
- Length: 205 mm
- Width: 132 mm

Used on AB38, A38E

**REF [164TA7479](#)**

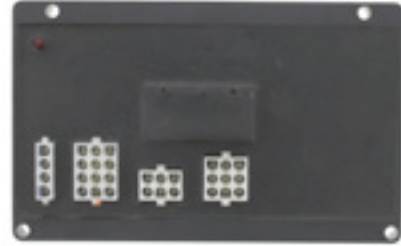


## PRINTED CIRCUIT BOARDS



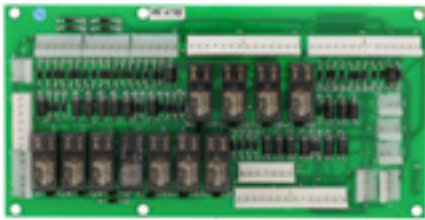
- Auto stabiliser module
- Length: 185 mm
- Width: 115 mm

Used on SR2255, SR2755, SR3370, SR2770



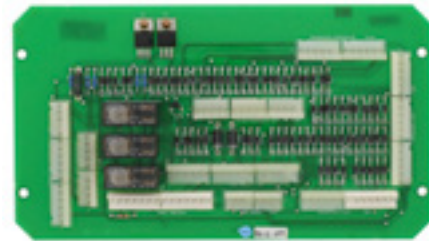
- Overload circuit
- Length: 185 mm
- Width: 115

Used on MX19



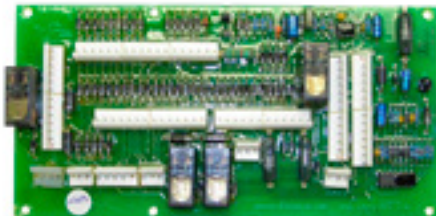
- Lower circuit board
- Length: 214 mm
- Width: 107 mm

Used on MB20/26



- Lower printed circuit board
- Length: 213 mm
- Width: 107 mm

Used on TL38 work platforms



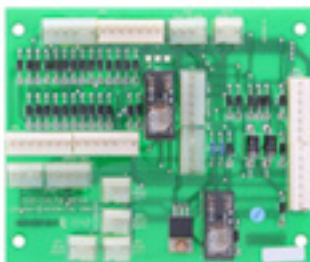
- Lower printed circuit board AB38
- Length: 129 mm
- Width: 58 mm

Used on AB38



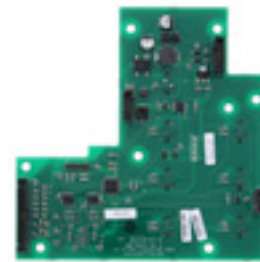
- Length: 129 mm
- Width: 58 mm

Used on A38E



- Lower control box
- Length: 132 mm
- Width: 110 mm

Used on TL33



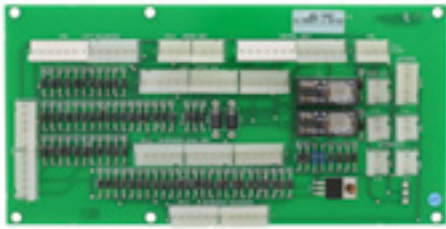
- Printed circuit board assembly (platform controller)
- Length: 131,4 mm
- Width: 133,5 mm

Used on AB38, MX19, A38E





## PRINTED CIRCUIT BOARDS



- Printed circuit board assembly lower
- Length: 214 mm
- Height: 107 mm

Used on TL49



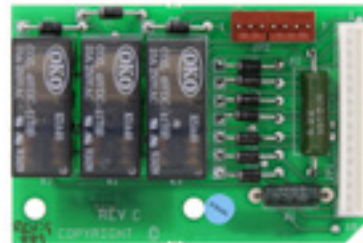
Printed circuit board lower control box LX41 with outrigger

Used on LX31, LX41, LX50



- Printed circuit board MX19 whisper
- Length: 150 mm
- Width: 150 mm

Used on SL20, X series, X20N, X20W, X26N, X26UN, X32N



- Printed circuit board upper SP37
- Length: 76 mm
- Width: 52 mm

Used on AB38



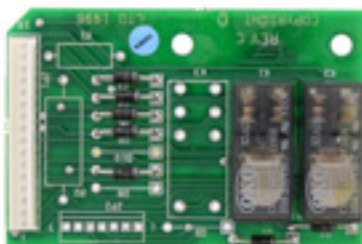
- Resistor module dual
- Length: 90 mm
- Width: 54 mm

Used on AB46RT



- SP37 lower printed circuit board S/S 57592-00 serial n° 1076 - current
- Length: 212 mm
- Width: 106 mm

Used on SP37



- TL33 upper control board
- Length: 76,5 mm
- Width: 51 mm

Used on TL33, TL49, SP37

**Although these electronic cards may resemble the one fitted on your mobile elevating work platform there can be a big difference. Therefore we always ask you to supply us with part number or full vehicle details before ordering a similar unit.**

**This is just a small selection of our electronic boards. For all other types, please feel free to call us!**





## DASHBOARD WARNING LIGHTS



- Built-in diameter: 12 mm
- Outer diameter: 16,2 mm
- Lens colour: green

Used on U-DRIVE25, LX31, LX41, LX50, XRT27/XRT33, LX50

**REF [164TA7107](#)**



- Built-in diameter: 14 mm
- Outer diameter: 16 mm
- Lens colour: green

Used on AB38, TL38, TL33, TL49, SP37, TL34

**REF [164TA7109](#)** – Green  
**REF [164TA7108](#)** – Red

## BUZZERS/BACK-UP ALARMS



- Voltage: 12–48 V
- Volume: 107 dB
- Dimensions: 62 x 73,5 mm

Used on LX31, LX41, LX50, AB62, SL20, X series, SB80, XRT27/XRT33, SL26, 30RT, SL20 (12V), 30SL, X20N, X20W, X26N, X26UN, X32N, AB46, AB46 I/C 2WD, 30N

**REF [164TA7089](#)**



- Voltage: 12–48 V
- Volume: 107 dB
- Dimensions: 62 x 73,7 mm

Used on LX31, LX41, LX50, MX15, MX19, SL26, 30RT, 30SL, X20N, X20W, X26N, X26UN, X32N, 30N, X series

**REF [164TA7088](#)**

**SEA-approved**



- Voltage: 12 V
- Volume: 102 dB
- Dimensions: 101,5 x 41,3 x 69 mm

Used on LX31, LX41, MX15/MX19, SL26RT/SL30RT, SL26N/SL30N, TM12, SL20 1, SL26, 30SL, 30N, LX31DD/ LX41DD

**REF [139TA5211](#)**

**UL/SEA-approved**



- Voltage: 5–28 V
- Volume: 98 dB
- Dimensions: 46 x 50 mm

Used on AB38, MB20/26, TL38, AB38, SP37, TL33, TL49

**REF [164TA7087](#)**



- Voltage: 6–30 V
- Volume: 90 dB
- Dimensions: 46 x 36,3 mm
- Built-in diameter: 29 mm

Used on AB38, MX19, AB38, A38E

**REF [128TA3427](#)**



## HORNS



- Volume: 105 dB
- Voltage: 12 V
- Type of mounting: straight bracket
- Diameter: 90 mm

REF [111TA3928](#)

**E-approved**



- Volume: 112 dB
- Voltage: 24 V
- Type of mounting: straight bracket
- Diameter: 90 mm

REF [126TA6165](#)

**E-approved**

## CABLE LOOMS



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 2550 mm
- Number of plugs: 6

Used on TM12, M1230E

REF [164TA7335](#)



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 3020 mm
- Number of plugs: 2

REF [164TA7344](#)



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 403 mm
- Number of plugs: 2

Used on MX19

REF [164TA7326](#)



- Cable type: < 6 mm<sup>2</sup>
- Single cable loom: 1 cable
- Total length: 365 mm
- Number of plugs: 2

Used on AB38, MX19, A38E

REF [164TA7336](#)



- Cable type: < 6 mm<sup>2</sup>
- Single cable loom: 1 cable
- Total length: 2620 mm
- Number of plugs: 2

Used on AB38, MX19, A38E

REF [164TA7343](#)



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 11 650 mm
- Number of plugs: 5

Used on MX19, MX15, SL20 1

REF [164TA7342](#)



## CABLE LOOMS



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 12 000 mm
- Number of plugs: 4

Used on MX19

**REF [164TA7334](#)**



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 16 545 mm
- Number of plugs: 3

Used on AB38, AB38 work platforms

**REF [164TA7346](#)**



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 16 800 mm
- Number of plugs: 4

Used on AB38, AB38 work platforms, 38E

**REF [164TA7341](#)**



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 17 230 mm
- Number of plugs: 4

Used on X series, X20N, X20W, X26N, X26UN, X32N

**REF [164TA7333](#)**



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 18 450 mm
- Number of plugs: 5

Used on XS, X series work platform

**REF [164TA7338](#)**



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 15 250 mm
- Number of plugs: 1


Used on SP37

**REF [164TA7331](#)**



COMPLETE CONTACTORS						
	Voltage V	Maximum current A	Magnetic blowouts	Dust cover	Used on	REF
	48	150	No	No	SP37	<a href="#">165TA4519</a>
	12	80	No	No	AB62, AB46RT European SP, AB46RT, AB46, LX31, LX41, LX50, SL26, 30SL, AB46 Electric & Bi-energy, AB46RT 4WD, AB46 I/C 2WD, SL26RT/SL30RT, SL26N/SL30N, LX31DD/LX41DD	<a href="#">123TA5763</a>
	24	100	No	No	AN38, AB38, A38E	<a href="#">152TA2169</a>
	24	100	No	No	LX31, LX41, LX50, AB38, AB38, A38E, AB46I/C 2WD, AB46	<a href="#">164TA7103</a>
	24	100	Yes	No	MB20/26, TL38, TL33, TL49	<a href="#">106TA1585</a>
	24	200	No	No	SL20, X series, MX15, MX19, SL20 (12V), XS, TM12, X20N, X20W, X26N, X26UN, X32N, X series	<a href="#">122TA7511</a>
	24	200	Not specified	Enclosed version	MX15, MX19, SL20D, SL30N, TM12, SL20 1, SL26, 30N, X20N, X20W, X26N, SL14,	<a href="#">111TA4054</a>



COMPLETE CONTACTORS						
	Voltage V	Maximum current A	Magnetic blowouts	Dust cover	Used on	REF
	24	200	Yes	No	SL20	<a href="#">106TA1670</a>
	48	200	No	No	AB38, A38E	<a href="#">164TA7104</a>
	48	100	Yes	No	AB38	<a href="#">107TA1353</a>
	48	200	No	No	AB46, AB46 Electric & Bi-energy	<a href="#">123TA9532</a>
	48	250	No	Yes	LX31, LX41, AB46, AB46 Electric & Bi-energy	<a href="#">164TA7101</a>
	48	80	No	No	AB38	<a href="#">164TA7105</a>



## ENCODERS



- Diameter shaft: 4,7 mm
- Length shaft: 12,8 mm
- Housing diameter: 28,6 mm
- Voltage: 10,44 V
- Number of pins: 2

**REF [123TA5543](#)**



- Diameter shaft: 4,8 mm
- Length shaft: 14,5 mm
- Housing diameter: 30 mm
- Voltage: 20,8 V
- Number of pins: 2

**REF [124TA9515](#)**

## HOUSING CONNECTORS



- Biggest diameter: 25 mm
- Smallest diameter: 20 mm
- Height: 82 mm
- Number of connecting holes: 8 female

Used on MX19

**REF [164TA7345](#)**



- Biggest diameter: 43,4 mm
- Smallest diameter: 30,4 mm
- Height: 27,2 mm
- Number of connecting holes: 37 female

Used on AB38

**REF [160TA2985](#)**



RELAYS					
	Voltage V	Type of voltage	Current A	Used on	REF
<b>General purpose and power relay</b>					
	6	DC	10	SL26, 30RT, 30SL, SL26RT/SL30RT, 30N	<a href="#">111TA4922</a>
	12	DC	10	LX50, AB46 European SP, AB46RT, LX31, LX41, LX50, AB46RT 4WD, AB46 I/C 2WD, LX31DD/LX41DD	<a href="#">124TA4686</a>
	12	DC	10	LX50, AB46RT, SB80, LX31, LX41, AB46RT 4WD, AB46RT, LX31DD/LX41DD	<a href="#">128TA3014</a>
	12	DC	10	LX50, LX31, LX41, SL20, XRT27/XRT33, SL26, 30RT, SL20 (12V), SL26RT/SL30RT, SL26N/SL30N, 30SL, 30N	<a href="#">164TA7499</a>
	12	DC	10	SL20, SL26, 30RT, 30SL, SL26RT/SL30RT, SL26N/SL30N, 30N	<a href="#">164TA7502</a>
	12	DC	10	SL26, 30RT, 30SL, SL26RT/SL30RT, SL26N/SL30N	<a href="#">121TA1131</a>
	12	DC	10	LW31, LX41, LX50, AB46RT European SP, AB46RT, SB80, LX31DD/LX41DD, LX31/41, LS31/LX41	<a href="#">122TA7891</a>





RELAYS					
	Voltage V	Type of voltage	Current A	Used on	REF
	12	DC	10	AB85RJ, AB60JRT	<a href="#">111TA4904</a>
	24	DC	10	U-DRIVE25, SL20, TM12, X20N, X20W, X26N, X26UN, X32N, MX15, MX19, SL20D, X series, SL14	<a href="#">139TA5073</a>
	24	DC	16	SL20D, SL26N/SL30N, SL26, 30N	<a href="#">164TA7500</a>
	24	DC	3-30	U-DRIVE25, TM12, MX15, MX19, TM12	<a href="#">122TA7919</a>
	48	DC	10	LX31/LX41, AB46RT, AB46RT 4XD, AB46, AB46I/C 2WD, AB46 Electric & Bi-Energy	<a href="#">124TA8980</a>
	48	DC	16	LX31, LX41	<a href="#">124TA8989</a>



## TIMER RELAY



- For 12 VDC and 24 VDC machines
- Input range: 10–32 V
- Operating temperature: –20 up to 85 °C

Used on LX31/41, LX31DD/41DD

**REF [164TA7497](#)**

## ELECTRIC MOTORS



- Minimum voltage: 24 V
- Current: 150 A
- Revolutions/minute: 3600 rpm
- Power: 2,94 kW
- Direction of rotation: CW

Used on XS, SL20

**REF [122TA7771](#)**



- Minimum voltage: 48 V
- Current: 85 A
- Revolutions/minute: 1000 rpm
- Power: 4 kW
- Direction of rotation: CW–CCW

Used on AB38, A38E, SP37

**REF [164TA7129](#)**



- Minimum voltage: 48 V
- Current: 108 A
- Revolutions/minute: 2700 rpm
- Power: 5,45 kW
- Direction of rotation: CCW

Used on AB46, AB46 Electric & Bi-Energy

**REF [164TA7128](#)**



- Minimum voltage: 48 V
- Current: 85 A
- Revolutions/minute: 1000 rpm
- Power: 4 kW
- Direction of rotation: CW–CCW

Used on AB38, A38E

**REF [164TA7130](#)**



## BRUSH KITS



- Thickness: 9,4 mm
- Width: 20,6 mm
- Height: 28,4 mm
- Set of 4 brushes

Used on AV46, AB46 Electric & Bi-energy

**REF [164TA7351](#)**



- Thickness: 12,6 mm
- Width: 21,7 mm
- Height: 36,6 mm
- Set of 4 brushes

Used on AB38, A38E, SP37

**REF [164TA7352](#)**



- Thickness: 7 mm
- Width: 22 mm
- Height: 19,3 mm
- Set of 2 brushes

Used on X series

**REF [121TA2338](#)**



- Thickness: 7 mm
- Width: 22,2 mm
- Height: 19 mm
- Set of 4 brushes

Used on MX15, MX19, TL38, SL20D, SL26N/SL30N, TM12

**REF [164TA7353](#)**

## CARBON BRUSHES



- Thickness: 15,9 mm
- Width: 31,6 mm
- Height: 33,1 mm

Used on AB46, AB46 Electric-Bi-energy

**REF [140TA4563](#)**



- Thickness: 8 mm
- Width: 28 mm
- Height: 30 mm

Used on AB38, A38E, SP37

**REF [140TA4808](#)**

## SERVO MOTORS



- Voltage: 12 V
- Cable length: 1765 mm
- Dimensions: 140 x 63,5 mm

Used on AB62

**REF [164TA6943](#)**



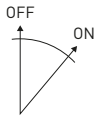
- Voltage: 12 V
- Cable length: 1000 mm
- Dimensions: 290 x 51 mm

Used on AB62

**REF [164TA6944](#)**



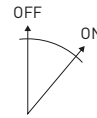
## IGNITION SWITCHES



- Number of connections: 3
- Number of positions: 2
- Built-in diameter: 17 mm
- Total length: 40 mm
- Key: yes

Used on AB38, A38E

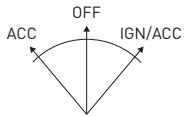
**REF [164TA7402](#)**



- Number of connections: 3
- Number of positions: 2
- Built-in diameter: 19 mm
- Total length: 41 mm
- Key: yes

Used on AB38, MX19, A38E

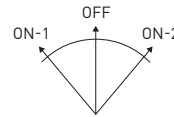
**REF [164TA7400](#)**



- Number of connections: 3
- Number of positions: 3
- Built-in diameter: 19 mm
- Total length: 62 mm
- Key: yes

Used on MX15, MX19, XS, SL20D, TM12, SL20 1, SL14

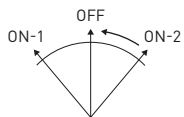
**REF [141TA2635](#)**



- Number of connections: 4
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 62 mm
- Key: yes

Used on MS20/26, TL38, SP37, TL34

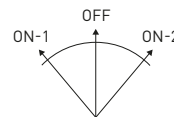
**REF [164TA7396](#)**



- Number of connections: 4
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 62 mm
- Key: yes

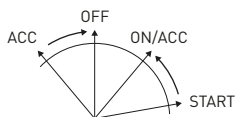
Used on AB38

**REF [164TA7399](#)**



- Number of connections: 4
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 62 mm
- Key: yes

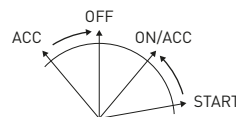
**REF [164TA7393](#)**



- Number of connections: 4
- Number of positions: 4
- Built-in diameter: 19 mm
- Total length: 70 mm
- Key: no

Used on AB62, SB80, AB50JRT, AB85RJ, AB60JRT, AB46RT

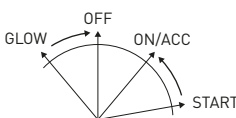
**REF [126TA5997](#)**



- Number of connections: 4
- Number of positions: 4
- Built-in diameter: 19 mm
- Total length: 71 mm
- Key: yes

Used on SL26, 30RT, 30SL, LX50, LX31, LX41, LX-50, SRT27/XRT33, 30N, LX31DD/LX41DD

**REF [164TA7398](#)**




- Number of connections: 5
- Number of positions: 4
- Built-in diameter: 28 mm
- Total length: 69 mm
- Key: yes

Used on LX30, LX41, LX31DD/LX41DD, SL26RT/SL30RT, SL26N/30SL, SL26, 30SL, 30N

**REF [140TA1484](#)**



OPERATING HEADS						
	Number of positions	Built-in diameter mm	Key	Material	Used on	REF
	3	22	Yes	Metal	X series, SL20, X20N, X20W, X26N, X26UN, X32N, SL20 (12V)	<a href="#">164TA7401</a>
	3	22	Yes	Plastic	LX31/LX41, AB46RT European SP, AB46RT Dual fuel, AB46RT, AB46RT 4WD, AB46, AB46 I/C 2WD, AB46 Electric & Bi-energy	<a href="#">164TA7397</a>
	4	21	Yes	Plastic	LX31/LX41, AB46RT European SP, AB46RT Dual fuel, AB46RT, AB46RT 4WD, AB46, AB46 I/C 2WD, AB46 Electric & Bi-energy	<a href="#">164TA7395</a>

ROTARY SWITCHES	
 <ul style="list-style-type: none"> <li>· Number of positions: 2</li> <li>· Built-in diameter: 22 mm</li> </ul> <p>Used on LX31, LX41, LX50, SL20, X series, MX15, MX19, XTR27/XTR33, SL20 (12V), XS, X20N, X20W, W26N, X26UN, X32N, X series</p> <p><b>REF <a href="#">164TA7623</a></b></p>	 <ul style="list-style-type: none"> <li>· Number of positions: 3</li> <li>· Built-in diameter: 22 mm</li> </ul> <p>Used on LX31, LX41, LX50, X series, XTR27/XTR33, SL20 (12V), SL20, XS, X20N, X20W, X26N, X26UN, X32N</p> <p><b>REF <a href="#">164TA7624</a></b></p>

COMPLETE ROTARY SWITCHES	
 <ul style="list-style-type: none"> <li>· Number of positions: 2</li> <li>· Voltage: 240 V</li> <li>· Current: 3 A</li> <li>· Built-in diameter: 22 mm</li> </ul> <p>Used on AB38, SL20, MB20/26, AB38, SP37</p> <p><b>REF <a href="#">160TA2157</a></b></p>	 <ul style="list-style-type: none"> <li>· Number of positions: 2</li> <li>· Voltage: 48 VDC</li> <li>· Built-in dimensions: 42 x 41 mm</li> </ul> <p>Used on AB46, AB46 Electric &amp; Bi-energy</p> <p><b>REF <a href="#">146TA8793</a></b></p>



## KEYS FOR IGNITIONS/DOOR LOCKS



- Key number: 3095
- Number of supplied keys: 1

Used on LX31/LX41, AB62, AB46RT European SP, AB46RT Dual fuel, AB46RT, X series, AB62, AB46RT 4WD, AB46, AB46 I/C 2WD, AB46 Electric & Bi-energy

**REF [129TA4234](#)**



- Key number: 455
- Number of supplied keys: 1

Used on AB38, MB20/26, TL38 work platforms, AB38 work platforms

**REF [110TA3210](#)**



- Key number: CH512
- Number of supplied keys: 1

Used on AB38, MB20/26, TL38

**REF [129TA3821](#)**



- Key number: PK556
- Number of supplied keys: 1

Used on LX31, LX41, LX50, LX31/41/50, UL II series, SL26N/SL30N, SL14

**REF [141TA3435](#)**



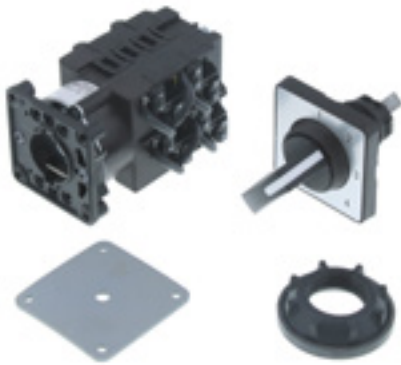
- Key number: 001
- Number of supplied keys: 1

Used on SL20, MX19

**REF [164TA7595](#)**



## CAM SWITCH



- Rotary switch
- Number of positions: 4

Used on AB38, TL38, TL33, TL49, SP37

**REF [146TA8782](#)**

## FOOT SWITCHES



- Number of NC contacts: 2
- Number of NO contacts: 2

Used on AB50JRT, AB85RJ, AB60JRT, AB46E, AN46RT

**REF [165TA4445](#)**



- Number of NC contacts: none
- Number of NO contacts: none

Used on AB62, AB46RT European SP, AB46RT Dual fuel, SB80, SL20 (12V), SL20, TM12 work platform, AB46RT 4WD, AB46, AB46 I/C 2WD, SL20D, TM12, AB46 Electric & Bi-energy, SL26, SL14

**REF [127TA2765](#)**

## LIMIT SWITCHES



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 3 A

Used on AB62, AB46RT European SP, AB46RT Dual fuel, AB46RT, AB46E, AB46RT, AB46RT 4WD, A46JE, A46JRT

**REF [161TA8097](#)**



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 3 A

Used on TL33

**REF [146TA8778](#)**



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 3 A

Used on TL49, SP37

**REF [146TA8750](#)**



- Number of NO contacts: 2
- Number of NC contacts: 0
- Current: 3 A

Used on AB38, SP37

**REF [146TA8752](#)**





## MICROSWITCHES



- Number of connections: 2
- Number of NC contacts: 2
- Number of connection holes: 2
- Current: 5 A

Used on X series, SL20

**REF [146TA1555](#)**



- Number of connections: 3
- Number of CO contacts: 1
- Number of connection holes: 2
- Current: 15 A

Used on AB38, TL38, TL33, TL49, SP37

**REF [145TA9666](#)**



- Number of connections: 3
- Number of CO contacts: 1
- Number of connection holes: 2
- Current: 15 A

Used on LX31, LX41, LX50, SL26, 30RT, 30SL, SL26RT/SL30RT, SL26N/SL30N, SL26, 30N, 30SL, LX31DD/LX41DD, X series

**REF [146TA4199](#)**



- Number of connections: 3
- Number of CO contacts: 1
- Number of connection holes: 2
- Current: 15 A

