

TVH®

Catalogue

REPLACEMENT PARTS FOR

MOBILE ELEVATING WORK PLATFORMS

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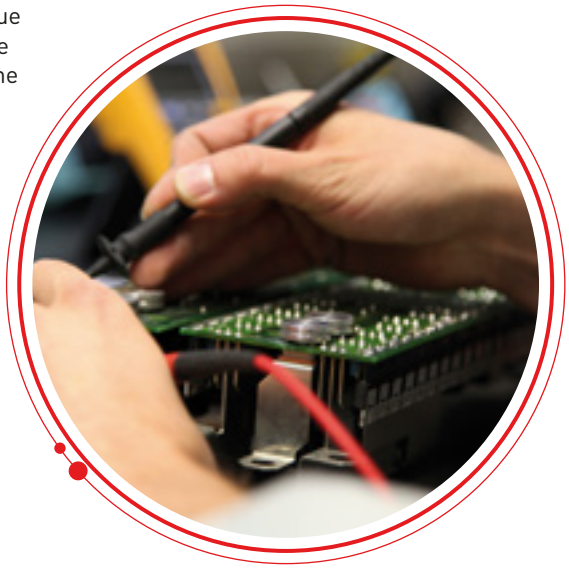


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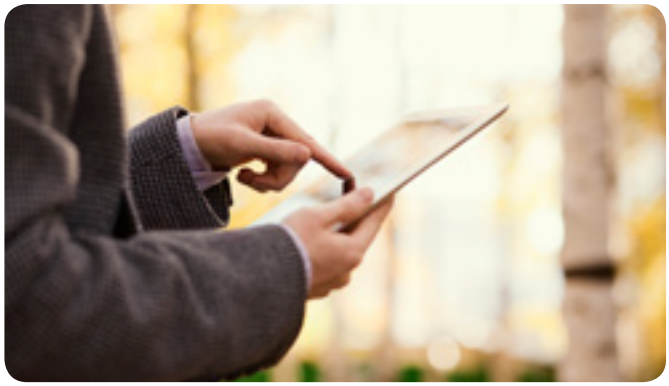
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- Фильтры 590
- Детали кузова и шасси 594
- Чехлы и аксессуары 604
- Деколи 606
- Колеса и шины 609
- Металлические изделия 612

Используется для Skyjack **615**
- Джойстики и узлы управления 616
- Контроллеры и печатные платы 619
- Электрические части 620
- Переключатели 627
- Датчики 633
- Индикатор и счетчики часов 635
- Гидравлически узлы 636
- Запчасти к двигателям 642
- Фильтры 644
- Детали кузова и шасси 645
- Чехлы и аксессуары 652
- Деколи 653
- Колеса и шины 659
- Металлические изделия 662
- Другие части 664

Используется для Snorkel **665**
- Джойстики и узлы управления 666
- Контроллеры и печатные платы 669
- Электрические части 672
- Переключатели 679
- Датчики 685
- Индикаторы и счетчики часов 687
- Гидравлически узлы 688
- Запчасти к двигателям 695
- Детали кузова и шасси 696
- Деколи 701
- Колеса и шины 704
- Металлические изделия 706
- Другие части 708

Используется для Teupen **709**
- Джойстики и узлы управления 710
- Контроллеры и печатные платы 711
- Электрические части 712
- Переключатели 716
- Датчики 722
- Индикаторы и счетчики часов 723
- Гидравлически узлы 724
- Запчасти к двигателям 726
- Детали кузова и шасси 730
- Чехлы и аксессуары 734
- Деколи 735
- Колеса и шины 736

Используется для Upright **737**
- Джойстики и узлы управления 738
- Контроллеры и печатные платы 742
- Электрические части 746
- Переключатели 756
- Датчики 764
- Индикаторы и счетчики часов 769
- Гидравлически узлы 770
- Запчасти к двигателям 779
- Фильтры 781
- Детали кузова и шасси 782
- Чехлы и аксессуары 788
- Деколи 789
- Колеса и шины 792
- Металлические изделия 797
- Другие части 799

Используется для Youngman **801**
- Джойстики и узлы управления 802
- Контроллеры и печатные платы 803
- Электрические части 804
- Переключатели 807
- Датчики 812
- Индикаторы и счетчики часов 813
- Гидравлически узлы 814
- Детали кузова и шасси 816
- Чехлы и аксессуары 821
- Деколи 823
- Колеса и шины 824

Универсальные части **825**
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- Стартерные аккумуляторы 827
- Управление аккумулятором 830
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- Зарядные устройства 836
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- Клеммы и соединения 840
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- Индивидуальная защита 854
- Безопасность 862
- Техническое обслуживание 867
- Техническое обслуживание и ремонт 871



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).











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).

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):

- 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

myPS MyProductSearch

myPF MyPartsFinder

Repair

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

CURTIS – Distributor and Authorized European Service & Repair Centre

Distributor

elektrosistem – Distributor

TECH/OPS SEVCON – Global After-market Sales Partner & Authorized Service & Repair Centre

SME – SME Worldwide Service Center

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



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

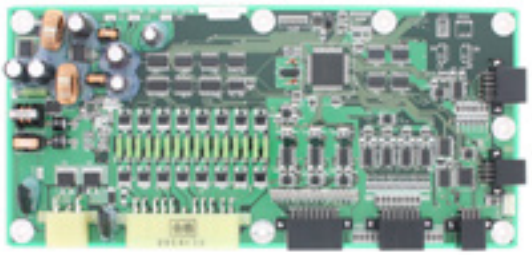
REF 150TA9653

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 mm²
- 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 mm²
- 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 mm²
- Type of loom: multiple cables
- Total length: 9,1 m
- Number of plugs: 6

Used on SV60CNL/SV08CNL

REF 165TA3833



- Cable type: cables < 6 mm²
- 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 mm²
- Type of loom: multiple cables
- Total length: 18,44 m
- Number of plugs: 7

Used on SR123/ISR403

REF 150TA9788



- Cable type: cables < 6 mm²
- Type of loom: multiple cables
- Total length: 18 m
- Number of plugs: 6

REF 150TA9789



- Cable type: < 6 mm²
- Type of loom: multiple cables
- Total length: 25,5 m
- Number of plugs: 6

Used on SR182/ISR602, SR182

REF 150TA9787



- Cable type: < 6 mm²
- 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

USED ON AICHI

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	**146TA8322**
	On–on	3	125/250	6	SR14CJ, SR21A, SR12C, SR12-400C, SR14-460CJ, SV06C/SV08C, SP12C/SP14C, SR210, SR18-21A(J)/ISR60-70(J)	**146TA8323**
	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	**146TA8324**
	On–off–on	3	125/250	6	SR14CJ, SR21A, SR12C, SR12-400C, SR14-460CJ, SP12-400C/SP14-460CJ, SV06C/SV08C, SP12C/SP14C	**146TA8325**
	On–off–on	6	125/250	6	SR14CJ, SR21A, SR12C, SR12-400C, SR14-460CJ, SP12-400C/SP14-460CJ, SR210, SP12C/SP14C	**146TA8328**

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

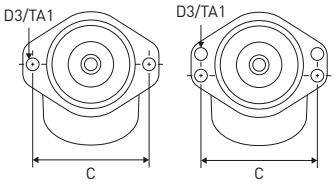
REF 112TA4854

HYDRAULIC MOTOR



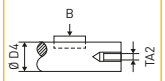
Type of flange

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

USED ON AICHI

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

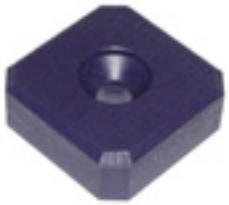


- Length: 54 mm
- Width: 45 mm

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	150TA9619
	43	Plastic	SR123/ISR403, RZ090, SR123J/ISR403J, SR123	150TA9621
	60	Plastic	SR18,21A/(J)/ISR60,70(J), SR18, 21A(J), SP18, 21A(J)/ ISP60, 70(J)	150TA9622
	80	Plastic	SR123/ISR403, RZ090, SR123/ ISR403-90, SR123	150TA9700
	100	Plastic	SR210, SP350, RZ150, RZ150/ IRZ500, SR182/ISR602, SR210/ISR700	150TA9617

WEAR PADS

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

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

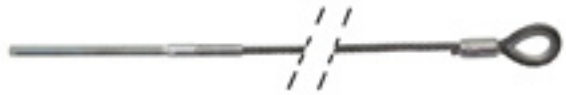


- Inner diameter: 15,4 mm
- Outer diameter: 45 mm
- Width: 16,8 mm
- Material: plastic

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

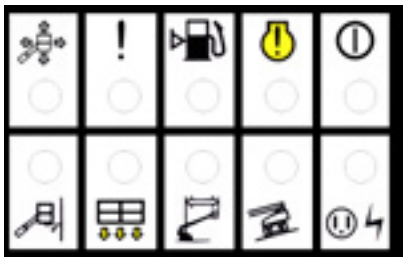


- Type of spring: push type
- Centre distance: 670 mm

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

REF 150TA9706

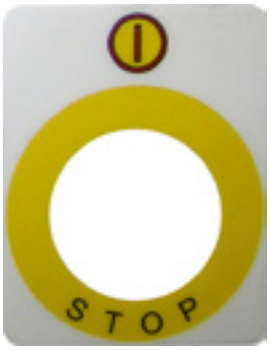
DECALS



- 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

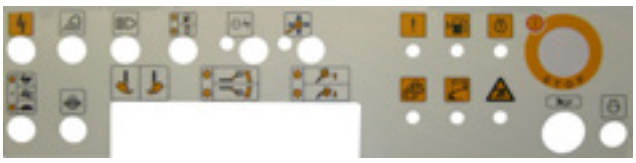
REF 138TA2883



- Length: 440 mm
- Height: 32 mm

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

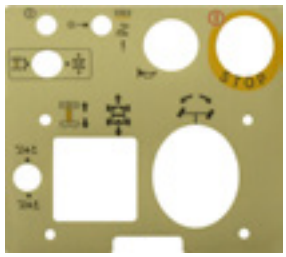
REF 165TA3865



- Length: 535 mm
- Height: 133 mm

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

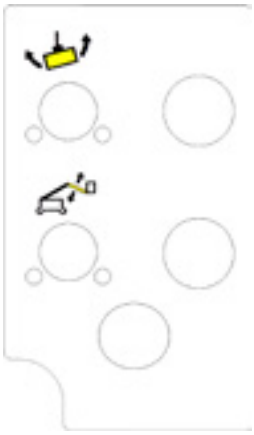
REF 138TA2884



- Length: 206 mm
- Height: 200 mm

Used on SV06CNL/SV08CNL

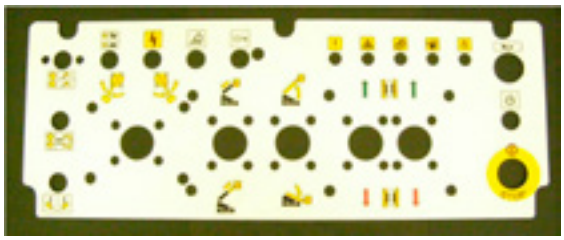
REF 138TA3335



- 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)	143TA8888
	100	190	50	147	SR12B(J)/ISR40B(J)	165TA3866
	116	196	42	110	SR12, SR210, SR18A/ SR21A, SR182, SR182/ ISR602, SR210/ISR700	165TA3867
	134	146			SR12B(J)/ISR40B(J), SR14CJ, SR14C, SR12C	143TA8869

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
	134	193	51	150	SR14CJ, SR14C, SR12C	143TA8850
	135	176	50	148,3	SR12B(J)/ISR40B(J)	143TA8849
	158	235	90	204	SR123/ISR403, RV093, SR123/IRV303, 403-90, RZ090, RV123/ IRV403-90, SR123	144TA6599
	164,5	278	102	239	SR210, SR182, SR18A/ SR21A, SR182/ISR602, SR210/ISR700	143TA8566

TRACK SPROCKETS

	Number of teeth	Number of mounting holes	Inner diameter mm	Outer diameter mm	Used on	REF
	19	9	230	429	SR14CJ, SR14C, SR12C, SR12B(J)/ ISR40B(J)	143TA9072
	21	15	325	603	SR18A/SR21A	143TA9013

IDLER



- Total height: 600 mm
- Diameter of the wheel: 380 mm

Used on SR14CJ, SR14C, SR12C, SR12B(J)/ISR40B(J)

REF 143TA9565

RUBBER TRACKS NON-MARKING

	Colour	Width mm	Number of links	Pitch length mm	Type	REF
	White	150	45	60	X40RC, X40RC3	165TA3871
	White	200	42	72	RV040, RV041, RM040	165TA3872
	White	200	56	72	RV060, RV061, RX061	134TA8201

TRACK PARTS



- Rubber clip-on pad for steel plate
- Width: 450 mm

REF 165TA3873



- Rubber clip-on pad for steel plate
- Width: 500 mm

REF 152TA2180

UNDERCARRIAGE PART



- Total length: 190 mm
- Diameter mounting holes: 34,8 – 22 – 12,2 mm

Used on SR14CJ, SR14C, SR12C, SR12B(J)/ISR40B(J)

REF 165TA3874

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

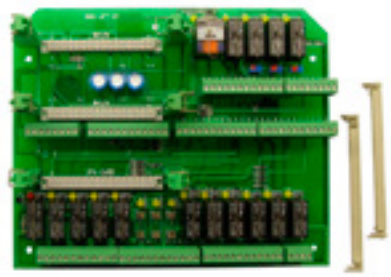


Right-hand side, dual-axis

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

REF 147TA5967

PRINTED CIRCUIT BOARDS



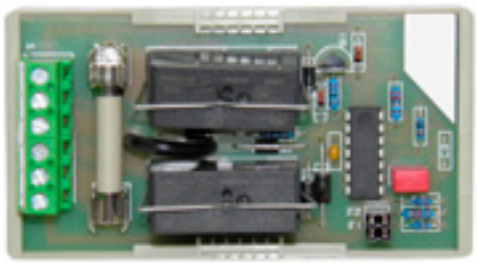
Circuit board

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 mm²
- 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



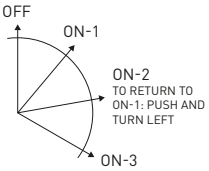
Diameter: 16 mm

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

USED ON DINOLIFT

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 mm²

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

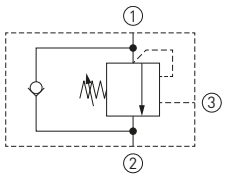
Used on 125T, 135T, 150T, 180T, 230T, 160XT, 180XT, 210XT, 260XT, 150ZX

REF 147TA6029

USED ON DINOLIFT

CARTRIDGE VALVES



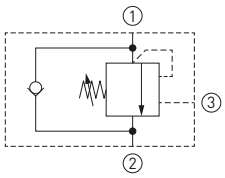


- Thread: M20 x 1,5 mm
- Length: 91 mm

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

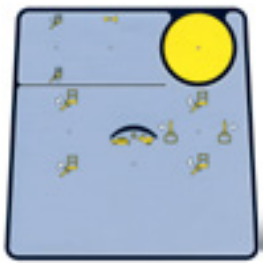
REF 147TA5942

DECALS



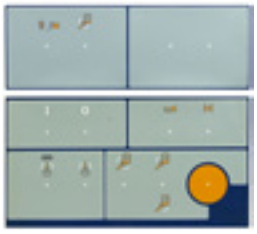
- Length: 119,5 mm
- Height: 20 mm

REF 138TA1812



- Length: 196 mm
- Height: 196 mm

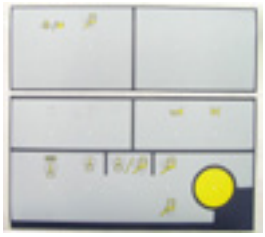
REF 147TA6003



- 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 mm²
- 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

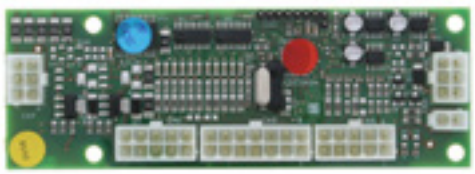
Used on GS1530/3246,TZ50, GRC12, QS12/15/20(R)(W), GR8/12/15

REF 161TA5725



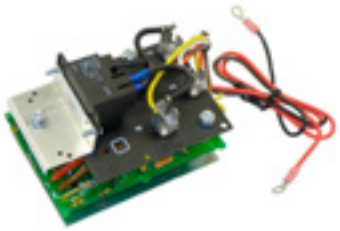
Electronic control unit

PRINTED CIRCUIT BOARDS



Electronic plate

Used on GR-20J



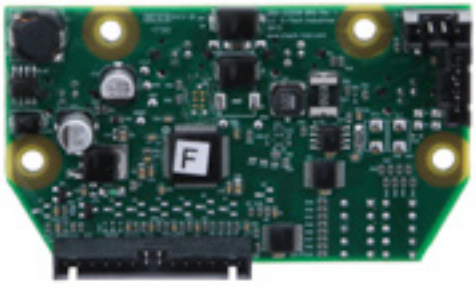
Electronic timer assembly 60 Hz

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

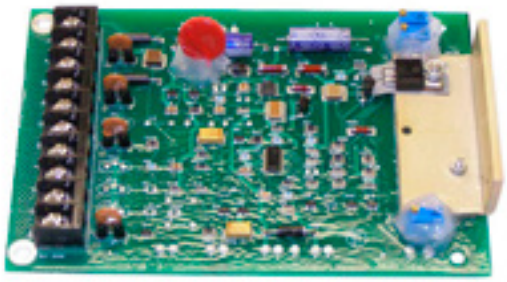
PRINTED CIRCUIT BOARDS



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	161TA2053
	5–16	85–95	27,8	S-120, S-100, Z-80/60, Z-135/70, S-3800, ZX-135/70, SX-180	161TA1664
	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	151TA2422
	6–28	95–108 (at sound pressure level 30 cm)	29	GS26693369/4069DC, GS2032/3246, QS12/15/20(R)(W), GRC12	128TA3427
	5–25	93	29	S40/45, S80/85, Z45/25IC-Z4525/J IC, GR20/26J	128TA3429
	6–28	90	27	GR-20/26J	160TA5461

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 mm²	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	160TA9716
	6	Multiple cables	220	2	AWP, CPW, DPL, GR, GRC, Genielift, GS, IWP, QS, TMZ	128TA3088
	6	Multiple cables	675	2	GS-1530, GS-2032, GS-4047	161TA4383
	6	Multiple cables	1100	2	GS-30, GS-1530	160TA9869
	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	161TA1710
	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	161TA2154

CABLE LOOMS

	Cable type mm²	Type of loom	Total length mm	Number of plugs	Used on	REF
	6	Multiple cables	6450	2	GS-84, GS-3384	160TA9678
	6	Multiple cables	6766	2	GR-12, QS-12R	160TA9864
	6	Multiple cables	7030	2	GS-30, GS-1530 from serial n° 00001 to 75999	161TA1647
	6	Multiple cables	8270	2	GS-30, GS-1530 from serial n° 00001 to 75999	160TA9834
	6	Multiple cables	8205	2	GS-2032, GS-2046	160TA6163
	6	Multiple cables	14 200	2	GS-2668 DC, GS-2668 RT, GS-2668DC, GS-2668RT, GS-2668	160TA9346
	6	Multiple cables	14 930	2	GS-3390, GS-3384, GS-84	160TA9563
	6	Multiple cables	20 880	2	S-60	160TA9250

CABLE LOOMS

	Cable type mm²	Type of loom	Total length mm	Number of plugs	Used on	REF
	6	Multiple cables	20 900	2	S-60	160TA9282
	6	Multiple cables	24 350	2	GS-3390, GS-84, GS-3384	160TA9361
	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	160TA9797
	6	Multiple cables	1440	4	GS-2668 DC, GS-2046, GS-2032, GS-1530 from serial n° 00001 to 75999, GS-2668DC	128TA3089
	6	Multiple cables	2020	4	GS-30, GS-1530 from serial n° 00001 to 75999	160TA7843
	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	160TA9726
	6	Multiple cables	18 000	4	S-40	160TA8591
	6	Multiple cables	1845	10	S-120, S-100, S-80, S-60	160TA7961

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	**160TA7679**
	12 DC	100	100	No	No	S-80, S-60, S-40, Z-60/34, Z-135/70	**160TA9061**
	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	**160TA9767**
	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	**126TA4732**
	12	150	150	Yes	No	Z-45/22, Z-45/22 MP	**106TA1644**

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	161TA2123
	24	200	200	No	No	V-2470, Z-30/20, V-4M, TMZ-34/19, GTH-644, TS20	111TA4054
	24	150	150	Yes	No		106TA1645
	24	200	200	No	No	Z-30/20N, GS1530/GS1930, Z-34/22N, Z-34/22N-Z-34/22DC, GS2046/GS2646/GS32	128TA3008
	24	150	150	No	Yes		107TA1359
	24	80	80	No	No		128TA3000

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
Mini					
	12	DC	20/15	GS2669/3369/4069-R, SX180, GTH644/844, GTH1056, S100/105	128TA3015
	12	DC	40/30	GTH6622, GTH3007, GTH2506, GTH2306, SX180, GTH1056, S40/45	124TA4685
	12	DC	70	Z45/22MP, Z60/34, S60	131TA2657
	24	DC	20/10	GS2046/2646/32, Z34/22 BI-ENERGY, Z34/22 BI-ENERGY POWER, GS1530/1930, GS2669/3369/4069DC	165TA2594
	24	DC	20/15	GS1530/3246, TZ34/20, TZ50, QS12,15,20(R)(W)	131TA2656
General purpose and power					
	12	DC	10	Z45/22MP, Z45/22, Z60/34, S60, Z60/34	128TA3016
	24	DC	10	GR8/12/15, V4M, GS3384, Z30/20	128TA3018
	12	DC	10	Z45/22MP, Z45/22, Z60/34, S60, Z60/34	128TA3014
	24	DC	10	Z30/20N, Z34/22N, Z34/22DC, Z34/22 BI-ENERGY, Z30/20N	128TA3017

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	**160TA7902**
	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	**161TA1475**
	24	140	4200	2,2	CW	GR-20J	**160TA7974**
	24	180	3040	3,3	CW	TZ-50, GR-8, GR-12, GRC-12, QS-12R	**160TA9756**
	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	**161TA1807**
	24	82	2727	1,25	CW & CCW	Z-34/22 BI-ENERGY, Z-34/22N, Z-45/25 BI-ENERGY, Z34/22 DC	**161TA4775**

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	128TA2931
	48	80	1800		CCW	Z-25/8, GS-2668 DC, GS-2668DC	160TA9275
	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	164TA1124
	12–24		3040	3,3		GS1530 to GS4047, TMZ, TZ	128TA2934

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

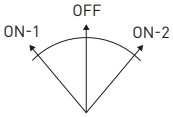


Used on S-60/S-65, S-60, S-4/S-45, S-60/S-65(HC) TRAX, S-80/S-85, Z-30/20N, Z-45/22MP, Z-60/34, Z-45/25IC_Z-45/25J IC, Z-51/30J, Z-34/22(N/DC/ BI-ENERGY, Z-51/30J, Z-45/25_Z-45/25J, Z-34/22IC

REF 127TA2765

IGNITION SWITCHES



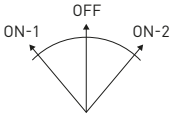


- Number of connections: 6
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 54 mm

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

REF 128TA3048



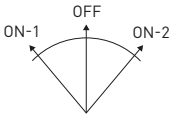


- Number of connections: 6
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 54 mm

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



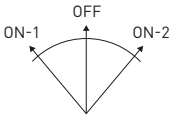


- Number of connections: 6
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 55 mm

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-45/25IC 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





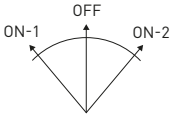
- Number of connections: 6
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 55 mm

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



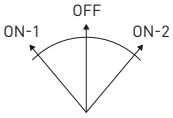


- Number of connections: 6
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 54 mm
- 5 x NC contact

Used on Z80/60, Z135/70

REF 165TA3879



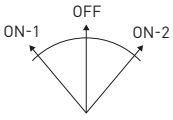


- Number of connections: 6
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 72,5 mm
- 3 x NO contact

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

REF 160TA9246



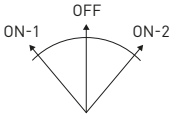


- Number of connections: 8
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 99 mm
- 4 x NO contact

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

REF 141TA2579





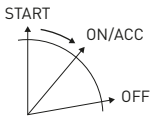
- Number of connections: 8
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 90 mm
- 2 x NO contact
- 2 x NC contact

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

REF 110TA3210



- Key number: 455
- Set of 10 keys

REF 127TA2701



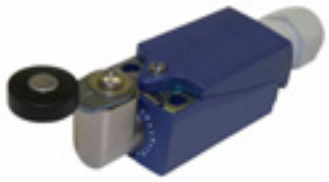
Key number: 3000

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	146TA5936
	1	1	3	CWP SUPER SERIES, IWP SUPER SERIES	147TA5310
	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	147TA2103
	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	147TA2168

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	**161TA1995**
	0	1	3	Z-30/20N, Z-34/22N, Z34/22 DC, Z-34/22 IC	**147TA2129**
	0	2	1,5	TZ-50, TZ-34/20	**147TA5617**
	0	2	10	S-120, S-100, S-3800	**147TA5373**
	0	2	10	S-100, S-120, S-3800	**146TA5719**
	0	2	10	S-120, S-100	**147TA5372**
	0	2	10	S-120, S-100, S-3800	**147TA2112**
	1	0	3	GS-1530, GS-2032, GS-4047, GS-2646 AV	**147TA5391**
	1	1	1,5	HT2,5EL/1100-1200	**147TA5269**

LIMIT SWITCHES

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

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	139TA5081
	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	146TA9812
	1	1	3	TZ-50, TZ-34/20	139TA5080
	1	1	3	S-60, S-40, S-80	147TA1714
	1	1	3	Z-80/60	151TA1431
	1	1	3	Z-60/34	147TA2136
	1	1	10	GS-3390	147TA2126
	2	0	3	Z-135/70, ZX-135/70	160TA6165
	2	0	3	Z-135/70, ZX-135/70	147TA5419

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	**128TA3033**
	1	1	3	Z45/22, Z34/22 IC POWER, Z30/20N, Z45/22, TMZ50/30, Z45/25(J/DC/BI-ENERGY), S40/45	**128TA3028**
	1	1	3	TMZ50/30, GS1530/1930, GS2032, GS3384, GS4390/5390	**128TA3030**