Used on LX31, LX41, LX50, SL26, 30RT, 30SL, AB62, SB80, MX15/MX19, X series, SL20D, SL26RT/SL30RT, SL26N/SL30N, SL20 1, SL26, 30SL, 30N, LX31DD/LX41DD

**REF [127TA2546](#)**



- Number of connections: 3
- Number of CO contacts: 1
- Number of connection holes: 2
- Current: 16 A

Used on S3370, S2770

**REF [145TA9464](#)**



## MUSHROOMHEAD PUSH BUTTONS



- Built-in diameter: 22 mm
- Diameter knob: 40 mm

Used on LX50, LX31, LX41, AB62, AB46RT European SP, AB46RT Dual fuel, AB46RT, SB80, XRT27/XRT33, SL26, 30RT, 30SL, LX50, AB46RT 4WD, AB46, AB46 I/C 2WD, SL26RT/SL30RT, SL26N/SL30N, SL26, 30SL, 30N, LX31DD/LX41DD, AB46 Electric & Bi-energy

**REF [164TA7614](#)**



- Built-in diameter: 22 mm
- Diameter knob: 40 mm

Used on U-DRIVE25, UL II series

**REF [128TA3060](#)**



- Built-in diameter: 22 mm
- Diameter knob: 40 mm

Used on LX31, LX41, LX50, SL20, X series, MX15/MX19, XTR27/XTR33, SL20 (12V), XS, TM12, X20N, X20W, X26N, X26UN, X32N

**REF [126TA4758](#)**

## COMPLETE MUSHROOMHEAD PUSH BUTTONS



- Built-in diameter: 22 mm
- Current: 3 A
- Voltage: 240 V

Used on AB38, SL20, MB20/26, TL38, AB38, TL33, TL19, SP37

**REF [146TA8748](#)**



- Built-in diameter: 22 mm
- Current: 3 A
- Voltage: 240 V

Used on MX15, MX19, X20N, X20W, X26N, SL20D, TM12, SL20 1

**REF [147TA1659](#)**



- Diameter: 40 mm
- Current: 100 A
- Voltage: 24 V

Used on AB38, MW19, AB38, MX19, A38E

**REF [164TA7625](#)**



- Diameter: 40 mm
- Current: 3 A
- Voltage: 240 V

Used on AB496E

**REF [164TA7628](#)**



## PUSH BUTTONS



- Diameter: 30 mm
- Length: 28 mm
- Button colour: green

Used on LX31/LX41, AB62, LX50, LX31/41, AB46RT European SP, AB46RT Dual fuel, AB46RT, SL20, LX31/LX41/LX50, AB46RT 4WD, AB46 I/C 2WD, AB46, LX31DD/LX41DD, AB46 Electric & Bi-energy

REF [164TA7615](#)



- Diameter: 30 mm
- Length: 41 mm
- Button colour: black

Used on LX31, LX41, AB62, LX50, AB46RT European SP, AB46RT Dual fuel, AB46RT, SB80, AB46RT 4WD, AB46, AB46 I/C 2WD, AB46RT, LX31DD/LX41DD, AB46 Electric & Bi-energy

REF [164TA7626](#)

## COMPLETE PUSH BUTTONS



- Built-in diameter: 12 mm
- Length: 26,5 mm
- Button colour: black

Used on MX19

REF [164TA7520](#)



- Built-in diameter: 16 mm
- Length: 34 mm
- Button colour: red



Used on LX31, LX41, LX50, SL26, 30RT, 30SL, AB62, SB80, MX15, MX19, LX31/41, SL26RT/SL30RT, SL26N/SL30N, SL20 1, SL26, 30SL, 30N, LX31DD/LX41DD, X series

REF [126TA5215](#)

## TOGGLE SWITCHES

	Number of connections	Maximum voltage V	Current A	Used on	REF
	6	277	10	LX31, LX41, LX50, SL26, 30RT, 30SL, AB62, SB80, MX15/MX19, SL26RT/SL30RT, SL26N/SL30N, LX31DD/LX41DD, X series	<a href="#">127TA2721</a>
	3	250	12	LX31, LX41, LX50, AB62, SL20, AB46RT, SB80, SL20 (20V), SL26, 30SL, LX31DD/LX41DD, AB85RJ, AB60JRT	<a href="#">106TA1443</a>
	3	250	12	LX31, LX41, LX50, AB62, AB46RT European SP, AB46RT Dual fuel, AB46RT, LX31/41, AB46RT, SB80, SL26, 30RT, 30SL, AB46RT 4WD, SL26RT/SL30RT, SL26N/SL30N, SL26, 30SL, 30N, LX31DD/LX41DD, AB50JRT	<a href="#">146TA1783</a>
	6	250	10	SL26, 30RT, TM12, MX15, MX19, X20N, X20W, X26N, SL20D, SL26RT/SL30RT, TM12, SL20 1, SL14, AB85RJ, AB60JRT	<a href="#">145TA1947</a>



TOGGLE SWITCHES					
	Number of connections	Maximum voltage V	Current A	Used on	REF
	6	277	15	AB50JRT, AB85RJ, AB50JRT	<a href="#">126TA5378</a>
	6	250	12	AB62, AB46RT European SP, AB46RT Dual fuel, AB46RT, AB62, AB46RT 4WD, AB46, AB46 I/C 2WD, AB46 Electric & Bi-energy	<a href="#">126TA5388</a>
	3	125-350	20	AB38, MB20/26, TL38, AB38	<a href="#">146TA3723</a>

### SWITCH ACCESSORY



1 hole cover

Used on SL26, SL20, SL14

**REF [151TA2363](#)**

### RUBBER BELLOWS SWITCH



- Full toggle switch
- Made of rubber
- Length: 25 mm
- Width: 17 mm
- Height: 15 mm

Used on LX31, LX41, LX50, AB46RT European SP, AB46RT, AB46RT 4WD, X series, MX15/MX19, SL26, 30RT, TM12

**REF [151TA2351](#)**



## PRESSURE CONTACTS



- Thread: 1/4" BSP
- Connection: 4 x blade
- Switch mode: change over
- Pressure range: 101 bar
- Length: 84 mm

Used on SL20

**REF [164TA7742](#)**



- Thread: 1/4" NPT
- Connection: 3 x wires
- Switch mode: change over
- Pressure range: 14 bar
- Length: 77,5 mm

Used on LX50, LX31, LX41, LX31DD/LX41DD

**REF [164TA7749](#)**



- Thread: 1/4" NPT
- Connection: 3 x wires
- Switch mode: change over
- Pressure range: 38 bar
- Length: 62,7 mm

Used on AB46, AB46 Electric & Bi-energy

**REF [164TA7739](#)**



- Thread: 1/4" NPT
- Connection: 3 x wires
- Switch mode: change over
- Pressure range: 52 bar
- Length: 79 mm

Used on LX31, LX41, AB46, AB46 Electric & Bi-energy

**REF [164TA7747](#)**



- Thread: 1/8" BSP conical
- Connection: 1 x screw
- Switch mode: normally closed
- Pressure range: 0,6 bar
- Length: 34,5 mm

Used on LX50, LX31, LX41, AB46 I/C 2WD, AB46, SL26RT/SL30RT, SL26N, 30SL, 30N, LX31DD/LX41DD

**REF [164TA7748](#)**



- Thread: 7/16" UNF
- Connection: 1 x loose connector
- Switch mode: multiple, different or with signal
- Length: 89 mm

Used on S1930E, S1932E, S2646E, S3246E

**REF [164TA7746](#)**



- Thread: 7/16" UNF
- Connection: 1 x loose connector
- Switch mode: multiple, different or with signal
- Pressure range: 200 bar/3000 psi
- Length: 69 mm

Used on MX19

**REF [163TA7912](#)**



## PLUNGER SWITCH



- Thread: 9/16" UNF
- Wrench size: 7/8"

Used on U-DRIVE25, LX31, LX41, LX50, AB46RT European SP, AB46RT Dual fuel, AB46RT, LX31/41, AB46RT, LX31DD/LX41DD, AB46, AB46 I/C 4WD, TL49, AB46 Electric & Bi-energy, X20N, X20W, W26N

**REF [164TA7750](#)**



## PROXIMITY SENSORS



- Length: 82 mm
- Width: 19 mm
- Height: 19 mm
- Switch type: NO NC
- Voltage: 250 VAC/300 VDC

Used on SL20, MW20/26

**REF [164TA7586](#)**



- Length: 54 mm
- Width: 16,5 mm
- Height: 32 mm
- Switch type: NO
- Voltage: 100 V

Used on S3370, S2770, SP17, SP18, SP20, SP22

**REF [164TA7569](#)**



- Height: 52 mm
- Diameter: 18 mm
- Switch type: NO-PNP output
- Voltage: 10-30 VDC

Used on MX19

**REF [165TA4520](#)**



- Height: 65 mm
- Diameter: 30 mm
- Switch type: NO-PNP output
- Voltage: 10-30 VDC

Used on LX31, LX41, LX50, X20N, X20W, X26N, X26UN, X32N, SL6SL/SL30SL

**REF [164TA7574](#)**



- Length: 29 mm
- Width: 19,2 mm
- Height: 7 mm
- Switch type: NO
- Voltage: 100 V

Used on MX15, MX19, TM12

**REF [164TA7579](#)**



- Length: 38,5 mm
- Width: 19,2 mm
- Height: 7 mm
- Switch type: magnet

Used on LX50, LX31, LX41, SL20, XS, LX31DD, LX41DD, X series

**REF [164TA7581](#)**



- Length: 38,5 mm
- Width: 19,2 mm
- Height: 7 mm
- Switch type: NO
- Voltage: 100 V

Used on LX50, LX31, LX41, SL20, X series, LX31DD/LX41DD

**REF [164TA7585](#)**





## TILT SENSORS



- Length: 103 mm
- Width: 37,5 mm
- Height: 32 mm

Used on XM19

**REF [164TA7125](#)**



- Height: 113,5 mm
- Diameter: 97 mm
- Switch type: normally closed
- Voltage: 12–24 VDC
- Detection: 2°, 2-sec delay

Used on SL26, 30SL

**REF [160TA3914](#)**



- Height: 11 mm
- Diameter: 43 mm

Used on U-DRIVE25, LX50, LX31/LX41/LX50, LX31, LX-50, LC41, SL26, 30SL, UL II series

**REF [161TA2024](#)**



- Height: 113 mm
- Diameter: 90 mm
- Switch type: normally closed
- Voltage: 12–24 VDC
- Detection: 3°, 2,7-sec delay

Used on X20N, X20W, X26N, X26UN, X32N

**REF [164TA7571](#)**



- Height: 116 mm
- Diameter: 97 mm
- Switch type: normally closed
- Voltage: 24 V
- Detection: 2°

Used on U-DRIVE25, SL20, MW15, MX19, SL26, 30RT, SL20 (12V), SL20D, SL14, SL20 1, X20N, X20W, X26N, SL26RT/SL30RT, SL26N/SL30N, TM12, SL26/30N, X series

**REF [160TA4069](#)**



- Height: 116 mm
- Diameter: 86 mm
- Switch type: normally closed
- Voltage: 12–24 VDC
- Detection: 3°, 1-sec delay

Used on AB62, LX31, LX50, LX41, AB62, AB46RT European SP, AB46RT, X series, XS, AB46RT 4WD, SL26, 30N, LX31DD, LX41DD, X series

**REF [164TA7582](#)**



- Height: 116 mm
- Diameter: 97 mm
- Switch type: normally closed
- Voltage: 0–48 V
- Detection: 3°, 1-sec delay

Used on AB38, A38E, X26N

**REF [164TA7584](#)**



- Height: 60 mm
- Diameter: 84 mm
- Switch type: normally closed
- Voltage: 12–24 VDC
- Detection: 3°, 1-sec

Used on A38E

**REF [164TA7572](#)**



## TILT SENSOR



- Height: 46,5 mm
- Diameter: 13,2 mm
- Switch type: NC horizontal or up, NO down
- Voltage: 240 V

Used on LX50, LX31, LX41, MX15, MX19, SL26, 30SL, XS, SL26RT, SL30RT, SL26N/SL30N, SL26, 30N, X series

**REF [164TA7580](#)**

## LOAD CELLS



- Length: 145 mm
- Width: 25 mm
- Height: 19 mm

Used on AB85RJ

**REF [164TA7565](#)**



- Length: 175 mm
- Width: 130 mm
- Height: 80 mm

Used on AB38, A38E

**REF [164TA7583](#)**



## BATTERY DISCHARGE INDICATOR



- Voltage: 24–48 V
- Built-in diameter: 52 mm
- Lift lock-out: yes
- Connection: 6 x blade

Used on SL20, MX15, MX19, SL20 (12V), TM12, X20N, X20W, X26UN, X32N, TM12, SL20 1, X series, SL14

**REF [164TA7019](#)**

## HOUR METER



- Voltage: 12-48 V
- Depth: 28,5 mm
- Width: 56,5 mm
- Length: 36,5 mm
- Number of digits: 6



Used on LX31, LX41, LX50, AB62, AB46RT European SP, AB46RT Dual fuel, AR46RT, X series, SB80, SL20, XRT27, XRT33, SL30, 30RT, SL20, SL20 (12V), SL26, 30SL, AB46RT 4WD, AB46, MX15, MX19, SL26RT/SL30RT, SL26N/SL30N, TM12, SL20 1, 30N, AB45 Electric & Bi-energy, SL26

**REF [164TA7427](#)**



## CARTRIDGE VALVE



- Width across flats: 7/8"
- Length: 70,4 mm
- Diameter: 15 mm

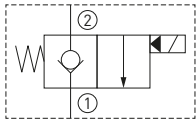
Used on AB62, AB46RT European SP, AB46 Dual fuel, AB46RT, AB46RT 4WD, AB62, AB46 I/C 2WD, AB46 Electric & Bi-energy

**REF [164TA7136](#)**

## CARTRIDGES WITH COIL



- Voltage: 24 V
- AC/DC: DC
- Resistance: 29,1  $\Omega$
- Diameter: 16,4 mm
- Length: 107 mm

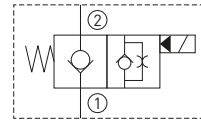


Used on TM12, SL20D, SL26RT, SL30RT, SL26N, SL30N, TM2, SL26, 30RT, 30N

**REF [164TA7139](#)**



- Voltage: 18 V
- AC/DC: DC
- Resistance: 15,5  $\Omega$
- Diameter: 13,3 mm
- Length: 171 mm

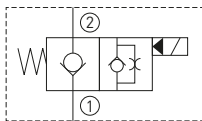


Used on MB20/26

**REF [165TA4450](#)**



- Voltage: 10 V
- AC/DC: DC
- Resistance: 6,3  $\Omega$
- Diameter: 13 mm
- Length: 108 mm

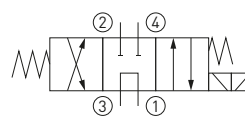


Used on SL20, XRT27, XTR33, SL20 (12V), UL II series

**REF [164TA7143](#)**



- Voltage: 48 V
- AC/DC: DC
- Resistance: 83  $\Omega$
- Diameter: 16,2 mm
- Length: 191 mm

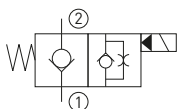


Used on AB46, AB46 Electric & Bi-energy

**REF [164TA7145](#)**



- Voltage: 20 V
- AC/DC: DC
- Resistance: 24,3  $\Omega$
- Diameter: 13 mm
- Length: 76,5 mm

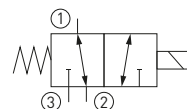


Used on X series, MX15, MX19, SL20, XS, X20N, X20W, X26N, X26UN, X32N, SL14

**REF [164TA7150](#)**



- Voltage: 10 V
- AC/DC: DC
- Resistance: 5,9  $\Omega$
- Diameter: 16 mm
- Length: 119,3 mm



Used on SL26, 30SL, SL26RT/SL30RT, SL26N, SL30N, SL26, 30RT, 30SL, 30N

**REF [164TA7151](#)**



## CARTRIDGES WITH COIL



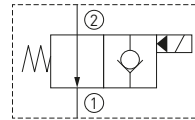
- Voltage: 10 V
- AC/DC: DC
- Resistance: 4 Ω
- Diameter: 16 mm
- Length: 106 mm

Used on MX15, MX19, SL20 1, X series, SL14

**REF [164TA7152](#)**



- Voltage: 20 V
- AC/DC: DC
- Resistance: 28,8 Ω
- Diameter: 13 mm
- Length: 85 mm

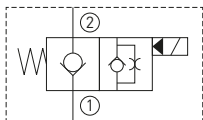


Used on X series, MX15, MX19, SL20, XS, X20N, X20W, X26N, X26UN, X32N, SL20 1

**REF [164TA7154](#)**



- Voltage: 20 V
- AC/DC: DC
- Resistance: 24,3 Ω
- Diameter: 13 mm
- Length: 108,4 mm



Used on X series, MX15, MX19, SL20, X20N, X20W, X26N, X26UN, X32N, SL20 1

**REF [164TA7155](#)**

**Cartridges exist in a variety of dimensions and wiring diagrams. When placing an order, always provide the necessary info with regard to the wiring diagram, as cartridges may have identical dimensions yet be connected in different ways.**

## PRESSURE VALVES (FLOW)



- Thread: 3/4" UNF
- Length: 67 mm

Used on AB38, A38E

**REF [164TA7703](#)**



- Thread: M20 x 1,2 mm
- Length: 87 mm

Used on AB38, MB20/26, MX19, A38E, TL38, TL49, SP37, X26N,

**REF [164TA7704](#)**



- Thread: 7/8" UNF
- Length: 92,4 mm

Used on AB62

**REF [164TA7702](#)**



## HYDRAULIC BRAKE AND PART



- Diameter: 176 mm
- Height: 142 mm

REF [164TA7503](#)

## HYDRAULIC MOTOR PART



Used on SL26, 30RT, 30SL, SL26RT/SL30RT

REF [164TA7259](#)

## HYDRAULIC CYLINDERS



- Hydraulic cylinder
- Total measured length: 341 mm
- Diameter tube: 66,5 mm
- Diameter rod: 25,5 mm

Used on X series, MW15, MX19, X20N, X20W, X26N

REF [164TA7440](#)



- Special type
- Total measured length: 437 mm
- Diameter tube: 60 mm
- Diameter rod: 20 mm

Used on AB38, A38E, TL49

REF [164TA7432](#)



- Steering cylinder
- Total measured length: 279,4 mm
- Diameter tube: 114-66,5 mm
- Diameter rodd: 25,4 mm
- Piston shaft stroke: 22,4 mm

Used on SL20, SL20 (12V)

REF [164TA7438](#)



- Steering cylinder
- Total measured length: 280 mm
- Diameter tube: 60,5 mm
- Diameter rod: 25,4 mm

Used on SL20D, SL26N, SL30N, SL20 1, SL26, 30N, SL20

REF [164TA7433](#)



- Steering cylinder
- Total measured length: 580 mm
- Diameter tube: 67 mm
- Diameter rod: 38 mm

Used on SL20, MW15, MX19, SL20 (12V)

REF [164TA7437](#)



- Steering cylinder
- Total measured length: 670 mm
- Diameter tube: 60 mm
- Diameter rod: 35 mm

Used on AB38, A38E

REF [164TA7439](#)



## HYDRAULIC CYLINDERS



- Steering cylinder
- Total measured length: 806 mm
- Diameter tube: 95,25 mm
- Diameter rod: 50,8 mm

Used on AB46RT 4WD, AB46RT European SP, AB46RT Dual fuel, AB46, AB46 I/C 2WD, AB46 Electric & Bi-energy

**REF [164TA7436](#)**



- Tilt cylinder or double-acting
- Total measured length: 288 mm
- Diameter tube: 65 mm
- Diameter rod: 20 mm
- Piston shaft stroke: 76 mm

Used on TM12

**REF [164TA7428](#)**



- Tilt cylinder or double-acting
- Total measured length: 290 mm
- Diameter tube: 65 mm
- Diameter rod: 20 mm
- Piston shaft stroke: 68 mm

Used on TM12

**REF [164TA7442](#)**



- Tilt cylinder or double-acting
- Total measured length: 905 mm
- Diameter tube: 100 mm
- Diameter rod: 45 mm
- Piston shaft stroke: 435 mm

Used on AB38, A38E

**REF [164TA7435](#)**

## HYDRAULIC HOSE



- Length: 860 mm
- Pressure: WP 350 bar

**REF [164TA7237](#)**

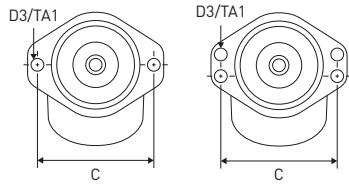




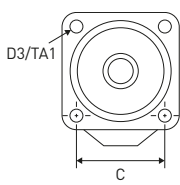
## HYDRAULIC MOTORS

### Type of flange

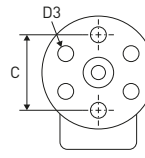
Type A



Type C



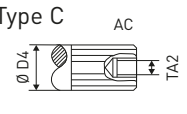
Type D  
Number of holes is not important for this type



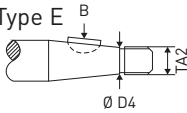
Type S: special shape, none of the previous types

### Type of shaft

Type C



Type E



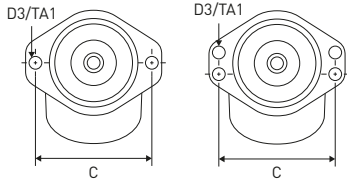
	Thread connections inch	Type of flange	Type of shaft	Total length mm	Used on	REF
	3/8" BSP	D	E	277	X20N, X20W, X26N, X26UN, X32N	<a href="#">164TA7263</a>
	1 1/16" UNF	C	E	380	LX50, LX31, LX41,	<a href="#">131TA9498</a>
	1 1/16" UNF	S	E	381	LX31, LX41, LX50	<a href="#">164TA7254</a>
	3/8" BSP	D	E	265	MX19	<a href="#">164TA7260</a>
	3/8" BSP	C	E	206	TM12	<a href="#">164TA7253</a>
	9/16" UNF	S	E	205	TM12	<a href="#">164TA7258</a>
	9/16" UNF	C	E	211	SL20, SL20 (12V)	<a href="#">131TA6815</a>



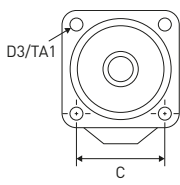
## HYDRAULIC MOTORS

### Type of flange

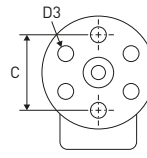
Type A



Type C



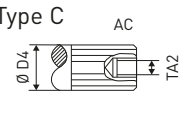
Type D  
Number of holes is not important for this type



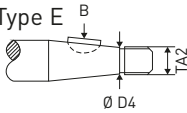
Type S: special shape, none of the previous types

### Type of shaft

Type C



Type E



	Thread connections inch	Type of flange	Type of shaft	Total length mm	Used on	REF
	7/8" UNF	A	C	217,7	LX50, LX31, LX41, LX31DD, LX41DD	<a href="#">164TA7256</a>
	7/8" UNF	C	E	239	X series, SL20D, SL20, X20N, X20W, X26N, SL20 1	<a href="#">131TA6830</a>
	7/8" UNF	A	C	294	SL26, 30RT, SL26RT, SL30RT, 30SL	<a href="#">131TA6899</a>
	7/8" UNF	C	E	233	MX15, MX19, TM12	<a href="#">131TA6825</a>
	7/8" UNF	C	E	301	SL26N, SL30N, SL26, 30N	<a href="#">164TA7257</a>
	7/8" UNF	C	E	319	SK26, 30RT, 30SL, SL26RT, SL30RT, SL26N, SL30N, SL26, 30N	<a href="#">131TA6819</a>



HYDRAULIC PUMPS					
	Total length	Neck diameter	Direction of rotation	Material of housing	REF
	mm	mm			
	102	45,2	CCW	Aluminium	<a href="#">164TA7268</a>
	121	45,2	CCW	Aluminium	<a href="#">147TA6760</a>
	136,3	45,2	CCW	Metal	<a href="#">164TA7275</a>
	157	31,7	CW	Metal	<a href="#">165TA4521</a>



HYDRAULIC PUMP GROUPS				
	Electric motor V	AC/DC	Power kW	REF
	24	DC	2,4	<a href="#">164TA7248</a>
	24	DC	2,4	<a href="#">164TA7249</a>
	24	DC	3	<a href="#">164TA7247</a>
	48	DC	4	<a href="#">164TA7245</a>
	48	DC	2,57	<a href="#">164TA7244</a>



## LINK STEERING CYLINDERS



- Type: A
- Minimum distance between holes: 78 mm
- Maximum width at the hole: 21 mm
- Total length: 137 mm
- Diameter smallest hole: 17 mm

**REF [164TA7599](#)**



- Type: B
- Minimum distance between holes: 129 mm
- Maximum width at the hole: 9,8 mm
- Total length: 198,5 mm
- Diameter smallest hole: 22 mm

**REF [164TA7606](#)**



- Type: B
- Minimum distance between holes: 129 mm
- Maximum width at the hole: 9,8 mm
- Total length: 198,5 mm
- Diameter smallest hole: 22 mm

**REF [164TA7607](#)**



- Type: B
- Minimum distance between holes: 148 mm
- Maximum width at the hole: 10,4 mm
- Total length: 209 mm
- Diameter smallest hole: 12,7 mm

**REF [164TA7598](#)**



- Type: C
- Minimum distance between holes: 160 mm
- Maximum width at the hole: 57 mm
- Total length: 127 mm
- Diameter smallest hole: 16 mm

**REF [164TA7608](#)**



## EXHAUST CLAMP



- Inside clamp diameter: 45 mm
- Length: 43,2 mm

Used on SL20, MX19

**REF [155TA1161](#)**

## FUEL PUMP



- Total height: 90 mm
- Centre distance: 36 mm
- Number of holes: 2

Used on LX31, LX41, LX50, AB46RT, AB46 I/C 2WD, AB46

**REF [152TA3228](#)**

## ENGINE STOP SOLENOIDS



- Voltage: 12 V
- Type of current: DC
- Function: pull
- Mounting side: both sides
- Length: 160,5 mm

**REF [122TA7873](#)**



- Voltage: 12 V
- Type of current: DC
- Function: pull
- Mounting side: both sides
- Length: 162,5 mm

**REF [151TA2316](#)**



- Voltage: 12 V
- Type of current: DC
- Function: pull
- Mounting side: both sides
- Length: 59,7 mm

**REF [151TA2362](#)**



- Voltage: 12 V
- Type of current: DC
- Function: pull
- Mounting side: both sides
- Length: 128,7 mm

**REF [135TA2497](#)**



- Voltage: 12 V
- Type of current: DC
- Function: pull
- Mounting side: both sides
- Length: 196 mm

**REF [122TA7879](#)**



## V-BELT



- Belt width string: 10 mm
- Belt height: 7,5 mm
- Outside length: 950 mm

Used on LX31, LX41, LX50, AB46 I/C 2WD, AB46, LX31DD, LX41DD

**REF [106TA9059](#)**

## STARTERS



- Voltage: 12 V
- Power: 1 kW
- Number of teeth: 9

**REF [103TA3220](#)**



- Voltage: 12 V
- Power: 1 kW
- Number of teeth: 9

**REF [164TA7610](#)**



- Voltage: 12 V
- Power: 1,4 kW
- Number of teeth: 15

**REF [103TA3408](#)**



- Voltage: 12 V
- Power: 2,1 kW
- Number of teeth: 10

**REF [103TA3314](#)**



- Voltage: 24 V
- Power: 1,4 kW
- Number of teeth: 9

**REF [165TA4522](#)**





FILTERS					
	Outer diameter mm	Inner diameter mm	Height mm	Used on	REF
<b>Oil filters</b>					
	97	23,2	138	AB46RT European SP, AB46RT Dual fuel, AB46RT, SL20, XRT27, XTR33, SL20 (12V), X series, MX19, X20N, X20W, X26N, X26UN, X32N, MX15, AB46RT 4 WD, AB46 I/C 2WD, SL20D, SL20 1, SL14, TL38, AL33	<a href="#">139TA6823</a>
	50	25,3	76,7	AB38, MB20/26, A38E, TL49	<a href="#">147TA6571</a>
	96	24,6	140	MX19, TL38, TL33	<a href="#">152TA2826</a>
	52	24,5	65,6	MX19, TL38, TL33	<a href="#">165TA4523</a>
	85	18,5	78,0	AB46RT European SP, AB46RT, AB46RT 4 WD, AB46, AB46 Electric & Bi-Energy	<a href="#">139TA5975</a>
	43	43,5	162	TL34	<a href="#">165TA4183</a>



## CABIN ACCESSORY



- Length: 245 mm
- Width: 24 mm
- Height: 45 mm
- Diameter holes: 6,7 mm

Used on AB38, SL20, A38E, T38, S3370BE, S2770RT

**REF [151TA1695](#)**

## CHASSIS ACCESSORIES



- Diameter: 105 mm
- Height: 37,5 mm

Used on U-DRIVE25, UL II series

**REF [164TA7099](#)**



- Length: 154 mm
- Width: 154 mm
- Height: 89 mm

Used on AB38, A38E

**REF [164TA7097](#)**



- Length: 540 mm
- Width: 410 mm
- Height: 65 mm

Used on MB20/26

**REF [164TA7098](#)**

## BALL JOINT



- Type of rod end: inner thread
- Length: 32 mm
- Thread: 1/4" UNF
- RH/LH thread: RH

Used on LX50, LX31, LX41, AB46RT European SP, AB46RT Dual fuel, AB46RT, AB46, XRT27, XRT33, AB46 Electric & Bi-energy, SL26RT, SL30RT, SL26N, SL30N, SL26, 30N, LX31DD, LX41DD

**REF [105TA1476](#)**



## BALL JOINT ROD END



- Outer diameter: 18,7 mm
- Inner diameter: 6,4 mm
- Height: 30 mm

Used on LX50, LX31, LX41, AB46RT European SP, AB46RT, AB46RT Dual fuel, AB46, AB46 AB46 Electric & Bi-energy, AB46RT 4WD, AB45 I/C 2WD, SL26RT, SL30RT, SL26N, SL30N, SL26, 30N, LX31DD, LX41DD

REF [164TA7513](#)

## CONTROL CABLES

	Length cable mm	Diameter cable mm	Length sleeve mm	Used on	REF
	1465	3,6	1280	TL38, TL33	<a href="#">151TA1698</a>
	2410	2,0	2270	MX19	<a href="#">164TA7314</a>
	2515	1,3	2385	MX15, MX19	<a href="#">164TA7318</a>
	2960	3,2	2540	X20N, X20W, X26N	<a href="#">165TA4524</a>
	3000	1,0	2850	MX19	<a href="#">164TA7317</a>
	4700	1,2	4590	X series, X20N, X20W, X26UN, X32N, X26N	<a href="#">164TA7316</a>



## DOOR HANDLES



- Length: 120 mm
- Width: 30 mm
- Height: 60 mm

Used on SL26SL, SL30SL, S3370, S2770

**REF [164TA7290](#)**



- Length: 121 mm
- Width: 92 mm
- Height: 35,7 mm

Used on X series, XRT27, XRT33, X20N, X20W, X26N, X26UN, X32N

**REF [164TA7302](#)**



- Length: 125 mm
- Width: 41,5 mm
- Height: 20 mm

Used on AB38, MX19, A38E, TL38, TL33

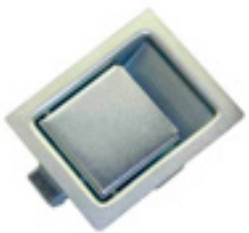
**REF [164TA7301](#)**



- Length: 66 mm
- Width: 53 mm
- Height: 21 mm

Used on SL20

**REF [164TA7297](#)**



- Length: 67 mm
- Width: 84 mm

Used on TM12

**REF [164TA7298](#)**



- Length: 80 mm
- Width: 29,5 mm
- Height: 21,5 mm

Used on SL50, LX31, LX41, SL20, MX15, MX19, SL26, 30RT, SL20 (12V), SL26, 30SL, SL20D, SL26RT, SL30RT, SL26N, SL30N, SL20 1, 30SL, 30N, LX31DD, LX41DD, SL26, SL20, SL14

**REF [164TA7303](#)**



- Length: 84 mm
- Width: 40 mm
- Height: 57 mm

Used on LX50, LX31, LX41, SL26, 30RT, 20SL, 30SL, MB20/26, 30N, LX31DD, LX41DD

**REF [164TA7300](#)**



## FLANGE



- Total length: 34,4 mm
- Biggest diameter: 180 mm
- Number of mounting holes: 4
- Type flange: mainly round

Used on SL20

REF [164TA7241](#)

## CABLE GUIDES



- Outside dimensions: 89 x 50 mm
- Inside dimensions: 73 x 35 mm
- Material: plastic

Used on AB38, A38E

REF [164TA7320](#)



- Outside dimensions: 92 x 63,5 mm
- Inside dimensions: 73 x 44,5 mm
- Material: plastic

Used on AB38, SP37

REF [164TA7319](#)



- Outside dimensions: 90,5 x 50 mm
- Inside dimensions: 76 x 34 mm
- Material: plastic

Used on AB38, A38E

REF [164TA7323](#)

## CABLE GUIDE PART



- Kit of 2 pieces
- Length: 79 mm
- Width: 93 mm

Used on AB38, A38E

REF [160TA2645](#)

## TUBE



- Total length: 665 mm
- Diameter: 32 mm

Used on AB38, MB20/26

REF [164TA7011](#)



## WEAR PADS



- Diameter: 148 mm
- Material: plastic

Used on X series, MX15, MX19, XRT27, XRT33, X20N, X20W, X26N, X26UN, X32N

**REF [164TA7178](#)**



- Diameter: 40 mm
- Material: plastic

Used on X26, X32

**REF [164TA7187](#)**



- Diameter: 51 mm
- Thickness: 5,7 mm
- Material: plastic

Used on MX15, MX19

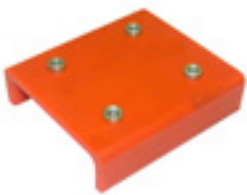
**REF [164TA7657](#)**



- Length: 100 mm
- Material: plastic

Used on A38E, TL49, SP37, A38E

**REF [164TA7193](#)**



- Length: 100 mm
- Material: plastic

Used on AB38, A38E

**REF [164TA7194](#)**



- Length: 127 mm
- Material: plastic

Used on TM12

**REF [164TA7195](#)**



- Length: 127 mm
- Material: plastic

Used on TM12

**REF [164TA7196](#)**



- Length: 141 mm
- Material: plastic

Used on U-DRIVE25, UL II series

**REF [164TA7201](#)**



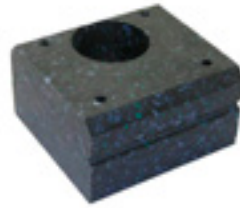
## WEAR PADS



- Length: 420 mm
- Material: plastic

Used on X26N

**REF [164TA7180](#)**



- Length: 82,3 mm
- Material: plastic

Used on X15, MX19

**REF [164TA7190](#)**



- Length: 76,5 mm
- Material: plastic

Used on X series, X20N, X20W,  
X26N, X26UN, X32N

**REF [165TA4525](#)**





## PROTECTIVE COVERS



- Length: 2650 mm
- Width: 1550 mm
- Height: 7300 mm

Used on UL II Series

**REF [164TA7112](#)**



- Length: 410 mm
- Width: 395 mm
- Height: 75 mm

Used on UL II series

**REF [164TA7116](#)**



- Length: 840 mm
- Width: 410 mm

Used on AB38, A38E

**REF [164TA7118](#)**



- Length: 212 mm
- Width: 130 mm
- Height: 90 mm

Used on X series, SL20, XRT27, XRT33, X20N, X20W, X26N, X26UN, X32N

**REF [164TA7417](#)**

## GAS SPRINGS/SHOCK ABSORBERS



- Push type
- Force: 380 N
- Centre distance: 305 mm

Used on U-DRIVE25, MX50, LX31, LX41, AB46RT European SP, AB46RT Dual fuel, AB46RT, SL26, 30RT, 30SL, UL II series, AB46RT 4WD, AB46, AB46 I/C 2WD, 30N, LX31DD, LX41DD, AB46 Electric & Bi-energy

**REF [164TA7204](#)**



- Push type
- Force: 1200 N
- Centre distance: 560 mm

Used on AB62

**REF [165TA4526](#)**



## DECALS



- Length: 160 mm
- Height: 82 mm

Used on U-DRIVE25, LX50, LX31, LX41, AB62, AB46RT European SP, AB46RT, AB46RT 4WD, AB46 I/C 2WD, X series, SB80, SL20, XRT27, XRT33, SL26, 30RT, SL20 (12V), 30SL, TM12, X20N, X20W, X26N, X26UN, X32N, MX15, MX19, SL26RT, SL30RT, SL26N, SL30N, SL20 1, 30N, UL25, UL32, UL40, LX31DD, LX41DD

REF [164TA7367](#)



- Length: 116 mm
- Height: 68 mm

Used on LX50, LX31, LX41, AB62, AB46RT European SP, AB46RT Dual fuel, AB46RT, AB46RT 4WD, AB46, AB46RT I/C 2WD, SL20, X series, SB80, XTR27, XTR33, SL26, 30RT, SL20 (12V), 30SL, TM12, X20N, X20W, X26N, X226UN, X32N, MX15, MX19, SL26RT, SL30RT, SL26N, SL30N, SL26, 30N, SL20 1, LX31DD, LX41DD, X series

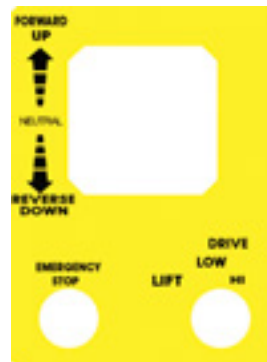
REF [164TA7369](#)



- Length: 276 mm
- Height: 178 mm

Used on X series, MX15, MX19, X20N, X20W, X26N, X26UN, X32N

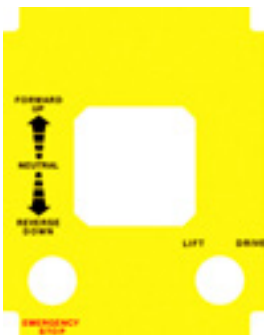
REF [164TA7363](#)



- Length: 135 mm
- Height: 185 mm

Used on X series

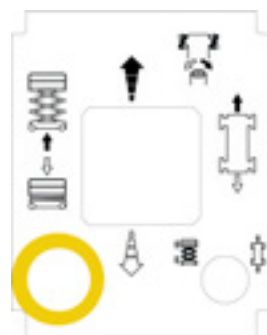
REF [126TA9853](#)



- Length: 168 mm
- Height: 211 mm

Used on MX15, MX19, SL20

REF [163TA5402](#)



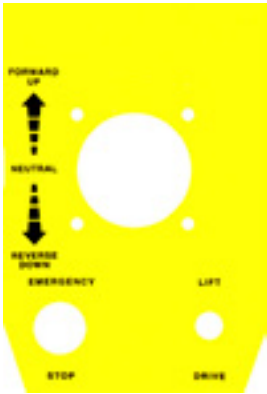
- Length: 168 mm
- Height: 211 mm

Used on MX19, X series, X20N, X26N, X26N, X26UN, X32N

REF [163TA4296](#)



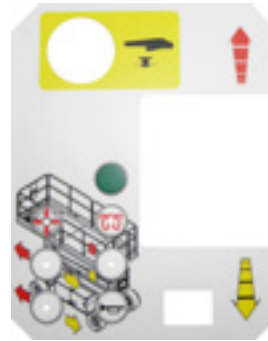
## DECALS



- Length: 136 mm
- Height: 202 mm

Used on MX15, MX19, SL20 1

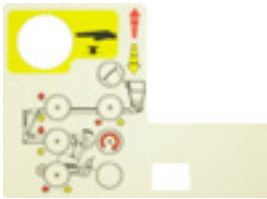
**REF [164TA7360](#)**



- Length: 158 mm
- Height: 203 mm

Used on SL26SL, SL30SL

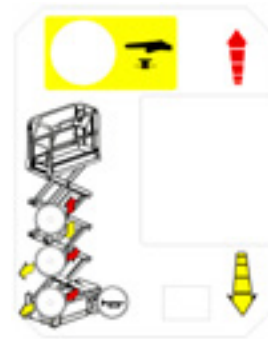
**REF [162TA9081](#)**



- Length: 196 mm
- Height: 145 mm

Used on AB38, A38E

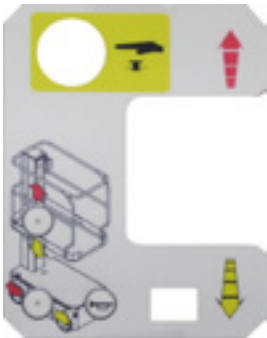
**REF [138TA3429](#)**



- Length: 158 mm
- Height: 203 mm

Used on MX19, X26N

**REF [163TA7213](#)**



- Length: 160 mm
- Height: 203 mm

Used on TM12

**REF [138TA3822](#)**



- Length: 275 mm
- Height: 173 mm

Used on MX19

**REF [163TA4849](#)**



- Length: 149 mm
- Height: 259 mm

Used on AB28

**REF [138TA2785](#)**



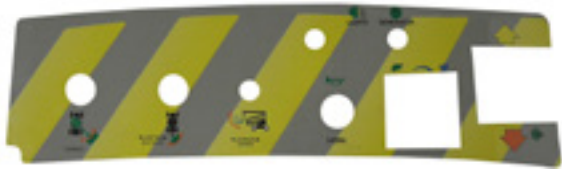
- Length: 171 mm
- Height: 278 mm

Used on TM12

**REF [163TA6842](#)**



## DECALS



- Length: 508 mm
- Height: 138 mm

Used on AB62

**REF [164TA7358](#)**



- Length: 80 mm
- Height: 70 mm

Used on SL20, MX19, MX20/26, X series, TM12

**REF [138TA2474](#)**



- Length: 90 mm
- Height: 117 mm

Used on LX50, LX31, LX41, AB62, AB46RT European SP, AB46RT Dual fuel, AB46RT, AB46, AB46RT 4WD, AB46 I/C 2WD, X series, AB46RT, SB80, MX15, MX19, XRT27, XRT33, X20N, X20W, X26N, X26UN, X32N, LX31DD, LX41DD

**REF [164TA7368](#)**



- Length: 90 mm
- Height: 150 mm

Used on LX50, LX31, LX41, X series, SB80, MX15, MX19, LX31DD, LX41DD, X20N, X20W, X26N, X26UN, X32N

**REF [126TA9792](#)**



## CASTORS



- Diameter wheel: 100 mm
- Number of bolt holes: 4
- Width wheel: 50 mm
- Total height: 130 mm

Used on U-DRIVE25, UL II series

**REF [164TA7753](#)**



- Diameter wheel: 102 mm
- Number of bolt holes: 4
- Width wheel: 32 mm
- Total height: 130 mm

Used on UL SERIES

**REF [164TA7752](#)**



- Diameter wheel: 150 mm
- Number of bolt holes: 4
- Width wheel: 50 mm
- Total height: 195 mm

Used on U-DRIVE25, UL II series

**REF [164TA7754](#)**

## HUB WHEELS



- Total height: 56,3 mm
- Conical mounting hole: 38,2-32 mm
- Number of holes: 6

Used on MX50, LX31, LX41

**REF [164TA7242](#)**



- Total height: 38,1 mm
- Conical mounting hole: 31,5-26,95 mm
- Number of holes: 4

Used on X series, SL20, SL20 (12V), X20N, X20W, X26N, X26UN, X32N

**REF [164TA7239](#)**



LOAD WHEELS					
	Diameter wheel mm	Width wheel mm	Diameter shaft mm	Used on	REF
	254	58,4	19,1	U-DRIVE25, UL II series	<a href="#">151TA2605</a>
	305	100	31,8	MX19	<a href="#">164TA7723</a>
	305	100	31,8	MX19	<a href="#">141TA4894</a>
	305	105	31,7	MX15, MX19	<a href="#">151TA2514</a>
	305	76	44,5	TM12	<a href="#">164TA7728</a>



TRACTION WHEELS						
	Diameter wheel	Width wheel	Diameter shaft	Number of bolt holes	Used on	REF
	mm	mm	mm			
	305	100	113	4	MX19	<a href="#">147TA2786</a>
	305	100	28	0	MX19	<a href="#">141TA4895</a>
	305	76	27	2	TM12	<a href="#">129TA9844</a>
	305	76	27	0	TM12, M1230E	<a href="#">145TA9136</a>
	340	102	113	4	MB20/26	<a href="#">129TA8942</a>





TRACTION WHEELS						
	Diameter wheel	Width wheel	Diameter shaft	Number of bolt holes	Used on	REF
	mm	mm	mm			
	342	102	96	5	MB20/26	<a href="#">129TA9048</a>
	380	127	113	4	SL20	<a href="#">164TA7729</a>
	380	118	86	4	SL20, X series, SL20 (12V), X20N, X20W, X26N, X32N, X26UN	<a href="#">129TA8940</a>
	414	120	86	5	SL20D, SL20	<a href="#">129TA9045</a>
	559	229	110	5	AB38, A38E	<a href="#">164TA7725</a>



## PNEUMATIC TYRES



- Tubeless tyre
- Dimensions: 10 x 16,5

Used on LX50, LX41, LX31, AB46 I/C 2WD, AB46, MX31DD, LX41DD

**REF [152TA1854](#)**



- Tubeless tyre
- Dimensions: 14 x 17,5

Used on AB46RT, AB46RT 4WD

**REF [152TA1859](#)**

## WHEEL BOLT



- Length: 38,3 mm
- Thread type: 1/2" UNF
- Imperial pitch: 20 Pi
- RH/LH: RH

Used on LX50, LX31, LX41, XRT27, XRT33, SL26, 30SL, 30RT, SL20D, SL26RT, SL30RT, SL26N, SL30N, SL20 1, 30N, X20N, X20W, X26N

**REF [164TA7733](#)**

## WHEEL NUT



- Type: cone head
- Thread: 9/16" UNF
- Imperial pitch: 18 Pi
- Wrench opening: 1"

Used on LX50, LX31, LX41, AB46RT European SP, AB46RT Dual fuel, AB46RT, AB46RT 4WD, AB46RTI/C 2WD, AB46, LX31DD, LX41DD, AB46 Electric Bi-energy

**REF [104TA9936](#)**



AXLES/PINS			
	Diameter mm	Total length mm	REF
	15,8	56	<a href="#">164TA7001</a>
	19,0	40	<a href="#">164TA7006</a>
	19,0	50	<a href="#">164TA7010</a>
	19,0	57,5	<a href="#">161TA1876</a>
	30,0	185	<a href="#">164TA7005</a>
	31,7	50	<a href="#">164TA7012</a>



## LOCKING PINS



- Diameter pin: 10 mm
- Total length: 63,5 mm

Used on MX19

**REF [164TA7227](#)**



- Diameter pin: 9,5 mm
- Length: 69,8 mm

Used on LX31, LX41, LX50, X20N, X20W, X226N, X26UN, X32N

**REF [164TA7420](#)**



- Diameter pin: 9,4 mm
- Total length: 275 mm
- Length tether: 155 mm

Used on AB85RJ

**REF [164TA7208](#)**



- Diameter pin: 9,5 mm
- Total length: 52 mm

Used on U-DRIVE25, LX50, LX31, LX41, MX15, MX19, SL20, XRT27, XRT33, SL26, 30SL, 30RT, LX31DD, LX41DD, X series, X20N, X20W, X26N, X26UN, X32N, UL II series, X series, SL26RT, SL30RT, SL26N, SL30N, SL26, 30N, LX31DD, LX41DD, SL20, SL14

**REF [164TA7304](#)**



## SERVICE HAND CONSOLES



Optimizer OPTZ-4  
 · Controller brands: OEM controls  
 · Controller types: Superflex 4 SB controllers  
 · Type: ICE machines  
 · Serial communication

**REF [164TA7425](#)**



Overload calibrator

**REF [164TA7577](#)**



MOS90 Handset

**REF [106TA6377](#)** – Controller type: MOS90  
 – Type: electric machines  
 – Serial communication

**REF [145TA2488](#)** – Cable  
 – For MOS90 handset  
 – Adapter cable MOS90 handset to Millipak



Upright – diagnostic tool  
 · Controller brand: Trionic  
 · Controller types: multiple  
 · Types: ICE/electric machines  
 · Serial communication  
 · Type of connector: 4-pins

**REF [163TA8215](#)**



NOTES

Area with horizontal dotted lines for notes.





USED ON  
**YOUNGMANN**





## ELECTRONIC JOYSTICK



Dual-axis

Used on BoSS X3X-SP

**REF [151TA3561](#)**



## DISPLAY



TS100 display/diagnostic centre

Used on BoSS X3X-SP

REF [151TA3546](#)

## MOTOR CONTROLLER



- TS100 operating system
- Length: 197 mm
- Width: 156 mm

Used on BoSS X3X-SP

REF [151TA3606](#)

## PRINTED CIRCUIT BOARD



- Length: 104 mm
- Width: 38 mm
- 3-pole

Used on BoSS X3X-SP

REF [151TA3593](#)

Although this electronic card may resemble the one fitted on your mobile elevating work platform there can be a big difference. Therefore we always ask you to supply us with part number or full vehicle details before ordering a similar unit.

This is just a small selection of our electronic boards. For all other types, please feel free to call us!