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	160TA9995
	1/4" NPT	2 x nut	NC	0,8	84	S40/45, S60/65(X)(XC) (HC)(TRAX), S80/85, GS2668/3268RT	128TA3255
	7/16" UNF	1 x loose connector	Change over	206,8	95,5	GS-30, GS-1530	161TA1814
	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	161TA1556
	7/16" UNF	1 x loose connector	Multiple, different or with signal	345	51,7	GS-2669 DC, GS-1530, GS-2032	161TA1381
	7/16" UNF	3 x loose connector	Change over	201 bar/ settable 12,4–220,6 bar	95	GS-30, GS-1530	161TA1024
	7/16" UNF	3 x wires	Change over	205	95	GS-30, GS-1530	161TA1826
	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	126TA5405

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	161TA1116
	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	161TA1425
	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	139TA1839

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	147TA2081
	(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	106TA1443
	(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	126TA5385

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	**123TA7602**
	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	**146TA1783**
	(On)–off–(on)	3	250	10	SX180, S40/45, GS2669/3369/4069DC, S60/65(X)(XC)(HC)(TRAX)	**139TA1770**
	On–none–off	4	250	15	V-2470, V-1832, Z-45/22, Z-30/20, Z-30/20HD, V-4M, Z-45/22DC	**146TA5676**
	(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	**147TA2080**
	On–off–on	6	250	10	S-40, S-80, Z-34/22 IC, Z-45/25J, Z-60/34, Z-45/25	**161TA1547**
	(On)–off–(on)	6	277	10	S60/65(X)(XC)(HC)(TRAX), Z45/25IC-Z45/25J IC, S51/30J, S60/65(HC)TRAX	**127TA2721**

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	147TA2079
	On–none–(on)	6	250	12	S60/65(X)(XC)(HC)(TRAX), Z45/25IC-Z45/25J IC, S51/30J	128TA3038
	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	147TA2082
	(On)–off–(on)	6	277	15	V2470/2470RT, Z45/22, Z34/22 IC POWER, Z60/34	128TA3039

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	139TA5225
	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	160TA7072
	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	128TA3257
	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	160TA9502

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	161TA2024
	14	100	1° per 5 mm	Level bubble	No voltage required	138TA7070
	115	97	2,5–4°	Normally open	7–48 DC	161TA2000
	115	96,5	4,5° 1,5 sec delay	Normally open	7–48 DC	161TA2116
	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	139TA1860
	105	90	1,5°/3° 1,5 sec delay	Normally closed	7–48 DC	139TA1756
	115	89	2°/4° 1,5 sec delay	Normally closed	7–48 DC	128TA2993
	115	89	4,5° 1,5 sec delay	Normally open	7–48 DC	128TA2996
	115	89	2°/3° 1,5 sec delay	Normally closed	7–48 DC	128TA2995

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

CURTIS



- 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



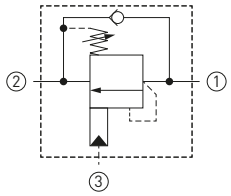
- Volume: 0,74 l
- Permissible operating pressure: 260 bar
- Oil port: 5/16"
- Precharge pressure: 12,4 bar

Used on GS1530 to GS 4047

REF 128TA3222

CARTRIDGE VALVES



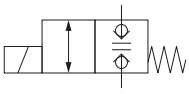


- Width across flats: 22 mm
- Length: 86,5 mm
- Diameter nose: 19 mm

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



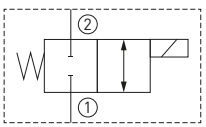


- Width across flats: 22 mm
- Length: 98,5 mm
- Diameter nose: 12,7 mm

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



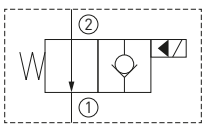


- Width across flats: 22,2 mm
- Length: 90,9 mm
- Diameter nose: 12,8 mm

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





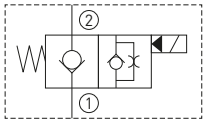
- Width across flats: 22,4 mm
- Length: 103,9 mm
- Diameter nose: 13 mm

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



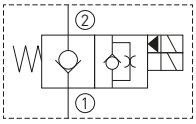


- Width across flats: 22,4 mm
- Length: 110,2 mm
- Diameter: 10,9 mm

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



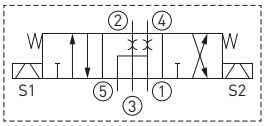


- Width across flats: 22,4 mm
- Length: 110,2 mm
- Diameter nose: 10,9 mm

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

REF 160TA8335



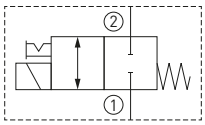


- Width across flats: 25,4 mm
- Length: 224,3 mm
- Diameter nose: 15,9 mm

Used on GS-30

REF 161TA1762



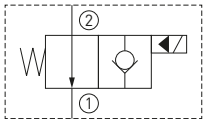


- Width across flats: 25,4 mm
- Length: 110,5 mm
- Diameter nose: 16 mm

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



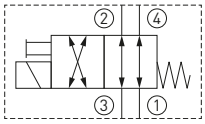


- Width across flats: 25,4 mm
- Length: 122,2 mm
- Diameter nose: 15,8 mm

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

REF 160TA6370



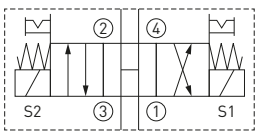


- Width across flats: 25,4 mm
- Length: 122,45 mm
- Diameter nose: 16 mm

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



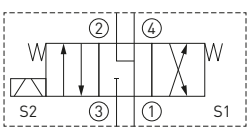


- Width across flats: 25,4 mm
- Length: 208,2 mm
- Diameter nose: 15,9 mm

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





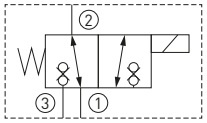
- Width across flats: 25,4 mm
- Length: 208,6 mm
- Diameter nose:15,9 mm

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

REF 126TA5608

CARTRIDGE VALVES



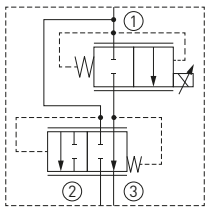


- Width across flats: 31,8 mm
- Length: 130,2 mm
- Diameter nose:16 mm

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

REF 160TA9871



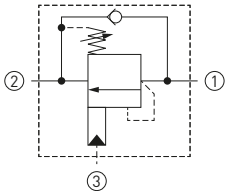


- Width across flats: 31,8 mm
- Length: 156,2 mm
- Diameter nose: 20,4 mm

Used on GS-3390, GS-3384, GS-84

REF 161TA1080



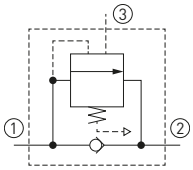


- Width across flats: 22,2 mm
- Length: 85 mm
- Diameter nose: 19 mm

Used on Z-45/25IC 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



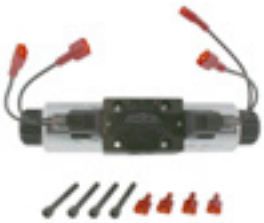


- Width across flats: 22,2 mm
- Length: 105 mm
- Diameter nose: 15 mm

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-45/25IC 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-45/25IC 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-45/25IC 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-45/25IC 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-34/22IC, 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-45/25IC from serial n° 9996 to 99999, S-80, S-40, Z-40/23N, Z-34/22IC, 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-45/25IC 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-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-45/25IC from serial n° 9996 to 99999, Z-45/22, Z-80/60, Z-135/70, Z-45/25, Z-45/22IC, ZX-135/70

REF 160TA9348



- Relief valve 3200 psi
- Thread: 3/4" UNF
- Length: 84,9 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

REF 160TA9539



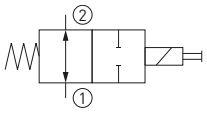
- Relief valve 3700 psi
- Thread: 3/4" UNF
- Length: 84,7 mm

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



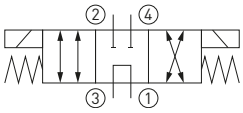


- Voltage: 10 VDC
- Thread: 3/4" UNF
- Diameter nose: 12,7 mm

Used on Z-60/34, S-40, S-80

REF 160TA9366



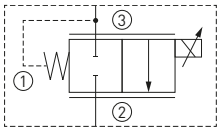


- Voltage: 24 VDC
- Thread: 3/4" UNF
- Diameter nose: 12,7 – 14,2 – 15,75 mm

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

REF 160TA7912





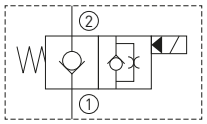
- Voltage: 24 VDC
- Thread: 7/8" UNF
- Diameter nose: 16 mm

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

REF 160TA8656

CARTRIDGES WITH COIL



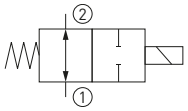


- Voltage 20 V
- AC/DC: DC
- Resistance: 25,4 Ω
- Diameter 1: 33,5 mm
- Diameter 2: 13 mm
- Length: 50,8 mm

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

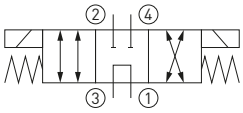


- Voltage:12 V
- AC/DC: DC
- Resistance: 5,4 Ω
- Diameter 1: 45 mm
- Diameter 2: 22 mm
- Length: 165 mm

Used on Z-135/70, ZX-135/70

REF 160TA9372





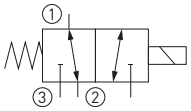
- Voltage: 20 V
- AC/DC: DC
- Resistance: 23,8 Ω
- Diameter: 13 mm
- Length: 144 mm

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-45/25IC 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

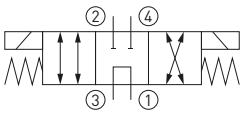


- Voltage: 12 V
- AC/DC: DC
- Resistance: 5,4 Ω
- Diameter 1: 45 mm
- Diameter 2: 22 mm
- Length: 165 mm

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-45/25IC from serial n° 9996 to 99999, Z-45/25

REF 161TA1424

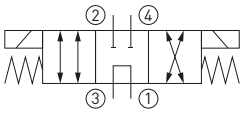


- Voltage: 12 V
- AC/DC: DC
- Resistance: 5,4 Ω
- Diameter 1: 45 mm
- Diameter 2: 22 mm
- Length: 146,5 mm

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

REF 161TA1426



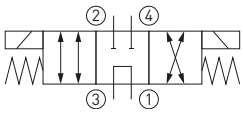


- Voltage: 10 V
- AC/DC: DC
- Resistance: 6,3 Ω
- Diameter: 12,8 mm
- Length: 144 mm

Used on Z-80/60, Z-60/34, S-80, Z-45/25IC 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-34/22IC, Z-45/25IC 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	**161TA1334**
	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	**161TA2068**
	10	DC	6,3	52	16	Z-80/60, S-80, S-60, S-40, Z-135/70, Z-60/34, S-80X	**161TA1802**
	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	**131TA8098**
	10	DC	6,6	41	13,5	S-40, Z-60/34, S-80, S-60, Z-45/22, Z-45/22IC, GTH-644	**161TA2066**
	10	DC	6,8	36,3	36,2	S-100, S-120, Z-60/34, Z-80/60, SX-180	**161TA4661**
	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	**161TA1719**
	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	**131TA8291**
	12	DC	7,3	51,5	44	GS-2668 DC, GS-2668 RT, GS-3390, GS-3384, GS-2668DC, GS-2668RT	**160TA8540**

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	131TA8398
	12	DC	7,7	51	43,6	S-100, S-120, S-3800	126TA4792
	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	131TA8400
	12	DC	9,2	37,4	13,5	GS-2668 RT, GS-2668RT, GS-2668	160TA6756
	20	DC	19,4	51	43,6	GS-2046, GS-2032, GS-1530 from serial n° 00001 to 75999	131TA8239
	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	131TA8381
	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	161TA1833
	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	161TA2013

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

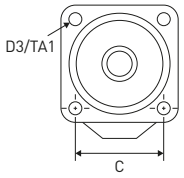
HYDRAULIC MOTORS

Type of flange

Type A



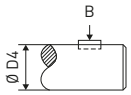
Type C



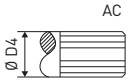
Type S
Special shape, none of the previous types

Type of shaft

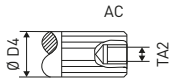
Type A



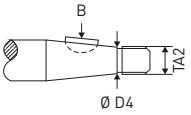
Type B



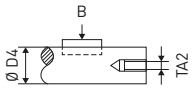
Type C



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	**161TA1680**
	9/16" UNF	C	A	305	GS2668/3268RT	**161TA1875**
	7/16" UNF	C	E	335	GS2668/3268RT	**161TA1516**
	9/16" UNF	C	E	291	GS-4047	**160TA7889**
	7/16" UNF	C	E	325	GS2668/3268DC, GS2668/3268RT	**128TA3138**

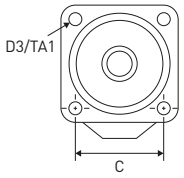
HYDRAULIC MOTORS

Type of flange

Type A



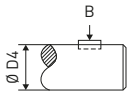
Type C



Type S
Special shape, none of the previous types

Type of shaft

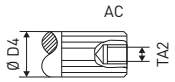
Type A



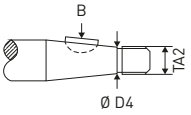
Type B



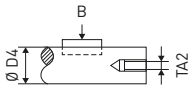
Type C



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	**160TA6698**
	7/8" UNF	C	E	285	GS-2032, GS-2046	**131TA9504**
	9/16" UNF + 9/16" UNF	S	E	285	GS-30, GS-1530 from serial n° 00001 to 75999, GS-2032, GS-2046	**161TA1951**
	9/16" UNF	C	E	276	GS-1530 from serial n° 00001 to 75999	**160TA7811**
	9/16" UNF	C	E	297	GS2668/3268DC, GS2668/3268RT	**131TA6872**

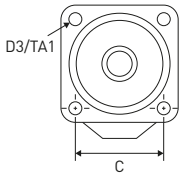
HYDRAULIC MOTORS

Type of flange

Type A



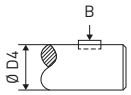
Type C



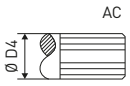
Type S
Special shape, none of the previous types

Type of shaft

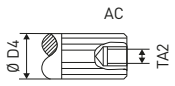
Type A



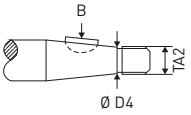
Type B



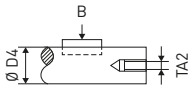
Type C



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	160TA9028
	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	131TA6880
	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)	161TA5030
	7/8" UNF	A	F	207	Z-60/34, S-40	161TA1001

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-45/25IC from serial n° 9996 to 99999, Z-45/25, Z-45/22IC

REF 161TA1484



- Total length: 138 mm
- Neck diameter: 82,5 mm
- Direction of rotation: CW
- Material of housing: aluminium

Used on Z-45/25IC 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: 82,55 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	160TA6129
	79,0	44,5	4	S-80, S-40, S-60, Z-80/60	160TA6631
	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	160TA3991
	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	152TA3228
	95,5	53,5	3	S-80, S-120, S-100, Z-80/60	106TA6420
	128,5	72,5	2	S80/85, S60/65, S40/45, S60, S40, Z60/34	151TA2354

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

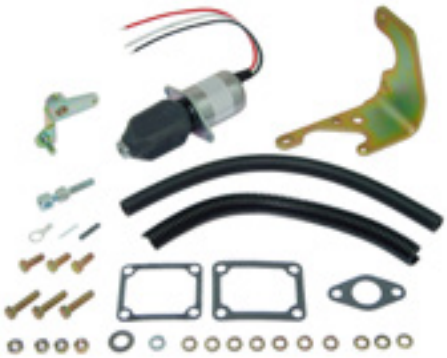
MOTOR – COIL ENGINE STOPS

	Voltage V	Type of current	Function	Mounting side	Length mm	REF
	12	DC	Pull	Both sides	59,7	151TA2362
	12	DC	Push	Both sides	68,5	128TA3245
	12	DC	Push	Both sides	68,5	151TA2997
	12	DC	Pull	Both sides	71,0	128TA3249
	12	DC	Pull	Both sides	71,0	128TA3248
	12	DC	Pull	Without	88,0	160TA6736

MOTOR – COIL ENGINE STOPS

	Voltage V	Type of current	Function	Mounting side	Length mm	REF
	12	DC	Pull	Left side	97,0	161TA1510
	12	DC	Pull	Both sides	153,3	122TA7877
	12	DC	Pull	Both sides	159,5	139TA5150
	12	DC	Pull	Both sides	161,0	122TA7878
	12	DC	Pull	Both sides	162,0	135TA2505
	12	DC	Pull	Both sides	162,0	161TA2029
	12	DC	Pull	Both sides	162,5	161TA1774
	12	DC	Pull	Both sides	196,0	128TA3247
	12	DC	Pull	Both sides	196,0	122TA7879

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



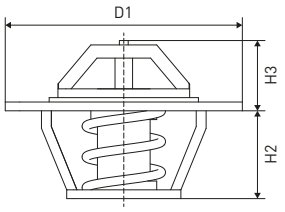
- 14 psi
- Length: 49 mm
- Width: 15 mm
- Height: 29,5 mm

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



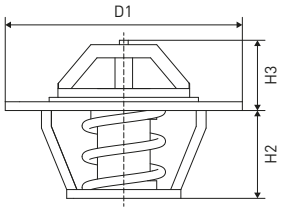


- Outer diameter (D1): 43,6 mm
- Height engine side (H2): 19,4 mm
- Height radiator side (H3): 18 mm
- Opening temperature: 71 °C

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	**160TA6084**
	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	**160TA8979**
	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	**160TA8233**
	Water hose	2	64	26	GS-2668 RT, GS-2668RT, GS-2668	**160TA6732**
	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	**160TA9486**

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



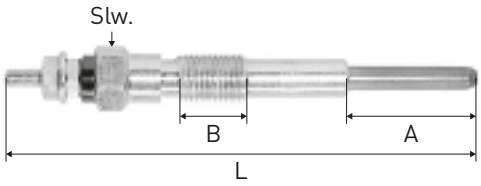
- Number of ground electrodes: 1
- Thread: M14
- Pitch: 1,25 mm
- Length: 76 mm
- RH/LH thread: RH

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



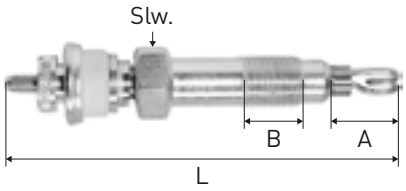


- Type: sheated glow plug
- Voltage: 11 V
- Thread (Slw): M8
- Total length: 76 mm
- Length A: 19 mm
- Length B: 12 mm

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



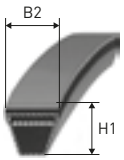
- Voltage: 12 V
- Power: 3,2 kW
- Number of teeth: 11

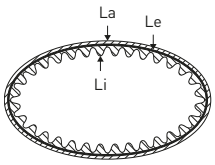
Used on S40/45, GS3384, GS3390/4390/53, Z60/34, Z51/30J, Z45/25(IC POWER), Z45/22, Z45/25Z-Z45/25J

REF 144TA9229

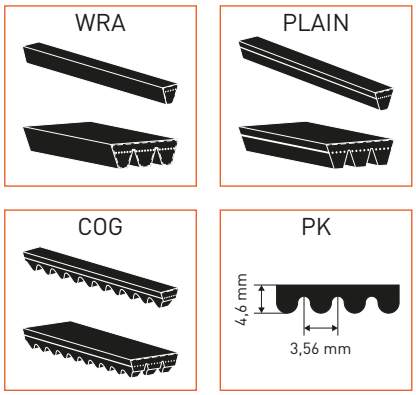
V-BELTS







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	128TA3241
850	795	8,7	9	COG	Z45/25(J/DC/BI-ENERGY), Z45/25(J)	128TA3243
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	106TA9056
890	850	9	13	COG	S-100, S-60, S-120, Z-135/70, ZX-135/70	106TA9082
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	106TA9059
1020	971	8,7	13,3	COG	Z-60/34, S-40, S-60, Z-45/25	106TA9087
1065	1022	8	13,3	PLAIN	Z-45/22, Z-45/22IC	160TA7031
1100	1087	7,5	9,4	WRA	S-80, S-120, S-100, Z-80/60	106TA9065
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	106TA9066
1150	1100	8,1	10,2	COG	S-80, S-120, S-100, Z-80/60, Z-135/70	106TA9067
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	161TA1473
1070		4,25	21,45	PK	S40/45, S60/65 (HC)TRAX, S60/65, GS3390/4390/53, GS3384, Z60/34, Z45/25(IC POWER)	128TA3244

FILTERS

	Outer diameter mm	Inner diameter mm	Height mm	Used on	REF
Air filters					
	170	60,7	400	S40/45, S60, S60/65, S80/85, Z45/22, Z45/25(IC POWER), Z45/25-Z45/25J IC POWER	**139TA1706**
	121	77,0	324	GTH5519/5519S, GTH2506, GTH3007/ AGRI730, GTH2506/AGRI625, GTH2506 AU2	**138TA7351**
	164	86,0	210	Z60/34, S60, GS3384, GS3390/4390/53, Z60/34, Z45/22, GS3384	**165TA3881**
	104	63,0	264	GS2668/3268RT, Z45/22MP, Z34/22IC, Z45/22, Z34/22IC POWER	**127TA1048**
Oil filters					
	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	**139TA7866**
	68,5	18,5	85	GS2669/3369/4069R, GS2668/3268RT, Z34/22IC, Z34/22IC POWER, Z34IC	**164TA1069**
	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	**127TA2848**
	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)	**127TA1930**
	44,5	24,0	202	S40/45, S60/65, S80/85, S60, Z60/34, Z34/22IC, Z45/25(IC POWER)	**165TA3882**

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)	165TA3883
	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	127TA1953
	95,0	93,0	186	TMZ50/30, GS2032/2632, GS1530/1930, GS2046/2646/32, GS2032, Z25/8-Z20/8(N)	165TA3884
	100	71,0	286	S60/65(X)(XC)(HC)(TRAX), S80X/S80/S85Z51/30J, Z45/25(J), Z45/25IC-Z45/25J IC	165TA3885
	249	89,5	76	SX135XC, SX105/125XC, S40, S80/85, Z45/22, Z34/22IC POWER	127TA1931
Fuel filters					
	51,0	77,5	16,5	SG2669/3369/4069R, S40/45, S80/85, GS2668/3268RT, Z34/2IC, Z80/60	165TA3886
	79,0	14,5	164	GTH5519(S), GTH4010, GTH6622, GTH3007/AGRI730, GTH2056/AGRI625, GTH3007	165TA3887
	77,0	16,5	60	GS2269/3369/4069R, GS2668/3268RT, S60/65, A34/22IC POWER, Z34/22IC	165TA3888
	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	138TA7352

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

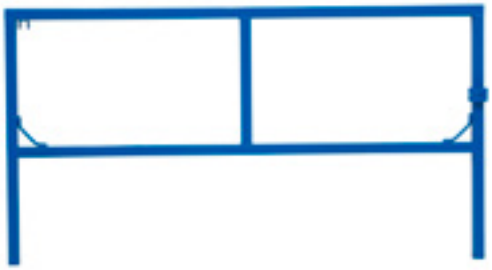
REF 161TA1561



- 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

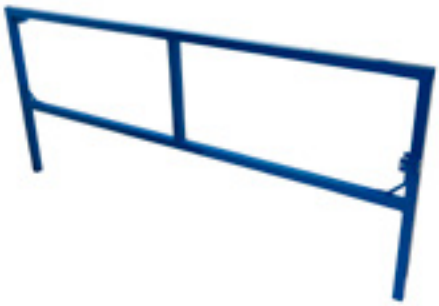
REF 160TA9876



- 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

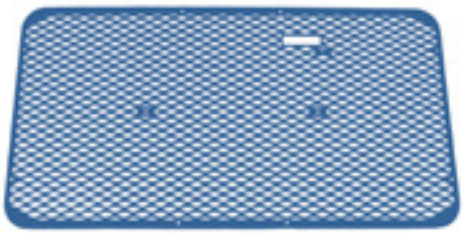


- Length: 2200 mm
- Height: 150 mm

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

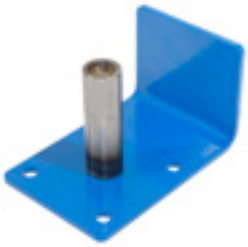
REF 161TA2023



- 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	**160TA9845**
	2	Metal	GS-2032, GS-2046, GS-1530 from serial n° 00001 to 75999	**127TA2759**
	5	Metal	GS-30, GS-1530 from serial n° 00001 to 75999, GS-2032, GS-2046, GS-4047	**160TA9026**
	5	Metal	GS-30, GS-1530 from serial n° 00001 to 75999, GS-2032, GS-2046	**160TA5704**
	6	Metal	GS-30, GS-1530 from serial n° 00001 to 75999, GS-2032, GS-4047, GS-2646 AV	**160TA7687**
	6	Metal	GS2032/3246, GS1530/3246, GS30/32/46, GS4047	**161TA4006**
	7	Metal	GS-3390, GS-2668 RT, GS-3384, GS-84, GS-2669BE, GS-2668RT, GS-2669DC, GS-2668	**160TA9562**

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

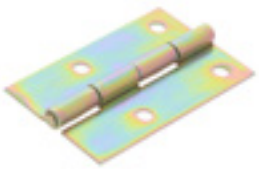
HINGES



- 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

KNOBS



- 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

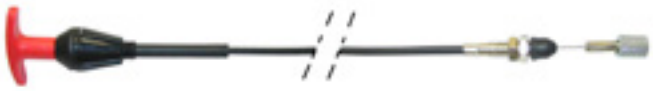
Used on S-40, Z-34/22IC, Z-45/25IC from serial n° 9996 to 99999, GS-3390, GS-3384, Z-51/30J, GS-84, Z-34/22 IC, Z-45/25, Z-45/22 MP

REF 161TA1299

STEEL CABLES

	Total length mm	Diameter mm	Used on	REF
	10 890	10	S-100, S-120, S-3800	**160TA9071**
	1430	3,1	GR-12, QS-12R	**161TA1156**
	7900	3,97	GENIE LIFT, LIFT, GL-4, GS-2668 RT	**160TA9205**
	12 800	5,55	SUPERLIFT ADVANTAGE	**128TA3332**
	16 993	5,55	SUPERLIFT ADVANTAGE, SUPER TOWER	**128TA3337**
	20 650	5,55	SUPERLIFT ADVANTAGE, SUPER TOWER	**128TA3334**
	19 202	4,76	SUPERLIFT CONTRACTOR, SUPER TOWER	**128TA3336**
	9150	5,55	SUPERLIFT ADVANTAGE, MIX N MATCH	**128TA3342**

CONTROL CABLE



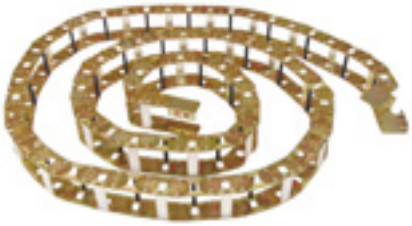
- Total length: 3250 mm
- Diameter: 1,50 mm

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	127TA2444
	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	160TA9320
	131 x 76,4	116 x 47	Steel	S-80, S-60, Z-80/60, Z-135/70, ZX-135/70	161TA1813
	113 x 51	103 x 35	Steel	S-40	161TA1005
	115 x 26,5	102,5 x 26,5	Plastic	Z-34/22 IC, Z-30/20N, Z-34/22N	160TA8533
	116 x 35	102,5 x 26,5	Plastic	Z-51/30J	160TA9745
	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	161TA1530

CABLE TRACKS

	Outside dimensions mm	Inside dimensions mm	Material	Used on	REF
	117 x 35	102 x 27	Plastic	Z-60/34	**160TA9595**
	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	**160TA8506**
	134 x 76,5	110 x 45,5	Plastic	S-80	**160TA8843**
	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	**161TA1050**
	116 x 35	102,5 x 26,5	Plastic	Z45/25IC-Z45/25J IC, Z51/30J, Z60/34, Z34/22N-Z34/22DC	**127TA2446**

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	161TA1648
	134	Plastic	GS-3390, GS-3384	161TA5446
	140	Plastic	GS-2668 DC, GS-2668 RT, GS-2668DC, GS-2668RT, GS-2668	160TA9558
	168	Plastic/steel	Z-80/60, Z-135/70, ZX-135/70	160TA9588

WEAR PADS

	Length mm	Material	Used on	REF
	178	Plastic/steel	S-120, S-100, S-3800	160TA9001
	178	Plastic/steel	S-120, S-100, Z-80/60, Z-135/70, S-3800, ZX-135/70	161TA1382
	64	Plastic	S-40, S-60, S-80	160TA7892
	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	161TA2062
	83	Plastic	GS-30, GS-1530 from serial n° 00001 to 75999	160TA9855
	83	Plastic	GS-30, GS-1530 from serial n° 00001 to 75999, GS-2646, GS-2032, GS-2046, GS-4047, GS-2646 AV	161TA1887
	127,8	Plastic	S40/45, S80/85, S60/65(X)(XC)(HC) (TRAX), Z51/30J, Z60/34, Z45/25(J), ZX135/70	127TA2762
	126,7	Plastic	S40/45, S80/85, S60/65(X)(XC)(HC) (TRAX), Z51/30J, Z60/34, Z45/25(J), ZX135/70	127TA2730

PROTECTIVE COVERS



- Width: 605 mm
- Height: 1118 mm

Used on Z30/20N, Z34/22(N/DC/BI-ENERGY), Z30/20N(RJ)

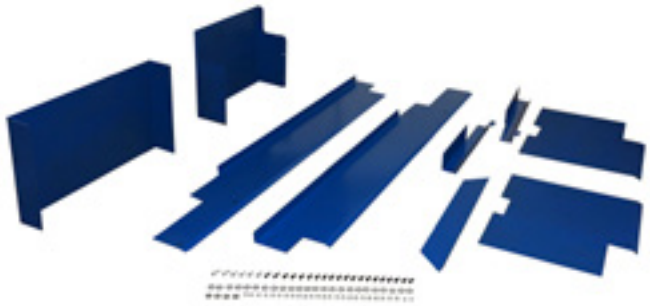
REF 128TA3424



- 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
Push type				
	180	255	GRC-12, GR-12, QS-12R	**161TA1521**
	–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	**161TA1855**
	–1	715	Z-60/34	**161TA1622**
	108	310	GR-12, GR-8, CWP SUPER SERIES, AWP SUPER SERIES, IWP SUPER SERIES	**145TA8896**
	900	485	S-120, S-100, Z-135/70	**160TA9521**
	1200	545	S40/45, S60/65, S60/65(HC)TRAX, S80/85, S80X/85, GS2668/3268DC, GS2668/3268RT, GTH844	**128TA3327**
	1200	545	S40/45, S60/65, S60/65(X)(XC) (HC)TRAX, S80/85, S80X/80/85, GS2668/3268DC, GS2668/3268RT, GTH844	**128TA3326**

GAS SPRINGS/SHOCK ABSORBERS

	Force N	Centre distance mm	Used on	REF
	–1	300	GR12/15/20, IWP SUPER SERIES, AWP SUPER SERIES	128TA3328
	–1	900	Z45/22, S40, S40/45, S60	128TA3325
	250	1165	GS2668/3268DC, GS2668/3268RT	128TA3330
	8	360	GS2032/3246, GS1530/1532/1930/1932, GS30/32/46, GS2046/2646/32, GTH844	128TA3324

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

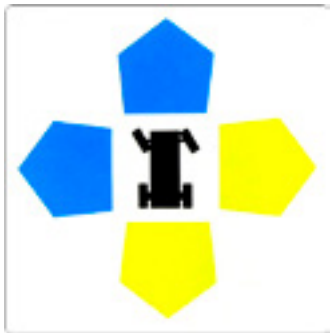
REF 139TA3031



- 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

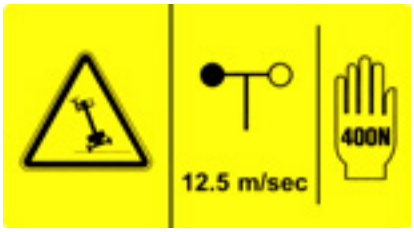
DECALS



- 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

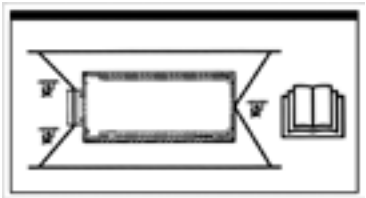
REF 127TA1009



- 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

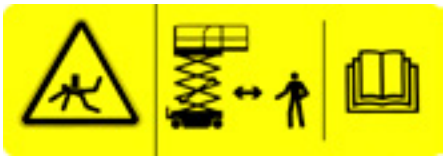
REF 127TA1007



- 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

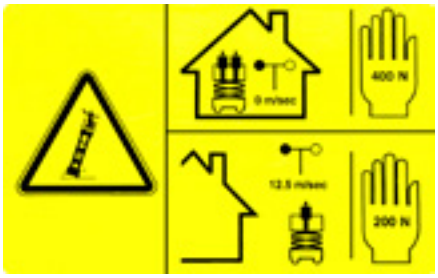
REF 123TA5000 – Yellow
REF 123TA4979 – Blue



- 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

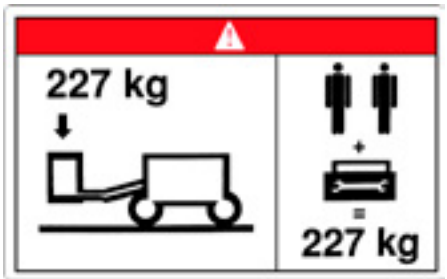
REF 126TA4307



- 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

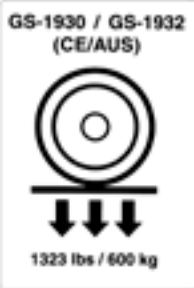
REF 161TA1228



- 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

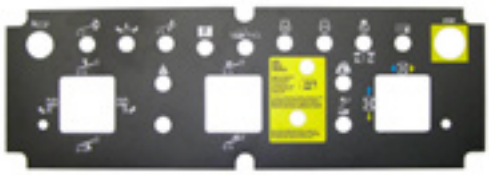


· Length: 100 mm
· Height: 91 mm

Used on GS2269, GS3369, GS4069DC

REF 161TA2921

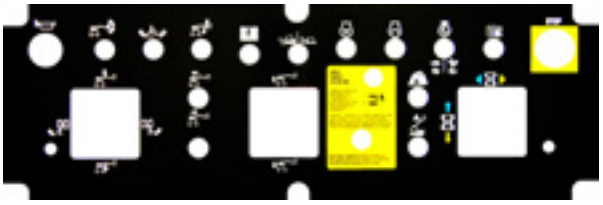
DECALS



· Length: 682 mm
· Height: 225 mm

Used on S-60

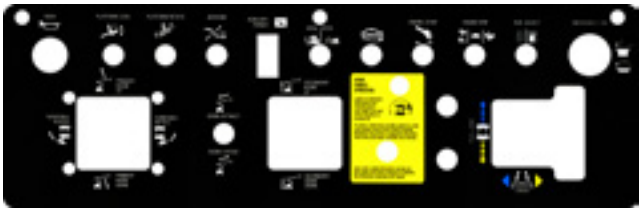
REF 139TA1872



· 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

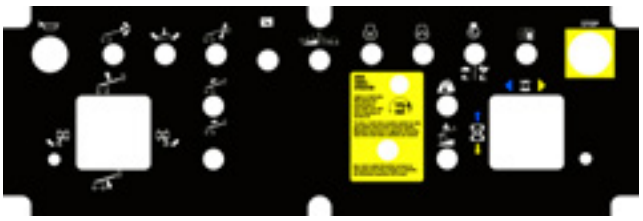
REF 126TA9869



· 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

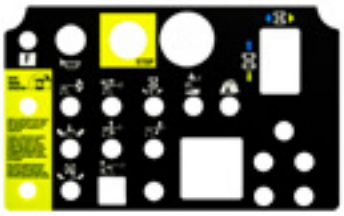
DECALS



- 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

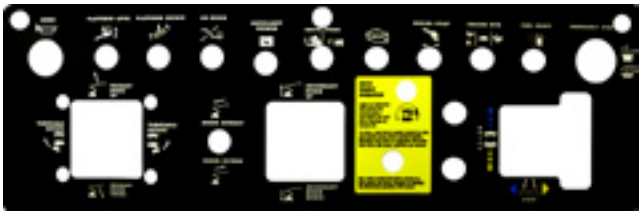
REF 127TA1014



- 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



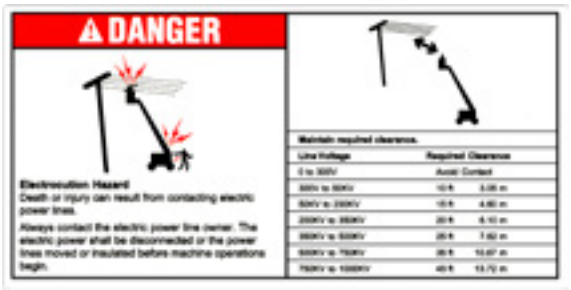
- Length: 203 mm
- Height: 330 mm

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-45/25IC 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-45/25IC 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	**145TA9114**
	381	0	127	32	GS-2046, GS-2032, GS-30, GS-1530 from serial n° 00001 to 75999, GS-4047, GS-2646 AV	**129TA9847**
	406	0	127	33	GR-20J	**160TA5700**
	457	0	152	32,5	Z-25/8	**161TA1174**
	405	4	127	85	GR-20J	**161TA2719**
	559	8	178	153	Z-30/20N	**147TA2976**
	650	9	178	200,5	Z-40/23N, Z-40/23 N	**160TA8007**

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	152TA1854
	Skid steer tubeless pneumatic	12 x 16,5	10PR	GTH-2306, GTH-2506, S-40, GTH-5519, GTH-2506 III A	152TA1871
	Skid steer tubeless pneumatic	14 x 17,5	14PR	Z-45/22, Z-45/25IC from serial n° 9996 to 99999, Z-45/25	152TA1859
	Skid steer tubeless pneumatic	18 x 625	14PR	Z-80/60, S-80X	126TA5934
	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	152TA1860
	Skid steer tubeless pneumatic	385 x 65 x 22,5	16PR	S-80	161TA1355
	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	161TA2113

PNEUMATIC TYRE KITS



- Tyre size: 14 x 17,5
- Radial or diagonal: diagonal

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

REF 160TA6531



- Tyre size: 14 x 17,5
- Radial or diagonal: diagonal

Used on Z-45/25IC 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-45/25IC 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-34/22IC, 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-45/22IC, 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-34/22IC, 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), Z34/22IC, 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	151TA2952
	305	115	32,0	GS1530/1532/1930/1932, GS30/32/46, GS1530/1930	128TA3436
	559	178	53	Z40/23N-Z40/23N RJ, Z34/22(N/DC/BI-ENERGY), Z30/20N, Z30/20N(RJ)	128TA3435
	559	178	200	Z34/22(N/DC/BI-ENERGY), Z30/20N, Z30/20N(RJ)	128TA3434
	254	77	20,8	QS12,15,20(R)(W), GRC12, GR12/15/20	145TA9128
	559	178	200	Z30/20N(RJ), Z34/22N-Z34/22DC, Z34/22-Z34/22N	128TA3433

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	**127TA2702**
	12,6	91	SUPERLIFT ADVANTAGE, SUPER CONTRACTOR, SUPER TOWER	**139TA1752**
	19	108	GS84/90, GS1530/1930, GS3390/5390, GS3384, GS2032/2632	**128TA3274**
	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	**128TA3273**
	38	73	GS84/90, GS3390/5390, GS3384, GS3390/4390/53	**128TA3275**
	19	69	GS1530/1930, GS2046/2646/32	**128TA3281**

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	139TA1888
	31,7	367	S120/125, S40/45, S80/85, Z45/25IC-Z45/25J IC, Z51/30J	128TA3271
	25,3	86	Z34/22(N/DC/BI-ENERGY), Z34/22N(DC), Z45/25(IC POWER), S40/45, Z30/20N	128TA3283
	38	120	S40, S60/65, S80/85	128TA3284
	19	146	SX180, S40/45, S60/65(X)(XC)(HC) (TRAX), S100/105, S120/125, Z60/34, Z34/22(N/DC/BI-ENERGY)	139TA1851
	31,7	178	Z51/30J, Z80/60, Z45/25(J/DC/ BI-ENERGY), Z45/25(J), S60/65, S80/85, S100/105, S120/125	128TA3280

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	128TA3269
	38	108	Z45/25IC/Z45/25J IC, Z51/30J, Z45/25(J/DC/BI-ENERGY), Z45/25(IC POWER)	139TA1880
	38	121	S40/45, S60/65, Z60/34	161TA2001
	38	82	GS84/90,GS3390/5390, GS3390/4390/53, Z30/20N, Z34/22IC, Z34/22N-Z34/22DC	127TA2734
	31,7	70	GS2668/3268DC, GS2668/3268RT, Z80/60	128TA3268



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

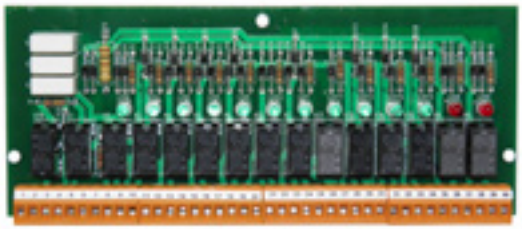


- Voltage: 48 V
- Current: 400 A

Used on Toucan 800A, 910

REF 165TA3895

PRINTED CIRCUIT BOARDS



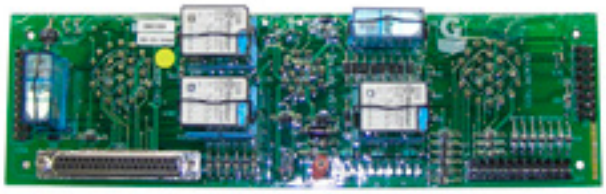
Board relay

Used on AMZ68XT, A45J, MZ72DXTU



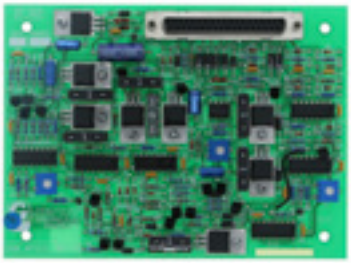
Board-tach

Used on AMZ39NE, AMZ39NEU



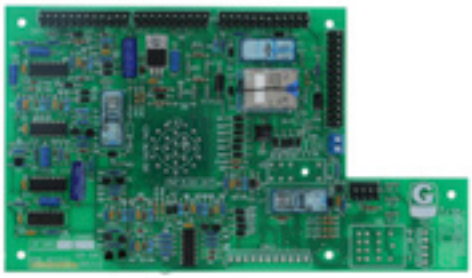
Connectors board

Used on Toucan 910



Delay timer board

Used on Toucan 910

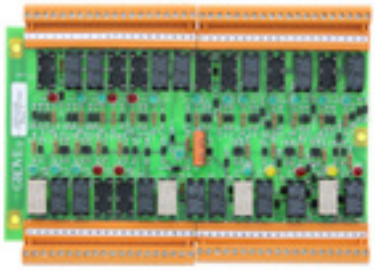


Electronic board



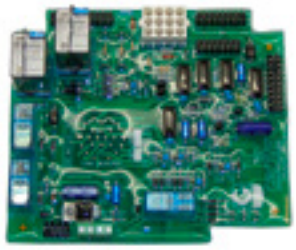
Printed circuit board

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	165TA3896
	24	100	100	No	IPP66	165TA3897
	24	100	100	No	No	139TA5069
	24	150	150	Yes	Yes	165TA3898
	24	150	200	No	No	107TA1281
	24	300	300	No	Enclosed version	125TA4562

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	139TA5037
	24	150	3600	2,94	CW	122TA7771
	24	162	3600	3,07	CCW	150TA9957
	48	82	2650	3,12		150TA9956
	48	94	2850	3,38		150TA9961
	50	133	3300	5,22		150TA9960

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

FRICTION PLATE



- Type of friction plate: different shape
- External diameter: 98 mm
- Internal diameter: 60 mm

Used on AMZ39NE, AMZ39NEU, AMZ739NE

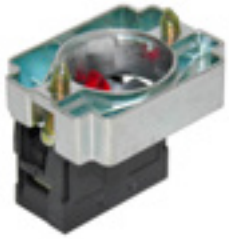
REF 150TA9964

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



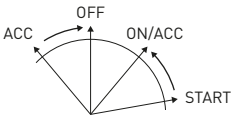
- Voltage: 240 V
- Current: 3 A
- IP66
- Number of NC contats: 2
- Number of NO contacts: 2

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



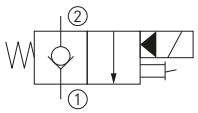
- Witdh across flats: 48 mm
- Length: 126 mm
- 3/8" cartridge holding valve

Used on AMZ66

REF 165TA3914

CARTRIDGE WITH COIL





- Voltage: 12 V
- AC/DC: DC
- Resistance: 8,5 Ω
- 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 Ω
- Diameter: 45,3 mm
- Height: 58 mm

Used on SM4688XT, SM3884XT

REF 131TA8349



- Voltage: 12 V
- AC/DC: DC
- Resistance: 7,8 Ω
- 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 Ω
- Diameter: 16,3 mm
- Height: 44,5 mm

Used on AMZ68XT, AMZ106XT

REF 165TA3915



- Voltage: 24 V
- AC/DC: DC
- Resistance: 21 Ω
- 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

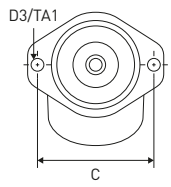
Used on Toucan 910

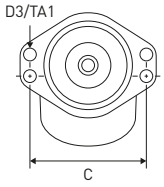
REF 165TA3916

HYDRAULIC MOTORS

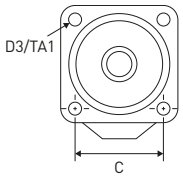
Type of flange

Type A



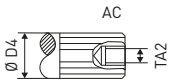


Type C

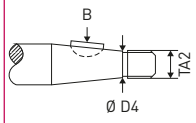


Type of shaft

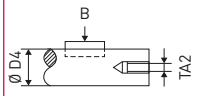
Type C



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	165TA3918
	7/8" UNF x 14 Pi	A	F	223	A45J	151TA1086
	7/8" UNF x 14 Pi	C	E	270	Toucan 1100, 1100C	131TA6886
	5/16" UNC x 20 Pi	A	C	183,7	AMZ68XT, AMZ106XT, AMZ66, T86J, MZ72DXTU	151TA1087

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	**151TA1079**
	24 V	3	Toucan 800, 800A, 1100, 1100C	**139TA5117**
	24 V	3	Toucan 910	**105TA2721**
	24 VDC	0,8	Toucan 800, 800A, 910	**139TA5118**

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



- Outside diameter: 113 mm
- Inner diameter: 28 mm
- Width outer ring: 55,5 mm

Used on Toucan 1100, 1100C

REF 165TA3928



- Outside 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	151TA1011
	152	Bronze	AMZ66	151TA1012
	102	Plastic		151TA1009
	91,8	Plastic	AMZ68XT, AMZ106XT, AMZ66	150TA9999
	153	Plastic	AMZ68XT, MZ72DXTU	150TA9997
	230	Plastic		151TA1000
	263	Plastic		150TA9989

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

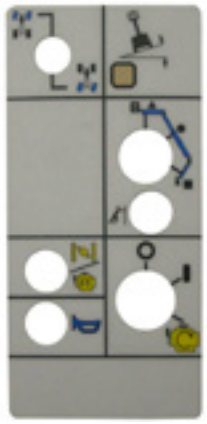


- Length: 393 mm
- Width: 246 mm

Used on Toucan 910

REF 165TA3942

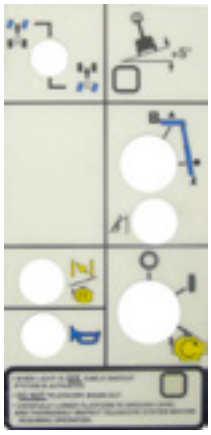
DECALS



· Length: 114 mm
· Height: 238 mm

Used on AMZ68XT, A45J

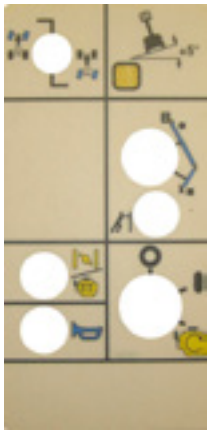
REF 151TA1180



· Length: 115 mm
· Height: 237 mm

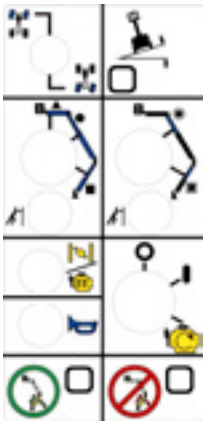
Used on MZ72DXTU

REF 138TA2366



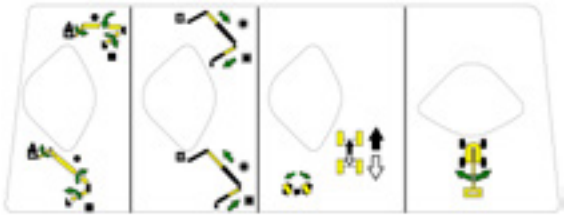
· Length: 115 mm
· Height: 238 mm

REF 138TA3172



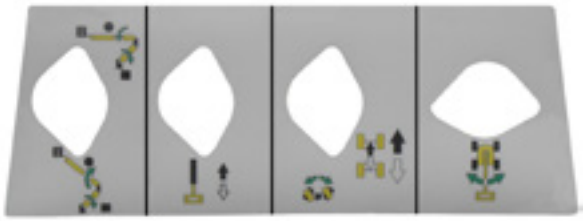
· Length: 117 mm
· Height: 238 mm

REF 151TA1183



· Length: 366 mm
· Height: 136 mm

REF 151TA1184



· Length: 367 mm
· Height: 135 mm

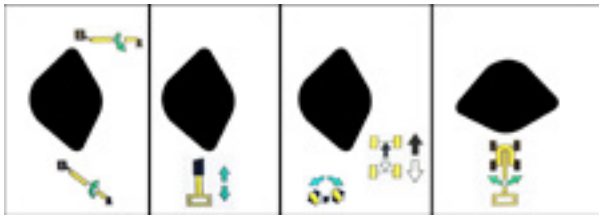
REF 138TA1862



· Length: 367 mm
· Height: 136,5 mm

Used on MZ72DXTU

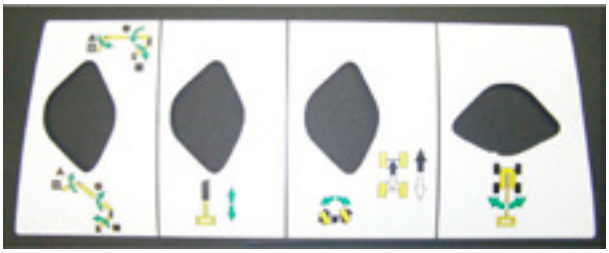
REF 151TA1174



· 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

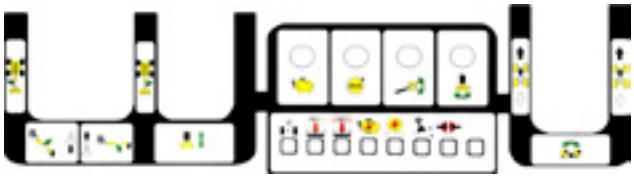
Used on Toucan 800, 800A, 910

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

USED ON GROVE

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	151TA1037
	12	72	No	Toucan 1100, 1100C	150TA9874
	25	120	No	Toucan 800, 800A, 1100, 1100C	165TA3951
	25	252	No	Toucan 1100, 1100C	150TA9870
	25	78	No	Toucan 800, 800A, 1100, 1100C	150TA9873

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

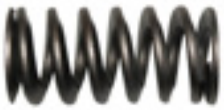
REF 165TA3952



- 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



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, 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, COMPACT10, 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

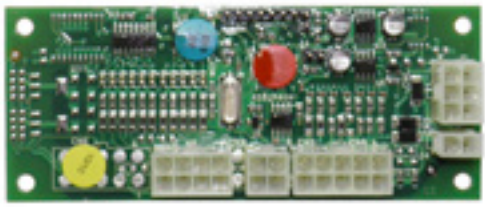
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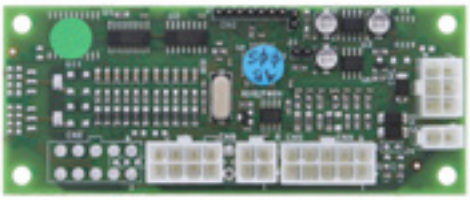
Dimensions: 290 x 140 x 62 mm