## BUZZERS



- Voltage: 12 V
- Volume: 88 dB
- Dimensions: 44 x Ø 42,6 mm
- Built-in diameter: 28 mm

Used on BoSS X3X-SP

**REF [151TA3556](#)**



- Voltage: 24 V
- Volume: 95 dB
- Dimensions: 16 x Ø 41,5 mm

Used on BoSS X3X-SP

**REF [151TA3555](#)**

## CABLE LOOMS



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 1100 mm
- Number of plugs: 10

Used on BoSS X3X, BoSS X3, BoSS X2

**REF [151TA3416](#)**



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 4550 mm
- Number of plugs: 10

Used on BoSS X3

**REF [151TA3496](#)**



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 5000 mm
- Number of plugs: 10

Used on BoSS X3X

**REF [151TA3530](#)**



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 5910 mm
- Number of plugs: 1

Used on BoSS X3X-SP

**REF [151TA3607](#)**



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 1810 mm
- Number of plugs: 2

Used on BoSS X3X, BoSS X3, BoSS X2

**REF [151TA3430](#)**



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 340 mm
- Number of plugs: 2

**REF [163TA7877](#)**



- Cable type: < 6 mm<sup>2</sup>
- Type of loom: multiple cables
- Total length: 840 mm
- Number of plugs: 1

Used on BoSS X3X-SP

**REF [151TA3562](#)**



## CHARGING CABLE



- Current: 16 A
- Voltage: 110 V

Used on BoSS X3X, BoSS X3, BoSS X2

REF [151TA3431](#)

## COMPLETE CONTACTORS

	Voltage V	Maximum current interrupted A	Maximum current uninterrupted A	Magnetic blowouts	Used on	REF
	12	200	200	No	BoSS X3X, BoSS X3, BoSS X2	<a href="#">151TA3423</a>
	24	100	100	No	BoSS X3X-SP	<a href="#">151TA3601</a>
	24	200	200	No	BoSS X3X-SP	<a href="#">151TA3613</a>

## FLASHING BEACON WITH COVER



- Length: 120 mm
- Height: 80 mm
- Voltage: 24 V
- Conformity: not approved

Used on BoSS X3X-SP

REF [149TA7227](#)

## HORN



- Voltage: 48 VDC
- Type of mounting: multiple holes
- Diameter: 50 mm
- Conformity: not approved

Used on BoSS X3X-SP

REF [151TA3591](#)



## FUSE HOLDERS



- Length: 109 mm
- Width: 36 mm
- Height: 48 mm

Used on BoSS X3X, BoSS X3, BoSS X2

**REF [151TA3457](#)**



- Length: 69 mm
- Width: 20 mm
- Height: 29 mm

Used on BoSS X3X, BoSS X3, BoSS X2

**REF [151TA3456](#)**

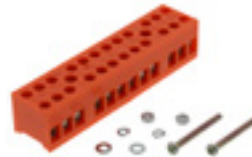
## HOUSING CONNECTORS



- Length: 53 mm
- Width: 21 mm
- Height: 19 mm
- Number of connecting holes: 6

Used on BoSS X3X-SP

**REF [151TA3608](#)**



- Length: 93,5 mm
- Width: 21 mm
- Height: 19,5 mm
- Number of connecting holes: 12

Used on BoSS X3X-SP

**REF [151TA3609](#)**

## HANDSET CONTROLLER ASSEMBLY



- Length: 175 mm
- Width: 65 mm
- Height: 80 mm

Used on BoSS X3X, BoSS X3, BoSS X2

**REF [151TA3492](#)**

## HANDSET COVER



- Length: 175 mm
- Width: 75 mm

Used on BoSS X2, BoSS X3, BoSS X3X

**REF [151TA3441](#)**

## SWITCH ACCESSORY



Main body

Used on BoSS X3X, BoSS X3, BoSS X2

**REF [151TA3435](#)**

## SOLENOID SWITCH



- Length: 121 mm
- Width: 51 mm

Used on BoSS X3X-SP

**REF [151TA3596](#)**



## RELAY MOUNTING BRACKET



8 A relay with base  
Used on BoSS X3X-SP  
**REF [151TA3614](#)**

## RELAY ASSEMBLIES



- Voltage: 300 VAC
- Current: 16 A

Used on BoSS X3X, BoSS X3, BoSS X2  
**REF [151TA3452](#)**



- Voltage: 300 VAC
- Current: 16 A

Used on BoSS X3X, BoSS X3, BoSS X2  
**REF [151TA3451](#)**

## TIMER RELAY



- For 12 VDC machines
- 5 sec

Used on BoSS X3X, BoSS X3, BoSS X2  
**REF [151TA3453](#)**



## CONTACT BLOCKS



Connector set 16 pieces  
Used on BoSS X3X, BoSS X3,  
BoSS X2

**REF [151TA3621](#)**



Central tray connector block  
Used on BoSS X3X-SP

**REF [151TA3539](#)**



Central tray connector block  
Used on BoSS X3X-SP

**REF [151TA3540](#)**



- Control/spare switch NO
- Length: 39 mm
- Width: 22 mm

Used on BoSS X3X, BoSS X3,  
BoSS X2

**REF [151TA3434](#)**

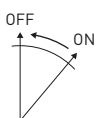


- Switch NC for pendant emergency stop button
- Length: 39,5 mm
- Width: 22 mm

Used on BoSS X3X, BoSS X3,  
BoSS X2

**REF [151TA3440](#)**

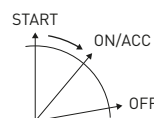
## IGNITION SWITCHES



- Number of connections: 2
- Number of positions: 2
- Built-in diameter: 22 mm
- Total length: 68 mm
- NO contact

Used on BoSS X3X-SP

**REF [151TA3544](#)**



- Number of connections: 4
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 69 mm
- NO contact

Used on BoSS X3X-SP

**REF [151TA3545](#)**





## KEYS FOR IGNITIONS/DOOR LOCKS



- Key number: 455
- Number of supplied keys: 1

Used on BoSS X3X, BoSS X3, BoSS X2

REF [151TA3458](#)



Number of supplied keys: 2

Used on BoSS X3X-SP

REF [151TA3618](#)

## LIMIT SWITCHES



- Number of NC contacts: 1
- Current: 5 A

Used on BoSS X3X, BoSS X3, BoSS X2

REF [147TA5640](#)



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 5 A

Used on BoSS X3, BoSS X2

REF [151TA3495](#)



- Number of NO contacts: 1
- Number of NC contacts: 1
- Current: 5 A

Used on BoSS X3X

REF [151TA3529](#)

## MICROSWITCH



- Number of connections: 3
- Number of CO contacts: 2
- Current: 15 A

Used on BoSS X3X-SP

REF [151TA3589](#)

## MUSHROOMHEAD PUSH BUTTON



- Current: 10 A
- Voltage: 400 V
- Number of NC contacts: 2

Used on BoSS X3X, BoSS X3, BoSS X3, BoSS X2

REF [151TA3428](#)



## OPERATING HEAD



- Number of positions: 2
- Built-in diameter: 22 mm

Used on BoSS X3X, BoSS X3, BoSS X2

**REF [151TA3438](#)**

## PUSH BUTTONS



- Diameter: 29 mm
- Length: 22 mm
- Button colour: black

Used on BoSS X3X, BoSS X3, BoSS X2

**REF [151TA3437](#)**



- Diameter: 29 mm
- Length: 22 mm
- Button colour: white

Used on BoSS X3X, BoSS X3, BoSS X2

**REF [151TA3436](#)**



## COMPLETE PUSH BUTTONS



- Built-in diameter: 19 mm
- Length: 40 mm
- Button colour: metallic

Used on BoSS X3X-SP

**REF [151TA3560](#)**



- Built-in diameter: 22 mm
- Length: 28 mm
- Button colour: metallic

Used on BoSS X3X-SP

**REF [151TA3536](#)**



- Built-in diameter: 22 mm
- Length: 32,6 mm
- Button colour: metallic

Used on BoSS X3X-SP

**REF [151TA3559](#)**



- Built-in diameter: 30 mm
- Length: 55,5 mm
- Button colour: red

Used on BoSS X3X-SP

**REF [151TA3541](#)**



Diameter: 17,5 mm

Used on BoSS X3X-SP

**REF [151TA3598](#)**

## DASHBOARD WARNING LIGHTS



- Cable length: 270 mm
- Diameter: 20 mm

Used on BoSS X3X-SP

**REF [151TA3558](#)**



- Cable length: 275 mm
- Diameter: 19 mm

Used on BoSS X3X-SP

**REF [151TA3557](#)**



## PRESSURE SENSOR



- Thread: 1/4" BSP
- Connection: loose pin
- Switch mode: multiple, different or with signal
- Length: 87 mm

Used on BoSS X3X-SP

**REF [151TA3581](#)**

## TILT SENSORS



- Dimensions: 75 x 79 x 56 mm
- Switch type: tilt sensor
- Voltage: 8-30 VDC
- Detection: 1,25°

Used on BoSS X2, BoSS X3, BoSS X3X

**REF [165TA4527](#)**



- Dimensions: 80 x 75 x 56 mm
- Switch type: tilt sensor
- Voltage: 8-30 VDC
- Detection: 1,50°

Used on BoSS X3X, BoSS X3, BoSS X2

**REF [151TA3449](#)**



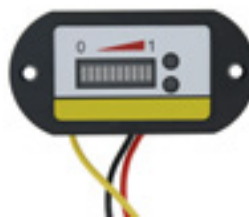
## BATTERY DISCHARGE INDICATORS



- Built-in dimensions: 87 x 44 mm
- Voltage: 110 V

Used on BoSS X3X, BoSS X3, BoSS X2

**REF [151TA3502](#)**



- Built-in dimensions: 87 x 44 mm
- Voltage: 240 V

Used on BoSS X2, BoSS X3, BoSS X3X

**REF [165TA4528](#)**



- Built-in dimensions: 87 x 44 mm
- Voltage: 24 V

Used on BoSS X3X-SP

**REF [151TA3535](#)**



## CARTRIDGE WITH COIL



- Voltage: 12 V
- AC/DC: DC
- Resistance: 8,5 Ω
- Diameter 1: 12,6 mm
- Diameter 2: 13 mm
- Length: 90 mm

Used on BoSS X3X, BoSS X3, BoSS X2

REF [151TA3425](#)

**Cartridges exist in a variety of dimensions and wiring diagrams. When placing an order, always provide the necessary info with regard to the wiring diagram, as cartridges may have identical dimensions yet be connected in different ways.**

**Diameter D1 is the nose of the cartridge.  
Diameter D2 is the diameter of the cartridge end on which the coil is mounted.**

## HYDRAULIC INTEGRATED CIRCUITS WITH CARTRIDGE



- Voltage: 12 V
- AC/DC: DC
- Resistance: 10,7 Ω
- Diameter 1: 33 mm
- Diameter 2: 13 mm
- Length: 130 mm

Used on BoSS X3X, BoSS X3, BoSS X2

REF [151TA3473](#)



- Voltage: 24 V
- AC/DC: DC
- Resistance: 6,5 Ω
- Diameter 1: 12,6 mm
- Diameter 2: 13 mm
- Length: 111,5 mm

Used on BoSS X3X, BoSS X3, BoSS X2, BBoSS X3X-SP

REF [151TA3622](#)

**Cartridges exist in a variety of dimensions and wiring diagrams. When placing an order, always provide the necessary info with regard to the wiring diagram, as cartridges may have identical dimensions yet be connected in different ways.**

**Diameter D1 is the nose of the cartridge.  
Diameter D2 is the diameter of the cartridge end on which the coil is mounted.**

## HYDRAULIC CYLINDERS



- Total measured length: 890 mm
- Diameter tube: 63 mm
- Diameter rod: 35 mm
- Piston shaft stroke: 585 mm

Used on BoSS X3X-SP

REF [151TA3578](#)



- Total measured length: 717 mm
- Diameter tube: 64 mm
- Diameter rod: 34 mm

Used on BoSS X3

REF [151TA3472](#)



## HYDRAULIC HOSE



Length: 2120 mm  
Used on BoSS X3  
**REF [151TA3474](#)**

## HYDRAULIC PUMP



- Total length: 77,3 mm
- Neck diameter: 22 mm
- Direction of rotation: CCW
- Material of the housing: aluminium

Used on BoSS X3X-SP  
**REF [151TA3426](#)**

## HYDRAULIC PUMP GROUPS

	Electric motor VDC	Power kW	Used on	REF
	12	0,8	BoSS X2	<b><a href="#">151TA3514</a></b>
	12	1,2	BoSS X2, BoSS X3, BoSS X3X	<b><a href="#">165TA4529</a></b>
	24	1,2	BoSS X3X-SP	<b><a href="#">151TA3603</a></b>

## HYDRAULIC CYLINDER SEAL KIT







Used on BoSS X3X, BoSS X3, BoSS X2  
**REF [151TA3447](#)**





## CONTROL CABLES

	Length cable mm	Diameter cable mm	Length sleeve mm	Used on	REF
	2500	2	2360	BoSS X3X	<a href="#">151TA3532</a>
	2500	2	2360	BoSS X2	<a href="#">151TA3517</a>
	2710	2	2550	BoSS X3	<a href="#">151TA3504</a>
	2715	2	2550	BoSS X3X-SP	<a href="#">151TA3583</a>

## CHASSIS ACCESSORIES



Pothole rods and linkage kit

Used on BoSS X3X-SP

**REF [151TA3587](#)**



- Length: 427 mm
- Width: 102 mm
- Height: 168 mm

Used on BoSS X3X, BoSS X3, BoSS X2

**REF [151TA3444](#)**



- Height: 560 mm
- Width: 500 mm

Used on BoSS X3X, BoSS X3, BoSS X2

**REF [151TA3465](#)**



- Length: 530 mm
- Width: 140 mm

Used on BoSS X3X

**REF [151TA3531](#)**



- Length: 790 mm
- Width: 80 mm

Used on BoSS X3X-SP

**REF [151TA3588](#)**



## ANTISKID MAT



- Length: 520 mm
- Width: 125 mm

Used on BoSS X3X, BoSS X3, BoSS X2

**REF [151TA3484](#)**

## SAFETY CAGE PARTS



- Height: 1090 mm
- Width: 1030 mm

Used on BoSS X3, BoSS X2

**REF [151TA3464](#)**



- Height: 1100 mm
- Width: 1040 mm

Used on BoSS X2

**REF [151TA3508](#)**



- Height: 1110 mm
- Width: 1240 mm

Used on BoSS X3X-SP

**REF [151TA3551](#)**



- Height: 1110 mm
- Width: 1240/520 mm

Used on BoSS X3X-SP

**REF [151TA3552](#)**



- Width: 1030 mm
- With narrow gate assembly

Used on BoSS X3

**REF [151TA3462](#)**



## RUBBER PARTS



Diameter: 54 mm

Used on BoSS X3X, BoSS X3,  
BoSS X2

**REF [151TA3491](#)**



Diameter: 66 mm

Used on BoSS X3X-SP,  
BoSS X3X, BoSS X3, BoSS X2

**REF [151TA3414](#)**



- Length: 175 mm
- Width: 25 mm
- Height: 4,7 mm

Used on BoSS X3X, BoSS X3,  
BoSS X2

**REF [151TA3483](#)**



- Length: 76 mm
- Width: 46 mm
- Height: 14 mm

Used on BoSS X3X-SP

**REF [151TA3421](#)**



- Length: 76 mm
- Width: 46 mm
- Height: 14 mm

Used on BoSS X3X, BoSS X3,  
BoSS X2

**REF [151TA3443](#)**

## HANDLE SCREW WITH LOCKING NUT



- Diameter: 30 mm
- Thread: M8 x 1,25 mm

Used on BoSS X3X, BoSS X3, BoSS X2

**REF [151TA3468](#)**



## KNOBBS



- Diameter: 29 mm
- Height: 20,6 mm
- Thread: M8 x 1,25 mm

Used on BoSS X3X, BoSS X3, BoSS X2

**REF [151TA3482](#)**



- Diameter: 29 mm
- Height: 50,6 mm
- Thread: M8 x 1,25 mm

Used on BoSS X3X, BoSS X3, BoSS X2

**REF [151TA3417](#)**

## SUPPORTS – PIECES OF CONNECTIONS



- Length: 105 mm
- Width: 40 mm
- Number of holes: 2
- Material: nylon

Used on BoSS X3X-SP

**REF [151TA3567](#)**



- Length: 100 mm
- Width: 20 mm
- Number of holes: 2
- Material: nylon

Used on BoSS X3X-SP

**REF [151TA3568](#)**



Used on BoSS X3X-SP

**REF [151TA3592](#)**

## WEAR PAD



- Length: 89 mm
- Material: plastic

Used on BoSS X3X-SP

**REF [151TA3576](#)**

## FOOT PEDAL ASSEMBLY



Length: 121 mm

Used on BoSS X3X-SP

**REF [151TA3564](#)**



## DOOR HANDLES



- Length: 260 mm
- Grip range: 130 mm
- With drawer lock

Used on BoSS X3X-SP

**REF [151TA3620](#)**



- Length: 260 mm
- Grip range: 130 mm
- With drawer lock

Used on BoSS X3X-SP

**REF [151TA3602](#)**



- Length: 49 mm
- Width: 50 mm
- Height: 24 mm

Used on BoSS X3X-SP,  
BoSS X3X, BoSS X3, BoSS X2

**REF [151TA3415](#)**



- Length: 74 mm
- Width: 32 mm

Used on BoSS X3X-SP

**REF [151TA3610](#)**



- Length: 88,6 mm
- Width: 34,4 mm

Used on BoSS X3X-SP,  
BoSS X3X, BoSS X3, BoSS X2

**REF [151TA3433](#)**

## MOUNTING KIT



Door hinge mounting kit

Used on BoSS X3X, BoSS X3,  
BoSS X2

**REF [151TA3459](#)**

## CABIN ACCESSORY



Length: 106 mm

Used on BoSS X3X, BoSS X3,  
BoSS X2

**REF [151TA3493](#)**



## CHASSIS ACCESSORIES



- Length: 121 mm
- Height: 30 mm

Used on BoSS X3X, BoSS X3, BoSS X2

**REF [151TA3497](#)**



- Length: 500 mm
- Height: 160 mm

Used on BoSS X3X-SP

**REF [151TA3585](#)**

## PROTECTIVE RUBBER COVER



- Length: 155 mm
- Smallest diameter: 46 mm
- Biggest diameter: 61 mm

Used on BoSS X3X, BoSS X3, BoSS X2

**REF [151TA3487](#)**

## PROTECTIVE COVERS



- Length: 130 mm
- Width: 90 mm

Used on BoSS X3X, BoSS X3, BoSS X2

**REF [151TA3475](#)**



- Length: 152/112 mm
- Width: 100 mm

Used on BoSS X3X-SP

**REF [151TA3582](#)**



- Length: 165 mm
- Height: 30 mm

Used on BoSS X2

**REF [151TA3500](#)**



- Length: 217 mm
- Height: 72 mm

Used on BoSS X3X-SP

**REF [151TA3594](#)**



## PROTECTIVE COVERS



- Length: 535 mm
- Height: 265 mm

Used on BoSS X3X-SP

**REF [151TA3584](#)**



- Length: 567 mm
- Height: 260 mm

Used on BoSS X3X, BoSS X3, BoSS X2

**REF [151TA3479](#)**



- Length: 160 mm
- Height: 90 mm

Used on BoSS X3X, BoSS X3, BoSS X2

**REF [151TA3450](#)**





## DECALS



- Length: 278 mm
- Height: 199 mm

Used on Boss X3X

REF [151TA3534](#)



- Length: 278 mm
- Height: 199 mm

Used on BoSS X3

REF [165TA4530](#)



- Length: 281 mm
- Height: 201 mm

Used on Boss X3X

REF [163TA7874](#)



- Length: 25 mm
- Height: 5,6 mm

Used on BoSS X3X, BoSS X3, BoSS X2

REF [151TA3503](#)



- Length: 500 mm
- Height: 128 mm

Used on BoSS X3X-SP

REF [151TA3616](#)



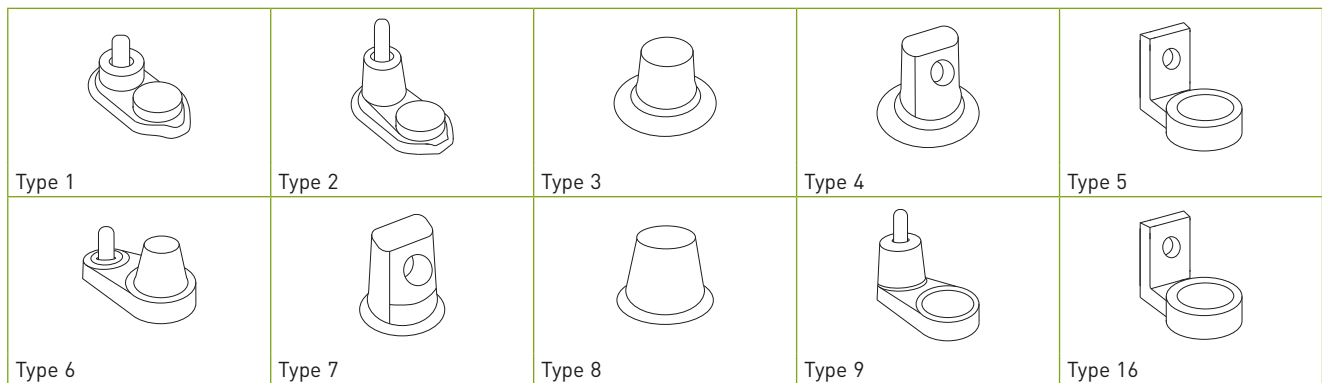
CASTORS						
	Diameter wheel mm	Number of bolt holes	Width wheel mm	Total height mm	Used on	REF
	200	4	50	236	BoSS X3X, BoSS X3, BoSS X2	<a href="#">151TA3486</a>
	200	4	50	236	BoSS X3X, BoSS X3, BoSS X2	<a href="#">151TA3489</a>
	152	4	64	200	BoSS X3X-SP	<a href="#">151TA3605</a>
	200	4	50	235	BoSS X3X, BoSS X3, BoSS X2	<a href="#">151TA3485</a>



**UNIVERSAL PARTS**



## DEEP-CYCLE FLOODED BATTERIES WITH T2 TECHNOLOGY™



## DEEP-CYCLE FLOODED BATTERIES WITH T2 TECHNOLOGY™



A: The number of minutes a battery can deliver when discharged at a constant rate at 27 °C (80 °F) and maintain a voltage above 1,75 V/cell. Capacities are based on peak performance

B: The amount of amp-hours (Ah) a battery can deliver when discharged at a constant rate at 27 °C (80 °F) and maintain a voltage above 1,75 V/cell. Capacities are based on peak performance

Type	Capacity/minutes (A)		Capacity amp-hours (B)		L x W x H mm	Weight kg	Terminal type	REF
	@ 25 Amp A	@ 75 Amp A	5-10 h rate Ah	20-100 h rate Ah				
<b>Voltage: 6 V</b>								
T-105	447	115	185-207	225-250	262 x 181 x 283	62	1, 2, 3, 4	<a href="#">152TA2969</a>
T-125	488	132	195-221	240-266	262 x 181 x 283	66	1, 2, 3, 4	<a href="#">165TA4531</a>
T-125 Plus	488	132	195-221	240-266	262 x 181 x 281	66	1, 2, 3	<a href="#">165TA4532</a>
J250P	540	135	215-230	250-278	296 x 176 x 33	72	6	<a href="#">165TA4533</a>
<b>Voltage: 12 V</b>								
24TMX	140	36	70-78	85-94	277 x 168 x 235	47	7, 8, 9, 16	<a href="#">165TA4534</a>
27TMX	175	45	97-105	105-117	326 x 168 x 247	55	7, 8, 9, 16	<a href="#">165TA4535</a>



## HEAVY-DUTY STARTER BATTERIES

### Fixation

B00/B0	B01/B1	Korean B01	B03/B3	B4
B05/B5	B07/B7	B09/B9	B13	

### Layout

0 (+RL)	1 (+LL)	2 (cross)	3 (+LK)
4 (+RK)	6	9 (centre)	6 Volt: 0

### Terminal type

1 (DIN)	3 (JIS)	19 (Ford)	21 (side term FT)	DT



## HEAVY-DUTY STARTER BATTERIES



### Starter batteries for vehicles “Excellent”

The Extreme and Excellent is a private label range of high-quality starter batteries at attractive prices for cars, vans, trucks ...