REF 160TA2535

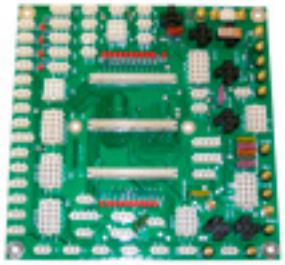
PRINTED CIRCUIT BOARDS



Card

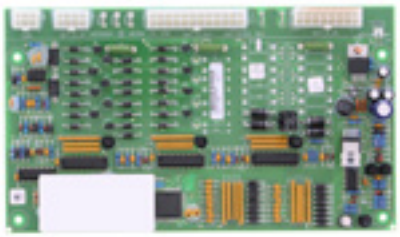


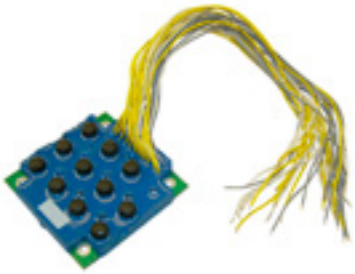
Lower console serial card



Mother board



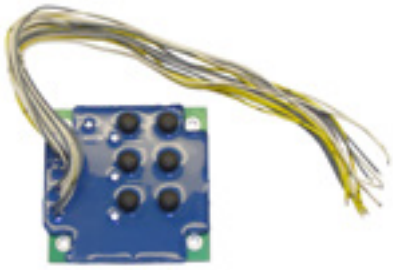




Push button card



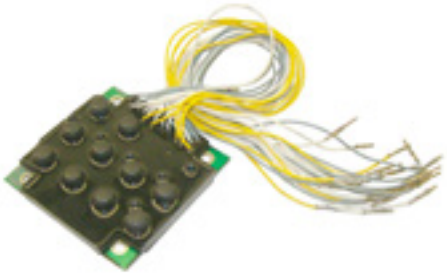
Push button card



Push button card



Push button card



Push button card

PRINTED CIRCUIT BOARDS



Push button card



Switch



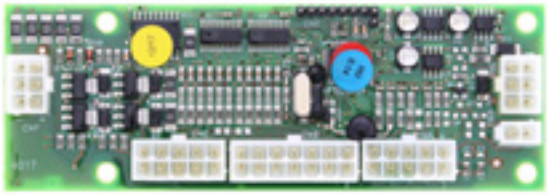
Tachy interface plate



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	**138TA7164**
	57,3	16	18	Red	H12SD, H18DX, H15SD, COMPACT10N, HA20PX, COMPACT12DX	**138TA7157**
	31	21,4	28,5	Red		**138TA7165**
	31	21,4	28,5	Green		**138TA7163**
	53,4	21,6	28,4	Red	STAR10, STAR 8	**138TA7156**
	50	22	30	Red	HA12IP, HA15IP	**138TA7159**
	50	22	30	Red	COMPACT10/12D/3368RT, HA16DX, HA16D, H25TP, H25TPX, H12SD(X/E), H15SD(X/E), H18SDX, COMPACT10DX	**138TA7155**

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	138TA7158
	35	10	12,5	Green	COMPACT10, COMPACT8W, COMPACT8, COMPACT12	160TA3745
	55	22	30	Green	HA16SPX, HA15I, HA15X, HA16PX, HA18PX, HA18PXNT, HA16PXNT, HA16P, HA18P, HA26PX, HA20PX, H16TPX, HA32PX, HA260PX, H21TX, HA16X	138TA7161
	57	16	18	Green	H12SD, H18DX, H15SD, COMPACT8, COMPACT10, COMPACT8W, COMPACT12, COMPACT12DX, COMPACT10N, OPTIMUM8, COMPACT10RTE, OPTIMUM6, COMPACT12EN 280, COMPACT10DX	127TA2392
	49,6	22	30	Green	HA12I, HA15D, H21T, HA16DX, HA20P, H23T, H25TP, H960E, HA16D 4X4, HA16D	138TA7160
	54,5	22	28,4	Yellow	HA12PX, HA32PX, HA260PX, COMPACT10DX, H43TPX, H21TX, HA20PX, HA41PX-NT	160TA3992

USED ON HAULOTTE

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

USED ON HAULOTTE

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

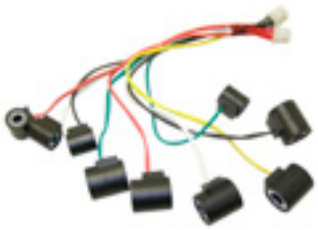


- Length: 51,6 mm
- Diameter: 44 mm

Used on HA12PX, HA18PXNT, HA16PXNT, HA16P, HA18P, HA26PX, HA20PX, H16TPX, HA32PX, HA16SPX, HA16X

REF 138TA7206

CABLE LOOMS

	Cable type mm²	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	**127TA2436**
	< 6	Multiple cables	7100	1	OPTIMUM6	**160TA2339**
	< 6	Multiple cables	8030	1	OPTIMUM8	**160TA3911**
	< 6	Multiple cables	8830	1	COMPACT8	**160TA3967**
	< 6	Multiple cables	13 430	1	COMPACT12, COMPACT12EN 280	**138TA7196**
	< 6	Multiple cables	600	2	COMPACT8W/2047E/12/3, COMPACT8/10N2032E/26, COMPACT10/2747E, COMPACT10, COMPACT14, COMPACT3	**160TA3881**
	< 6	Multiple cables	20 550	2	HA16P	**160TA1240**

CABLE LOOMS

	Cable type mm²	Type of loom	Total length mm	Number of plugs	Used on	REF
	< 6	Multiple cables	32 000	3	HA260PX	**138TA7195**
	< 6	Multiple cables	20 300	4	HA16PX, HA18PX, HA16PXNT, HA16SPX	**160TA3351**
	< 6	Multiple cables	20 870	4	HA18PX, HA16/18PX, HA51SJRT, HA51SJRT, HA46/51J, HA46/51S, HA18PXN, HA51JRT, HA16PX/ HA46JRT	**160TA1808**
	< 6	Multiple cables	5800	5	STAR 8	**160TA1531**
	< 6	Multiple cables	32 000	5	HA260PX	**138TA7194**
	< 6	Multiple cables	5600	6	STAR10	**160TA3342**
	< 6	Multiple cables	19 500	7	HA16PX, HA18PX, HA16SPX, HA18SPX, HA46S, HA51S, HA46J, HA51J, HA16PXNT, HA46JRT	**160TA3215**

CABLE LOOMS

	Cable type mm²	Type of loom	Total length mm	Number of plugs	Used on	REF
	< 6	Multiple cables	20 800	7	HA18PXNT, HA16PX, HA16SPX	**160TA1755**
	< 6	Multiple cables	20 360	11	H12S, H15S, H18S	**138TA7191**
	< 6	Multiple cables	24 300	11	H12S, H15S, H18S	**138TA7197**
	< 6	Multiple cables	27 500	11	H12S, H15S, H18S	**160TA3207**
	< 6	Multiple cables	2370	29	OPTIMUM6, OPTIMUM8	**160TA3324**

ELECTRIC WIRING



- Number of wires: 30
- Colour external wire: black
- Wire section: 1 mm²

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	138TA7079
	12	150	200	Yes		106TA1644
	12	250	400	Yes	HA16P	106TA1721

COMPLETE CONTACTORS

	Voltage V	Maximum current interrupted A	Maximum current uninterrupted A	Magnetic blowouts	Used on	REF
	24	150	150	Yes	HA15IP, HA12IP	138TA7084
	24	150	150	Yes		127TA2435
	24	150	200	Yes	HA15IP, HA12IP	160TA3449
	24	100	100	Yes	HM8, HM10P	127TA2441
	24	100	125	Yes	HM8, HM10P	138TA7080
	24	150	200	Yes		106TA1631
	24	250	400	Yes	H960E	127TA2438
	24	250	400	Yes		138TA7085

COMPLETE CONTACTORS

	Voltage V	Maximum current interrupted A	Maximum current uninterrupted A	Magnetic blowouts	Used on	REF
	48	150	150	Yes		138TA7081
	48	150	150	Yes		138TA7083
	48	150	200	Yes		138TA7082

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	**138TA7091**
	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	**138TA7088**
	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	**127TA2364**
	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	**138TA7089**
	Mini-relay	24	DC	20	HA15DX	**138TA7092**
	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	**138TA7090**

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	**160TA3795**
	Mini-relay	24	DC	40	HA15I, HM10P, HM8	**160TA1543**
	Mini-relay	24	DC	40/30	HA12I, HA15I, HA43E	**138TA7087**

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		160TA3797
	24	1600	3		165TA3957
	24	2600	3		160TA2451
	48				138TA7010
	48	1200	3,7		138TA7009
	24		4,5	CCW	160TA3189
	12		1,5		165TA3958
	12	3000	1,3	CCW	165TA3959

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 l, 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

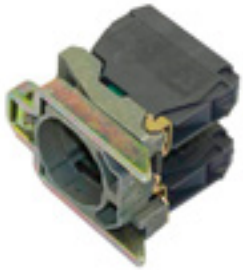
Used on H12SD, H21T, HA20P, HA26P, H18DX, H15SD

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



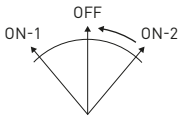
- Number of NC contacts: 0
- Number of NO contacts: 1

Used on COMPACT8, HA15I, HA43E, HA16DX, HA16D, HA12I, HA15I

REF 138TA7102

IGNITION SWITCHES



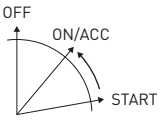


- Number of connections: 6
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 85 mm
- Key: yes

Used on HA15IP, HA12IP

REF 138TA7116



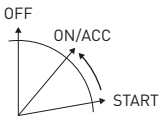


- Number of connections: 8
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 86 mm
- Key: yes

Used on HA20P, HA26P, COMPACT10DX

REF 160TA4045



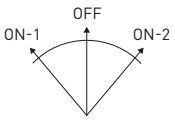


- Number of connections: 8
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 86,5 mm
- Key: yes

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		147TA5544
	0	2	3	HA12I, HA16DX, HA16D 4X4, HA16D, P90	138TA7099
	1	1	1,5	HA12I, HA16DX, HA20P, H960E, HA16D 4X4, HA16D	146TA5939
	1	1	2	H43TPX, HB135JRT, HA41PX/130JRT-NT, HA32PX, HT43RTJPRO, HA100RT, HTL3614-3617-4014-401	163TA8606
	1	1	2	HM8, HA12I, HA15D, HM10P, H21TX, HA20PX, H12SX, HA41PX-NT	138TA7097
	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	127TA2381
	1	1	3	H12SD, H18DX, COMPACT12DX, H12SX, H15SD, COMPACT8DX, COMPACT10DX, H15SX, H18SX	138TA7098
	1	1	2	HA15IP, HA43JE, HA120PX, HA12IP, HA33JE, HA18PX, HA51SJRT, HA16/18SPX, HA46/51S, HA120PX	165TA3961

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 LEO23GT, LEO25GT, 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	138TA7105
	On–none–(on)	6 x blade	250	6	H21T, HA15X, HA16PX, HA18PX, HA18PXNT, HA16PXNT, HA20P, HA26PX, HA20PX, H16TPX, H23T, H25TP, HA32PX, COMPACT10DX, H43TPX, H21TX	138TA7106
	(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	138TA7104
	(On)–off–(on)	3 x blade	250	6	H12SD, HA18PX, HA16PX, HA18PXNT, HA16PXNT, HA20P, HA16P, HA26P, HA20PX, H16TPX, H18DX, COMPACT12DX, H15SD, HA26PX, COMPACT10DX	127TA2406
	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	127TA2398
	(On)–off–(on)	6 x blade	250	20	HA15IP, HA12IP	146TA3723
	(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	165TA3964
	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	164TA1089

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 CONTANTS

	Thread	Connection	Switch mode	Pressure range Bar	Length mm	Used on	REF
	1/4" BSP	Blade connection	Change over	159,2	58,5	COMPACT10DX	138TA7132
	1/4" BSP	Blade connection	Normally closed	198	55	COMPACT8, COMPACT8W, COMPACT12, COMPACT10, COMPACT10RTE, COMPACT10N, OPTIMUM6, OPTIMUM8	138TA7131
	1/4" BSP	Blade connection	Normally open	11	55	H12SD, H18DX, COMPACT12DX, H15SD, COMPACT10DX	138TA7127
	1/4" BSP	Blade connection	Normally open	14,6	55	COMPACT10DX	138TA7126
	1/4" BSP	Fixed connector	Multiple, different or with signal	0–250	63	HA15IP, HA16PX	138TA7128

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	160TA3594
	1/4" BSP	Fixed connector	Multiple, different or with signal	250	77	STAR10, STAR 8	138TA7133
	1/4" BSP	Special	Multiple, different or with signal	250	70,5	HA260PX, COMPACT12EN 280	138TA7129
	M12	Fixed connector	Normally closed	62,9	62,9	H43TPX, HA41PX	160TA4352
	1/4" BSP	Fixed connector	Input, output, signal	0–200	65,35		160TA4628
	1/4" BSP	Blade connection	Change over	130	92	COMPACT12, H960E, HA16D 4X4	138TA7305
	1/8" NPT	Screw	Normally closed	0,7	38	H12SX	160TA2141
	M10	Blade connection	Normally closed	0,5	43,5	HA20PX	126TA5405

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 ± 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 mm	Diameter mm	Switch type	Voltage VDC	Detection	Used on	REF
	113	96,7	Level sensor	7–48	1–10°	HA12IP, HA15IP	**138TA7069**
	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	**127TA2394**
	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	**127TA2424**
	113	96,7	Level sensor	7–48	2°	OPTIMUM8, OPTIMUM6	**160TA3914**
	113	96,7	Level sensor	7–48	2°	COMPACT10/12DX/3368RT, COMPACT8/10N/2032E/26	**138TA7068**
	18,5	100	Level sensor		3°	H12SX, H12SD, H18DX, H15SD, COMPACT8DX, COMPACT10DX, COMPACT12DX, H15SX, H18SX	**138TA7070**
	85	72	Level sensor + tilt detector	9–33	5°/5°	COMPACT10/12/3368, COMPACT10/12DX/3368RT, HTB180, H18SX, HS5388RT, H12SX, HS3388RT, COMPACT8DX/COMPACT2068RT	**138TA7071**

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

USED ON HAULOTTE

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



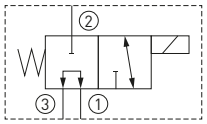
Voltage: 24 VDC

Used on HA16DX, HA16D 4X4, HA16D

REF 138TA7288

CARTRIDGE VALVES



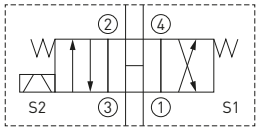


- Width across flats: 25,4 mm
- Length: 117 mm
- Diameter nose: 12,7 mm

Used on COMPACT12, COMPACT8W, COMPACT8, COMPACT10

REF 160TA3298



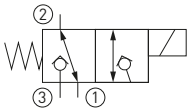


- Width across flats: 25,4 mm
- Length: 175 mm
- Diameter nose:16 mm

Used on COMPACT8W/2047E/12/3, COMPACT8/10N/2032E/26, COMPACT10/2747E, COMPACT10

REF 138TA7298



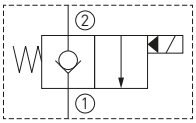


- Width across flats: 24 mm
- Length: 125 mm
- Diameter nose: 19 mm

Used on STAR 8

REF 160TA3128



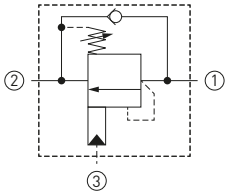


- Width across flats: 22,2 mm
- Length: 106 mm
- Diameter nose: 12,7 mm

Used on COMPACT8, COMPACT8W, COMPACT10, COMPACT10RTE, COMPACT12, COMPACT10N

REF 138TA7295



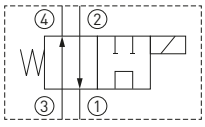


- Width across flats: 22,2 mm
- Length: 86 mm
- Diameter nose: 21,7 mm

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

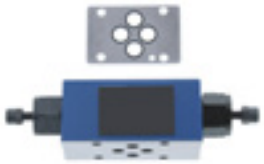
REF 160TA3497



- 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



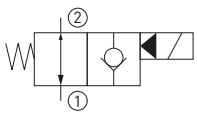
- Thread: 1/2"
- Length: 132 mm

Used on HA32PX, HA41PX-NT

REF 160TA2788

CARTRIDGES WITH COIL



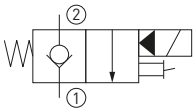


- Voltage: 12 V
- AC/DC: DC
- Resistance: 8,5 Ω
- Diameter1: 12,6 mm
- Diameter2: 12,6 mm
- Length: 91 mm

Used on HA16PXNT, HA18PXNT, H43TPX, HTB180, H21TX, HA16PX, HA16SPX, HA16X, HA20PX, HA41PX-NT

REF 138TA7282



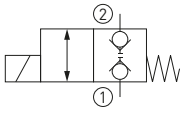


- Voltage: 24 V
- AC/DC: DC
- Resistance: 28,7 Ω
- Diameter1: 12,6 mm
- Diameter2: 12,6 mm
- Length: 126 mm

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	**160TA4763**
	10	DC	7,3	33	37,5	HA16PX, HA20PX	**160TA3521**
	12	DC	4,7	45,8	56,5	COMPACT10DX, COMPACT12DX	**160TA3378**
	12	DC	5	45	52	HA18PXNT, HA16PXNT, HA16PX	**131TA8236**
	12	DC	5	45,3	56	H21TX, HA16SPX, HA16X, HA20PX	**160TA2729**
	12	DC	5,7	45	51	STAR12, STAR11, STAR9	**138TA7306**
	12	DC	8,4	36,2	40	COMPACT10DX	**131TA8058**

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	138TA7309
	24	DC	29,4	43,6	51	COMPACT12, COMPACT8W, COMPACT8, COMPACT10	165TA3966
	28	DC	23	40,5	38,8	STAR8, STAR10	160TA3860
	24	DC	28,7		38,5	STAR8(22J), STAR10(26J)	138TA7308
	24	DC	19,2		50	STAR 8	160TA3575
	24	DC	25,4		51	COMPACT8W/2047E/12/3, COMPACT8/10N/2032E/26, COMPACT10/2747E, COMPACT10, COMPACT14, COMPACT3	131TA9561

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

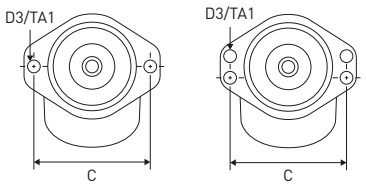
Used on HA16PX, HA16PXNT, HA16P, HA12IP, HA16SPX

REF 160TA2940

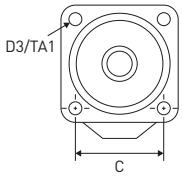
HYDRAULIC MOTORS

Type of flange

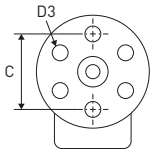
Type A



Type C



Type D
Number of holes is not important for this type

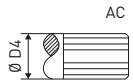


Type S
Special shape, none of the previous types

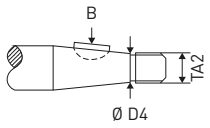
Type Z
Without flange

Type of shaft

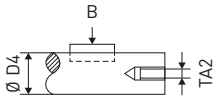
Type B



Type E



Type F



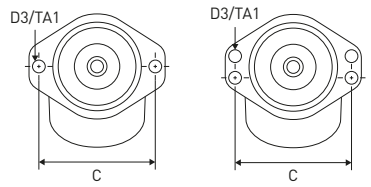
Type S
Special type

	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	131TA6855
	1/2" BSP	A	F	195	HA15X, HA16PX, HA18PX, HA16PXNT, HA18PXNT, HA16P, HA18P, HA16X	131TA9754
	1/2" BSP	C	E	219	OPTIMUM6, OPTIMUM8	138TA7250
	1/2" BSP	C	E	243	COMPACT12	160TA5011

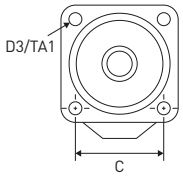
HYDRAULIC MOTORS

Type of flange

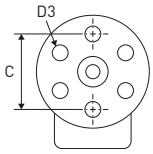
Type A



Type C



Type D
Number of holes is not important for this type

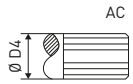


Type S
Special shape, none of the previous types

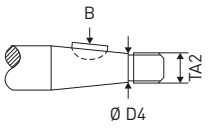
Type Z
Without flange

Type of shaft

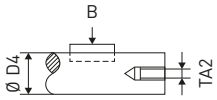
Type B



Type E



Type F



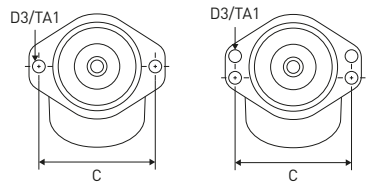
Type S
Special type

	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	**131TA6848**
	1/2" BSP	D	B	151	HA12PX, H21T, HA16PX, HA18PX, HA18PXNT, HA16PXNT, HA16P, HA18P, HA26PX, HA20PX, HA20P, H23T, H25TP, HA260PX, HA16X, H21TX, HA16SPX	**138TA7251**
	1/2" BSP	S	S	150	HA16RTJ, HA46RTJP, H12SX(L), HS5388RT(XL)	**160TA4703**
	3/4" BSP	C	E	383	COMPACT10DX, COMPACT12DX, COMPACT12DX, COMPACT3368RT, COMPACT10DX, COMPACT2668RT, COMPACT8DX	**138TA7254**

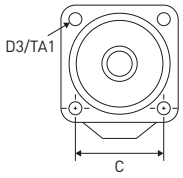
HYDRAULIC MOTORS

Type of flange

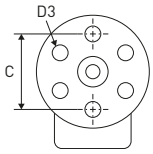
Type A



Type C



Type D
Number of holes is not important for this type

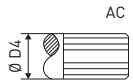


Type S
Special shape, none of the previous types

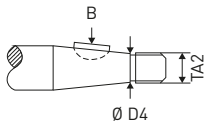
Type Z
Without flange

Type of shaft

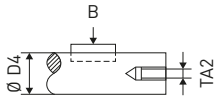
Type B



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	**160TA3341**
	3/8" BSP	Z	F	150	STAR9, STAR12, STAR11	**138TA7248**
	7/8" UNF	C	E	229	COMPACT12EN 280, COMPACT8W, COMPACT2247E, COMPACT10RTE, COMPACT2668L, COMPACT10N, COMPACT2632E, COMPACT8, COMPACT2032E, COMPACT12, COMPACT8, COMPACT12, COMPACT2277E, COMPACT3347E, COMPACT12, COMPACT10	**131TA6833**

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	106TA5591
	85,5	32	CW	Aluminium	LPE/STAR6P	160TA2215
	87,4	52	CCW	Aluminium	HA15IP, HA43JE, COMPACT10-12/2668-336, HA12IP, HA33JE, HA15IP	138TA7263
	92,7	32	CCW	Aluminium	STAR 8	160TA3362
	98	85	CW	Aluminium	COMPACT8, COMPACT10, COMPACT12	160TA3451
	99,5	45,2	CCW	Aluminium	OPTIMUM8	160TA3201
	100	45,2	CCW	Aluminium		165TA3968

HYDRAULIC PUMPS

	Total length mm	Neck diameter mm	Direction of rotation	Material of housing	Used on	REF
	102	32	CCW	Aluminium	STAR8, STAR10	**138TA7264**
	107,4	31,7	CW	Aluminium	HA12CJ(+)32CJ(+)/33CJ	**165TA3969**
	110	31,7	CW	Aluminium	HA12CJ(+)/32CJ(+)/33CJ(+)	**160TA2751**
	121	45,2	CCW	Aluminium		**147TA6760**
	191	82,5	CCW	Aluminium	COMPACT12DX, COMPACT8DX, COMPACT10DX	**160TA2984**
	215	101,5	CW	Aluminium		**160TA3506**
	233	101,5	CW	Aluminium + metal	H12SX	**138TA7265**

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	**138TA7252**
	260	101,5	CW	Aluminium	HA16DX, HA16D	**165TA3970**
	250	101,6	CW	Metal	HA188PX, HA51SJRT, HA16/18SPX, HA46/51S, HA14TX-16TPX, HA40-4, HA20/260PX, HA61/80J, H21TX/23/25TPX/HB6268	**160TA3801**

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	**138TA7258**
	12 DC	2,1	HT/28/85(RTJO)/(PRO), HB86TJ+/H25TJ+, HA26RTJ O/HA80RTJ PRO, HA20RTJ/ HA61 RTJ PRO, HT43/132 RTJ PRO	**160TA3897**
	24	3	COMPACT12, COMPACT8W, COMPACT8, COMPACT10, OPTIMUM8, OPTIMUM6	**139TA5117**
	24	3	H960E	**138TA7256**
	24	3	STAR12, STAR9, STAR11, STAR10	**160TA3678**
	24 DC	3	STAR 8	**160TA1516**

HYDRAULIC PUMP GROUPS

	Electric motor V	Power kW	Used on	REF
	24 DC	3	OPTIMUM6, COMPACT8W, COMPACT8, COMPACT10N, COMPACT12, COMPACT10RTE, COMPACT10, OPTIMUM8, COMPACT12EN 280	138TA7260
	24 DC	3	HM8/HM10P, STAR 8, STAR 10, HM8	138TA7262
	24 DC	4,5	OPTIMUM6, OPTIMUM8	138TA7255
	48 DC	3,7	HA12IP, HA33JE, HA15I, HA43E, HA16P(X/D/N), HA46JRT	138TA7259
	48 DC	3,7	HA15IP, HA43JE, HA33JE	160TA2800
	24 DC	4,5	STAR10	160TA3829

USED ON HAULOTTE

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	138TA7459
	36	90	27	HAA14TPX, HA16TPX, HA20PX, HA26PX	138TA7462
	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	138TA7458
	41,5	50	41,5	HA20PX, HA26PX	128TA3393

FILLER CAPS

	Height mm	Outer diameter mm	Inner diameter mm	Used on	REF
	43	65,5	36	HA15X, HA16P, HA18P, HA16PX, HA16SPX	138TA7463
	62	67	48	H43TPX, HA41PX-NT	138TA7460
	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)	138TA7461

FUEL PUMPS

	Total height mm	Centre distance mm	Number of holes	Used on	REF
	72	78	2		138TA7321
	72	78	2	MJX990, MJX970, MJX950, HTL4017	138TA7322
	90	51	2	H25TPX	138TA7324
	92	45	2	HA120PX	152TA4582

FUEL PUMPS

	Total height mm	Centre distance mm	Number of holes	Used on	REF
	128,5	72,5	2		160TA3360
	130	73	2		138TA7325
	170	73	2	HA18PX, HA51SJRT, HA16/18SPX, HA46/51S, HA14TX-16, HAB40-4, HA16/18PX, HA46/51J, MJ970, HA16X, HA46RT	138TA7323
	257	60	3	HA41/130RTJPRO, HA32RTJPRO, HA100RT, HT43RTJPRO, HT132RT, HTL3210, HTL3614-3617-4014-401, HTL3010/3510/4010, HTL3210,	139TA5153
	112	11	4	H12SX, H15SX	160TA2549