- VRLA battery (no refilling needed)
- CaCa technology
- +15% of starting capacity
- Maintenance-free
- Leakproof

Type	Capacity range Ah	CCA (EN) A	L x W x H mm	Weight kg	Layout	Fixation	Terminal type	REF
<b>Voltage: 12 V</b>								
535.020.030SMF	35	300	187 x 127 x 220	9	0	B00	3	<a href="#">165TA4536</a>
535.022.030SMF	35	300	187 x 127 x 220	8,9	1	B00	3	<a href="#">165TA4537</a>
535.087.030SMF	35	300	187 x 127 x 220	8,9	0	B01	3	<a href="#">165TA4538</a>
540.008.034SMF	40	340	174 x 174 x 190	10,3	0	B13	1	<a href="#">165TA4539</a>
545.023.034SMF	45	340	234 x 127 x 220	10,7	0	B00	1	<a href="#">165TA4540</a>
545.024.034SMF	45	340	234 x 127 x 220	10,7	1	B00	1	<a href="#">165TA4541</a>
545.051.034SMF	45	340	234 x 127 x 220	10,7	1	B00	3	<a href="#">165TA4542</a>
545.084.034SMF	45	340	234 x 127 x 220	10,7	0	B00	3	<a href="#">165TA4543</a>
545.059.039SMF (E1)	45	390	208 x 174 x 175	11	0	B13(B04)	1	<a href="#">165TA4544</a>
545.077.036SMF	45	360	218 x 133 x 223	10,7	0	B01	1	<a href="#">165TA4545</a>
545.079.036SMF	45	360	218 x 133 x 223	10,7	1	B01	1	<a href="#">165TA4546</a>
550.041.039SMF	50	390	200 x 172 x 220	12,8	0	B01	1	<a href="#">165TA4547</a>
550.042.039SMF	50	390	200 x 172 x 220	12,8	1	B01	1	<a href="#">165TA4548</a>
550.054.042SMF	50	420	208 x 174 x 190	11,8	0	B13	1	<a href="#">165TA4549</a>
554.059.048SMF	55	480	242 x 174 x 175	13	0	B13(B04)	1	<a href="#">165TA4550</a>
555.059.048SMF	55	480	242 x 174 x 190	13,9	0	B13	1	<a href="#">165TA4551</a>
555.065.048SMF	55	480	242 x 174 x 190	13,9	1	B13	1	<a href="#">165TA4552</a>
560.068.048SMF	60	480	230 x 172 x 220	15	0	B00	1	<a href="#">165TA4553</a>
560.069.048SMF	60	480	230 x 172 x 220	15	1	B00	1	<a href="#">165TA4554</a>
560.077.054SMF (E2)	60	540	242 x 174 x 175	13,7	0	B13(B04)	1	<a href="#">165TA4555</a>
566.019.064SMF (E2-640)	66	640	242 x 175 x 190	15,2	0	B13	1	<a href="#">165TA4556</a>
570.024.054SMF	70	540	266 x 172 x 220	16,2	1	B01	1	<a href="#">165TA4557</a>
570.029.054SMF	70	540	266 x 172 x 220	16,2	0	B01	1	<a href="#">165TA4558</a>
571.013.064SMF (E3)	72	640	277 x 174 x 175	15,7	0	B13(B04)	1	<a href="#">165TA4559</a>
574.020.068SMF	74	680	277 x 174 x 190	17,3	0	B13	1	<a href="#">165TA4560</a>
574.026.068SMF	74	680	277 x 174 x 190	17,3	1	B13	1	<a href="#">165TA4561</a>
580.035.072SMF (E4)	80	720	315 x 174 x 175	18,5	0	B13(B04)	1	<a href="#">165TA4562</a>
580.043.064SMF	80	640	315 x 174 x 190	19,5	0	B13	1	<a href="#">165TA4563</a>
585.019.075SMF	85	750	315 x 174 x 190	20,3	1	B13	1	<a href="#">165TA4564</a>
585.015.072SMF (E5)	85	720	354 x 174 x 175	19,7	0	B13(B04)	1	<a href="#">165TA4565</a>
588.015.067SMF	88	680	354 x 174 x 190	21,6	0	B13(B04)	1	<a href="#">165TA4566</a>
588.021.067SMF	88	680	354 x 174 x 190	21,4	1	B13(B04)	1	<a href="#">165TA4567</a>
600.032.072SMF	100	720	302 x 172 x 220	21,3	0	B01	1	<a href="#">165TA4568</a>
600.033.072SMF	100	720	302 x 172 x 220	21,3	1	B01	1	<a href="#">165TA4569</a>
600.038.085SMF (E5H)	100	850	354 x 174 x 190	22,7	0	B13(B04)	1	<a href="#">165TA4570</a>

For layout, fixation and terminal type you can go to page 827 for the drawings





## HEAVY-DUTY STARTER BATTERIES



### Truck batteries "Excellent"

- Sealed maintenance-free SMF
- Designed for extreme power demands
- Higher operational availability and safety
- Extended service life
- Suitable for commercial vehicles, buses and trucks with latest electrical equipment

Type	Capacity range Ah	CCA (EN) A	L x W x H mm	Weight kg	Layout	Fixation	Terminal type	REF
<b>Voltage: 12 V</b>								
640.020.095SMF	140	950	513 x 189 x 220	35,3	3	B00	1	<a href="#">165TA4571</a>
680.045.115SMF	180	1150	513 x 223 x 223	44,3	3	B00	1	<a href="#">165TA4572</a>
730.012.140SMF	230	1400	514 x 276 x 242	56,3	3	B00	1	<a href="#">165TA4573</a>

For layout, fixation and terminal type you can go to page 827 for the drawings





## BATTERY MONITORING DEVICE



Coming soon

### Battery monitoring and management system with desulphation function **ENERGIC Plus**

Multivoltage battery monitoring/management/maintenance system (12–96 V nominal) that monitors your batteries in detail. No more uncertainty about whether your batteries need water, no more unnecessary battery maintenance with our PULSAR battery monitoring and maintenance system. Maintenance just when you really need it!  
 Furthermore the PULSAR has an additional pulsation function during the charge mode so that sulphation build-up never stands a chance.  
 Registration of various battery and equipment data via the 3,5 Mb memory, capable of storing more than 2000 cycles!

- Battery analysis through comparison between complete battery voltage versus combination of individual battery halves
- Charge and discharge current
- Possibility to set an alarm signal
- Temperature
- Electrolyte level
- Shock detector
- Registration of up to 3 closed or open digital contacts
- Real-time monitoring in connected state
- Connection via Bluetooth 4.0 or via laptop
- Visualisation of the data on the central server
- Alerts via mail through the web app

#### Operations diagram:

- Overall battery voltage
- Battery temperature
- Battery water level
- Unbalanced battery (possible bad cell detected)
- Shock sensor

#### Monitoring battery data:

- Nominal operating voltage: 9–96 VDC
- External Hall sensor 550 A
- Peak pulse amplitude: 1,5–7 A
- Operating frequency: up to 35 kHz
- Bluetooth 4.0 connection
- IP66 protection
- 3 LED status indicators
- Compatible with Windows XP, Vista and Windows 7, 8 & 10
- Polarity reversal protection
- Possibility for registration of battery fleet information by the customer. With scheduled data download (both online and offline)
- Possibility for technicians to check information
- Housing dimensions without connector: 145 x 78 x 34 mm
- Housing dimensions with connector: 212 x 78 x 34 mm

#### Benefits:

- Efficient electronic device designed to keep your batteries functioning at their maximum potential and alert you when maintenance operations are required.
- PULSAR becomes a powerful tool that will convert corrective maintenance into preventive/predictive maintenance.
- It provides a solution to avoid and prevent battery-related problems which would otherwise cause unwanted downtime, resulting in considerable savings for the customer.

REF [165TA4574](#)



## PVC-INSULATED SINGLE-CORE CABLES



Sold per 100 m box

Section mm <sup>2</sup>	Colour	REF Box (100 m)	Section mm <sup>2</sup>	Colour	REF Box (100 m)	Section mm <sup>2</sup>	Colour	REF Box (100 m)			
<b>Type: H05VK</b>											
0,5	Grey	<a href="#">111TA3945</a>	1	Green/yellow	<a href="#">165TA4575</a>	2,5	Brown	<a href="#">111TA3977</a>			
	Green/yellow	<a href="#">134TA8158</a>		Grey	<a href="#">165TA4576</a>		Green/yellow	<a href="#">111TA3978</a>			
	Red	<a href="#">111TA3946</a>		Blue	<a href="#">164TA6002</a>		Yellow	<a href="#">111TA3979</a>			
	Green	<a href="#">134TA8159</a>		Brown	<a href="#">106TA9655</a>		Grey	<a href="#">111TA3980</a>			
	White	<a href="#">111TA3947</a>		Green	<a href="#">165TA4577</a>		Green	<a href="#">111TA3981</a>			
	Yellow	<a href="#">134TA8160</a>		Red	<a href="#">165TA4578</a>		Red	<a href="#">111TA3982</a>			
	Blue	<a href="#">111TA3948</a>		Pink	<a href="#">165TA4579</a>		Violet	<a href="#">111TA3983</a>			
	Orange	<a href="#">134TA8161</a>		Violet	<a href="#">165TA4580</a>		White	<a href="#">111TA3984</a>			
	Brown	<a href="#">111TA3949</a>		White	<a href="#">165TA4581</a>		Black	<a href="#">111TA3985</a>			
	Violet	<a href="#">111TA3950</a>		Yellow	<a href="#">165TA4582</a>		4	Brown	<a href="#">111TA3986</a>		
	Black	<a href="#">123TA5449</a>		Black	<a href="#">106TA9654</a>			Grey	<a href="#">111TA3987</a>		
	0,75	Blue		<a href="#">111TA3951</a>	1,5			Blue	<a href="#">111TA3965</a>	Red	<a href="#">111TA3988</a>
		Brown		<a href="#">111TA3952</a>				Brown	<a href="#">111TA3966</a>	White	<a href="#">111TA3989</a>
		Yellow		<a href="#">111TA3953</a>			Yellow	<a href="#">111TA3967</a>	Black	<a href="#">111TA3990</a>	
Green/yellow		<a href="#">111TA3954</a>	Green/yellow	<a href="#">111TA3968</a>		6	Blue	<a href="#">111TA3991</a>			
Grey		<a href="#">111TA3956</a>	Grey	<a href="#">111TA3969</a>			Brown	<a href="#">111TA3992</a>			
Green		<a href="#">111TA3955</a>	Green	<a href="#">111TA3970</a>			Grey	<a href="#">111TA3993</a>			
Orange		<a href="#">111TA3957</a>	Orange	<a href="#">111TA3971</a>			Blue	<a href="#">165TA4583</a>			
Red		<a href="#">111TA3958</a>	Violet	<a href="#">111TA3972</a>			Brown	<a href="#">165TA4584</a>			
Violet		<a href="#">111TA3959</a>	Red	<a href="#">111TA3973</a>			Grey	<a href="#">165TA4585</a>			
White		<a href="#">111TA3960</a>	White	<a href="#">111TA3974</a>			Red	<a href="#">111TA3994</a>			
Black	<a href="#">111TA3961</a>	Black	<a href="#">111TA3975</a>	Red	<a href="#">165TA4586</a>						
<b>Type: H07VK</b>							Black	<a href="#">165TA4587</a>			
1	Black	<a href="#">111TA3962</a>	2,5	Blue	<a href="#">111TA3976</a>		Black	<a href="#">111TA3995</a>			
	Brown	<a href="#">111TA3964</a>		Orange	<a href="#">134TA8162</a>						



## BATTERY CONNECTOR CHART

### Battery connector chart



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

### Voltage colour code

- Mechanical keys molded in connectors will engage only with connectors of same colour.
- This colour code given for various voltages is only a suggestion.

Colour	Suggested voltage VDC	Colour	Suggested voltage VDC	Colour	Suggested voltage VDC
Yellow	12	Grey	36	Black	80
Orange	18	Blue	48	Brown	96
Red	24	Green	72	Purple	120



## REMA MRC CONNECTORS – NICE TO KNOW



### MRC® Power Solution Series

Unmatched durability and efficiency

The REMA® exclusive MRC® Power Solution Series utilises an engineered system of components molded into a composite cable and connector assembly with unmatched durability and efficiency. The customer benefits are a substantially reduced assembly time and minimised maintenance costs!

**The MRC® Power Solution Series features:**

- 75% current overload capability
- Fully compatible and interchangeable with existing cable and connector assemblies according to DIN 43589
- Connector housing and cable insulation material in one molded piece resulting in increased durability and environmental protection
- Acid-resistant housing and cable insulation
- RemaFlex® power cable suitable for applications requiring small bend radius

- Cable insulation and connector housing halogen-free
- Operating temperature range: -40 °C to 120 °C
- Definition of new amperage classes:
  - MRC 120 > DIN 80
  - MRC 260 > DIN 160
  - MRC 400 > DIN 320

How to order?

**Please indicate following specifications:**

- Truck details and/or
- Part number mentioned on the wire ending of the battery cable



## REMA MRC CONNECTORS – SOCKET FEMALE



Electric current A	Cable size mm <sup>2</sup>	Length mm	REF
80	25	800	<a href="#">165TA4588</a>
		1200	<a href="#">165TA4589</a>
160	35	1000	<a href="#">165TA4590</a>
		1200	<a href="#">165TA4591</a>
		1500	<a href="#">165TA4592</a>
		1800	<a href="#">165TA4593</a>
	50	1000	<a href="#">165TA4594</a>
		1200	<a href="#">165TA4595</a>
1500		<a href="#">165TA4596</a>	
1800		<a href="#">165TA4597</a>	
320	70	1200	<a href="#">165TA4598</a>
		1500	<a href="#">165TA4599</a>
		1800	<a href="#">165TA4600</a>
	95	2000	<a href="#">165TA4601</a>
		2300	<a href="#">165TA4602</a>

## REMA MRC CONNECTORS – PIN MALE



Electric current A	Cable size mm <sup>2</sup>	Length mm	REF
80	16	3000	<a href="#">165TA4603</a>
	25	3000	<a href="#">165TA4604</a>
160	25	3000	<a href="#">165TA4605</a>
	35	3000	<a href="#">165TA4606</a>
320	25	3000	<a href="#">165TA4607</a>



## REMA DIN CONNECTORS



Cable size	80 A				160 A			
mm <sup>2</sup>	Plug (male)	Plug with handle	Socket (female)	Socket with handle	Plug (male)	Plug with handle	Socket (female)	Socket with handle
16	<a href="#">116TA5134</a>	<a href="#">139TA1927</a>	<a href="#">131TA4678</a>	<a href="#">112TA4818</a>	<a href="#">165TA4608</a>	<a href="#">139TA1967</a>	<a href="#">165TA4609</a>	<a href="#">165TA4610</a>
25	<a href="#">106TA9914</a>	<a href="#">139TA1928</a>	<a href="#">106TA9916</a>	<a href="#">112TA4819</a>	<a href="#">106TA9923</a>	<a href="#">139TA1968</a>	<a href="#">112TA4822</a>	<a href="#">139TA1977</a>
35	<a href="#">123TA7593</a>	<a href="#">139TA1929</a>	<a href="#">123TA7592</a>	<a href="#">123TA7591</a>	<a href="#">106TA9924</a>	<a href="#">139TA1969</a>	<a href="#">112TA4823</a>	<a href="#">106TA9927</a>
50					<a href="#">106TA9925</a>	<a href="#">139TA1970</a>	<a href="#">112TA4824</a>	<a href="#">106TA9928</a>
<b>With auxiliary contacts</b>								
16	<a href="#">139TA1930</a>	<a href="#">165TA4611</a>	<a href="#">139TA1943</a>	<a href="#">139TA1945</a>	<a href="#">165TA4612</a>			<a href="#">165TA4613</a>
25	<a href="#">139TA1931</a>	<a href="#">165TA4614</a>	<a href="#">139TA1944</a>	<a href="#">139TA1946</a>	<a href="#">139TA1971</a>	<a href="#">165TA4615</a>	<a href="#">139TA1978</a>	<a href="#">139TA1981</a>
35	<a href="#">139TA1932</a>			<a href="#">165TA4616</a>	<a href="#">139TA1972</a>	<a href="#">165TA4617</a>	<a href="#">139TA1979</a>	<a href="#">139TA1982</a>
50					<a href="#">139TA1973</a>	<a href="#">165TA4618</a>	<a href="#">139TA1980</a>	<a href="#">139TA1983</a>
70					<a href="#">139TA2018</a>	<a href="#">165TA4619</a>	<a href="#">139TA2029</a>	<a href="#">139TA2032</a>
95					<a href="#">139TA2019</a>	<a href="#">165TA4620</a>	<a href="#">139TA2030</a>	<a href="#">139TA2033</a>
<b>With air supply system</b>								
16	<a href="#">139TA1934</a>	<a href="#">139TA1936</a>	<a href="#">165TA4621</a>	<a href="#">106TA9965</a>				
25	<a href="#">106TA9971</a>	<a href="#">139TA1937</a>	<a href="#">165TA4622</a>	<a href="#">139TA1948</a>	<a href="#">106TA9978</a>	<a href="#">165TA4623</a>	<a href="#">165TA4624</a>	<a href="#">139TA1984</a>
35	<a href="#">139TA1935</a>	<a href="#">139TA1938</a>	<a href="#">165TA4625</a>	<a href="#">165TA4626</a>	<a href="#">106TA9979</a>	<a href="#">165TA4627</a>	<a href="#">165TA4628</a>	<a href="#">139TA1985</a>
50					<a href="#">106TA9980</a>	<a href="#">165TA4629</a>	<a href="#">165TA4630</a>	<a href="#">139TA1986</a>
<b>With air supply and auxiliary contacts</b>								
16	<a href="#">139TA1939</a>	<a href="#">165TA4631</a>	<a href="#">165TA4632</a>	<a href="#">165TA4633</a>				
25	<a href="#">139TA1940</a>	<a href="#">165TA4634</a>	<a href="#">165TA4635</a>	<a href="#">165TA4636</a>	<a href="#">139TA1974</a>	<a href="#">165TA4637</a>	<a href="#">165TA4638</a>	<a href="#">139TA1987</a>
35	<a href="#">139TA1941</a>	<a href="#">165TA4639</a>		<a href="#">165TA4640</a>	<a href="#">139TA1975</a>	<a href="#">165TA4641</a>	<a href="#">165TA4642</a>	<a href="#">139TA1988</a>
50					<a href="#">139TA1976</a>	<a href="#">165TA4643</a>	<a href="#">165TA4644</a>	<a href="#">139TA1989</a>
<b>With pilot and auxiliary contacts</b>								
16	<a href="#">165TA4645</a>	<a href="#">165TA4646</a>	<a href="#">165TA4647</a>	<a href="#">165TA4648</a>				
25	<a href="#">165TA4649</a>	<a href="#">165TA4650</a>	<a href="#">165TA4651</a>	<a href="#">165TA4652</a>	<a href="#">165TA4653</a>	<a href="#">165TA4654</a>	<a href="#">165TA4655</a>	<a href="#">165TA4656</a>
35					<a href="#">165TA4657</a>	<a href="#">165TA4658</a>	<a href="#">165TA4659</a>	<a href="#">165TA4660</a>
50					<a href="#">165TA4661</a>	<a href="#">165TA4662</a>	<a href="#">165TA4663</a>	<a href="#">165TA4664</a>

Cable size	320 A				640 A	
mm <sup>2</sup>	Plug (male)	Plug with handle	Socket (female)	Socket with handle	Plug (male)	Socket (female)
50	<a href="#">116TA4699</a>	<a href="#">139TA2014</a>	<a href="#">106TA9940</a>	<a href="#">112TA4825</a>		
70	<a href="#">106TA9938</a>	<a href="#">139TA2015</a>	<a href="#">105TA4683</a>	<a href="#">112TA4826</a>	<a href="#">165TA4665</a>	<a href="#">165TA4666</a>
95	<a href="#">139TA2013</a>	<a href="#">139TA2016</a>	<a href="#">139TA2027</a>	<a href="#">112TA4827</a>	<a href="#">165TA4667</a>	<a href="#">165TA4668</a>
120					<a href="#">165TA4669</a>	<a href="#">165TA4670</a>
240					<a href="#">165TA4671</a>	<a href="#">165TA4672</a>
<b>With auxiliary contacts</b>						
50	<a href="#">139TA2017</a>	<a href="#">165TA4673</a>	<a href="#">139TA2028</a>	<a href="#">139TA2031</a>		
<b>With air supply system</b>						
50	<a href="#">106TA9984</a>	<a href="#">139TA2021</a>	<a href="#">139TA2034</a>	<a href="#">106TA9975</a>		
70	<a href="#">106TA9985</a>	<a href="#">139TA2022</a>	<a href="#">139TA2035</a>	<a href="#">106TA9976</a>		
95	<a href="#">139TA2020</a>	<a href="#">139TA2023</a>	<a href="#">139TA2036</a>	<a href="#">139TA2037</a>		
<b>With air supply and auxiliary contacts</b>						
50	<a href="#">139TA2024</a>	<a href="#">165TA4674</a>	<a href="#">165TA4675</a>	<a href="#">139TA2038</a>		
70	<a href="#">139TA2025</a>	<a href="#">165TA4676</a>	<a href="#">165TA4677</a>	<a href="#">139TA2039</a>		
95	<a href="#">139TA2026</a>	<a href="#">165TA4678</a>	<a href="#">165TA4679</a>	<a href="#">139TA2040</a>		
<b>With pilot and auxiliary contacts</b>						
50	<a href="#">165TA4680</a>	<a href="#">165TA4681</a>	<a href="#">165TA4682</a>	<a href="#">165TA4683</a>		
70	<a href="#">165TA4684</a>	<a href="#">165TA4685</a>	<a href="#">165TA4686</a>	<a href="#">165TA4687</a>		
95	<a href="#">165TA4688</a>	<a href="#">165TA4689</a>	<a href="#">165TA4690</a>	<a href="#">165TA4691</a>		





## STANDARD DELTA-Q-CHARGER



### The ideal built-in charger for your machine

Delta-Q Technologies develops and supplies high-quality battery chargers. Delta-Q's unique mix of technical capabilities in highly efficient power electronics and embedded software results in innovative battery charging solutions. Delta-Q products are renowned for their reliable design and excellent charge performances for different types of lead-acid batteries.

The Delta-Q IC-series battery chargers are high-quality built-in chargers specifically designed for electric drive vehicles and industrial equipment.

Our range of Delta-Q chargers is now available **with brackets** to ensure a **perfect fit** for your machine.

#### Specifications:

- Waterproof
- Die-cast aluminium housing
- Optimal reliability
- Download data through patented USB host port
- Update and program charger through USB host port

#### Your benefits:

- Suitable for Genie machines
- Lifespan up to 8 times that of a conventional charger
- Keeps track of each battery cycle thanks to the detailed data logging
- Resistant to heavy vibration, extreme temperatures, chemicals and dust
- Can be used for lithium-ion, lead-acid, gel and AGM-batteries
- Compact shape



Type	Voltage V	Current A	IP	Used for	Capacity range Ah	REF
IC650	24	27	IP66	Lead-acid, gel, AGM	150-560	<a href="#">141TA7908</a>
IC650	36	18	IP66	Lead-acid, gel, AGM	150-375	<a href="#">141TA7909</a>
IC650	48	13,5	IP66	Lead-acid, gel, AGM	50-280	<a href="#">141TA7910</a>
IC900	24	37	IP66	Lead-acid, gel, AGM	100-780	<a href="#">165TA2196</a>
IC900	36	25	IP66	Lead-acid, gel, AGM	70-520	<a href="#">165TA2197</a>
IC900	48	20	IP66	Lead-acid, gel, AGM	50-400	<a href="#">165TA2198</a>
IC1200	24	50	IP66	Lead-acid, gel, AGM	100-1035	<a href="#">163TA7958</a>
IC1200	36	33	IP66	Lead-acid, gel, AGM	70-690	<a href="#">165TA2194</a>
IC1200	48	25	IP66	Lead-acid, gel, AGM	50-520	<a href="#">165TA2195</a>





## DELTA-Q-CHARGER WITH BRACKETS



Type	Voltage V	Current A	IP	Used for	Capacity range Ah	REF
IC650	24	27	IP66	Lead-acid, gel, AGM	150-560	<a href="#">165TA2329</a>
IC650	36	18	IP66	Lead-acid, gel, AGM	150-375	<a href="#">165TA2330</a>
IC650	48	13,5	IP66	Lead-acid, gel, AGM	50-280	<a href="#">165TA2331</a>
IC900	24	37	IP66	Lead-acid, gel, AGM	100-780	<a href="#">165TA2332</a>
IC900	36	25	IP66	Lead-acid, gel, AGM	70-520	<a href="#">165TA2333</a>
IC900	48	20	IP66	Lead-acid, gel, AGM	50-400	<a href="#">165TA2334</a>
IC1200	24	50	IP66	Lead-acid, gel, AGM	100-1035	<a href="#">165TA2335</a>
IC1200	36	33	IP66	Lead-acid, gel, AGM	70-690	<a href="#">165TA2336</a>
IC1200	48	25	IP66	Lead-acid, gel, AGM	50-520	<a href="#">165TA2337</a>

The Delta-Q battery chargers are, as of now, available with or without brackets. These brackets make it possible to perfectly fit your battery charger onto your machines, making it suitable for Genie equipment.





## STANDARD: DIN 72581/MINI/FAST



- Standard 32 V
- Per 50 pieces

- REF [127TA2091](#) – 3 A
- REF [127TA2095](#) – 5 A
- REF [127TA2099](#) – 10 A
- REF [127TA2101](#) – 15 A
- REF [127TA2102](#) – 20 A
- REF [127TA2104](#) – 30 A

## STANDARD: DIN 41661/FAST



Per 100 pieces

- REF [152TA2651](#) – 5 A
- REF [152TA2652](#) – 10 A
- REF [127TA2193](#) – 20 A

## STANDARD: DIN 72581/MED/FAST



- Standard 32 V
- Per 100 pieces

- REF [152TA2659](#) – 3 A
- REF [152TA2660](#) – 5 A
- REF [152TA2661](#) – 10 A
- REF [152TA2662](#) – 15 A
- REF [152TA2663](#) – 20 A
- REF [152TA2664](#) – 30 A

## STANDARD: DIN 41668/FAST



Per 100 pieces

- REF [152TA2669](#) – 10 A
- REF [127TA2236](#) – 15 A
- REF [127TA2238](#) – 20 A
- REF [127TA2240](#) – 30 A

## STANDARD: DIN 72581/MAXI/FAST



- Standard 32 V
- Per 100 pieces

- REF [127TA2128](#) – 20 A
- REF [127TA2130](#) – 30 A
- REF [127TA2132](#) – 40 A
- REF [127TA2134](#) – 50 A
- REF [127TA2135](#) – 60 A
- REF [127TA2137](#) – 80 A

## THERMAL FUNCTION ONLY – STANDARD: MED/RESET/FAST



- Reset with push button
- Per piece

- REF [123TA8306](#) – 5 A
- REF [123TA8308](#) – 10 A
- REF [123TA8309](#) – 15 A
- REF [123TA8310](#) – 20 A
- REF [123TA8312](#) – 30 A



## FUSE KIT



REF [123TA8414](#) – Per case

	Quantity	Amp
<b>DIN 72581/medium</b>		
	10	5
	10	7,5
	50	10
	50	15
	25	20
	10	25
	25	30
<b>DIN 41661/fast</b>		
	25	2
	10	3

	Quantity	Amp
<b>DIN 72581/1</b>		
	10	5
	50	8
	50	16
	10	25
<b>DIN 41668/fast</b>		
	25	10
	25	15
	15	20



## SET OF HEAVY-DUTY CABLE LUGS



REF [129TA9961](#)

Section mm <sup>2</sup>	Ø mm	Quantity
10	6	10
	8	10
	10	10
	12	10
16	6	10
	8	10
	10	10
	12	10

Section mm <sup>2</sup>	Ø mm	Quantity
25	6	10
	8	10
	10	10
	12	10
35	6	10
	8	10
	10	10
	12	10
	14	10

Section mm <sup>2</sup>	Ø mm	Quantity
50	6	10
	8	10
	10	10
	12	10
	14	10
70	8	10
	10	10
	14	10
95	10	10

## BOX OF CABLE LUGS - DEUTSCH DT-SERIES



Description	Content	Pieces	REF
Connector	male 2-pole	5	<a href="#">106TA9514</a>
	male 3-pole	5	<a href="#">106TA9513</a>
	male 4-pole	5	<a href="#">106TA9512</a>
	male 6-pole	5	<a href="#">106TA9531</a>
	male 8-pole	2	<a href="#">106TA9530</a>
	male 12-pole	2	<a href="#">106TA9529</a>
	female 2-pole	5	<a href="#">106TA9508</a>
	female 3-pole	5	<a href="#">106TA9507</a>
	female 4-pole	5	<a href="#">106TA9506</a>
	female 6-pole	5	<a href="#">106TA9525</a>
	female 8-pole	2	<a href="#">106TA9524</a>
	female 12-pole	2	<a href="#">106TA9523</a>
	Connector lock	male 2-pole	5
male 3-pole		5	<a href="#">106TA9510</a>
male 4-pole		5	<a href="#">106TA9509</a>
male 6-pole		5	<a href="#">106TA9528</a>

Description	Content	Pieces	REF
Connector lock	male 8-pole	2	<a href="#">106TA9527</a>
	male 12-pole	2	<a href="#">106TA9526</a>
	female 2-pole	5	<a href="#">106TA9505</a>
	female 3-pole	5	<a href="#">106TA9504</a>
	female 4-pole	5	<a href="#">106TA9503</a>
	female 6-pole	5	<a href="#">106TA9522</a>
	female 8-pole	2	<a href="#">106TA9521</a>
	female 12-pole	2	<a href="#">106TA9520</a>
	Kit cavity plug		1
Pin connector	male 0,75-1,5 mm <sup>2</sup>	50	<a href="#">123TA5437</a>
	male 1,5-2,5 mm <sup>2</sup>	50	<a href="#">123TA5438</a>
Socket	female 0,8-1,3 mm <sup>2</sup>	50	<a href="#">123TA5439</a>
Connector	female 1,5-2,5 mm <sup>2</sup>	50	<a href="#">123TA5440</a>
Extraction tool		1	<a href="#">111TA3870</a>
		1	<a href="#">131TA8499</a>



## CRIMPING TOOL

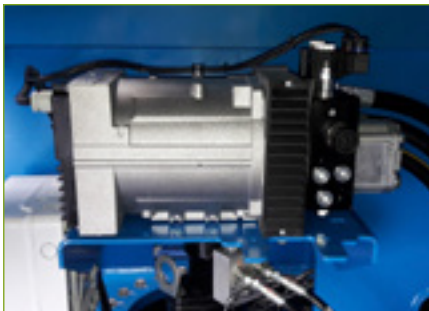
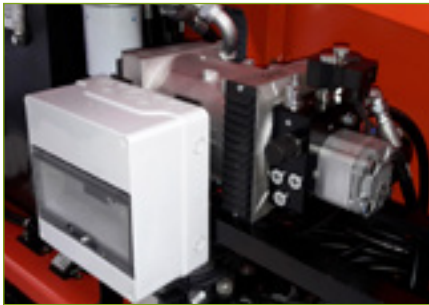


- For wire sizes 0,75–2,5 mm<sup>2</sup>
- Size: 12/16/20

REF [106TA9517](#)



## HYDRAULIC GENERATOR



### Tired of hauling around a generator for your power tools?

**TOTAL SOURCE<sup>®</sup>**

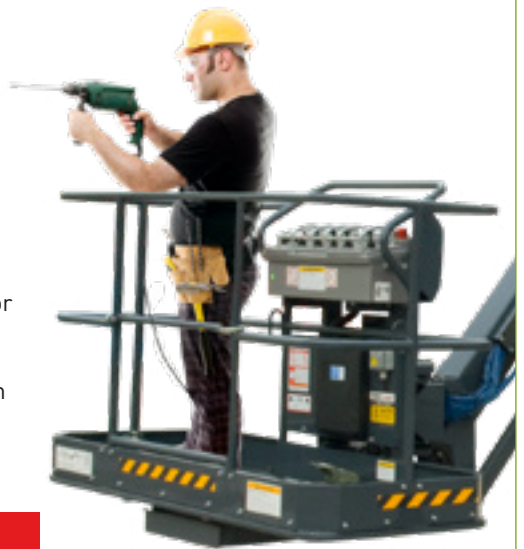


The new hydraulic generator from TVH doesn't need to be carried. This hydraulic, compact and easy-to-install power supply will help you do your job at any height with all your small and heavy power tools.

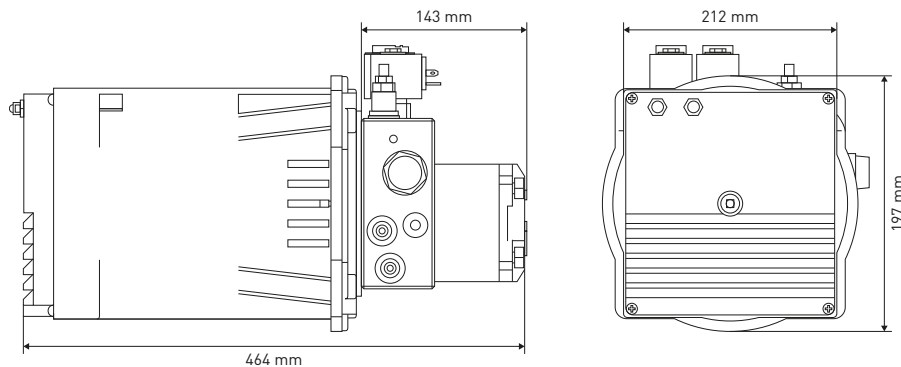
This generator can be connected to the hydraulic circuits of mobile elevating work platforms, earth-moving equipment, trucks, cranes and other construction machines.

#### Advantages:

- High-quality product
- Compact size and easy to install
- No need for an external power supply and thus no extra costs
- Safe working, no cable reels hanging around
- AVR (Automatic Voltage Regulation): makes sure your voltage stays stable under all circumstances
- Start/stop function results in a longer life span of your generator
- All references can be used on machines equipped with a fixed displacement main pump or with a load sensing pump
- All required certificates available



**Exclusively from TVH**



Electrical characteristics					Hydraulic characteristics					REF
Power	Voltage	Frequency	On/off valve	AVR (regulation range)	Flow min/max	Ideal flow	Pressure min/max	Back pressure	Oil temp max	
kVA	V	Hz	VDC		l/min	l/min	bar	bar	°C	
4,2	230	50	12	± 2%	30-45	35	150-210	8	70	<a href="#">161TA8411</a>
4,2	230	50	12	± 2%	15-30	18	150-210	8	70	<a href="#">163TA8603</a>
4,2	230	50	24	± 2%	30-45	35	150-210	8	70	<a href="#">163TA8604</a>
4,2	230	50	24	± 2%	15-30	18	150-210	8	70	<a href="#">163TA8605</a>
5,2	110	60	12	± 2%	25-30	27	150-210	8	70	<a href="#">163TA8748</a>
5,2	110	60	24	± 2%	25-30	27	150-210	8	70	<a href="#">163TA8749</a>





## TYRE FOAM-FILLING SERVICE



FOAM-FILLED TYRES

To ensure that mobile elevating work platforms can be operated safely at all times, the correct tyres must be fitted. For boom lifts, the tyres have to be sturdy and therefore foam-filled tyres offer the perfect solution. As replacing four tyres can cost you an arm and a leg, you're probably looking for a more economic answer.

TVH now has an ideal solution. Since the spring of 2018, TVH has its own state-of-the-art cabin to fill tyres with foam. This means that unnecessary costs and time will be eliminated, as a result of which the price of the tyres will decrease sharply for you.

### Why choose TVH as your partner for foam-filled tyres:

- All common wheel assemblies available from **stock**.
- Delivery within **24 to 48 hours** if tyres and rims are in stock.
- You only pay for the **exact amount of foam** that was needed to fill the tyres.
- We can reuse your rims and mount the new tyres onto them.
- **High-quality foam** thanks to our computer-controlled filling system that ensures that the liquids are mixed in a 50:50 ratio.
- A quality check is done before and after each filling.

Not sure what tyre you need for your boom lift? Send us the type and serial number of your machine and we will find out for you!

**Exclusively from TVH**

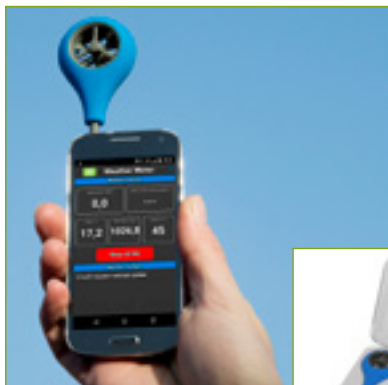




## WIND METERS

### Do you work at height?

For safety reasons, we recommend to always measure the wind speed before getting started with your mobile elevating work platform. Discover our range of wind meters!



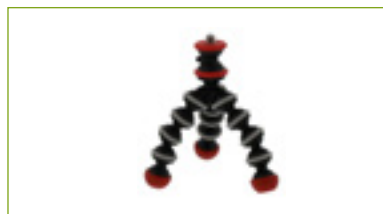
- Measures the wind speed and direction
- Plugs into the 3,5 mm audio jack of a smartphone (no Bluetooth)
- Speed: 1–200 km/h with a 0,5% tolerance
- With app for iOS and Android

REF [164TA5480](#)



- Measures the wind speed and direction, humidity, temperature and pressure
- With Bluetooth range up to 30 m
- Speed: 0,8–200 km/h with a 0,5% tolerance
- Humidity: 0–95% with a 3% tolerance
- Temperature: from –40 °C to 125 °C (with tolerance 0,4 °C)
- Pressure: 300–1100 mbar (with tolerance 0,12 mbar)
- With app for iOS and Android

REF [164TA5481](#)



- Magnetic flexible compact tripod for REF [164TA5481](#)
- Dimensions: 3,3 x 3,3 x 17,1 cm
- Capacity: 325 g

REF [164TA5482](#)



- Wind speed meter
- With Bluetooth range up to 100 m
- Speed: 0,6–50 m/s (resolution 0,1 m/s – accuracy 3%)
- Temperature: from –30 up to 60 °C (resolution 1 °C)
- Height: 210 mm
- Distance cup to cup: 120 mm
- With app for iOS and Android

REF [164TA5478](#)



- Wind speed and direction meter
- With Bluetooth range up to 100 m
- Speed: 0,6–50 m/s (resolution 0,1 m/s – accuracy 3%)
- Temperature: from –30 up to 60 °C (resolution 1 °C)
- Direction: 0–359° (resolution 1° – accuracy 2,5°)
- Height: 250 mm
- Overall diameter vane: 220 mm / cup to cup: 120 mm
- With app for iOS and Android

REF [164TA5476](#)



Magnetic self-levelling mounting bracket for REF [164TA5478](#)

REF [164TA5479](#)



Magnetic self-levelling mounting bracket for REF [164TA5476](#)

REF [164TA5477](#)



## GROUND SUPPORT PLATES

### Advantages:

- Extremely strong and flexible
- High wear-resistance
- Lightweight
- Easy to stack

### Characteristics:

- Carrying capacity up to 50 tonnes per plate
- Standard with 2 handles per plate (1 per short side)
- Made of 100% durable recycled synthetic material (UHMWPE)
- Standard with a smooth surface
- Technical sheet available on request
- Not suitable to span gaps or for machines with steel tracks



Length mm	Width mm	Thickness mm	Weight kg	REF
2000	1000	15	30	<a href="#">134TA8181</a>
2000	1000	20	40	<a href="#">134TA8182</a>
3000	1000	15	45	<a href="#">134TA8185</a>
3000	1000	20	60	<a href="#">134TA8186</a>

### Storage rack for ground support plates



- Available in 2 dimensions
- Convenient storage for multiple ground support plates
- For easy transport of your ground support plates (with forklift)

Length mm	Width mm	Stack height mm	REF
2000	1000	435	<a href="#">138TA8304</a>
3000	1000	435	<a href="#">138TA8303</a>

Look up via  
PS MyProductSearch



### Applications

#### Horticulture:

- Lawns
- Driveways & terraces
- Sports fields

#### Events:

- Temporary sidewalks
- Car parkings
- Floors

#### Construction industry



### Connector for ground support plates



- Min/max height: 240/420 mm
- Load capacity: 14 tonnes
- Weight: 12 kg

REF [127TA2465](#)

### Extra options



Engraving of company name or logo  
(from 50 pieces onwards)



## STABILIZER PLATES



### Advantages:

- Light, with carrying strap
- Compact
- Durable
- Extremely strong
- Water-repellent
- Easy to maintain

### Applications:

- Mobile cranes
- Construction cranes
- Car cranes
- Telescopic lift trucks
- Mobile elevating work platforms
- Concrete pumps
- Scaffolding
- ...

Dimensions mm	Weight kg	Plate capacity kg	REF
400 x 400 x 40	6	10 000	<a href="#">107TA9631</a>
400 x 400 x 60	9	12 000	<a href="#">107TA9632</a>
500 x 500 x 40	10	15 000	<a href="#">107TA9633</a>
500 x 500 x 50	12	15 000	<a href="#">107TA9634</a>
500 x 500 x 60	14	20 000	<a href="#">107TA9635</a>
600 x 600 x 40	14	20 000	<a href="#">107TA9636</a>
600 x 600 x 60	21	25 000	<a href="#">107TA9637</a>
800 x 800 x 40	25	25 000	<a href="#">107TA9638</a>
800 x 800 x 50	32	30 000	<a href="#">107TA9639</a>
800 x 800 x 60	37	35 000	<a href="#">107TA9641</a>

## Holders for stabilizer plates



## For storage of 1 or 2 stabilizer plates

### Characteristics:

- Made of galvanized steel
- Universal mounting ability

### Available in 3 dimensions:

Dimensions mm	Plate thickness mm	REF
<b>1 plate</b>		
400 x 400	40/50	<a href="#">138TA8154</a>
500 x 500	40/50/60	<a href="#">138TA8155</a>
600 x 600	40/50/60	<a href="#">138TA8156</a>
<b>2 plates</b>		
400 x 400	40/50/60	<a href="#">138TA8157</a>
500 x 500	40/50/60	<a href="#">138TA8158</a>
600 x 600	40/50/60	<a href="#">138TA8159</a>



## PROTECTIVE COVERS



- For steering control unit of mobile elevating work platforms
- PVC-coated cloth with polyester tissue
- Water-resistant
- Eyelets in brass



Size (L x W x H): 260 x 255 x 360 mm

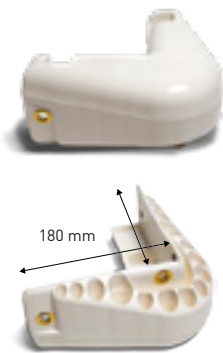
REF [106TA6807](#)



Size (L x W x H): 900 x 320 x 360/250 mm

REF [143TA5692](#)

## CORNER PROTECTION

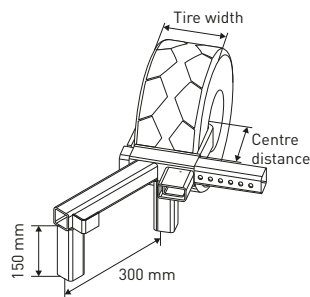


### Protection for mobile elevating work platforms and buildings:

- Universal use
- For 90° angles
- Mounting by means of bolts
- Made of soft rubber
- Applications: window-cleaners, maintenance of airplanes, painters

REF [138TA6974](#)

## SECURITY



Secure your machine against theft with the 'Tire Lock'. Equipped with a numerical safety lock with a 4-digit code. Select the matching model for your tyre size.

REF [138TA6554](#) – Small model:  
Tyre width: from 160 to 360 mm  
Centre distance: max 125 mm

REF [138TA6982](#) – Big model:  
Tyre width: from 195 to 420 mm  
Centre distance: max 240 mm





## WHEEL COVERS



- Set of 4 pieces, also available separately
- Only for indoor use
- Maximum speed: 5 km/h
- Intensive use will result in reduced lifespan of your wheels

**Ideal for:**

- Showrooms
- Recently painted floors
- Renovation & restoration works
- Exhibitions

**REF [139TA1675](#)** - Tyre size: 10-14"

**REF [139TA1676](#)** - Tyre size: 14-22"

**REF [125TA6262](#)** - Tyre size: 23-33"

**REF [125TA6263](#)** - Tyre size: 34-44"

**REF [125TA6264](#)** - Tyre size: 45-52"



PAINT				
Colour	Used on	REF	REF	
			Can 2,5 l	Spray 400 ml
	Blue (crawler machine)	Aichi	<a href="#">136TA1249</a>	
	Blue (scissor lifts)	Aichi	<a href="#">136TA1250</a>	
	Grey	Aichi	<a href="#">136TA1251</a>	
	White	Dino	<a href="#">136TA1254</a>	
	Blue	Genie	<a href="#">107TA7315</a>	<a href="#">165TA4692</a>
	Grey	Genie	<a href="#">107TA7316</a>	<a href="#">165TA4693</a>
	Yellow	Grove	<a href="#">136TA1257</a>	
	Yellow	Haulotte	<a href="#">122TA8932</a>	<a href="#">165TA3656</a>
	White	Haulotte	<a href="#">136TA2993</a>	<a href="#">165TA4694</a>
	Black	Haulotte	<a href="#">107TA7284</a>	<a href="#">165TA3657</a>

PAINT				
Colour	Used on	REF	REF	
			Can 2,5 l	Spray 400 ml
	Red	Haulotte	<a href="#">136TA2994</a>	<a href="#">165TA4695</a>
	Grey (counter weight)	Haulotte	<a href="#">136TA2995</a>	<a href="#">165TA4696</a>
	Grey (frame)	Haulotte	<a href="#">136TA1253</a>	<a href="#">165TA3655</a>
	Orange	JLG	<a href="#">107TA7325</a>	<a href="#">165TA4697</a>
	Beige	JLG	<a href="#">107TA7326</a>	<a href="#">165TA4698</a>
	Grey	JLG	<a href="#">144TA9456</a>	<a href="#">165TA4699</a>
	Beige	Manitou	<a href="#">107TA7344</a>	<a href="#">165TA4700</a>
	Brown	Manitou	<a href="#">107TA7345</a>	<a href="#">165TA4701</a>
	Red	Manitou	<a href="#">107TA7329</a>	<a href="#">165TA4702</a>
	Brown (Mani scopic)	Manitou	<a href="#">111TA4076</a>	

Experience teaches us that the depicted colours on the printed page can never be 100% lifelike.



PAINT

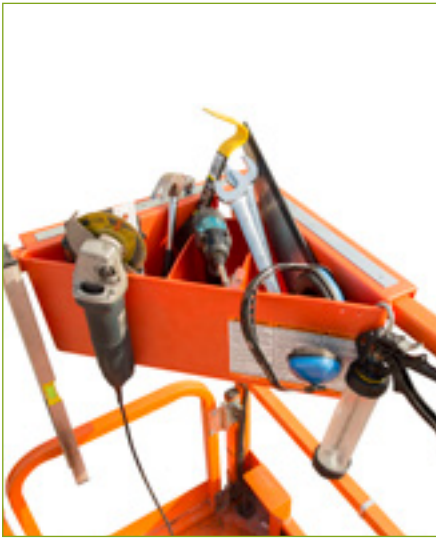
PAINT				
Colour		Used on	REF	
			Can 2,5 l	Spray 400 ml
	Grey (metallic)	Manitou	<a href="#">136TA1272</a>	<a href="#">136TA2970</a>
	Yellow	Manitou	<a href="#">144TA9621</a>	<a href="#">165TA3656</a>
	Orange	Mec	<a href="#">107TA7346</a>	
	Grey	Mec	<a href="#">107TA7347</a>	
	Yellow	Mec	<a href="#">107TA7310</a>	<a href="#">165TA4703</a>
	Black	Mec	<a href="#">107TA7284</a>	<a href="#">165TA3657</a>

PAINT				
Colour		Used on	REF	
			Can 2,5 l	Spray 400 ml
	Green	Nifty	<a href="#">122TA8931</a>	<a href="#">165TA4704</a>
	Orange/Red	Skyjack	<a href="#">145TA1777</a>	<a href="#">165TA3659</a>
	Blue	Upright	<a href="#">122TA7468</a>	<a href="#">165TA4705</a>
	Yellow/Ochre	Primer	<a href="#">107TA7399</a>	<a href="#">165TA4706</a>
	Red/Brown	Primer	<a href="#">107TA7401</a>	<a href="#">165TA4707</a>





## AERIAL TOOL BIN



- Ergonomic, triangular shaped design
- Weight: 4,5 kg
- Dimensions (L x H x W): 620 x 230 x 490 mm
- Holds up to 22 kg
- Made of reinforced, non-conductive, UV protected polypropylene orange plastic
- Light, durable ... and nearly as strong as steel
- Attaches to square or rounded 90 degree corners of a platform's railing
- 3 compartments with removable partition walls
- Multi-positional magnetic parts tray for holding small parts, attaches to the metal strips on top of the bin
- Tool belt holder safely secures a worker's tool belt to the front of the bin
- Built-in handle for easy carrying
- No more bending all-day-long searching for tools and parts. Everything is right at hand
- More relief for your back – your tool belt attaches right to the front of the bin

REF [141TA1508](#)



NOTES

A series of horizontal dotted lines for taking notes, spanning the width of the page below the 'NOTES' header.