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	135TA2516
	12	DC	Pull	Both sides	111	H16TPX, HB44J, HA16PXNT, HA46JRT, HA18PXNT, HA51JRT, HA15X	138TA7336
	12	DC	Pull	Both sides	127	H43TPX	138TA7337
	12	DC	Pull	Both sides	71	COMPACT10DX	128TA3249
	12	DC	Pull	Both sides	96	COMPACT10DX	160TA4273
	12	DC	Pull	Without	82,7	H12SX, H15SX	160TA1242

ENGINE STOP SOLENOIDS

	Voltage V	Type of voltage	Function	Mounting side	Length mm	Used on	REF
	12	DC			92,5	HA12DX	165TA3971
	24	DC		Without	127,5	HA16DX, HA20PX	138TA7338
	12	DC	Push	Both sides	69	HA20/260PX, HA61/80J	151TA2997

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

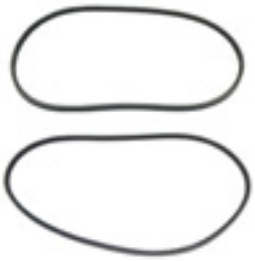
REF 138TA7332



- 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
Air filters					
			41,7	HA120PX, HA16X, HA260PX	**164TA1037**
	105	60	270	COMPACT10/12DX/3368RT, COMPACT10/12X-H12/15/1, COMPACT10-12DX/2668-3	**152TA6363**
	105	62	292	HA16RTJ, HA46RTJP	**152TA8850**
	121	77	291	COMPACT10DX, COMPACT12DX	**138TA7351**
	140	60	87	HA20PX, HA26PX	**164TA1047**
	140	81	320	HA32ERJPRO, HT43RTYPRO	**164TA1030**
	164	8	202	HA32ERJPRO, HT43RTYPRO	**127TA2385**
	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	**138TA7353**

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	**152TA4749**
	82	73	191	HA16PE, COMPACT10RTE	**164TA1056**
	87	44	180		**164TA1044**
	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	**138TA7354**
Oil filters					
	44	20,7	100	STAR8, STAR10, STAR6	**138TA7363**
	45	22	195	HA15IP, HA43JE, HA12IP, HA33JE	**138TA7364**
	56,5	25	170		**164TA1036**
	56,5	25,5	205	HTL3614-3617-4014-4010, HT43RTJPRO, HT132RT, HT28/85(RTJO)/(PRO), HA41/130RTHPRO, HA32RTJPRO, HA100RT, HA20RTJ, HA20RTJPRO, HTL3210, HTL3010/3510/4010, H43TPX, HB135JRT, HA41PX/130JRT-NT	**164TA1017**

FILTERS

	Outer diameter mm	Inner diameter mm	Height mm	Used on	REF
	75	17,4	57	HA20PX, HA26PX	**127TA2376**
	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	**138TA7359**
	83	18,5	100	COMPACT10, HA16RTJ, HA46RTJP	**152TA4376**
	85	18,5	78	COMPACT 8DX, 10DX, 12DX	**164TA1046**
	86	57	245	HA16DX	**164TA1055**
	93,5	17,4	180	HTL3614-3617-4014-401, HT43RTJPRO, HT132RT, HA41/130RTJPRO, HA32RTJPRO, HA100RT, HTL3210, HTL3010/3510/4010, HA43TPX, HB135JRT, HA41PX/130JRT-NT	**164TA1026**
	93,5	17,4	85	HA20RTJ, HA20RTJP, HT21/61RT, HT23/67RTJ	**164TA1038**
	94	18,5	82		**164TA1057**
	95	23,2	140	P90-P90L-T90LX-MULTIJ	**164TA1059**

FILTERS

	Outer diameter mm	Inner diameter mm	Height mm	Used on	REF
	95	49	195,5	HTL3614-3617-4014-4010, HTL4017	138TA7365
	95	93,5	187	COMPACT10, COMPACT8, COMPACT14, COMPACT12	127TA2432
	96	17,4	144	COMPACT10, HA16DX, HA16D	127TA2388
	96,2	24,6	140	COMPACT10, COMPACT8	127TA2378
	97	23,2	138		152TA8645
	98	23,2	213	MJX990, MJX970, MJX950, HTL4017	138TA7356
	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	127TA2377
	128	39,6	179	HA12I, HA15I, HA20PX	164TA1028

FILTERS

	Outer diameter mm	Inner diameter mm	Height mm	Used on	REF
Fuel filters					
	47	8	120	HA18PX, HA51SJRT, HA16/18SPX, HA46/51S, HA14TX/16TPX, HA40-4, HA16/18PX, HA46/51J	**152TA3207**
	77	14,5	124	MJX990, MJX970, MJX950, HTL4017	**138TA7358**
	77	14,5	72	P90-P90L-T90LX-MULTIJ, HA130TX, HA16X, HA260PX	**152TA4138**
	84	14,5	130	HA260PX/HA80JT, HA20/260PX – HA61/80JRT, HA18PX/HA51SJRT	**127TA2384**
	84	18,5	74	COMPACT10	**152TA4822**
	87	14,5	156	COMPACT10/12X-H12/15/1, HA16DX, HA16D	**127TA2389**
	87,3	19,1	71,4	H12SX(L), H15SX(L), H18SX(L)	**164TA1058**
	110,5	23,2	216		**138TA7361**

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

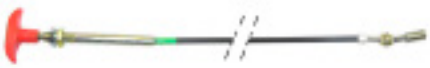
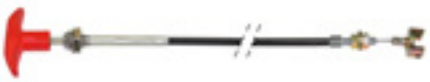


- Pitch: 12,7 mm
- Leaf chain
- Pin diameter: 5,08 mm
- Total width: 27,8 mm
- Chain length: 6770 mm

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	127TA2421
	3730	2	3650	COMPACT8, COMPACT10N, OPTIMUM6, OPTIMUM8	138TA7410
	4035	2	3965	COMPACT8, COMPACT10, COMPACT14	138TA7411
	4930	2	4855	H12SX	138TA7412
	6025	2	5955	COMPACT12DX, COMPACT8DX, COMPACT10DX	138TA7413
	5510	1,3	5440	H12SD, H15SD	160TA3364

CABLE GUIDES

	Outside dimensions mm	Inside dimensions mm	Material	Used on	REF
	94 x 64	75 x 44,5	Plastic	HA18PXNT, HA18PX, HA18P, HA16X	160TA3869
	102,6 x 60	75 x 44	Plastic	H16TPX	160TA2676
	90,5 x 49,5	72,4 x 34,5	Plastic	H21T, H23T, H25TP, H21TX	160TA3445
	72,5 x 34,5	57 x 25	Plastic	HA15I, HA15D, HA15X, HA16, HA18PXNT, HA18PX, HA16PXNT, HA16P, HA18P, HA12IP, HA15IP, HA16DX	138TA7211
	94 x 64	75 x 45	Plastic	HA15X, HA16PX, HA16PXNT, HA16P, HA15IP, HA16SPX	138TA7210
	95 x 64	75 x 45	Plastic	HA16RTJ, HA46RTJP	164TA1088
	95 x 64	75 x 45	Plastic	HA20P, HA20PX	138TA7213
	98,5 x 83,5	75 x 62	Plastic	HA26PX	138TA7212

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	**138TA7215**
	91 x 50	75 x 34	Plastic	H21TX, H23TPX, H25TPX	**160TA3249**
	93,5 x 64	75 x 44,5	Plastic	HA16(S)PX, HA18(S)PX	**138TA7219**
	98 x 83,5	74,5 x 61,5	Plastic	HA26PX	**138TA7217**

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

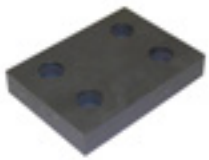
Used on H12SD, H18DX, H15SD, H12SX, H15SX, H18SX

REF 127TA2426

SUPPORTS – PIECES OF CONNECTIONS

	Number of holes	Material	Used on	REF
	5	Metal	COMPACT12DX, COMPACT8DX, COMPACT10DX	160TA2786
	4	Metal	COMPACT8, COMPACT10N, COMPACT12	160TA3834
	13	Metal	HA16PX, HA16PXNT, HA16P, HA15IP, HA16SPX	160TA3758
	2	Metal	H12SD, H18DX, H15SD, H12SX	127TA2369
	2	Metal	H12SD, H15SD	160TA1768
	2	Metal	HA12PX, HA15X, HA16PX, HA18PXNT, HA18PX, HA16PXNT, HA12IP, HA15IP	160TA2421
	2	Metal	COMPACT8, COMPACT8W, COMPACT10N, COMPACT10, COMPACT12, COMPACT12DX, OPTIMUM8, COMPACT10RTE, OPTIMUM6, COMPACT12EN 280, COMPACT10DX	160TA3163
	28	Metal	COMPACT10, COMPACT13, COMPACT12, COMPACT8	138TA7440
	6	Metal	H125X(L)/HS5388RT(XL), H12SD(X/E), H15SD(X/E), H18SDX	127TA2371
	5	Metal	HA16PXNT, HA18PXNT, HA16PX, HA16SPX	160TA2808

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	160TA3027
	100	Plastic	STAR10, STAR 8	160TA3751
	100	Plastic	STAR10, STAR 8	160TA4068
	100,5	Plastic	STAR9, STAR12, STAR11, STAR6, STAR10, STAR 8, STAR 6	138TA7421
	105	Plastic	HA12PX, HA15X, HA16PX, HA16P, HA12IP	160TA3354
	110	Plastic	HA20P, HA26PX, HA20PX, HA26P	138TA7425
	110	Plastic	HA12PX, HA15X, HA16PX, HA16PXNT, HA16P, HA12IP, HA15IP, HA16DX, HA16D 4X4, HA16D, HA16SPX, HA16X	138TA7426
	120	Plastic	HA12PX, HA15X, HA16PX, HA18PX, HA16PXNT, HA18PXNT, HA16P, HA18P, HA12IP, HA15IP, HA16X, HA16SPX	160TA2989
	140,4	Plastic	HA12PX, HA15X, HA16PX, HA16PXNT, HA16P, HA12IP, HA15IP, HA16SPX, HA16X	160TA3856
	149	Plastic	HM8, STAR10, STAR8, HM10P	138TA7428

WEAR PADS

	Diameter mm	Material	Used on	REF
	150	Plastic	HA20P, HA26PX, HA20PX, HA26P, H16TPX	160TA1843
	152	Plastic	H21T, H23T, H25TP	138TA7430
	152	Plastic	H21T, H23T, H25TP	138TA7431
	159	Plastic	HA32PX	160TA1273
	16,2	Plastic	HM8, STAR10, STAR8, HM10P	138TA7434
	44	Plastic	H16TPX, H21T, HA20P, HA26PX, HA20PX, HA26P, H23T, H25TP, H21TX	138TA7415
	200	Plastic	HA20P, HA26PX, HA20PX, HA26P	138TA7432
	44,4	Plastic	HA18PXNT, HA16PXNT, HA12IP, HA15IP, HA16PX, HA16SPX, HA16X	160TA3984
	50	Plastic	HA15I, HA15D, HA15X, HA16PX, HA18PXNT, HA18PX, HA16PXNT, HA16P, HA18P, HA12IP, HA15IP, HA16DX, HA16D 4X4, HA16D	160TA3409
	90,3	Plastic	COMPACT8, COMPACT12, COMPACT10, COMPACT10N, COMPACT8W, OPTIMUM6, OPTIMUM8, COMPACT10RTE, COMPACT12EN 280	160TA3953

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

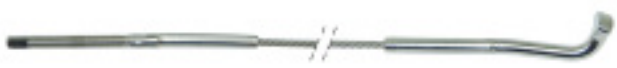
STEEL CABLES



- 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

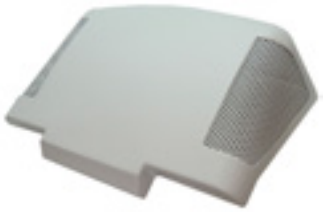


Compact lock and key DX

Used on COMPACT12DX, COMPACT8DX, COMPACT10DX

REF 138TA7457

PROTECTIVE COVERS

	Length mm	Width mm	Used on	REF
	1250	800	HA12CJ, HA32CJ, HA33CJ	160TA2301
	818,5	575	H12SD, H18DX, H12SX, H15SD, H15SX, H18SX	160TA3606
	1650	1030	HA26PX, HA80JRT, HA20PX, HA61JRT	160TA2929
	1570	965	HA20PX, HA260PX, HA61J, HA80J	160TA3338
	1620	1075	HA20PX	160TA1831
	1150	975	HA120PX, HA12PX	160TA2961
	1300	560	HA16PX, HA18PX, HA16PXNT, HA18PXNT	160TA4242
	1300	560	STAR10, STAR8	160TA3777

PROTECTIVE COVERS

	Length mm	Width mm	Used on	REF
	2025	590	COMPACT10, COMPACT10DX, COMPACT12, COMPACT12DX, COMPACT3368RT, COMPACT2668-3, COMPACT2668-336, COMPACT2668RT, COMPACT8DX, COMPACT2068RT	**165TA3975**
	845	330	HA15I, HA43E, HA12I, HA12IP, HA33JE	**160TA3713**
	1050	73	COMPACT12DX, COMPACT8DX, COMPACT10DX	**160TA2758**
	1050	73	COMPACT10DX	**160TA4927**
	1090	1045	HA16PX, HA18PX, HA16PXNT, HA18PXNT, HA16SPX	**160TA3673**
	1280	490	STAR10, STAR 8	**160TA3997**
	960	295	HA20PX	**160TA2382**
			COMPACT10DX, 12DX	**160TA3197**

PROTECTIVE COVERS

	Length mm	Width mm	Used on	REF
	1250	680	STAR10, STAR8	160TA3811
	1260	595	STAR10, STAR8	160TA3812
	743	728	STAR10, STAR8, STAR 8	165TA3976
	1250	750	STAR 8	165TA3977
	900	680	HA120PX	165TA3978
	1030	780	H14TPX, H16TPX	160TA3050
	1170	1050	H16TPX	160TA3243
	635	514	HA120PX, HA12IP, HA33JE, HA12PX	160TA2452

PROTECTIVE COVERS

	Length mm	Width mm	Used on	REF
	1750	1100	H16TPX	160TA3527
	1540	980	HA26PX, HA80JRT, HA20PX, HA61JRT	160TA2955
	835	360	HA15IP	160TA3195
	2110	590	COMPACT10, COMPACT10DX, COMPACT12, COMPACT12DX, COMPACT3368RT, COMPACT2668-3, COMPACT2668-336	160TA3240
	1790	550	H21T, H21TX, H23TX, H23 TP, H23TPX, H25TP, H25TPX, HB62, HB68	160TA3691
	670	550	HA120PX, HA12IP, HA33JE, HA15IP	160TA4036
	900	670	HA12IP, HA15IP	160TA3921
	1550	1050	HA18P(X), HA51JRT, HA16P(X/D/N), HA46JRT	160TA3034

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	**138TA7407**
	Push	200	580	HA26PX, HA20PX, HA26P, COMPACT10DX	**138TA7408**
	Push	2100	540	HA32PX, H43TPX, HA41PX-NT	**160TA3709**
	Push	350	485	COMPACT12DX, COMPACT8DX, COMPACT10DX	**160TA4002**
	Push	500	215	HA15X, HA16P, HA18P, HA16X	**138TA7406**
	Push	600	295	H23T, H25TP, H21TX, HA20PX	**138TA7409**
	Push	1150	395	H14TX-16TPX, HB40-4	**165TA3979**

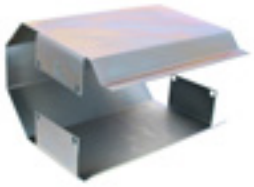
COVERS



- 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, HA16PXNT, HA16P, HA20P, HA18P, HA20PX, HA26P, H16TPX

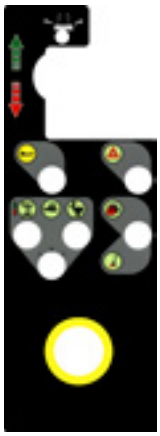
REF 138TA1199



- Length: 125 mm
- Height: 340 mm

Used on COMPACT8, COMPACT10, COMPACT12, COMPACT8W, OPTIMUM8, OPTIMUM6, COMPACT10N

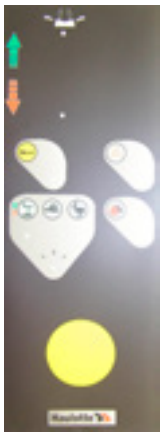
REF 126TA9572



- Length: 125 mm
- Height: 348 mm

Used on COMPACT8, COMPACT10, COMPACT14

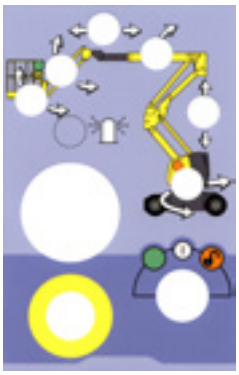
REF 160TA4035



- 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

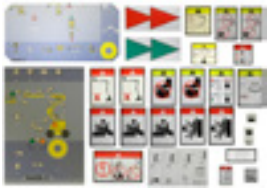
REF 138TA7498



- 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



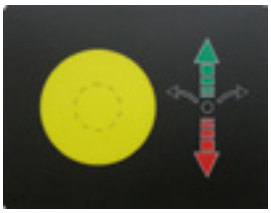
- Length: 435 mm
- Height: 104 mm

REF 160TA3884



- Length: 278 mm
- Height: 385 mm

REF 160TA3432



- Length: 130 mm
- Height: 100 mm

Used on H12SX(L), HS5388RT(XL), COMPACT10

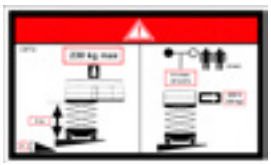
REF 139TA2901



- 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

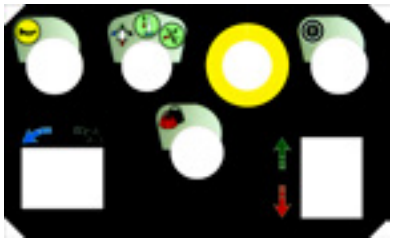
REF 126TA9645



- Length: 230 mm
- Height: 100 mm

Used on H12SX, COMPACT8DX, COMPACT10DX, COMPACT12DX, H15SX, H18SX

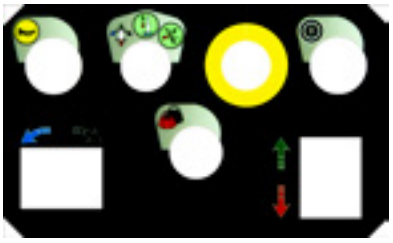
REF 127TA2416



- Length: 230 mm
- Height: 140 mm

Used on STAR 8, STAR 10

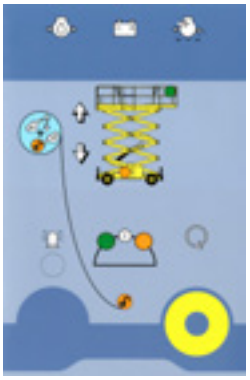
REF 160TA3463



- 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

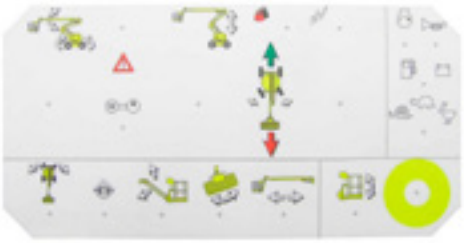
REF 138TA7492



- 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

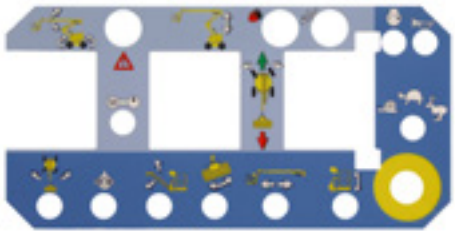
REF 160TA3464



- Length: 39 mm
- Height: 57 mm

Used on COMPACT8, MPE/ LPMSTAR6P, STAR6, STAR8, STAR10, COMPACT12, OPTIMUM8, OPTIMUM6, COMPACT10, STAR12

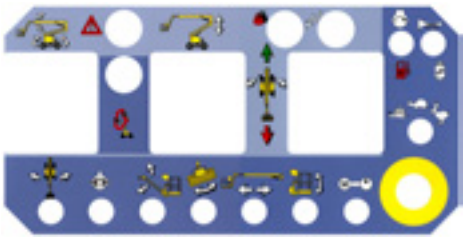
REF 160TA4101



- Length: 400 mm
- Height: 200 mm

Used on HA16PXNT, HA16PX, HA120PX

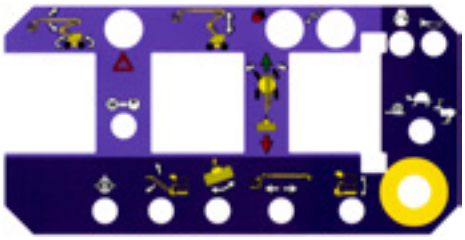
REF 138TA7490



- Length: 400 mm
- Height: 200 mm

Used on HA20/260PX, HA61/80J, HA26PX, HA80JRT

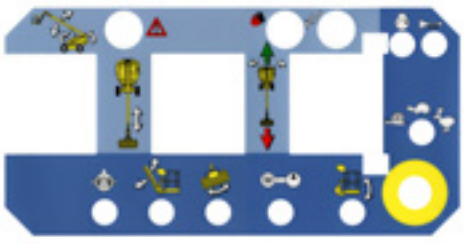
REF 138TA7487



- Length: 400 mm
- Height: 200 mm

Used on HA16X, HA260PX

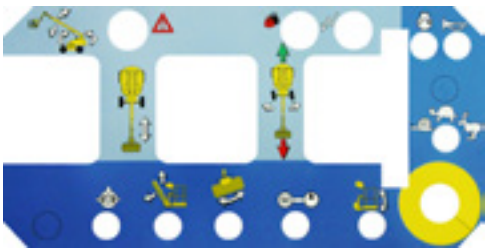
REF 138TA7489



- Length: 400 mm
- Height: 200 mm

Used on H14TX-16TPX, HB40-4

REF 160TA3462

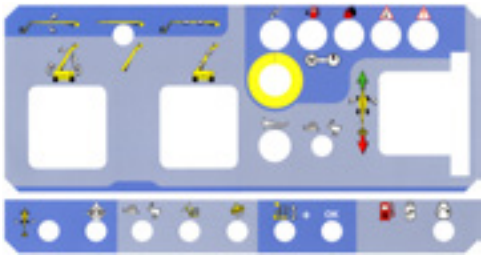


- Length: 400 mm
- Height: 200 mm

Used on H21, H23, H25

REF 160TA3994

DECALS



- Length: 512 mm
- Height: 202 mm

Used on H32PX

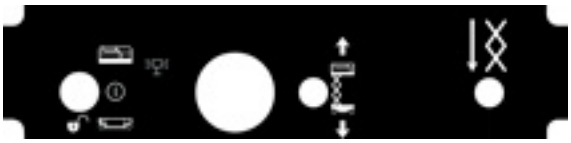
REF 160TA3468



- 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

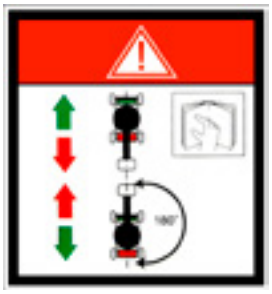
REF 138TA3315



- 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

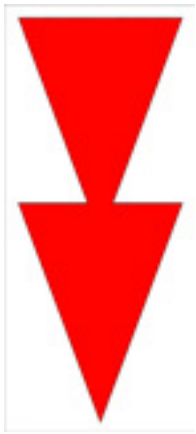


- Length: 92 mm
- Height: 135 mm

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

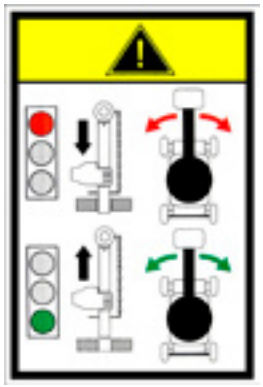
REF 126TA9623



- 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

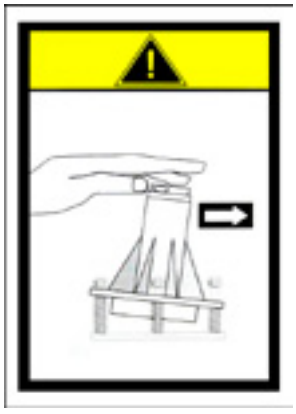
REF 126TA9632



- 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

USED ON HAULOTTE

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	138TA7376
	20	93	No	H21T, HA15X, HA16PX, HA18PX, HA18PXNT, HA16PXNT, HA16P, HA20P, HA18P, HA26PX, HA20PX, HA26P, H16TPX, H23T, H25TP, HA260PX, HA16X, H21TX, HA16SPX	138TA7377
	32	115	Yes	HA15IP, HA43JE, HA120PX, HA12IP, HA33JE, HA18PX, HA51SJRT, H14TX-16TPX, HB40-4, HA16-18PX, HA46/51J, HA16X, HA46RT, HA12PX	138TA7379
	32	168	Yes	HA15IP, HA43JE, HA120PX, HA12IP, HA33JE, HA18PX, HA51SJRT, HA16/18SPX, HA46/51S, HA46/51J, HA16/18SPX, HA46RT, HA16PXNT, HA18PXNT, HA51JRT, HA15X, HA12PX	138TA7380
	32	320	Yes	HA16SPX, HA12PX, HA16PX, HA18PX, HA16PXNT, HA18PXNT, HA16P, HA18P, H16TPX, HA12IP, HA15IP	160TA3943
	40	100	No	H12SD, HA12PX, H18DX, H12SX, H15SD, H15SX, H18SX	160TA3998
	40	178	No	HA15I, HA12I, HA12IP, HA15IP	138TA7381
	40	190	Yes	HA15IP, HA43JE, HA120PX, HA12IP, HA33JE, HA18PX, HA51SJRT, HA16/18SPX, HA46/51S, HA120PX, HA15IP, HA16PXNT, HA46JRT, HA18PXNT, HA51JRT, HA12PX	138TA7378
	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	160TA3883