# SAFETY, MAINTENANCE & REPAIR



## FALL HARNESSSES



### H-design® 1-point harness

- Cat III
- EN 361
- Back anchorage
- Stretched shoulder webbing
- The H-design harness provides more comfort, freedom of movement and safety to workers

REF [165TA4708](#)

**MILLER**  
by Honeywell

**Honeywell**



### H-design® 2-point harness

- Cat III
- EN 361
- Rear and front anchorage
- 2 webbing loops at the front
- Mating buckles on chest and leg straps
- Stretched shoulder straps
- The H-design harness has been developed to provide more comfort, freedom of movement and safety to workers

REF [147TA4376](#)

**MILLER**  
by Honeywell

**Honeywell**



## LIFELINES



### Shock-absorber lanyard

- Length: 1,5 m
- Cat III
- With 1 screwgate karabiner and automatic snap-hook
- Lightweight and easy to use
- Unique woven shock-absorbing material that reduces fall arrest forces
- Reliable visible inspection: red core becomes visible if the outer jacket is damaged or worn
- Teflon protective finish on the outer jacket prolongs the service life of the lanyard

REF [143TA7089](#)

**MILLER**  
by Honeywell

**Honeywell**



### Self-retracting webbing lifeline (Turbolite block)

- Length: 2 m
- Ca III
- EN 360
- With twistlock and scaf hook
- Turbolite is the first affoldable alternative to shock absorbing lifelines
- Compact and lightweight
- Built-in web load indicator identifies when the unit needs to be removed from services

REF [165TA4709](#)

**MILLER**  
by Honeywell

**Honeywell**





## FALL PROTECTION KITS



### Universal kit with 1-point H-design harness

- EN 361
- EN 360

REF [143TA7097](#)

#### Practical backpack containing:

- REF [165TA4708](#) – H-design® 1-point harness
- REF [165TA4709](#) – Self retracting webbing lifeline
- REF [141TA1171](#) – Back pack

**MILLER**  
by Honeywell

**Honeywell**



### H-design 2-point mating backpack kit

- EN 361
- EN 355

REF [147TA5081](#)

#### Practical backpack containing:

- REF [147TA4376](#) – H-design® 2-point harness
- REF [143TA7089](#) – Shock absorbing lanyard
- REF [141TA1171](#) – Back pack

**MILLER**  
by Honeywell

**Honeywell**



### Titan 1-point fall protection

- EN 361
- EN 355

#### Cost effective kit containing:

- Titan 1-point harness with rear and sternal anchorage
- 2 m shock absorbing lanyard with 2 screwgate karabineres

REF [143TA7096](#)

**MILLER**  
by Honeywell

**Honeywell**



### Secutex fall protection kit

- EN 361
- EN 355

#### Box containing:

- Secur 1 standard fall harness
- 1,5 m shock absorbing lanyard

REF [165TA4710](#)







## HELMET



**Safety helmet, available in multiple colours**  
EN 397 DIN 4840

**Harness:**

- 6-point synthetic harness
- Chin strap fastenings
- Angled neckband
- Exchangeable highly absorbent sweatband

**Shell:**

- Manufactured from polyethylene (PE)
- Comfortable fitting with helmet shell drawn down at the neck
- Lateral slots for ear defenders (30 mm)
- Holes for effective ventilation

REF [143TA7163](#) – Orange

REF [143TA7168](#) – Red

REF [143TA7166](#) – Green

REF [143TA7164](#) – Yellow

REF [143TA7169](#) – White

REF [143TA7167](#) – Blue

## BUMP CAP

**Honeywell**



- With foam liner, stylish bump cap incorporating a ABS skull cap fitted inside
- EN 812 (1997)

REF [143TA7088](#)



## SPECTACLES

**Fashionable sunglasses-style safety spectacles**

- Cat I
- EN 166

**Features & benefits:**

- Offers protection against sunlight
- Lightweight design
- Spring temples:
  - Flexible temples to fit your ears
  - Soft nose bridge to prevent slippage and to fit your nose
- Protects against impact (45 m/s)

**Shade lens colour:**

- Grey: sunlight
- Clear: indoor

**Lens coating:**

- Anti-scratch
- Hydroshield: special anti-fog technology

REF [165TA3780](#) – GreyREF [165TA3781](#) – Clear

## FACE SCREENS

**Safe, practical, economical face screen**

- Cat I
- EN 166
- Integral visor fitting ensures extra protection against liquids and impacts
- Comfortable and lightweight, even during extended usage
- Visor can be tilted upwards and locked in any position
- Easy exchangeable visor in polycarbonate

REF [143TA7066](#)**Replacement part:**REF [143TA7067](#) – Replaceable acetate visor
**Three-part face shield with clear crown and chin guard for optimum protection**

- Cat I
- EN 166
- Flip-up visor for all industrial applications
- Chemical resistance: protects against impacts from flying particles of medium energy, hot solid penetration, liquid splashes and crop sprays all in accordance with cited standards

REF [143TA7065](#)





## SINGLE-USE EARPLUGS



**Honeywell**



**Comfortable single-use, polyurethane foam earplug**

- Bell shape delivers maximum in-ear comfort
- Smooth, soil-resistant closed cell-foam skin prevents dirt build-up
- Single-use earplug

**Life cycle:**

These plugs must be disposed of and replaced after each wearing. Washing and cleaning of disposable earplugs is not recommended.

**Standard:**

- SNR 37 dB
- EN 352-2

REF [140TA8751](#)

## DISPOSABLE FOAM EARPLUGS



**Honeywell**



**Features:**

- Strong ear protection plugs made from health-wise harmless polyurethane foam
- To shape before use
- Conical shaped
- Optimal seating in ear canal
- Hygienic smooth surface

**Standard:**

- SNR 29 dB
- EN 352-2
- EN 13819-1
- EN 13819-2

REF [143TA7077](#) – Box of 200 pairs





## MULTIPLE POSITION EARMUFFS



### Sound managing earmuffs

#### Applications:

- Improves worker safety by blocking noise while voice and signal frequencies can be heard more naturally
- Provides uniform attenuation that blocks low frequency noise but enhances perception of higher voice and warning signal frequencies without distortion

#### Standard:

- SNR 25 dB
- Cat II
- EN 352-1:2002
- EN 13819-1:2003
- EN 13819-2:2003

REF [143TA4455](#)

**Honeywell**



### Noise blocking earmuffs

#### Applications:

- Adjustable headband allows wearer to select position: over the head, behind the neck or under the chin
- The alternative to ear cups fitted to hard hats: compatible with hard hats, face shields, respirators and other PPE
- Non-deforming outer headband withstands rough treatment in the toughest workplaces
- Dielectric construction suitable for all workplaces

#### Standard:

- Cat II
- EN 352-1:2002

REF [143TA7081](#) – SNR 30 dB

REF [143TA7082](#) – SNR 32 dB

**Honeywell**





## HIGH-VISIBILITY RAIN COAT AND PANTS

**SIOPEN**  
**SIOPOR®**  
**REGULAR**



- Fabric SIOPUR® Regular – 100% polyester fabric (plain weave) with 100% PU coating; ± 155 g/m<sup>2</sup>
- 100% wind- and waterproof
- Complies with EN 343 (3,2)

### Coats

Size	REF
S	<a href="#">142TA5782</a>
M	<a href="#">142TA5787</a>
L	<a href="#">142TA5786</a>
XL	<a href="#">142TA5783</a>
XXL	<a href="#">142TA5784</a>
XXXL	<a href="#">142TA5785</a>

### Pants

Size	REF
S	<a href="#">142TA5788</a>
M	<a href="#">142TA5789</a>
L	<a href="#">142TA5790</a>
XL	<a href="#">142TA5791</a>
XXL	<a href="#">142TA5792</a>
XXXL	<a href="#">142TA5793</a>



## SAFETY JACKETS



- Yellow safety jacket
- EN 471

- REF [123TA5548](#)** – Uni-size  
**REF [140TA8863](#)** – M  
**REF [107TA8089](#)** – L  
**REF [107TA8090](#)** – XL  
**REF [107TA8091](#)** – XXL  
**REF [107TA8092](#)** – XXXL



- Orange safety jacket
- EN 471

- REF [123TA5549](#)** – Uni-size  
**REF [141TA7655](#)** – S/M  
**REF [141TA7656](#)** – L/XL  
**REF [141TA7657](#)** – XXL/XXXL



## COLD GRIP GLOVES



The latest generation of winter gloves for protection against the cold

- Cat II
- Lined glove
- High flexibility also in temperatures below -25 °C
- Good insulation, high comfort and fit and good dexterity

REF [141TA7414](#) - Size 9

REF [139TA5996](#) - Size 10

REF [139TA5997](#) - Size 11

## SHOES

### Nubuck leather shoes

- EN ISO 20345:2011
- Puncture resistant steel sole and steel toe
- PU sole
- Nylon mesh lining

- Water repellent
- Antistatic
- Shockproof
- Antiskid



EU	UK	USA	J	REF
38	5	6	24	<a href="#">141TA1532</a>
39	6	7	24,5	<a href="#">141TA1533</a>
40	6,5	7,5	25,5	<a href="#">141TA1534</a>
41	7	8,5	26,5	<a href="#">141TA1535</a>
42	8	9	27	<a href="#">141TA1536</a>
43	9	10	28	<a href="#">141TA1537</a>
44	10	10,5	28,5	<a href="#">141TA1538</a>
45	10,5	11,5	29,5	<a href="#">141TA1539</a>
46	11	12	30	<a href="#">141TA1540</a>
47	12	13	31	<a href="#">141TA1541</a>

EU	UK	USA	J	REF
38	5	6	24	<a href="#">141TA1542</a>
39	6	7	24,5	<a href="#">141TA1543</a>
40	6,5	7,5	25,5	<a href="#">141TA1544</a>
41	7	8,5	26,5	<a href="#">141TA1545</a>
42	8	9	27	<a href="#">141TA1546</a>
43	9	10	28	<a href="#">141TA1549</a>
44	10	10,5	28,5	<a href="#">141TA1547</a>
45	10,5	11,5	29,5	<a href="#">141TA1548</a>
46	11	12	30	<a href="#">141TA1550</a>
47	12	13	31	<a href="#">141TA1551</a>

Low model

High model



## SELF-ADHESIVE ANTISKID ROLLS



### Black antiskid rolls

Length m	Width mm	REF
18,3	19	<a href="#">107TA5239</a>
18,3	50	<a href="#">141TA1160</a>
18,3	100	<a href="#">107TA5240</a>
18,3	150	<a href="#">107TA5241</a>
18,3	200	<a href="#">107TA5242</a>
18,3	300	<a href="#">107TA5243</a>
18,3	610	<a href="#">107TA5244</a>
18,3	1220	<a href="#">107TA8131</a>



### Black and yellow antiskid rolls

Length m	Width mm	REF
18,3	25	<a href="#">107TA8124</a>
18,3	50	<a href="#">107TA8123</a>
18,3	100	<a href="#">107TA8125</a>



### Fluorescent black and white antiskid rolls

Length m	Width mm	REF
18,3	100	<a href="#">107TA8128</a>



### Fluorescent white antiskid rolls

Length m	Width mm	REF
18,3	25	<a href="#">107TA8126</a>
18,3	50	<a href="#">107TA8127</a>



## SELF-ADHESIVE ANTISKID SHEETS



Length mm	Width mm	REF
120	50	<a href="#">165TA4711</a>
185	102	<a href="#">140TA8941*</a>
190	90	<a href="#">165TA4712*</a>
235	85	<a href="#">140TA8937</a>
204	178	<a href="#">107TA5236</a>
280	180	<a href="#">165TA4713</a>
290	55	<a href="#">139TA6811</a>
350	275	<a href="#">140TA8938</a>
480	140	<a href="#">140TA8940</a>
610	152	<a href="#">160TA9772</a>
815	103	<a href="#">139TA1819</a>
900	99	<a href="#">165TA4714</a>
920	150	<a href="#">165TA4715</a>
1000	100	<a href="#">139TA1816</a>
1000	305	<a href="#">107TA5237</a>
1000	610	<a href="#">107TA5238</a>
1270	150	<a href="#">138TA7482</a>
1300	102	<a href="#">165TA4716</a>
1400	102	<a href="#">165TA4717</a>
1800	101	<a href="#">165TA4718</a>
2200	100	<a href="#">165TA4719</a>

\* Antiskid floormat

## ANTISKID SPRAY



### Transparent antiskid spray

- Can be applied to metal, glass fibre plate, marble and many other bases
- Quick application
- In- and outdoor applications
- Suitable for pedestrian traffic
- Coverage: 1,5–2,5 m<sup>2</sup> per spray can
- Content: 400 ml

REF [107TA8122](#)

## ANTISKID COATING



### Absorbing polyurethane coating for all surfaces

- Contains rubber granules that provide a sound absorbing effect
- For hard-adherent surfaces a primer is advised: REF 165TA4727 (1 l)
- Kit 4 l (contains: paint rollers, gloves, abrasive sheet)

REF [165TA3803](#)



## BLACK ANTISKID COATING



### Used friendly antiskit coating

- Surface dry after 1 h
- Suitable for heavy load after 48 h
- Application: brush
- Durable antiskid coating
- High cracking, fracture and shrink resistance
- Remains smooth and flexible
- Impact pressure and wear resistant
- Temperature resistance up to 70 °C
- Colour: black
- Use: ± 1 m<sup>2</sup>/kg
- Content: 5 kg

REF [164TA9701](#)

## SIGNALLING CHAINS



### 25 m signalling chains

Diameter mm	Colour	REF
6	Red/white	<a href="#">107TA8169</a>
6	Black/yellow	<a href="#">107TA8166</a>
8	Red/white	<a href="#">107TA8170</a>
8	Black/yellow	<a href="#">107TA8167</a>
10	Red/white	<a href="#">107TA8171</a>
10	Black/yellow	<a href="#">107TA8168</a>

## POST FOR SIGNALLING CHAIN



### Practical signalling post

- Height: 900 mm
- Diameter tube: 50 mm
- Triangle PVC base (weighted with concrete)

REF [107TA8163](#) – Red/white

REF [147TA4368](#) – Yellow/black





## TRAFFIC CONES



### Traffic cones in different sizes

- REF [107TA8133](#)** – Height: 300 mm
- REF [107TA8134](#)** – Height: 500 mm
- REF [145TA9246](#)** – Height: 700 mm, with weighted base

## SIGNALLING TAPE



### White/red signalling tape

- Length: 250 m
- Width: 80 mm

**REF [107TA8138](#)**

- Length: 500 m
- Width: 70 mm

**REF [141TA7760](#)**



### Black/yellow signalling tape

- Length: 500 m
- Width: 80 mm

**REF [107TA8139](#)**

## LED TRAFFIC LIGHT



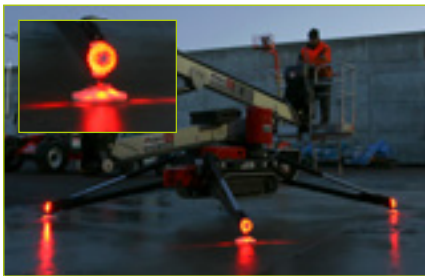
### Double-sided trilateral triangle

- Class 1: switches automatically from day mode to night mode
- Dimensions: 500 x 500 mm
- 3 m cable pre-wired
- Voltage: 12-24 V
- IP68
- Complies with NF EN 12352, NF P 98475 standards
- 2006/28/EC R02 10 03 069 use on local and county roads
- Dual-action hinge (front/back)
- 6 embedded LED lights
- 36 very bright LEDs/light

**REF [165TA4720](#)**



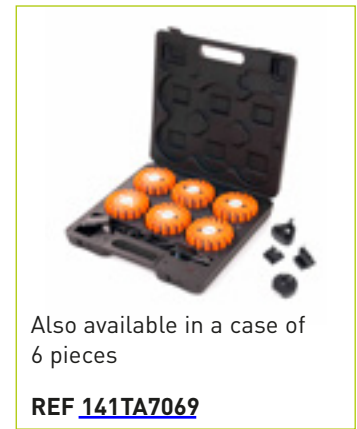
## MAGNETIC RECHARGEABLE LED WARNING LIGHT



**TOTAL SOURCE®**

**These lights can quickly and easily be deployed in case of:**

- Works on and along the road
- Vehicle breakdown
- Loading and unloading of a vehicle
- Events
  
- Height: 34 mm
- Diameter: 106,50 mm
- 9 different flashing patterns
- Shock-resistant
- Magnetic
- Water-resistant
- With universal charger



Also available in a case of 6 pieces

**REF [141TA7068](#)**

**REF [143TA4317](#)** – Non-rechargeable version

**REF [143TA4318](#)** – Extra battery

**REF [141TA7069](#)**

## LED HANDHELD TORCH LIGHTS



- LED nominal power: 3 W
- Light output: up to 250 lumens
- Waterproof
- Holder with magnetic base
- Warning, signal, back-up and emergency light
- Super compact: total length 120 mm without/190 mm with emergency cover

**REF [139TA3255](#)** – Short version

**REF [107TA8136](#)** – Long version



## TOOLBOX 145-PIECES



- Extensive toolbox that contains the most frequently used tools and weights only 11 kg
- Dimensions: 450 x 330 x 142 mm

### Contents:

- Ring spanners (8 - 1 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm)
- Inbusset (1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm)
- Bitset (1/4" hexagon)
- Cap with 1/4" to hex bit adapter
- Sockets 1/4" (4 - 4,5 - 5 - 5,5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 mm)
- Extension: 50 mm (1/4")
- Extension 100 mm (1/4")
- Cardan joint (1/2")
- Screwdriver handle (1/4")
- Top T-piece (1/4")
- Ratchet (1/4")
- Sockets 1/2" (10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 21 - 22 - 24 mm)
- Extension 125 mm (1/2")
- Cardan joints (1/2")
- Resettable key (25 mm long)
- Pliers (240 mm long)
- Cutter (160 mm long)
- Concretors' nippers (220 mm long)
- Pliers (180 mm long) nose pliers (160 mm long)
- Screwdriver slot (3 x 75 - 4 x 125 - 5,5 x 150 - 6,5 x 150 mm)
- Screwdriver Philips (PH1 x 80 - PH2 x 100 mm)
- Voltage tester
- Hammer
- Measuring tape (5 m)
- Hacksaw (bracket 250 mm)
- Cutter (18 mm)

REF [164TA6003](#)

## CONTACT CLEANER



**TOTAL SOURCE®**

**High-quality spray designed to clean electrical contacts such as switches, batteries, terminals, printed circuit board switches and multiple sockets**

- Non-conductive and non-corrosive
- High dissolving properties
- Leaves no residue
- High value for money
- Content: 400 ml

REF [165TA1332](#)

## CHAIN SPRAY



**TOTAL SOURCE®**

**High-quality spray to lubricate chain-driven transmissions that are subject to heavy load and forklift truck**

- To be processed like oil, with the properties of grease
- Water-repellent
- Resistant to weather influence, to weak acids and bases
- High value for money
- Content: 400 ml

REF [105TA4644](#)



## PTE SPRAY



**TOTAL SOURCE**<sup>®</sup>

High-quality lubricant to treat mechanical parts made of metal and plastic

- Low friction factor, fine structure and excellent adhesion
- Outstanding mechanical and thermal stability
- High value for money
- Content: 400 ml

REF [107TA8447](#)

## BRAKE CLEANER



**TOTAL SOURCE**<sup>®</sup>

Efficient brake cleaner with high dissolving properties

- Non-conductive and non-corrosive
- Powerful spray jet for: drum and disc brakes, brake linings, calipers and shoes
- Leaves no residue
- High price/quality ratio
- Content: 500 ml

REF [134TA3719](#)

## MULTIFUNCTIONAL SPRAY WD-40



**Multifunctional spray (cleans, lubricates and protects)**

- Loosens and frees stuck, frozen or rusted metal parts
- Protects metal surfaces against corrosion
- Eliminates squeaking
- Displaces moisture
- Lubricates (pen oil)
- User-friendly
- Content: 450 ml

REF [142TA8197](#)

**Only available in Benelux, Germany, Austria, Switzerland and France**

### Counterdisplay



Content: 24 x 450 ml

REF [165TA1255](#)

### Microstack



Content: 60 x 450 ml

REF [165TA1256](#)



## SERVICE KIT CRC



- Maintenance kit
- Content: 4 x 500 ml

**REF [165TA1254](#)**

### Contains:

- REF [143TA6909](#)** – High speed chain oil
- REF [143TA6905](#)** – White lithium grease
- REF [143TA6901](#)** – 5-56 + PTFE
- REF [143TA6895](#)** – Industrial degreaser

## BRAKLEEN



### Powerful brake parts cleaner

- Removes oil, brake fluid, grease, street dirt and other hardened deposits
- Safe on most rubbers, plastics and coatings
- Fast-drying
- Leaves no residue
- Content: 500 ml

**REF [143TA3579](#)**

## HIGH-VISCOSITY INDEX ANTI-WEAR HYDRAULIC OIL



### Product description:

- Recommended for all kinds of hydraulic systems operating under high pressure (limit as indicated by the pump manufacturer) and high temperature (up to 100 °C in hot spots)
- Lubricants especially suitable for hydraulic systems working under extreme temperature variations and equipment operating outside: easy start-up at low temperatures (-30 °C)

### International specifications:

- Afnor NF E 48-603 HV
- ISO 6743/4 HV
- DIN 51524 P3 HVLP
- Cincinnati Milacron P68, P69, P70
- Vickers M-2950S, -I-286

### Advantages:

- Very high viscosity index and very low pour point
- Very good oxidation stability ensuring a long service life of the fluid
- High protection against wear ensuring maximum equipment life
- Good anti-foam and air release properties by using silicone free components

- REF [107TA7211](#)** – 1 l, ISO VG 15
- REF [107TA7212](#)** – 5 l, ISO VG 15
- REF [141TA5202](#)** – 20 l, ISO VG 22
- REF [141TA2734](#)** – 20 l, ISO VG 32



## LUBRICATION - HYDRAULIC OILS



### Universal hydraulic oil

- Equipment operating outdoors with extreme temperature variations: public works, quarries, transportation.
- Cold starts down to -30 °C. All-season performance.
- Suitable for all kinds of hydraulic systems operating under high pressure and temperature conditions.
- ISO 15

REF [141TA3190](#) - 20 l

REF [141TA3192](#) - 208 l

## MULTI-PURPOSE GREASE



### Multi-purpose grease suitable for a wide range of applications

- Lithium EP2 grease
- Durable
- Content: 400 g

REF [165TA3769](#)

## INDUSTRIAL GREASE GUN



### Grease gun with standing rough conditions with variable stroke system

- Capacity: 500 cc
- M10 x 1 mm
- With 1 high-pressure hose: 11 x 300 mm
- With 1 angled spout, 2 precision machined hydraulic couplers, 4 jaws
- Operates with grease
- Sealing system: o-ring and ball valve prevent grease compressed in the grease gun head from feeding back
- Designed to be utilized under rough conditions with variable stroke system

REF [138TA6594](#)

## CALCIUM SULFONATE COMPLEX GREASE



### Extreme-pressure, water-resistant, high-temperature grease

- Suitable for all kinds of components subjects to high loads, shocks, working in conditions where the grease is in frequent contact with water and dust
- Operating temperature range from -30 °C to 180 °C, NLGI 1/2
- Contents: 400 g

REF [165TA4721](#)





## INTRODUCTION ENERGIC PLUS®



The **Energic Plus** name is synonymous with quality, innovation and durability in power electronics for battery-operated systems.



Energic Plus has had a **long-lasting and successful worldwide presence** in the **energy storage and power supply sectors** for more than 10 years now. With more than 10 000 happy and returning customers on all continents, we can say that we are one of the leading suppliers of battery charging equipment on today's market.

In terms of battery regeneration and diagnostics equipment, Energic Plus® has become the market leader **with currently over 1000 happy and returning customers! We export to more than 170 countries.**



### Products:

With a range of **more than 400 different chargers**, Energic Plus offers an extensive variety of industrial battery chargers that are well-known for their excellent reliability. In addition to the **high-frequency chargers and chargers for traction batteries**, we also offer you **battery accessories** such as measuring equipment, safety kits and connectors. In combination with a large stock, Energic Plus is your answer to all battery-related questions!



Our showpiece is the **Energic REPLUS battery regenerator**, which can give any lead-acid battery a second life. Regeneration is very popular, because 80% of the batteries breaking down and losing capacity are sulphated and can be restored with the right equipment. Sulphation of the internal plates increases the resistance within the battery, making it impossible for the battery to perform up to its full potential. Our Energic Plus regenerator successfully removes sulphation by applying a high frequency pulse in several steps. This process restores battery capacity, giving you the ability to reuse old and sulphated batteries. Our equipment can also be used for annual maintenance, which can double the lifespan of your batteries.



In addition to the fact that the Energic Plus battery regenerator restores the capacity of your batteries, it is also the perfect battery analyser. Since we have a complete load bank built into this device, we can perform a complete load test to check the current capacity of your battery. And we even go one step further: if you use the battery regenerator in combination with our BMS system, you can even easily detect bad cells in your battery bank! So stop wasting time: as of now the Energic Plus product range makes battery analysing and restoring a piece of cake!

### Custom-made solutions:

We gladly assemble the perfect battery maintenance package for your working environment.

For more information, go to [www.energicplus.com](http://www.energicplus.com), or contact us via [info@energicplus.com](mailto:info@energicplus.com).







## ENERGIC REPLUS BATTERY REGENERATORS



When we speak about battery maintenance, diagnostics and regeneration, we find that this is somewhat of a complicated conversation for many people. If you want to analyse and maintain batteries properly and restore their capacity if necessary, then this consumes a lot of time and the answer is often: is this even possible? This takes up too much time and it is too labour-intensive? Don't we need specialised battery engineers for that ...? Does this even work?

Our answer is YES, the REPLUS technology is the most professional and easy-to-use piece of equipment available on today's market! Fast, accurate, efficient, practically effortless, provides fully detailed reports on the battery condition before and after + analysis of the battery down to cell level!

**The Energic Plus battery regenerator is a proven technology we have sold in more than 75 countries and that is used by more than 1000 customers.**

The **Energic REPLUS battery regenerator** ensures a quick regeneration and expands the lifespan of the batteries significantly. This process is fully automatic and doesn't require any special attention since the entire process is temperature-controlled and fully monitored by software. After 30–40 hours, the regenerator will have finished the entire operation which consists of 2 complete charge and discharge cycles specifically designed to desulphate your battery completely.

With minimum maintenance costs and only the highest quality components used during the production, the regenerator is an investment that only brings benefits for your business.

You will be able to analyse your batteries like you have never done before, no stone will be left unturned ... If used in combination with our BMS technology, the REPLUS regenerator will analyse your battery down to cell level, after which the recovery mode will start completely automatic and it will completely desulphate your battery. Once it is finished you can print out the fully detailed report on the battery condition before and after. Don't wait any longer, stop wasting valuable money and get the best out of your batteries with Energic Plus®.





## ENERGIC REPLUS BATTERY REGENERATORS

Expand the lifespan of your batteries: restore your sulphated batteries by means of the electrical high-frequency pulsation process of the battery regenerator.