USED ON HAULOTTE

KNOBS



- 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

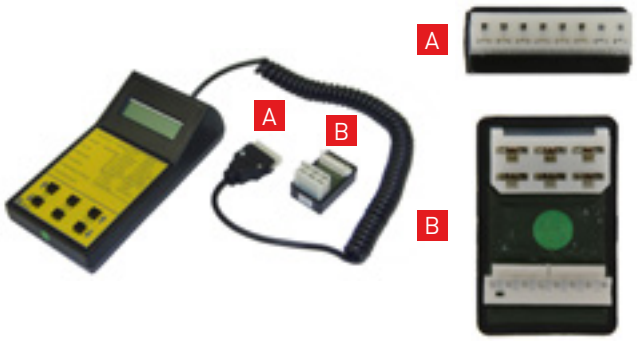
SERVICE INTERFACE/SOFTWARE



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



USED ON

JLG

ELECTRONIC JOYSTICKS



Dual-axis

Used on SSV10

REF 145TA3098



Dual-axis

Used on 100SX

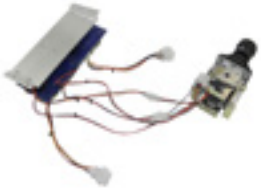
REF 165TA3986



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

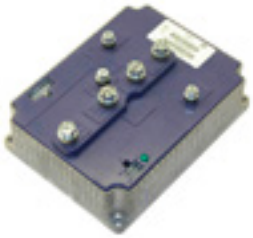
MOTOR CONTROLLERS



- 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

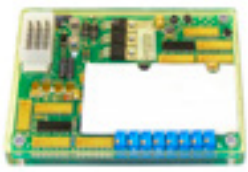


- Power MD controller
- Dimensions: 395 x 255 mm

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



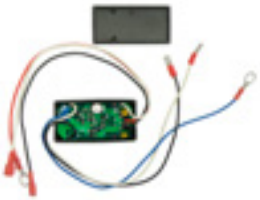
Controller power

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

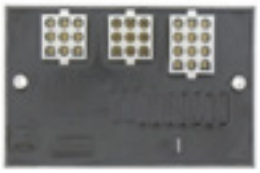


Module, ignition



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

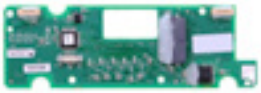


Used on 400/500RTS, 25/33/40RTS



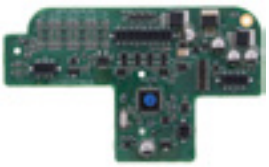
Battery charger LED

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

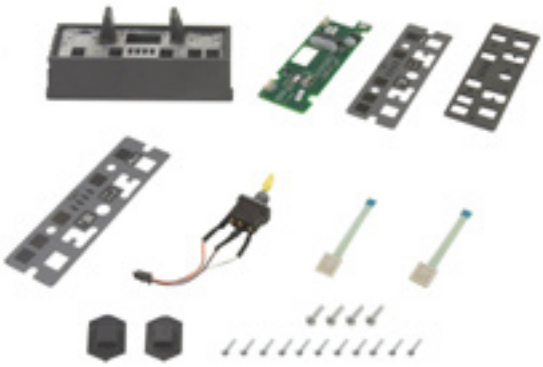


- Built-in diameter: 14 mm
- Lens colour: red

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

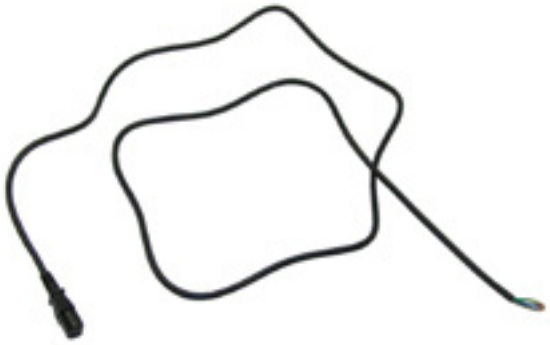


- Voltage: 24–48 V
- Volume: 110 dB
- Type of mounting: straight bracket
- Diameter: 91 mm

Used on 30E, E300A, 3369ELECTRIC, 3369LE, E600, E45A, E400A, 30electric

REF 163TA8198

AC CORD



- Cable type: < 6 mm²
- 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 mm²	Type of loom	Total length mm	Number of plugs	Used on	REF
	6	Multiple cables	2000	1	E300A, 3369LE, E400A	126TA4767
	6	Multiple cables	8650	1	E400A	165TA4007
	6	Multiple cables	8900	1	450A	126TA4775
	6	Multiple cables	9100	1	450A, 450AJ	165TA4008
	6	Multiple cables	10 390	1	450A, 510AJ	126TA4774
	6	Multiple cables	11 225	1	510AJ	165TA4009
	6	Multiple cables	14 100	1	600A from serial n° 0300000000 to 0300099999	165TA4010
	6	Multiple cables	22 860	1	600SC, 600S	165TA4011
	6	Multiple cables	28 190	1	800S	165TA4012

CABLE LOOMS

	Cable type mm²	Type of loom	Total length mm	Number of plugs	Used on	REF
	6	Multiple cables	3000	2	3369LE, 260MRT, 1930ES	**165TA4013**
	6	Multiple cables	3580	2	1930ES	**165TA4014**
	6	Multiple cables	4050	2	1930ES	**165TA4015**
	6	Multiple cables	4280	2	1930ES	**165TA4016**
	6	Multiple cables	7370	2	3246E2, E300A	**165TA4017**
	6	Multiple cables	8100	2	1930ES	**165TA4018**
	6	Multiple cables	14 830	2	1930ES	**165TA4019**
	6	Multiple cables	26 820	2	3369LE	**165TA4020**
	6	Multiple cables	1765	3	600A from serial n° 0300000000 to 0300099999	**165TA4021**

CABLE LOOMS

	Cable type mm²	Type of loom	Total length mm	Number of plugs	Used on	REF
	6	Multiple cables	6625	3	3394RT	139TA5110
	6	Multiple cables	16 450	3	1532E3 from serial n° 0200000000 to 0200999999	126TA4771
	6	Multiple cables	19 600	3	800A	165TA4022
	6	Multiple cables	23 580	3	3369LE	165TA4023
	6	Multiple cables	505	4	1230ES, 1930ES	165TA4024
	6	Multiple cables	2310	4	260MRT, 1930ES	165TA4025
	6	Multiple cables	19 760	4	260MRT	165TA4026
	6	Multiple cables	315	5	E400A, E600	165TA4027
	6	Multiple cables	1230	5	1930ES	139TA5109

CABLE LOOMS

	Cable type mm²	Type of loom	Total length mm	Number of plugs	Used on	REF
	6	Multiple cables	1240	5	1230ES	165TA4028
	6	Multiple cables	1540	5	1930ES	165TA4029
	6	Multiple cables	2200	8	1250AJP	165TA4030
	6	Multiple cables	4650	8	SSV10	165TA4031
	6	Multiple cables	7800	9	15DVL	165TA4032
	6	Multiple cables	1540	10	1930ES	165TA4033
	6	Multiple cables	1340	12	1930ES	139TA5108
	6	Multiple cables	1230	16	1930ES	165TA4034
	6	Multiple cables	3640	19	1930ES	165TA4035

CABLE LOOM KITS



- Cable type: < 6 mm²
- Type of loom: multiple cables
- Total length: 3580 mm
- Number of plugs: 2

Used on 1930ES

REF 165TA4036



- Cable type: < 6 mm²
- Type of loom: multiple cables
- Total length: 4050 mm
- Number of plugs: 2

Used on 1930ES

REF 165TA4037



- Cable type: < 6 mm²
- 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 unterrupted A	Magnetic blowouts	Dust cover	Used on	REF
	12	80	200	Not specified	Enclosed version	80F, 40/40H-6, 60HA	**126TA4730**
	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	**126TA5356**
	12	150	200	Not specified	Enclosed version	20AM, 100HX, AM-19	**126TA4732**

COMPLETE CONTACTORS

	Voltage V	Maximum current interrupted A	Maximum current unterrupted A	Magnetic blowouts	Dust cover	Used on	REF
	24	100	100	Not specified	Enclosed version	1230ES, 1930ES, TOUCAN 8E, TOUCAN 10E	139TA5071
	24	100	100	No	No	TOUCAN1010, TOUCAN800, TOUCAN910, TOUCAN870, TOUCAN800A, TOUCAN 870	139TA5069
	24	100	125	No	IP66	1532E, 10VP, 1930ES, 15VPSP	126TA5358
	24	100	125	No	IP66	1532E3 from serial n° 0200000000 to 0200999999, 3246E2, 1532E2	126TA5359
	24	100	125	No	No	TOUCAN DUO, TOUCAN JUNIOR 6, TOUCAN JUNIOR 8, V1331E, 13MSPT	139TA5068
	24	150	80	No	Yes	VM2639E, TOUCAN1210, TOUCAN1310, TOUCAN800A, TOUCAN1010, TOUCAN1100, TOUCAN870, TOUCAN800, TOUCAN861, TOUCAN910, V2039E, V2642E, VM3242E, TOUCAN1100A, TOUCAN 870	107TA1281
	24	80	80	No	IP66	TOUCAN DUO, TOUCAN JUNIOR 6, TOUCAN JUNIOR 8, V1331E, 13MSPT	139TA5072
	24	200	150	Not specified	Enclosed version	CM1432, CM2033, CM20N, 800A	111TA4054

COMPLETE CONTACTORS

	Voltage V	Maximum current interrupted A	Maximum current unterrupted A	Magnetic blowouts	Dust cover	Used on	REF
	48	150	150	Yes	No	(N)30/35/40/45E, 3369/3369 ELECTRIC	**126TA5362**
	48	150	150	Yes	Yes	(N)30/35/40/45E, 3369/3369 ELECTRIC	**126TA5361**
	48	150	150	Yes	Yes	E300A, E600, E45A, E400A	**165TA4039**
	48	150	200	Yes	Yes	E300A, E600, E45A, E400A	**165TA4040**
	48	150	200	Yes	Yes	3369ELECTRIC, 30E, 30electric	**106TA1662**
	48	150	200	Yes	Yes	30E, 3369ELECTRIC, 30electric	**165TA4041**
	48	150	200	Yes	Yes	3369LE	**126TA5360**
	48	150	200	Yes	Yes	E300A, E600, E45A, E400A	**139TA5070**

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

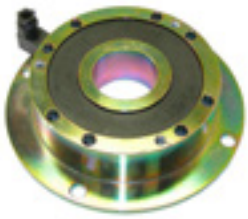
ELECTRIC BRAKES



- 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

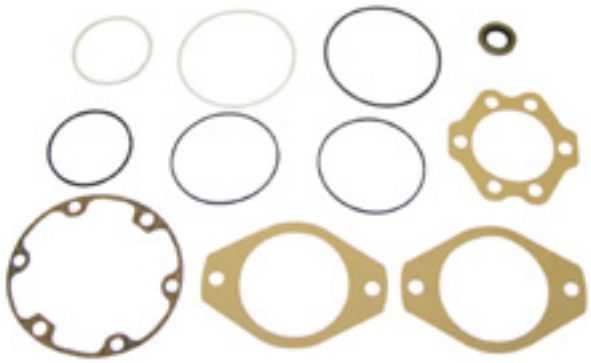
BRAKE ASSEMBLY KITS



Friction disc kit

Used on 450A, 800A, 1200SJP, 1250AJP, 400S, 800S, 510AJ, 1500SJ, 1100S, 680S, 3394RT, 1100SB

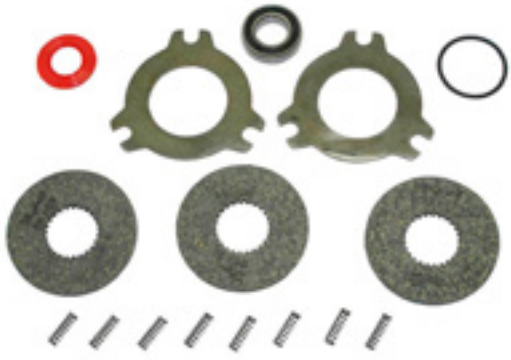
REF 165TA4044



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

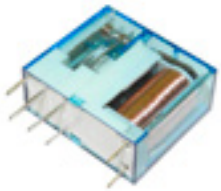
Used on 40H/40H6, 60HA, 150HAX, 120HX, 100SX/110SX/110SXJ/120SXJ, 100HX, 100HX-10/110HX, H340AJ, 3706-4017PS/33,7/37,6

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	124TA4693
	General purpose and power relay	24	DC	10		165TA4048
	Mini-relay	12	DC	25/30	120HX, 100HX, 800A, 600S, 3394RT	116TA5658
	Mini-relay	12	DC	40	E400A, 3369LE, E600, E45A	136TA8356
	Mini-relay	12	DC	40/30	3369LE, E400A, E600	111TA5038
	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	111TA5022

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	165TA2593
	Mini-relay	24	DC	20/15	CM2033, CM1432, 15VPSP, 3246E2, 1532E, 10VP, CM20N, 1532E2	111TA5005
	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	155TA1911
	Printed circuit board relay	24	DC	8/8	TOUCAN1010, TOUCAN800, TOUCAN861, TOUCAN910, V2039E, V2642E, VM2639E	165TA4049
	General purpose and power relay	12	DC	5	150HAX, 26MRT, 120HX, 100HX, 400S, 450A, 600A, 600SC, 800A, 450AJ, 60HA, 600S, TF6-42, 601S	122TA7897
	General purpose and power relay	48	DC	10	E400A, 30E, 3369ELECTRIC, E45A, 30electric	165TA2639
	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	111TA5010
	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	106TA2681

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	139TA5037
	12	230	2600	1,4	CW	1930ES	165TA4052
	24		2500		CW	30E, 30electric	139TA5036
	24		3300		CW	1930ES	165TA4053
	24	150		1	CW	E/M400, 450A/AJ/AJP NARROW, E/M45A/ AJ-EM40AJP/ZJP NARROW	165TA4054

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	**165TA4055**
	24		3600		CW	800S, 450A, 800A, 400S, 600S, 600A from serial n° 0300000000 to 0300099999, 3394RT	**165TA4056**
	48	102	2700	1,6	CW	1100S, 800S, 680S, 1200SJP, 1100SB	**165TA4057**
	48	40			CW	TOUCAN1010, TOUCAN800A	**122TA7775**

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



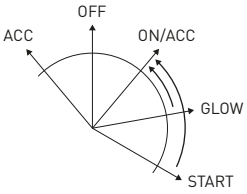
- Number of NC contacts: 2
- Number of NO contacts: 2

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



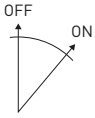


- Number of connections: 12
- Number of positions: 5
- Built-in diameter: 26 mm
- Total length: 87 mm
- Key: yes

Used on 3614/4017RS, 308-4017PS, 3706-4017PS/33,7/37,6

REF 139TA5091



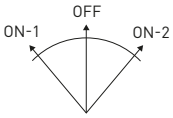


- Number of connections: 3
- Number of positions: 2
- Built-in diameter: 22 mm

Used on 9MP, 20AM, SSV10

REF 141TA2527



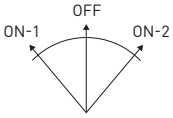


- Number of connections: 4
- Number of positions: 3
- Built-in diameter: 19 mm

Used on 1532/2658E, 1532/2658E3

REF 126TA4751





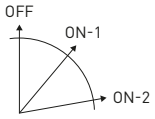
- Number of connections: 4
- Number of positions: 3
- Built-in diameter: 22 mm

Used on 1532E3 from serial n° 0200000000 to 0200999999, 3246E2, 1532E, 10VP

REF 110TA3077

IGNITION SWITCHES



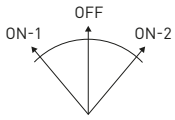


- Number of connections: 4
- Number of positions: 3
- Built-in diameter: 22 mm

Used on 1532E3 from serial n° 0200000000 to 0200999999, 3246E2, 10VP

REF 116TA5612



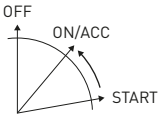


- Number of connections: 6
- Number of positions: 3
- Built-in diameter: 19 mm

Used on CM1432, 120HX, 450A, 600A from serial n° 0300000000 to 0300099999, 800A, 450AJ, 600S

REF 126TA4749



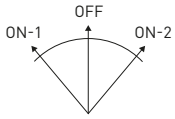


- Number of connections: 6
- Number of positions: 3
- Built-in diameter: 22 mm

Used on (N)30/35/40/45E, 3369/3969 ELECTRIC

REF 126TA4753





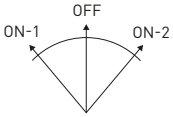
- Number of connections: 6
- Number of positions: 3
- Built-in diameter: 22 mm

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



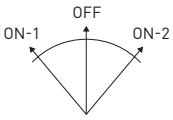


- Number of connections: 6
- Number of positions: 3
- Built-in diameter: 22 mm

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



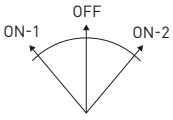


- Number of connections: 6
- Number of positions: 3
- Built-in diameter: 22 mm

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	**129TA3359**
	14603	2		**139TA5092**
	45	1		**123TA9738**
	9901	1		**141TA3339**
	9901	2	1532E3 from serial n° 0200000000 to 0200999999, 20AM, 3246E2, 26MRT, 10VP, E300A, 330CRT, 800A, TF6-42	**152TA1733**
	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	**141TA3415**
	455	2	X26JP/1-X770AJ, X17JP/2-X500AJ/2, X23J/JA/700AJ, X17J/3/4, X14J/2-X39AJ/3, X20JP/X600AJ, X19J/19JA/550AJ	**126TA5400**

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	165TA3960	163TA8493
	2	22	455	Metal		151TA2204	163TA8493
	3	22	421E	Metal	TOUCAN1210, TOUCAN1010, TOUCAN870, TOUCAN800A, TOUCAN1310, TOUCAN800, TOUCAN DUO, TOUCAN JUNIOR 6, TOUCAN JUNIOR 8, V1331E, TOUCAN 870	139TA5090	129TA4269
	3	22	455	Metal	CM2033, CM1432, 25RTS, 400RTS	138TA7121	163TA8493
	3	22	455	Metal		138TA7123	163TA8493
	3	22	455	Plastic		128TA3048	163TA8493
	3	22	455	Metal	1532E3 from serial n° 0200000000 to 0200999999, 1532E2	138TA7110	110TA3210
	3	22	455	Metal	150HAX, 100SX, 25RTS, 100HX	139TA5089	110TA3210
	3	22	455	Metal		138TA7111	110TA3210

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

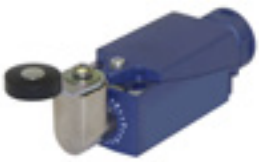
REF 161TA8364



- 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		164TA1139
	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	139TA5097
	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	126TA5409
	16	30,5	Yellow	120HX, CM20N, 8042	126TA4746
	16	34	Red	CM2033, CM1432, 150HAX, E400A, 9MP, 20AM, 25RTS, 120HX, 100HX, 400RTS, 30E, 3369ELECTRIC, 1200SJP, E600, E45A, 30electric, 1500SJ, 1100S, CM20N, 1850SJ, 1100SB	126TA5215

PRESSURE CONTACTS

	Thread	Connection	Switch mode	Pressure bar	Length mm	Used on	REF
	M18	Fixed connector	Multiple, different or with signal	10	66		165TA4071
	1/4" BSP conical	2 x blade	NO	32	60	13MSPT	165TA4072
	7/16" UNF	Connector	NO	35,2	75	E300A, 3369LE, E600, E45A, E400A	126TA5408
	M10	1 blade	NC	0,5	43,5	600A from serial n° 0300000000 to 0300099999, 450A, 600SC, 800A, 450AJ, 400S, 600S, 601S	126TA5405
	1/8" BSP conical	Screw	NC	0,6	34,5	H340AJ, 260MRT, 530LRT, 340AJ	126TA5406
	7/16" UNF	4 x blade	Change over	13,8	100	1500SJ, 1100S, 1250AJP, 1200SJP, 1850SJ, 1100SB	165TA4073
	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	165TA4074
	1/8" NPT	1 screw	Signal	1	79,5	450A, 800S, 600S, 800A	139TA5094
	1/4" BSP	4 x blade	Signal	100-400	81,8	SL153-12E, 67SL	165TA4075

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	126TA5396
	Off-(on)-none	2	250	10	330CRT, 260MRT, 3369LE, 3394RT	126TA5395
	On-none-off	2	250	15	3394RT, 67SL	126TA5394
	Off-(on)-none	2	250	12	1930ES, 330CRT, 260MRT, 3369LE, 3394RT	126TA5391
	On-off-none	2	250	12	CM2033, 150HAX, CM1432, 120HX, 100HX, CM20N	126TA5392
	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	147TA1660
	On-none-on	3	250	12	CM2033, CM1432, 26MRT, 100SX, 400RTS, 600A from serial n° 0300000000 to 0300099999	126TA4745

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	**126TA4743**
	On-off-on	3	250	15	530LRT, 3394/4394RT, LIFTLUX203-24, 67SL, 80SL	**147TA1666**
	Speciaal	6	250	10	CM2033, CM1432, 400RTS	**145TA1955**
	(On)-off-(on)	6	250	12	400S/450AJ, 400S/460SJ, 600A/AJ, LIFTLUX 203-24	**126TA5389**
	On-off-on	6	250	12	260MRT, 600A/AJ, 740AJ, 600SC/SJC, 450A/AJ, 400S/460SJ	**126TA4744**
	On-off	2	250	10		**147TA1694**
	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	**147TA2739**
	On-none-off	2	250	12		**147TA2739**

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	139TA5086
	On-none-on	3	250	12	600SC, 150HAX, CM1432, CM2033	146TA1783
	(On)-off-(on)	3	250	12	80F	126TA5380
	(On)-off-(on)	3	250	12	CM1432(PLUS)-2558, CM2033/2046/2546/255, 100HX/100HX+10/110HX	126TA5385
	On-off-on	6	250	10	80F, 40H/40H+6, 544D, 534D-9/10, CM20N/CM20W	145TA1947
	(On)-off-(on)	6	250	12	1230ES, 1930ES	126TA5388
	(On)-off-(on)	6	250	6	TOUCAN1010, TOUCAN910, V2642E, TOUCAN1210, TOUCAN870, TOUCAN800A, TOUCAN1310, TOUCAN800, TOUCAN 870	139TA5087

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

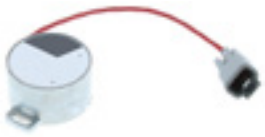
REF 139TA5060



- 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



- 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: 36 V
- Built-in diameter: 51 mm

REF 161TA1824

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



- 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: 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



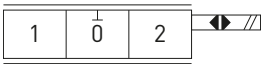
- Length: 38 mm
- Diameter: 41 mm
- Thread: 1/8" NPT
- Range: 0–160 bar

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



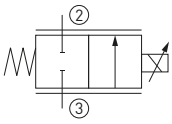
Voltage: 11–32 VDC

Used on 450AJ, 400S, 450A, 600A from serial n° 0300000000 to 0300099999, 800A, E600, 600S, 510AJ, 601S

REF 139TA5136

ELECTRIC CARTRIDGES



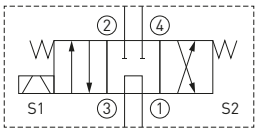


- Voltage: 12 VDC
- Diameter nose: 19,35 mm

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

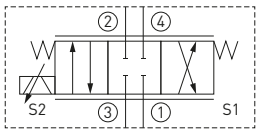


· Witdth across flats: 15,8 mm
· Length: 117 mm
· Diameter nose: 24 mm

Used on T350, 450A

REF 139TA5142



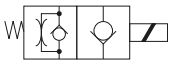


· Witdth across flats: 22 mm
· Length: 140 mm
· Diameter nose: 12,7 mm

Used on 600S, 25RTS, 450A, 600A from serial n° 0300000000 to 0300099999, 800A, E600, 450AJ, 800S, 400S, 510AJ, 680S, 601S

REF 165TA4104



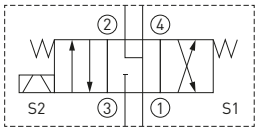


· Witdth across flats: 7/8"
· Length: 82,7 mm
· Diameter nose: 12,6 mm

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

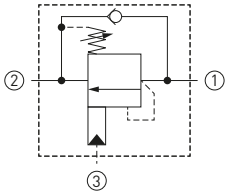


· Width across flats: 7/8"
· Length: 75,5 mm
· Diameter nose: 12,6 mm

Used on SL153-12E, 67SL

REF 165TA4105



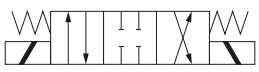


· Width across flats: 7/8"
· Length: 86 mm
· Diameter nose: 17,5 mm

Used on 1532E3 from serial n° 0200000000 to 0200999999, 3246E2, 1532E, 1532E2

REF 165TA4102





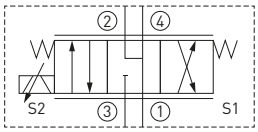
· Width across flats: 7/8"
· Length: 156 mm
· Diameter nose: 13 mm

Used on 1532E3 from serial n° 0200000000 to 0200999999, 3246E2, 330CRT, 1532E, 3369LE, 1532E2

REF 165TA4106

CARTRIDGE VALVES



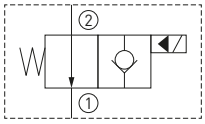


- Width across flats: 7/8"
- Length: 140 mm
- Diameter nose: 12,7 mm

Used on E300A, 450A, E45A, E400A, 450AJ

REF 161TA1296



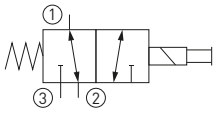


- Width across flats: 7/8"
- Length: 84 mm
- Diameter nose: 12,7 mm

Used on 1930ES

REF 139TA5137



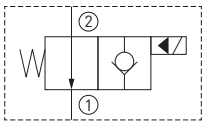


- Width across flats: 7/8"
- Length: 98,4 mm
- Diameter nose: 12,7 mm

Used on 30E, 30 Electric

REF 126TA5609



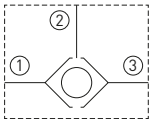


- Width across flats: 7/8"
- Length: 104 mm
- Diameter nose: 15,8 mm

Used on 330CRT, 260MRT, 3369LE

REF 160TA6370



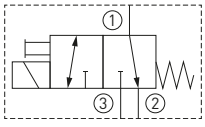


- Width across flats: 7/8"
- Length: 50 mm
- Diameter nose: 50 mm

Used on 120HX, 100SX, 100HX, 400RTS, 534D-9, 544D, G6-42P, 3394RT

REF 165TA4107



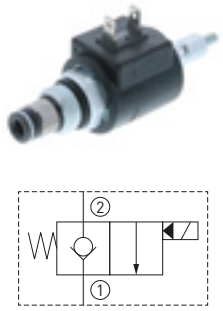
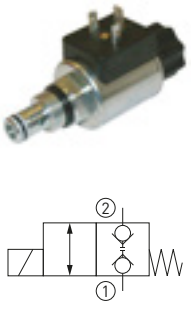