### Regenerate your sulphated batteries

Battery regeneration is very popular. **80% of the batteries breaking down and losing capacity are sulphated, but can be restored with the right equipment.** Our Energic REPLUS battery regenerator successfully replaces sulphation by active material thanks to an electrical high-frequency pulsation process. This process restores the battery capacity, giving you the ability to reuse old and sulphated batteries. You can also use the battery regenerator for annual maintenance to considerably prolong the lifespan of your batteries. The battery regenerator can be used in every lead-acid-based battery: starter batteries, stationary batteries, traction & semi-traction batteries, Ni-Cad batteries ...

### What is sulphation?

During use, small sulphate crystals form, but these are normal and are not harmful. During prolonged charge deprivation however, the amorphous lead sulphate converts to a crystalline form that deposits on the negative plates. This leads to the development of large crystals, which reduce the battery's active material that is responsible for high capacity and low resistance. Sulphation also lowers the charge acceptance.

**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. Batteries sulphate due to a mix of reasons:**

- The battery was inactive for too long
- The battery was discharged too deeply
- The wrong charger was used
- A bad cell was left untreated
- The battery has reached too high/low temperatures
- The charge cycles weren't observed

### Advantages of using the battery regenerator:

- Combination of battery discharger and battery charger, all combined into 1
- Detailed test reports
- Minimum maintenance cost
- Extended lifespan of batteries
- Quick regenerations
- Free analysing software
- Automation program applied
- 18-month warranty
- CE-certified, MET-certified (US market)
- Wireless connection between regenerator and computer
- Possibility to monitor the regenerator process on smartphone or laptop (within local network)





## ENERGIC REPLUS BATTERY REGENERATORS

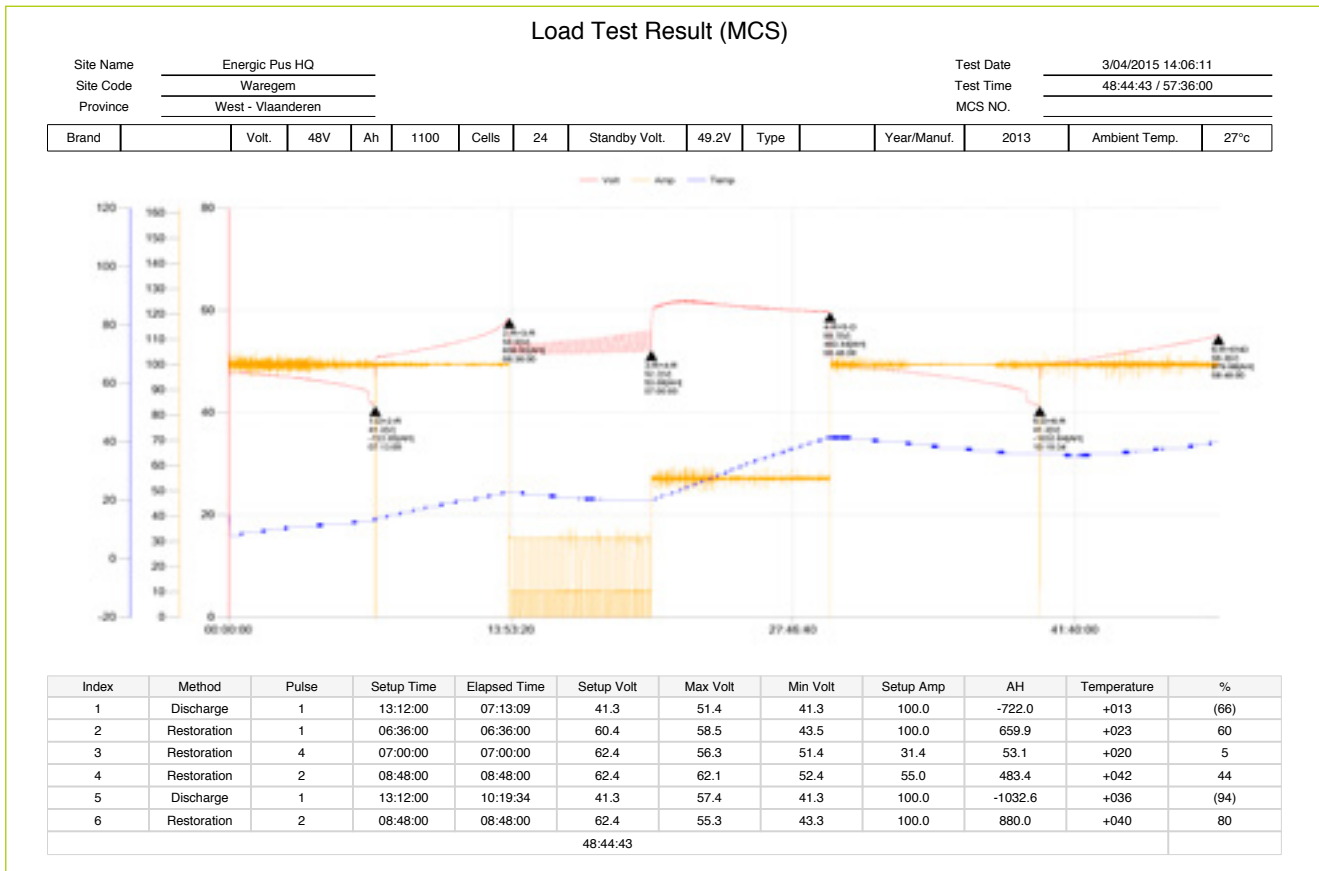
### Regeneration reports

The REPLUS software allows you to create fully detailed reports in PDF, Word or Excel which give you an excellent idea on the condition of the battery prior and after the process. This is how you should interpret the below report: when you compare 1 & 4, you can see that the time needed to discharge the battery is much longer in step 4. This is a direct result of the restoration in mode 2 & 3. When comparing step 5 to step 2, you can see that the set battery voltage is reached much later than in step 2. This means that your battery lasts longer and has been restored to a good condition.

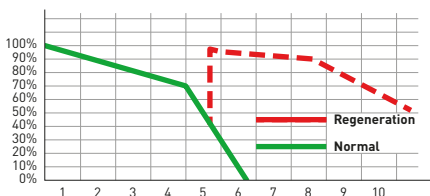


### This curve shows a complete restoration:

1. Controlled discharge
2. Restoration
3. Restoration
4. Discharge
5. Restoration

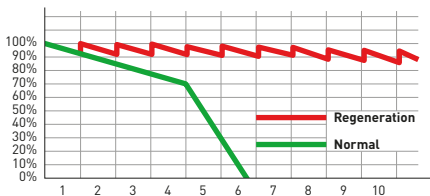


### 2 ways to use the battery regenerator:



#### 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 regeneration:

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



## ENERGIC REPLUS BATTERY REGENERATORS

Multi-purpose all-in-one battery tester, analyser and desulphation unit, multivoltage with a wide capacity range, that will automatically switch between discharging, charging/restoration in order to get the maximum amount of life out of your batteries. Professional workshop equipment for the battery professional. Comes with free training at your location.



When used in combination with our BMS system, you will get detailed reports on overall battery condition as well as individual cell condition.

The most complete battery maintenance system available in today's market.



**Specifications:**

- Input power: AC 1P2W + PE 220 V – 50/60 Hz, 35 A max
- Output: DC 1,2–100 V, 0–30 A charging/discharging\*
- Battery capacity: 300 Ah (c10)
- Transformer: 7,5 kW
- Certification: CE/UL

**REF [139TA1918](#)**



**Specifications:**

- Input power: AC 3P3W + PE 380/400 V – 50/60 Hz, 20 A max
- Output: DC 1,2–120 V, 0–50 A
- Battery capacity: 500 Ah (c10)
- Transformer: 10 kW
- Certification: CE

**REF [139TA1917](#)**



**Specifications:**

- Input power: AC 3P3W + PE 380/400 V – 50/60 Hz, 35 A max
- Output: DC 1,2–125 V, 0–100 A charging/discharging\*
- Battery capacity: 1000 Ah (c10)
- Transformer: 20 kW
- Certification: CE/UL

**REF [138TA6595](#)**



**Specifications:**

- Input power: AC 3P3W + PE 380/400 V – 50/60 Hz, 125 A max
- Output: DC 1,2–75 V, 0–350 A charging/discharging\*
- Battery capacity: 3500 Ah
- Transformer: 70 kW
- Certification: CE

**REF [139TA5237](#)**

\* (Discharge capacity can be increased to 200 A if you connect D1007H in sync)



## BMS SYSTEM: WIRELESS DETECTION OF BAD CELLS

A batterybank consists out of a number of cells/batteries connected in series. With the BMS system you will get professional individual voltage measurements of all cells during a complete discharge that will **provide a perfect evaluation of the battery**. Ordinary capacity systems only display the total voltage and capacity of the battery, but never the results per individual cell. With this BMS you get a clear overview of the performance of each cell, allowing you to make an exact evaluation.

### The BMS system offers:

- Duration test during the entire discharge/regeneration process
- Real-time monitoring
- Analysis function by means of the supplied software
- No tangled up wires thanks to the easy wireless connection
- Crystal-clear overview of the battery capacity
- Can be synched with the REPLUS regenerator

The system consists of a number of voltage detectors that is equal to the number of cells. The sensors transfer the voltage of each cell wirelessly to the receiver (best to be performed during A COMPLETE discharge process). The receiver – connected to a PC – collects the data.

If you use this system in combination with our new D1007h battery discharger or REPLUS battery regenerator, you will be able to detect the faulty element and increase the battery's capacity.

Thanks to the **software program** that is supplied with the sensors, you can now easily detect which element is no longer keeping its charge and needs to be replaced or regenerated. The software checks the actual voltage of each sender every 3 minutes and stores this value in a table. Colour codes indicate the charge condition of each cell (empty to full) continuously, as a result of which the performance curves are very detailed.

Free analysing software and indication of the bad element

Cell No	00:00	00:03	00:06	00:09	00:12	00:15	00:18	00:21	00:24	00:27	00:30	00:33	00:36	00:39	00:42	00:45	00:48	--3min
#1	2.11	2.11	2.04	2.03	2.02	2.01	2.01	2.00	2.00	2.00	2.00	2.00	1.99	1.99	1.98	1.98	1.98	
#2	2.13	2.13	2.05	2.05	2.03	2.03	2.03	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	
#3	2.14	2.14	2.06	2.06	2.04	2.04	2.04	2.03	2.02	2.02	2.02	2.02	2.02	2.01	2.02	2.01	2.01	
#4	2.14	2.14	2.03	2.02	1.99	1.99	1.98	1.97	1.96	1.96	1.96	1.95	1.94	1.94	1.94	1.93	1.93	
#5	2.16	2.16	2.03	2.02	1.98	1.98	1.98	1.96	1.95	1.95	1.94	1.93	1.93	1.92	1.92	1.91	1.91	
#6	2.13	2.13	2.01	2.00	1.97	1.96	1.96	1.95	1.94	1.94	1.93	1.93	1.93	1.92	1.92	1.91	1.91	
#7	2.13	2.13	2.02	2.01	1.99	1.99	1.99	1.98	1.97	1.97	1.97	1.96	1.96	1.96	1.96	1.95	1.95	
#8	2.10	2.10	2.02	2.01	2.00	2.00	1.99	1.98	1.98	1.97	1.97	1.97	1.96	1.96	1.96	1.96	1.96	
#9	2.15	2.15	2.01	2.00	1.97	1.96	1.96	1.95	1.95	1.94	1.94	1.93	1.93	1.92	1.92	1.92	1.91	
#10	2.15	2.15	1.98	1.96	1.92	1.92	1.91	1.89	1.89	1.88	1.87	1.85	1.86	1.85	1.84	1.83	1.83	
#11	2.10	2.10	1.91	1.89	1.84	1.83	1.82	1.80	1.78	1.77	1.75	1.73	1.71	1.68	1.65	1.61	1.56	
#12	2.14	2.15	1.98	1.96	1.92	1.92	1.91	1.89	1.88	1.87	1.86	1.85	1.84	1.83	1.82	1.81	1.80	
Sum	25.58	25.59	24.14	24.01	23.67	23.63	23.58	23.42	23.34	23.28	23.22	23.14	23.08	22.99	22.94	22.83	22.74	
Avg	2.13	2.13	2.01	2.00	1.97	1.97	1.97	1.95	1.95	1.94	1.94	1.93	1.92	1.92	1.91	1.90	1.90	

Custom-made BMS kits without receiver available on request.



Voltage V	Content	REF
6-48	9 sensors of 6 V (no receiver)	<a href="#">165TA3754</a>
12-120	10 sensors* + 1 receiver	<a href="#">141TA5241</a>
48	24 sensors** + 1 receiver	<a href="#">141TA1479</a>
80	40 sensors** + 1 receiver	<a href="#">141TA1480</a>
	BMS system for nickel-cadmium batteries 60 cells of 1,2 V and 15 sensors with 4 channels of 1,2 VDC	<a href="#">165TA3755</a>
	Receiver for BMS system	<a href="#">165TA4722</a>

\* each sensor measures 1 battery of 12 V

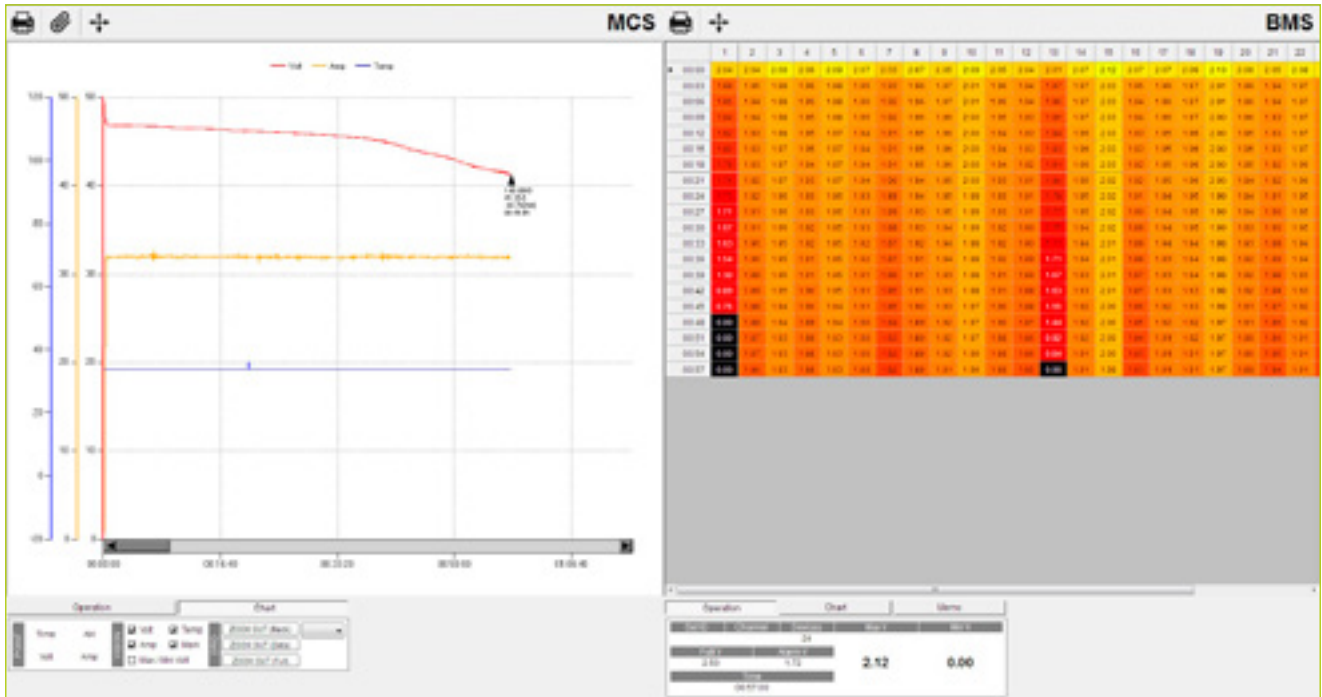
\*\* each sensor measures 1 cell of 2 V





## BMS SYSTEM: WIRELESS DETECTION OF BAD CELLS

Synched regeneration report of REPLUS + BMS system



If you combine the regenerator with the BMS system, then this can be controlled by 1 software package that gives you all the info you need to have a fully detailed view on the condition of your battery down to cell level, during a complete load test.

On this particular graph it is clear that the battery has **2 weak cells that need to be replaced**.



With just 2 clicks, you can create these fully detailed reports that you can then easily save as a PDF, Word or Excel file. Professional information that will give you a full understanding of the battery. These reports can be used to inform the customer on the current condition of his battery or can be kept by yourself as a track record of the condition of your own batteries.



## FLUKE 279FC THERMAL MULTIMETER

The 279FC is a full-featured digital Multimeter with integrated thermal imaging and is designed to increase your productivity and confidence. The Thermal Multimeter helps you find, repair, validate and report many electrical issues quickly so that you are confident problems are quickly solved. Thermal imaging Multimeters are a first-line troubleshooting tool for electrical equipment that can check hot spots on high-voltage equipment and transformers, detect heating of fuses, wires, insulators,

connectors, splices and switches. Compatible with iFlex® (a flexible current clamp) to expand your measurement capabilities and get into tight, hard-to-reach spaces for current measurement (up to 2500 A AC). Also with built-in Fluke Connect®, transmit results wirelessly to a smartphone and save time on reporting to validate work is complete. Size (H x W x D): 216 x 57 x 94 mm. Weight: 0,794 kg. Warranty: 3 years.

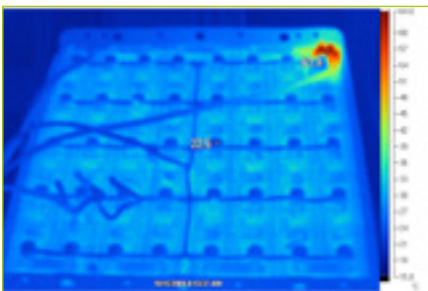
**FLUKE®**



### Fluke 279FC Specifications:

- Full-featured Multimeter with built-in Thermal imager
- 15 measurement functions including: AC voltage with low-pass filter, DC voltage, Resistance, Continuity, Capacitance, Diode test, Min/Max/Avg, AC current (with iFlex), Frequency
- Thermal imaging reveals many electrical issues quickly and safely, eliminating the need for time-consuming testing and validation
- Two-in-one tool is designed to increase productivity. No need to go back to the truck or office to retrieve a shared camera or wait for the thermographer. Do more in less time.
- iFlex expands your measurement capabilities, allowing you to get into tight, hard-to-reach spaces for current measurement (up to 2500 A AC)
- Designed for durability, built to withstand a 3 m drop, double insulated with raised rubber holster for increased protection
- Save measurements and images while communicating wirelessly with a smartphone up to 6,1 m away
- Image resolution 80 x 60 mm
- Full-colour 3,5"/8,9 cm LCD screen provides clean, crisp readings
- Rechargeable lithium-ion battery allows for a for a full work day (10+ hours) under normal conditions
- Auto power off to save battery power

REF [165TA3756](#) – Fluke 279FC/IFLEX TRMS thermal multimeter with iFlex



The thermal image was taken on an 80 V battery where – after thermal analysis – it turned out that **a bad connector on this battery was the cause of the battery failure.**

Via the free supplied software it has become clear that the average battery temperature was 22 °C, and that this temperature climbed to 62 °C in the vicinity of the bad connector. A temperature difference is not possible within one and the same battery, so this must be repaired.

### FLUKE 500-SERIES BATTERY ANALYSERS

**Reduced testing complexity, a simplified workflow and an intuitive user interface provide a new level of ease-of-use in battery testing.** The Fluke 500-series Battery Analyser is the ideal test tool for maintenance, troubleshooting and performance testing of individual stationary batteries and battery banks used in critical battery back-up applications. The intuitive user interface, compact design and rugged construction ensure optimum performance, test results and reliability. Fluke 500-Series Battery Analysers cover a **broad range of battery test functions** ranging from DC voltage and resistance tests to full condition testing using an automated string function testing and the test probe integrated infra-red temperature measurement system. 500-series Battery Analysers are designed **for measurements on stationary batteries of all types.**

REF [145TA8979](#) – Fluke BT521





## DIGITAL DENSITY METER

### Features:

- Robust housing
- Ideal for fast measuring routines
- Direct measurement out of the storage container
- Only 2 ml of sample needed for measurement
- Perfect traceability of results
- Inspection window to check whether your sample is filled without bubbles
- Bluetooth data transfer to your PC

### Specifications:

- Measuring range:
  - Density: 0 g/cm<sup>3</sup> to 3 g/cm<sup>3</sup>
  - Temperature: 0 °C to 40 °C
  - Sample volume: 2 ml
  - Dimensions (L x W x H): 245 x 103 x 126 mm
- Internal storage: 1024 measured results, 250 sample IDs, 30 measuring methods
- Power supply: 3 AA-batteries
- Weight: 660 g
- Immediate temperature compensation to 25 °C

REF [164TA9799](#)

99,9% accurate and 50% faster than standard density testing





## DISCHARGER AND BMS SYSTEM

### Portable battery discharger and BMS system

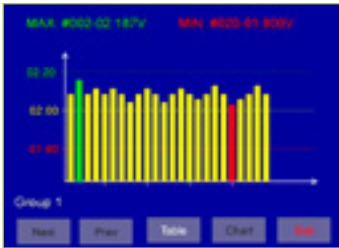


This load bank is designed to discharge batteries with a precisely controlled current – adjustable from zero to the maximum rated value – while keeping the battery voltage under control.

The control board measures the total capacity (Ah) discharged from the battery while the individual cell voltages are constantly monitored during the complete discharge cycle by the included wireless voltage modules. A battery charger can be connected to the discharge system, this way the voltage of each cell can be monitored during both discharge and charge.

With the supplied software you can now easily detect which element is no longer keeping its charge and needs to be replaced or regenerated. All data is automatically stored in the built-in memory and can be consulted on the 5,7 inch LCD touchscreen or transferred to your computer via USB.

**With this package you will have all the tools you need to analyse your batteries down to cell level and generate detailed reports. This tool is a professional piece of equipment used to measure your batteries' capacity and detect bad cells.**



#### Features:

- Very compact and light-weight unit, extremely suitable for on-site capacity testing
- Supplied in a strong and mobile flightcase that can easily be taken everywhere
- 5,7 inch LCD touchscreen for easy operation and display of various parameters in real time
- Internal memory: saves each test result automatically and protects data
- Can be programmed with up to 8 sets of test parameters, speeding up test setup and performance
- Supports real-time monitoring with a PC or stores data internally for later transfer via USB
- PC software included for detailed analysis of test results and generation of reports
- Wireless voltage modules included for individual voltage monitoring of each battery cell



Battery voltage	Discharge current
VDC	A
20-40	0-75
40-60	0-150



REF [144TA7479](#)



## BATTERY DISCHARGER MPD-1007E

**Product overview:**

A discharge test is the only way to properly verify battery capacity. With the D-100H this has been made possible. During the discharging test, you don't need to adjust the current manually the MPD1007E is a constant current automatic discharger with exact sensing function of the current through digital control regardless of voltage range. It can be connected with the REPLUS regeneration system and check battery performance accurately. The discharge can be used as a standalone discharger or it can be connected in synch with the REPLUS regenerators in order to increase the discharge power of the REPLUS regeneration machines.

**Features:**

- Perfect synch possible with REPLUS regenerators and Energic Plus BMS system
- Automatic switching according to discharge current
- Designed for testing 12 V, 24 V, 36 V, 48 V, 72 V, 80 V, 96 V batteries
- Discharging range: 1,0–200,0 A (up to 1,000 AH c5 forklift battery)
- Discharge auto-shutdown for time duration, setup voltage & capacity
- Over discharge battery protection
- Built-in circuit breakers for emergency shutdown and overload protection
- Reverse voltage protection

**REF [165TA2362](#)**

AC input	
Voltage range	AC 100–120 V or AC 200–240 V
Frequency	50 Hz/60 Hz
Phase	Single-phase

Discharge functions	
Voltage range	DC 10,0–110,0 V
Current range	1,0–200,0 A (Constant current)
Accuracy	Current: 1,0% Voltage: 0,2–0,5%
Resolution	Current: 0,1 A Voltage: 0,01 V
Discharge data transfer	USB, Zigbee wireless (2.4 GHz)

User interface	
Display panel	128 x 64 mono-LCD
Interface switch	Rotary & push switch
LED Indicator	2-LED indicators – Power, discharging
Alarms (notices on display screen)	– Battery connection – Reverse battery electrode

SYNCH with REPLUS regenerators	
REPLUS support model (See page 875)	<b>REF <a href="#">139TA1918</a></b> <b>REF <a href="#">138TA6595</a></b> <b>REF <a href="#">139TA5237</a></b>
Current range	1,0–200,0 A
Protocol interface	RS-232
Discharge function support	Manual mode discharge Program mode discharge & restoration mode pulse 3, 4
PC software support	YES, wireless communication support. (use existing REPLUS operation method)
BMS (battery monitoring system) support	

Environment	
Operation temperature	0–50 °C (32–122 °F)
Humidity	5–90% RH

Mechanical	
Dimensions/weight	45 kg

Accessories	
Cable	70 mm <sup>2</sup> x 1,5 m, SB-350
USB	Provide USB



NOTES

A series of horizontal dotted lines for taking notes, spanning the width of the page.



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