- Width across flats: 7/8"
- Length: 91 mm
- Diameter nose: 12,8 mm

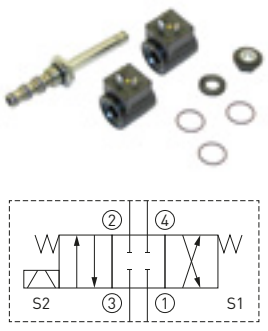
Used on 450A, 510AJ

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	**165TA4108**
	12	DC	5,1	44,2	20,5	61,4	25RTS, 400RTS	**139TA5141**
	12	DC	8,4	36,2	18,2	40	1250AJP	**138TA7284**
	12	DC	7,7	43,6	16,4	51	800S, 3394RT, 680S	**126TA5576**
	12	DC	7,7	43,6	16,4	51	800S, 680S	**165TA4109**

CARTRIDGES WITH COIL

	Voltage V	AC/DC	Resistance Ω	Diameter 1 mm	Diameter 2 mm	Length mm	Used on	REF
	12	DC	27			39	1250AJP	165TA4110
	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	126TA5575
	24	DC	28,7			47,3		139TA5140
	36	DC	90,5	33	13	37,5	1930ES	126TA5604

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 Ω
- 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 Ω
- Diameter: 33 mm
- Height: 37,5 mm

Used on 1930ES

REF 139TA5133



- Voltage: 12 V
- AC/DC: DC
- Resistance: 10,7 Ω
- 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 Ω
- 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 Ω
- 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 Ω
- 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 Ω
- Diameter: 43,6 mm
- Height: 51 mm

Used on 1532E3 from serial n° 0200000000 to 0200999999, 3246E2, 1532E, 1532E2

REF 126TA4792

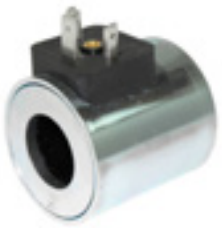


- Voltage: 12 V
- AC/DC: DC
- Resistance: 8 Ω
- Diameter: 44,8 mm
- Height: 36,5 mm

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

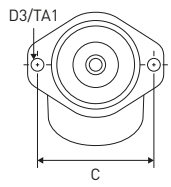
Used on E600

REF 165TA4128

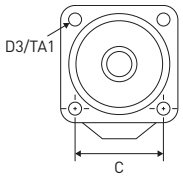
HYDRAULIC MOTORS

Type of flange

Type A

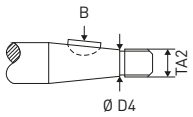


Type C

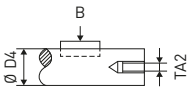


Type of shaft

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	**151TA1080**
	7/8" UNF	A	F	181	1532E3 from serial n° 0200000000 to 0200999999	**165TA4129**
	7/8" UNF	C	E	235	3246E2, 1532E3 from serial n° 0200000000 to 0200999999, 1532E2	**126TA5518**
	7/8" UNF	C	E	270	25RTS, 400RTS, 450A, 450AJ	**131TA6886**
	9/16" UNF	C	E	223	450A, 450AJ	**131TA6835**
	9/16" UNF	C	E	269	450A, E400A	**165TA4130**
	9/16" UNF	C	E	271	TOUCAN870, TOUCAN800A, TOUCAN800, TOUCAN861, TOUCAN 870	**165TA4131**

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	139TA5118
	24	0,8	120HX, 100SX, 600A from serial n° 0300000000 to 0300099999, 600SC, 3369ELECTRIC, 600S, 1500SJ, 1850SJ, 1200SJP, 1100SB, 601S, 400SC	165TA4139
	24	1	TOUCAN JUNIOR 6/8B, 13MSPT/TOUCAN DUO, TOUCAN JUNIOR 6, TOUCAN JUNIOR 8	165TA4140

HYDRAULIC PUMP GROUPS

	Electric motor VDC	Power kW	Used on	REF
	48	1,6	(N)30/35/40/45E	165TA4141
	24	3	TOUCAN800A, TOUCAN1010, TOUCAN 870	139TA5117
	24	3	E300A	105TA2721
	48	3,9	600S	165TA4142

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	122TA7877
	12	DC	Pull	Both sides	159,5		139TA5150
	12	DC	Pull	Both sides	196		122TA7879
	12	DC	Pull	Both sides	59,7	1250AJP, 400S, 1200SJP, 450A, 3394RT, 67SL, 1500SJ, 1100S, 800S, 680S, 600S, 800A, 1100SB	151TA2362
	12	DC	Pull	Both sides	71	260MRT	128TA3249
	12	DC	Pull	Both sides	85	3369LE, E600, E45A, E400A	139TA5149
	12	DC	Pull	Left side	129,5	40H/40H6, 120HX, 100HX+10/110HX	139TA5151

ENGINE STOP SOLENOIDS

	Voltage V	Type of current	Function	Mounting side	Length mm	Used on	REF
	12	DC	Pull	Without	82,7	800A, 600S	160TA5686
	12	DC	Push	Both sides	68,5	67SL	128TA3245
	12	DC	Push	Both sides	75	600A from serial n° 0300000000 to 0300099999, 26MRT, 400S, 450A, 600SC, 800A, 450AJ, 600S, 601S	152TA2531
	24	DC	Pull	Both sides	115	450A	165TA4160
	24	DC	Pull	Both sides	115	LIFTLUX 203-24, 80SL, 67SL	165TA4161
	24	DC	Push	Faston 6,3 mm	57,5	E400A, E600	165TA4162

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



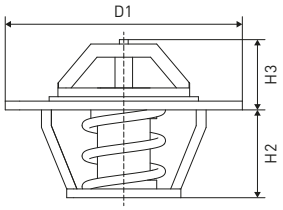
- Length: 189 mm
- Width: 102 mm
- Height: 176 mm

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



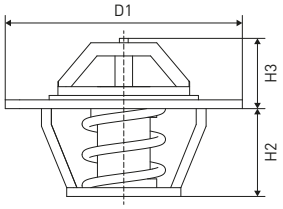


- Outer diameter (D1): 43,6 mm
- Height engine side (H2): 19,4 mm
- Height radiator side (H3): 18 mm
- Opening temperature: 71 °C

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
Air filters					
	121	77	291	LIFTLUX 203-24, 67SL, 80SL	**138TA7351**
	126	85	305		**124TA6995**
	134	67	225	600A/AJ, 740AJ, 600SC/SJC, 450A/AJ, 400S/460SJ	**145TA4504**
	134	67	225	600A/AJ, 740AJ, 600SC/SJC, 450A/AJ, 400S/460SJ	**165TA4179**
	142	117	470	30E, 450AJ	**165TA4180**
	159	92	310	1250AJP, 1500SJ, 1200/1350SJP, 1100SB	**165TA4181**
	164	86	202		**127TA2410**
	165	60	347,5	600A/AJ, 740AJ, 600SC/SJC, 450A/AJ, 400S/460SJ	**165TA4182**

FILTERS

	Outer diameter mm	Inner diameter mm	Height mm	Used on	REF
Oil filters					
	27,3	9	70	E/M450A/AJ, 3369/4069LE/M3369/4069, 800S/860SJ, 33/4069LE-M33/4069, E/M400-450A/AJ/AJP NARROW	**126TA5966**
	43,5	22	162	TOUCAN 800, TOUCAN 800A, TOUCAN 870, TOUCAN 861, TOUCAN 910, TOUCAN 1210, TOUCAN 1310, VM2639E, VM3242E	**165TA4183**
	44,5	19,5	131,5	1930ES, 1930/2030/2630/2643/3246ES	**126TA5009**
	45	11	130,4	6/10/1932/3248RS, 20/2632ES, 1930ES	**165TA4184**
	47	21	148	260MRT, 600A/AJ, 266/307/266LoPro, 740AJ, 450A/AJ, 400S/400SJ, 40H/40H+6, 800A/800AJ	**126TA5962**
	56	25	112	260MRT, 740AJ, 600SC/SJC, 400S/460SJ, 800A/800AJ	**128TA4271**
	56,5	25,6	111	1500AJP, 800S/860SJ, 1200/1350SJP, 680S, 1100SB, 1850SJ	**165TA4185**

FILTERS

	Outer diameter mm	Inner diameter mm	Height mm	Used on	REF
	60	34	148	800S/860SJ, 1500SJ, 1200/1350SJP, 1100SB, 680S	**128TA4288**
	60	34,5	209	400S/460SJ, 510AJ, 450A/450AJ, 450A/AJ SERIES II	**126TA5008**
	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	**139TA7866**
	77,5	17,4	84,5	400S/460SJ, 510AJ, 450A/450AJ	**165TA4186**
	93,5	17,4	180	3508/4017PS, 3507-9/12/13_4007-09/12/13, G9-43A/ G10-43A, G6-42A, G5-18A/2505	**127TA2848**
	93,7	23,2	134	450A/AJ, 3394/4394RT, 26MRT	**165TA4187**
	96,8	23,2	130	1532/2658E, 1532/3246E2, CM1432(PLUS)-25	**126TA5695**

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	165TA4188
	128	36,5	175		165TA4189
	128,5	36,5	170		165TA4190
	128,5	39,6	178		165TA4191
Fuel filters					
	64	45	129	3369LE, E600, E45A, E400A	165TA4192
	77	14,5	72	60HA, 450A/AJ SERIES II, 400S/400SJ, 25/33/40RTS, 520AJ, 400SC	152TA4138
	84	14,5	130	600A/AJ, 740AJ, 600SC/SCJ, 800A/800AJ	165TA3887

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

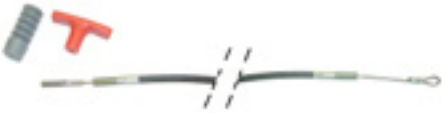


- Type: tie rod end with axial end
- Thread type: M28 x 1,5 mm
- RH/LH: RH
- Smallest diameter cone: 30 mm

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	**126TA5077**
	2230	1,6	2120	3394RT	**165TA4218**
	2285	1,5	2660	25/33/40RTS	**126TA5075**
	2840	2	2760	1930ES	**165TA4219**
	3460	1,6	3250	150HAX, 120HX, 100SX, 100HX	**126TA5756**
	3860	2	3765	1930ES	**165TA4220**
	3910	2	3825	26MRT, 1532E	**139TA5178**
	6000	2	5910	330CRT, 3369LE	**165TA4221**

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
- Witdh: 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

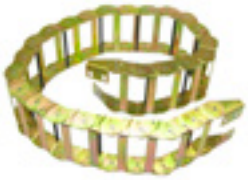
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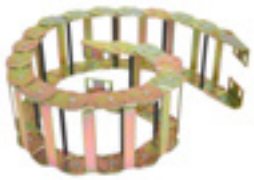
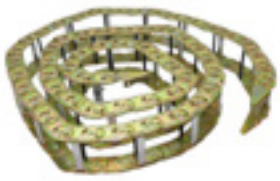
- Length: 301 mm
- Width: 130 mm
- Diameter: 12,5 mm

REF 126TA5775

CABLE GUIDES

	Outside dimensions mm	Inside dimensions mm	Material	Used on	REF
	187 x 51	177 x 39	Steel	600A/AJ	**165TA4233**
	148 x 51	140 x 39	Steel	680S, 800S	**165TA4234**
	149 x 52	136 x 38	Steel	510AJ	**165TA4235**
	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	**151TA1131**
	269 x 64	116 x 45	Plastic	800A	**126TA5489**
	197 x 64	180 x 44	Plastic	600S/600SJ/660SJ, 601S	**126TA5488**
	106 x 50	100 x 34	Plastic	TOUCAN 860, TOUCAN 861, TOUCAN 1100, TOUCAN 1100(A) (C)	**151TA1135**
	151 x 51	118,5 x 30	Steel	TOUCAN1100, TOUCAN861, TOUCAN860, TOUCAN1100A	**128TA4754**
	173,5 x 51	140 x 30	Steel	1200SJP, 1500SJ, 1100S, 1100SB	**126TA5485**

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	**126TA5487**
	151 x 51	136 x 38	Steel	510AJ	**165TA4236**
	155 x 52	115 x 39	Steel	VM2639E, TOUCAN1100, TOUCAN870, TOUCAN800A, TOUCAN800, TOUCAN861, V2039E, VM3242E, TOUCAN1100A, TOUCAN 870, TOUCAN 8E, TOUCAN 10E	**165TA4237**
	157,5 x 81	132,5 x 49	Steel	800S/860SJ, 680S	**165TA4238**
	167 x 81	143 x 49	Steel	600SC/SJC, 600S/600SJ	**165TA4239**
	116 x 45	116 x 45	Plastic	1230ES	**128TA4755**
	37,5 x 15,3	29,3 x 10	Plastic	TOUCAN1210, TOUCAN1010, TOUCAN1310, TOUCAN910, V2642E	**165TA4240**
	73,5 x 30	49 x 24	Plastic	450A, E400A	**151TA1141**
	84,5 x 32,5	58 x 28	Plastic	450A	**165TA4241**

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

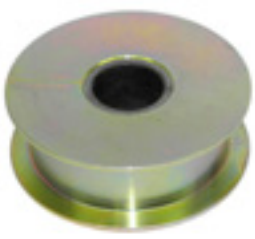
MAST ROLLERS UPRIGHT



- 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	**139TA5199**
	13,5	51	210	Plastic	600SC, 800S, 600S, 680S, 601S	**165TA4244**
	16	100	51	Plastic	3394RT	**165TA4245**

HOSE REEL SHEAVES

	Inner diameter mm	Outer diameter mm	Width mm	Material	Used on	REF
	60	164	27	Plastic	20AM, 15DVL, SSV10	165TA4246
	8	50	10,5	Plastic	SL153-12E, 67SL	139TA5193

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	165TA4248
	AE-pad with oval mounting flange	13,5	70	120,5	SL153-12E, 67SL	126TA4815
	AE-pad with oval mounting flange	13,7	63,5	117	340AJ, 600A/AJ, 450A/450AJ, 400S/460SJ, 510AJ, 33/4394RT	152TA3085
	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	165TA4249

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

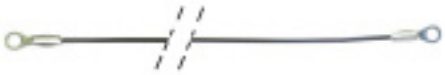


- Length: 637 mm
- Width: 26 mm
- Height: 5,2 mm

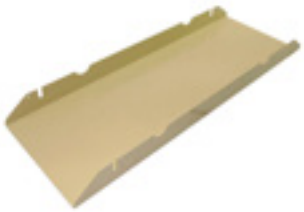
Used on H340AJ, M/E600/J/JP, G5-18A/2505H AGROVECTO, E/6450A/AJ, 3369/4069LE/ M3369/4069

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	**126TA4768**
	165	2,5	1930ES	**126TA5070**
	1535	2	600SC, 600S, 601S	**165TA4250**
	6530	7,94	600SC, 600S, 601S	**165TA4251**
	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	**165TA4252**

SUPPORTS

	Number of holes	Material	Used on	REF
	2	Metal	1930ES	165TA4255
	2	Metal	1230ES, 1930ES, TOUCAN 12E, TOUCAN 8E, TOUCAN 10E, SSV10	126TA5099
	2	Metal	1930ES	165TA4256
	2	Metal	450A, 510AJ	165TA4257
	2	Metal	510AJ, 450A/450AJ, 450A/AJ SERIES II	165TA4258
	3	Metal	1930ES	126TA5091
	4	Metal	450A, 1250AJP, 800A, 1200SJP, 800S, 400S, 600SC, 600A from serial n° 0300000000 to 0300099999, 600S, E600, 510AJ, 1500SJ, 1100S1850SJ, 1100SB	165TA4259
	4	Metal	3394RT	165TA4260

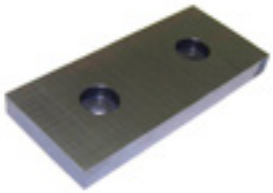
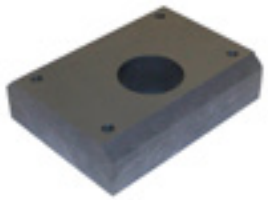
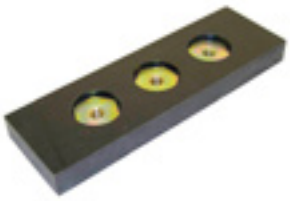
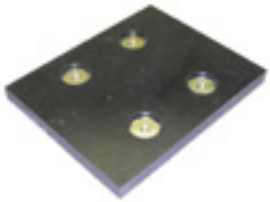
SUPPORTS

	Number of holes	Material	Used on	REF
	4	Metal	330CRT, 3369LE	165TA4261
	7	Metal	1930ES	165TA4262

WEAR PADS

	Length mm	Material	Used on	REF
	19	Plastic	3394/4394RT	139TA5205
	42,5	Plastic	1930ES	165TA4263
	55,5	Plastic	600A from serial n° 0300000000 to 0300099999, 800A, 1200SJP, E600, 800S, 600SC, 600S, 1500SJ, 1100S, 680S, 1100SB	165TA4264
	74	Plastic	E300A, 450A, E600, E45A, E400A, 450AJ, 510AJ	165TA4265
	77,5	Plastic	260MRT, 3394/4394RT, 33/4394RT, 3369/4069LE/ M3369/4069	139TA5202
	153	Plastic and steel	1930ES	127TA2694

WEAR PADS

	Length mm	Material	Used on	REF
	126,4	Plastic	20/2632ES, 1930ES, 1930/2030/2630/2646/ 3246ES	**139TA5201**
	127,5	Steel	600A from serial n° 0300000000 to 0300099999, 600SC, 800A, 1250AJP, E600, T350, 600S, 800S, 601S	**165TA4266**
	152,5	Plastic	800S, 600A from serial n° 0300000000 to 0300099999, 450A, 450AJ, 400S, 3394RT, 600S, 510AJ, 340AJ800A, 600SC, 680S, 601S	**165TA4267**
	203	Plastic and steel	1930ES	**139TA5179**
	203	Plastic	150HAX, 600A from serial n° 0300000000 to 0300099999, 400S, 450A, EASI-CLADDER	**165TA4268**
	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	**165TA4269**
	205	Plastic and steel	600SC, 800S, 600S, 680S, 601S	**165TA4270**
	230	Steel	30E, 450A, 600A from serial n° 0300000000 to 0300099999, 600SC, E45A, E400A, 450AJ, 600S, 30electric, 510AJ, 601S	**165TA4271**

BALL JOINT ROD ENDS

	Outer diameter mm	Inner diameter mm	Length mm	Used on	REF
	38	16	56	25RTS, 400RTS	**139TA5196**
	38	16	59	3246E2, 1532E2	**126TA5103**
	38,5	16	59	450A, 800A, 1200SJP, 1250AJP, 400S, 800S, 510AJ, 1500SJ, 1100S, 680S, 3394RT, 1100SB	**165TA4272**
	44,5	19	63	260MRT, 26MRT, 330CRT, 30E, 3369ELECTRIC, 30electric	**126TA5104**
	70	25,6	92,4	3246E2, 1532E2	**126TA5102**
	70,5	25,4	93	25RTS, 400RTS	**126TA5101**

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

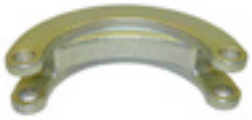


- Diameter: 124 mm
- Diameter holes: 13 mm

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

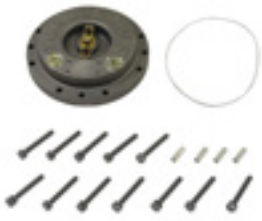
DIFFERENTIAL PARTS



- 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, 1250AJP, 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	**126TA5069**
	Push	1000	555	260MRT, E600	**165TA4304**
	Push	1100	430	600SC, 800A, 800S, 600S, G5-18A, 680S	**139TA5175**
	Push	400	325	260MRT, M/E600/J/JP	**103TA9832**
	Push	800	480	3394RT	**165TA4305**
	Push	930	760	1200SJP, 1250AJP, 1500SJ, 1100S680S, 800S, 600S, 800A, G10-55A, 1100SB	**165TA4306**

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

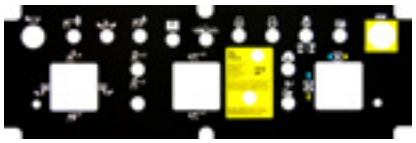
REF 123TA4899



- Length: 400 mm
- Height: 110 mm

Used on 1200/1350SJP

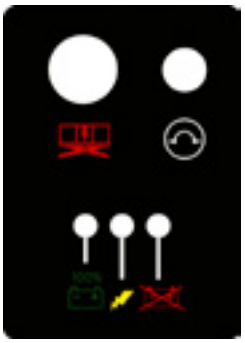
REF 126TA4183



- 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

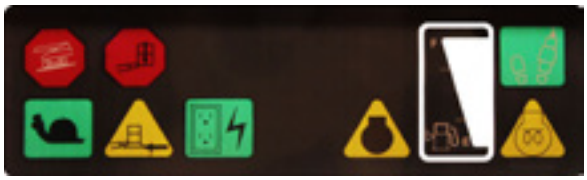
REF 126TA5126



- 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, 1250AJP, 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

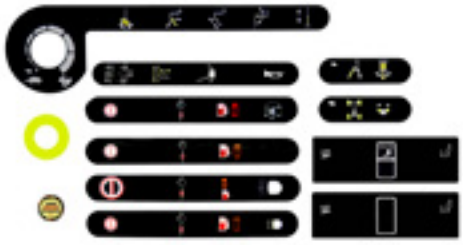
REF 163TA4046



- 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

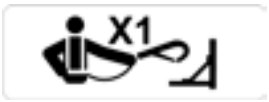


- Length: 410 mm
- Height: 110 mm

Used on E/M400/450A/AJ/AJP NARROW, E300A(J)(P), E/M600J/JP

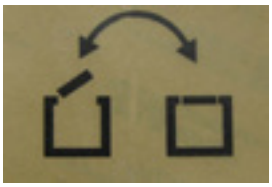
REF 162TA7804

DECALS



· Length: 44 mm
· Height: 19 mm

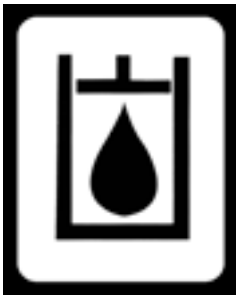
REF 126TA4169



· 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

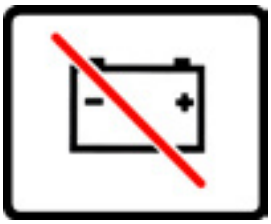
REF 107TA8029



· Length: 62 mm
· Height: 32 mm

Used on 1100SB, 1100S/SJP, 1200/1350SJP, 1250AJP, 1500AJP

REF 138TA2084



· Length: 64 mm
· Height: 50 mm

Used on H340AJ, X700AJ, X600AJ, X26JP/1/X770AJ

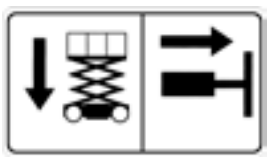
REF 123TA4658



· 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, 1250AJP, 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

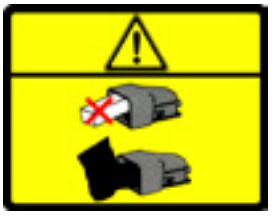
REF 138TA2683



· 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, 1250AJP, 600SC, 600A from serial n° 0300000000 to 0300099999, 600S, 1200SJP, 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

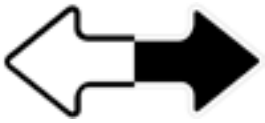
REF 139TA5207



- Length: 510 mm
- Height: 220 mm

Used on E600/J/JP-M600/J/JP, 740AJ, 800A/AJ, 800S/860SJ

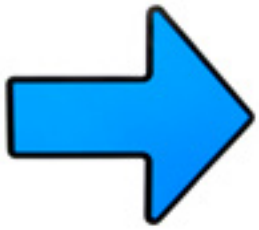
REF 138TA2678



- 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	165TA4337
	300	0	80	27,5	TOUCAN JUNIOR 6, TOUCAN JUNIOR 8, TOUCAN JUNIOR 6/8B, VM1931E, V1331E	145TA9131
	302	5	100	72		164TA1345
	302	5	99	72		164TA1344
	310	5	100	72	600A from serial n° 0300000000 to 0300099999	147TA2854
	310	5	99	72		151TA2325
	316	5	108	86	1532/3246E2, 1532/1932/2032/2632/ 2646/3246E2	165TA4338
	323	5	100	186	TOUCAN1100A	126TA5936

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	**126TA5139**
	323	5	100	187	R6, 6/10/1932/3248RS	**165TA4339**
	354	5	114	86	3369LE, E400A	**126TA5939**
	354	5	114	86	600A from serial n° 0300000000 to 0300099999, 67SL	**141TA4893**
	404	5	125	86	R10, 6/10/1932/3248RS	**165TA4340**
	406	4	126	85	TOUCAN1010, TOUCAN910	**165TA3947**
	406	4	127	28	TOUCAN1100A, TOUCAN1010, TOUCAN1100, TOUCAN910, V2642E	**145TA9140**
	406	5	125	186	1930ES	**151TA2438**

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	126TA5938
	406	5	127	95	SSV10	165TA3950
	406,5	5	127	86	3246E2, 1532E, 1532E3 from serial n° 0200000000 to 0200999999, CM1432, 1532E2	129TA9006
	559	9	152	203	E/M400/450A/AJ/AJP NARROW	165TA4341
	630	6	203	160	SL153-12E, SL180-12E	165TA4342
	635	9	171,5	203		165TA4343
	635	9	171	202	E300A, E300AJ, E300AJP	147TA2982

PNEUMATIC TYRES

	Dimensions of the tyre	Ply rating	Quality	Used on	REF
	10 x 16,5	10PR	TL = tubeless	330CRT/400CRT	**165TA4344**
	12 x 16,5	12PR	TL = tubeless	450A, 450AJ, 3394RT, 510AJ	**152TA1872**
	15 x 625	16PR	TL = tubeless	3369LE, E45A, E400A	**141TA3243**
	18 x 625	16PR	TL = tubeless	1532E, 1532E3 from serial n° 0200000000 to 0200999999	**126TA5934**
	240 x 55 x 17,5	12PR	TL = tubeless	100SX	**165TA4345**
	240 x 55 x 17,5	12PR	TL = tubeless	E400A	**165TA4346**

PNEUMATIC TYRES

	Dimensions of the tyre	Ply rating	Quality	Used on	REF
	33 x 15,5 x 16,5	12PR	TL = tubeless	100SX	**165TA4347**
	355 x 55 x 62	14PR	TL = tubeless	CM2033, CM1432	**152TA1860**
	385 x 65 x 22,5	16PR	TL = tubeless	800A	**161TA1355**
	445 x 55 x 19,5	16PR	TL = tubeless	800A/800AJ	**152TA1861**
	445 x 50 x 710	18PR	TL = tubeless	800A, 800S, 680S	**152TA1862**

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	**126TA5219**
	12	42	No	1932R, 20/2632ES, 1930ES, 1930/2030/2630/2646/3246ES	**126TA5714**
	12,5	39	No	1532/2658E, 1532/3246E2, 1532/2658E3, 1532/1932/2033/2046/2646, 2658E	**126TA5715**
	12,5	55	No	600A/AJ, 1932R, 1500AJP, 740AJ, 600SC/SJC	**126TA5044**
	25,4	195,4	No	600A/AJ, 600S/SJ/660SJ, 740AJ, 400S/460SJ, 800A/800AJ	**126TA5040**
	25,4	240	No	600A/AJ, 600S/SJ/660SJ, 800A/AJ, 450A/AJ	**126TA5039**
	25,4	280	No	H340AJ, 340AJ, 450AJ, 520AJ, E/M600/J/JP	**139TA5158**
	25,4	385	No	600A/AJ, 600S/SJ/660SJ, 800A/AJ	**139TA5156**
	31,7	243	No	3369/4069LE/M3369/4069	**126TA5041**

AXLES/PINS

	Diameter mm	Total length mm	Hardened	Used on	REF
	31,7	260	Yes	H340AJ, T350/T500J, M/E600/J/JP, 450AJ, 340AJ	**139TA5157**
	31,7	292,1	No	510AJ, M/E600/J/JP, E/M450A/AJ	**139TA5159**
	31,7	71	No	400S/460SJ, 400S/SJ, 340AJ, 3394/4394RT, 450A/AJ, 510AJ	**165TA4359**
	31,7	65	No	450A/AJ, 400S/400SJ, 400S/460SJ, 510AJ, 3394/4394RT, 450A/AJ SERIES II	**126TA5712**
	31,8	240	No	R10, 600A/AJ, 6/10/1932/3248RS, 740AJ, 600SC/SJC, 400S/460SJ, 800A/AJ	**139TA5160**
	32	255,5	No	400S/460SJ, 450A/AJ, E/M600J(P), 3394/4394RT	**126TA5035**
	38	78	No	600A/AJ	**126TA5713**
	38	250	No	520AJ, M/E600/J/JP, 450A/AJ, 800S/860SJ	**126TA5037**
	50,8	95	No	600S/SJ/660SJ, 740AJ, 800A/AJ	**126TA5036**

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	126TA5724
	25,5	52	20/25/30/36/41(AM), 15/20MSP/MVL, 12SP/15SP, 10MSP	126TA5727
	7,8	77,5	260MRT, T350/T500J, 600A/AJ, 1500JP, 530LRT, E/M600J/JP	126TA5723

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	**127TA2680**
	9,2	78,2		**127TA2702**
	6	57,7	R6, R10, 1932R, 6/10/1932/3248RS, 20/2632ES	**165TA4360**

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



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

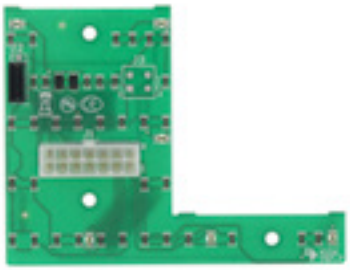
Used on 120 AETJ

REF 163TA8374

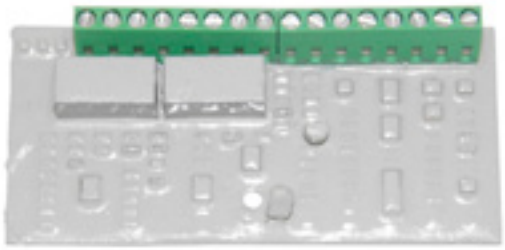
PRINTED CIRCUIT BOARDS



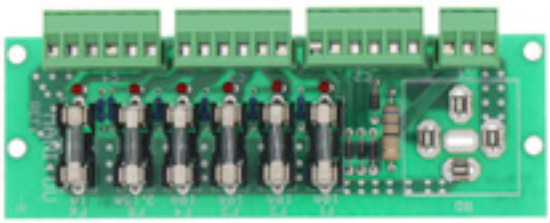
Electronic card



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 V	Maximum current interrupted A	Maximum current uninterrupted A	Magnetic blowouts	Dust cover	Used on	REF
	12	80	80	No	Enclosed version	150ATS2, 150TP, 160ATJ, 165ATJ, 165ATJS, 180ATJ, 200ATJ, 260TJ, 280TJ	**163TA8455**
	24	150	150	No	Yes	120AETJ Compact2	**163TA8406**
	24	150	200	Yes	Enclosed version	120AETJ, 150AETJL Bi-Energy, 170AETJL Bi-Energy	**160TA3449**

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	**164TA1119**
	Mini-relay	12	DC	40/30	160ATJ E3, 160ATJS E3, 180ATJ2 E3	**136TA8355**
	Mini-relay	24	DC	20/30	100XEL, 150VJR, 105VJR2, 110VJR2, 120XEL, 80VJR, 80XEL, 90V AIR	**163TA8472**
	Printed circuit board	24	DC	12	105VJR, 105VJR2, 110VJR2, 120AETJ, 120TH, 150AETJL, 170AETJL, 80VJR	**163TA8339**
		24	DC	80	120AETJ COMPACT	**163TA8345**

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 mm²
- 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	163TA8310
	1/4" BSP x 19 Pi	2 x blade	Signal	Settable	55,5	80V, 80VR, 80VJR, 105VJ, 105VJR, 105VJR2, 110VJR2	163TA8316
	1/4" BSP x 19 Pi	2 x blade	NO	Settable 15–150	53,8	80VJR, 105VJR, 105VJR2, 110VJR2	163TA8334
	1/4" BSP x 19 Pi	2 x blade	NO	112	55	80VJR, 105VJR, 105VJR2, 110VJR2	163TA8319
	1/8" BSP x 28 Pi (conical)	1 x screw	NO	0,5	35	160ATJE3, 180ATJ2	163TA8357
	M10 x 1 mm	1 x fixed connector	NO	0,5	61	150TP, 160ATJ, 160ATJPLUS, 180ATJ, 200ATJ	163TA8340

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, 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

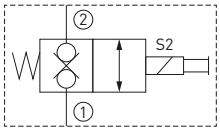
Used on 80VJR, 105VJR2, 110VJR2

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	**163TA8394**
	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	**164TA6936**
	12	DC	7,5	13	39	MHT 790/MHT X790, MHT780/X780, MRT2540+/MRT-X2540+, MRT2150 E3 PRIVILEGE, MRT2150+/-MRT-X215	**164TA6935**
	24	DC	15,2	16,2	50,2	105VJ, 105VJR, 105VJR2, 110VJR2, 80V, 80VJR, 80VR	**164TA1136**
	24	DC	17,5	19,3	56		**131TA8240**
	24	DC	19,8	13	47	80V, 80VR, 80VJR, 105VJ, 105VJR, 105VJR2, 110VJR2	**131TA8378**
	24	DC	28	13	40	28EVM, 80VJR2/110VJR2, 105VJ(R)/80V(R)	**164TA6933**
	24	DC	28	36,5	40	150/170AETJL BI ENERGY, 120/150/170AETJL	**164TA6934**
	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	**131TA8276**

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 coltage 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	**164TA1137**
	24		4,5	100VJR EVOLUTION, 80VJR EVOLUTION, 90V AIR	**164TA1132**
	48			120AETJ, 120AETJ COMPACT, 120AETJL, 150AETJ COMPACT, 150AETJL, 170AETJL	**164TA1125**
	48	2800	2,06	120AETJ, 120AETJ COMPACT, 150AET, 150AET2, 171AET	**164TA1124**

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, 150ATS2O, 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 ATJPLUS, 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/BTI220/225-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

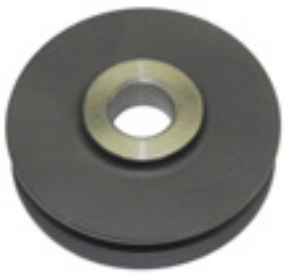


- Voltage: 12 V
- Current: 90 A

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

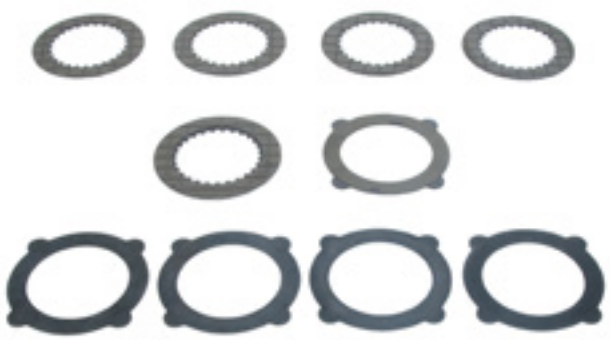
REF 163TA8438



- 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, 150ATS2O, 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, 150ATS2O, 150TP, 160ATJ, 160ATJS, 165ATJ, 165ATJS, 180ATJ, 180ATJ E3, 180ATJS E3

REF 163TA8398

POTENTIOMETER



- Resistance: 11 Ω
- 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	**163TA8292**
	100	Plastic	80/100VJR EVOLUTION	**164TA6937**
	100,5	Plastic	105VJ, 105VJR, 105VJR2, 110VJR2, 80V, 80VJR, 80VR	**163TA8330**
	140	Plastic	160ATJ, 160ATJPLUS, 180ATJE3, 160ATJE3, 200ATJ,	**163TA8300**
	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	**163TA8328**
	150	Plastic	160/180ATJ(S)(2)E3(RC), 160ATJ/180ATJ (RC)(S) EURO3, 150/170AETJL BI ENERGY, 120AETJ C	**163TA8332**
	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	**163TA8332**
	90	Plastic	150AET-170AET	**164TA6941**

GAS SPRINGS



- Type: push type
- Force: 350 N
- Centre distance: 365 mm

Used on 120AE, 150ATS, 150ATS2, 150ATS2O, 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, 150ATS2O, 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	**163TA8285**
	790	1150	120 AETJ L, 150AETJL, 150AETJL BI ENERGY, 170AETJL, 170AETJL BI ENERGY	**163TA8309**
	1070	710	105VJR, 105VJR2, 110VJR2	**163TA8466**
	1230	780	80/100VJR EVOLUTION	**163TA8325**
	1230	805	100VJR EVOLUTION	**151TA1632**
	1250	540	MLT635T/MT940-1740, MT1335-1745(H)SLT, 1645HSLT/ MT940-1740	**164TA6922**
	1250	1250	100VJR EVOLUTION, 90V AIR	**163TA8327**

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	**163TA8382**
	1420	1020	160ATJ, 160ATJS, 180ATJ	**163TA8377**
	1530	1020	105VJ, 105VJR, 105VJR2, 110VJR2, 80V, 80VR	**163TA8467**

SAFETY CAGES



- Length: 1080 mm
- Width: 770 mm
- Height: 1150 mm

REF 164TA6925



- Length: 1120 mm
- Width: 930 mm
- Height: 1240 mm

Used on 80VJR EVOLUTION, 100VJR EVOLUTION

REF 164TA1127

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

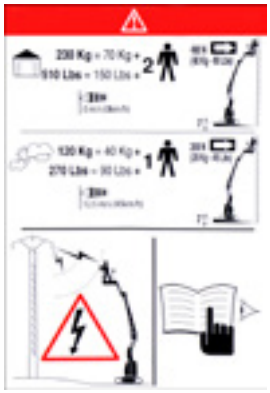
REF 163TA8346



- 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

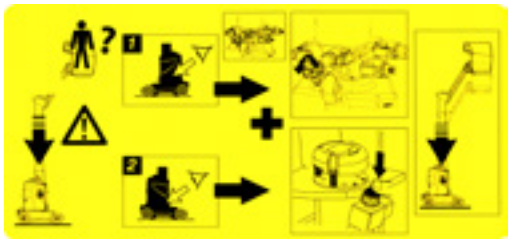


- Length: 168 mm
- Height: 195 mm

Used on 105VJR, 105VJR2

REF 138TA2831

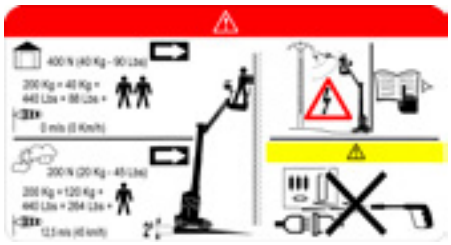
DECALS



- 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

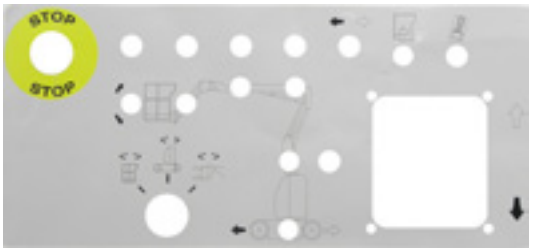
REF 163TA4964



- 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

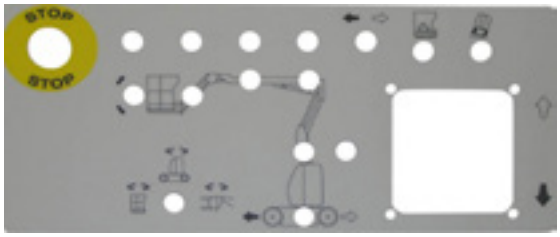
REF 139TA1698



- Length: 290 mm
- Height: 130 mm

Used on 105VJR, 105VJR2, 110VJR2, 80VJR

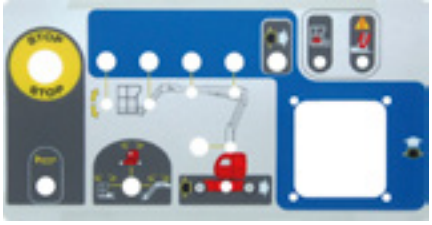
REF 126TA4653



- Length: 290 mm
- Height: 130 mm

Used on 120AETJL, 120AETJ COMPACT

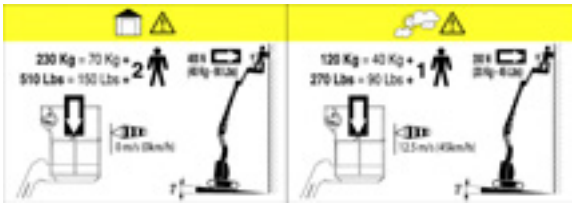
REF 138TA2708



- Length: 299 mm
- Height: 159,5 mm

Used on 120 AETJL, 150AETJ COMPACT, 160AETJL, 170AETJL

REF 163TA1738

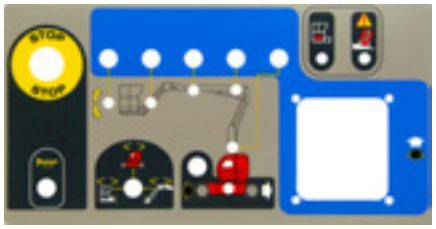


- Length: 300 mm
- Height: 105 mm

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 COMPACT

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

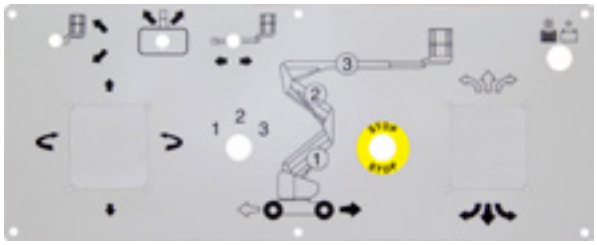
REF 139TA2888



- Length: 491 mm
- Height: 92 mm

Used on 160ATJE3, 160ATJ PLUS, 160ATJ PLUS E3, 160ATJS E3, 180ATJ E3, 180ATJS E3

REF 163TA6746

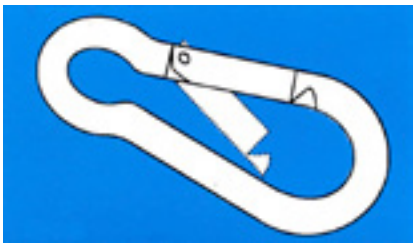


- Length: 500 mm
- Height: 200 mm

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

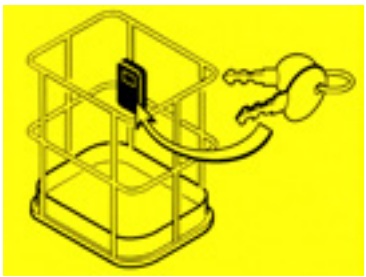
REF 163TA1137



- 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	**163TA8384**
	405	127	4	85	100XEL/120XEL	**161TA2719**
	406	127	5	85	80ELX/100ELX/120ELX, 80EX	**165TA4372**
	406	127	0	33	80/100VJR EVOLUTION	**160TA5700**
	590	188	5	110		**164TA6921**

TRACTION WHEELS

	Diameter wheel mm	Width wheel mm	Number of bolt holes	Diameter shaft mm	Used on	REF
	600	190	5	110	120AETJ COMPACT2	**163TA8298**
	600	190	6	160	120 AETJL, 150AETJL COMPACT, 150AETJL, 170AETJL	**163TA8295**
	600	190	6	162	120AETJ COMPACT2	**163TA8385**

AXLES/PINS

	Diameter mm	Length mm	Hardened	Used on	REF
	25	142	No	150AET2, 150ATT	**163TA8408**
	39,3	114	No	160ATJ, 160ATJPLUS, 160ATJ PLUS E3, 160ATJS, 180ATJ, 180ATJ E3, 180ATJS E3, 200ATJ	**163TA8306**

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

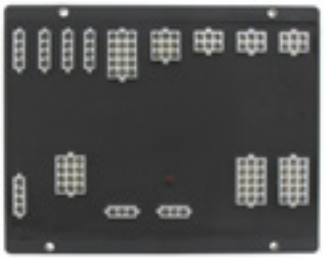
REF 147TA6834



Voltage: 48 VDC

REF 147TA6829

PRINTED CIRCUIT BOARDS



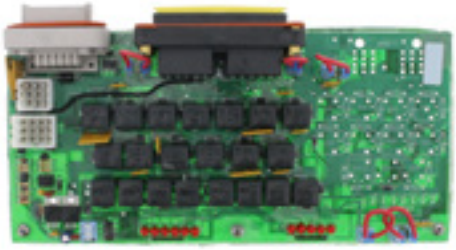
Controller system



Circuit board



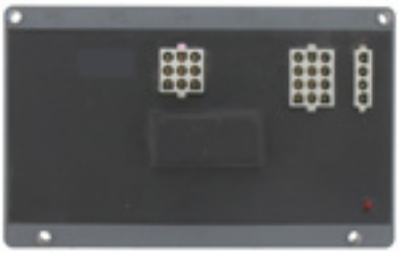
Circuit board



Circuit board

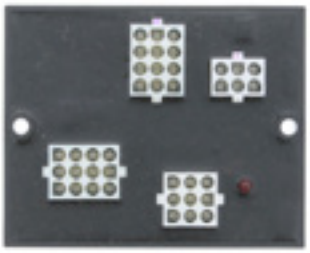


Control board lower

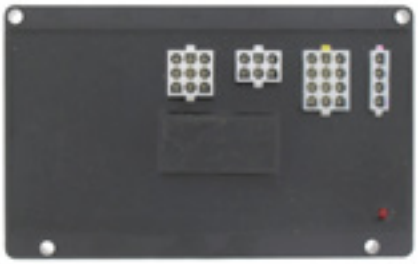


Electric outrigger controller

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 mm²
- Type of loom: multiple cables
- Total length: 1455 mm
- Number of plugs: 2

REF 147TA6622



- Cable type: < 6 mm²
- Type of loom: multiple cables
- Total length: 2315 mm
- Number of plugs: 3

REF 147TA6782



- Cable type: < 6 mm²
- Type of loom: multiple cables
- Total length: 2760 mm
- Number of plugs: 17

Used on 2033/2033RS

REF 147TA6783



- Cable type: < 6 mm²
- Type of loom: multiple cables
- Total length: 2820 mm
- Number of plugs: 2

REF 147TA6779



- Cable type: < 6 mm²
- 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 Ω
- Connections: 2
- Number of NO contacts: 1

REF 147TA6688



- Voltage: 24 V
- AC/DC: DC
- Current: 200 A
- Resistance: 85,2 Ω
- 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 Ω
- 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 V	Current A	Revolutions/ minute rpm	Power kW	Used on	REF
	24	180	2800	3		147TA6700
	24	42	3000			147TA6696
	24	82	3000	1,47	2033/2033RS	147TA6699
	36	171	4000	5,07		147TA6697
	48	77	3000	2,94		147TA6694

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

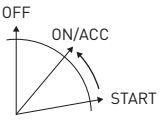


- Length: 108 mm
- Diameter: 17 mm

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	**164TA1580**
	2	3	250	12	2033/2033RS, 3072 4WD	**147TA6870**
	2	2	125 VAC	5	2033/2033RS, 3072 4WD, 3072RT/3772RT	**147TA6861**
	2	2	250 VAC	9	2033/2033RS	**147TA6864**
	3	3	125/250 VAC	12/10	3072RT/3772RT, 3072 4WD, 2033/2033RS	**146TA9110**
	3	3	125/250 VAC	12/10		**146TA9109**

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

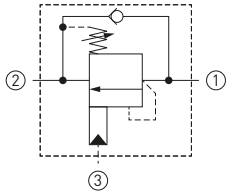
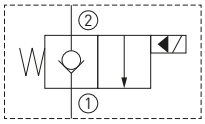
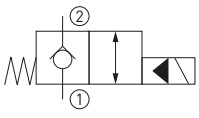
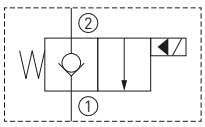
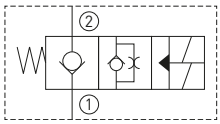


- Length: 102 mm
- Voltage: 24 V
- Detection: 4,5°

Used on 3072 4WD

REF 147TA6880

CARTRIDGE VALVES

	Drawing	Width across flats Inch	Length mm	Diameter mm	Used on	REF
			104,2	20		147TA6501
		1	115,2	15,8		147TA6708
		1	117	15,8	2033/2033RS	163TA7910
		1	55,6	15,8	2033/2033RS	147TA6751
		22,4	106	35,8		147TA6717
		7/8	101,4	12,7		163TA7909
		7/8	106	12,7	3072RT/3772RT	147TA6702
			113	12,8	3072RT/3772RT	147TA6707

COILS

	Voltage V	AC/DC	Resistance Ω	Diameter mm	Height mm	REF
	12	DC	9,2	13,2	37,4	**147TA6706**
	24	DC	30,8	13	45	**147TA6710**
	24	DC	42,5	33	37	**147TA6508**
	36	DC	58,3	13	51,8	**147TA6709**

COUPLING



- Height: 15 mm
- Diameter: 14,2 mm

REF 147TA6812

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		147TA6743
	820	3000	2033/2033RS	147TA6737
	565	3000	2033/2033RS	147TA6738
	1200	3000		147TA6734
	1420	3000		147TA6739
	1720	3000		147TA6741
	440	3000	2033/2033RS	147TA6735
	711,2	3000	2033/2033RS	147TA6736
	940	3000		147TA6745

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		147TA6760
	131	82,5	CW	Aluminium		147TA6500
	131	82,5	CW	Metal	3072/3772RT	147TA6486
	88	45,2		Metal		147TA6759
	88	45,2	CCW	Metal	2033/2033RS	147TA6761

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

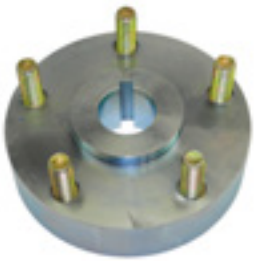
REF 147TA6844



- 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

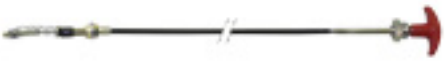


- Pitch: 15,88 mm
- Type of chain: simplex roller chain
- Pin diameter: 5,08 mm
- Total width: 20,3 mm
- Total length: 1,16 m

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	147TA6778
	2130	1,5	2045		147TA6773
	2610	1,5	2455	2033/2033RS	147TA6772
	2630	1,3	2447		147TA6774

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

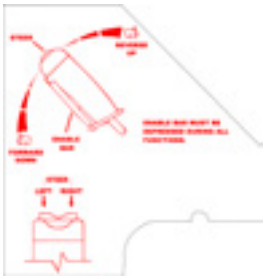
REF 147TA6719

DECALS



· Length: 102 mm
· Height: 101 mm

REF 147TA6797



· Length: 148 mm
· Height: 155 mm

Used on 2033/2033RS, 3072RT/3772RT

REF 147TA6790



· Length: 172 mm
· Height: 190 mm

Used on 3072RT/3772RT

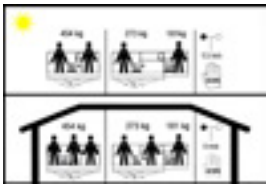
REF 147TA6620



· Length: 178 mm
· Height: 120 mm

Used on 3072RT/3772RT

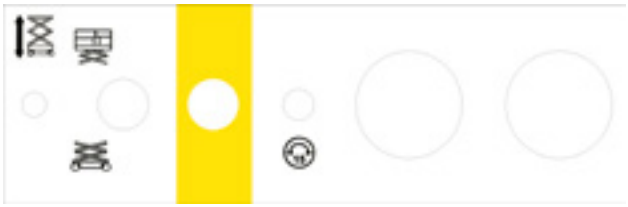
REF 147TA6621



· Length: 248 mm
· Height: 170 mm

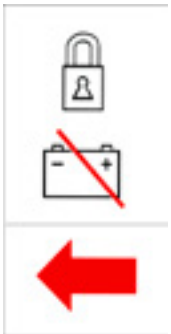
Used on 3072RT/3772RT

REF 147TA6606



· Length: 315 mm
· Height: 100 mm

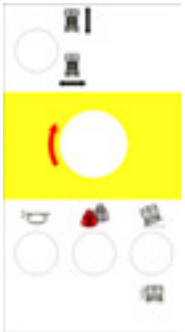
REF 163TA7202



· Length: 50,5 mm
· Height: 67 mm

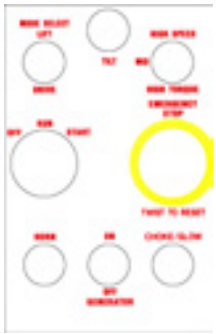
Used on 3072RT/3772RT

REF 163TA7205



· Length: 84 mm
· Height: 156 mm

REF 147TA6786



· Length: 98 mm
· Height: 155 mm

REF 147TA6519

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	147TA6626
	12,7	42,8	No	147TA6633
	25,4	50,8	Yes	147TA6634

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



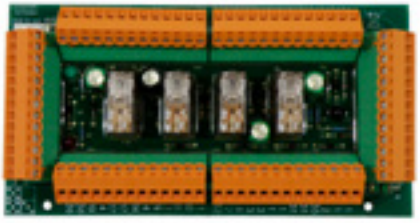
Throttle



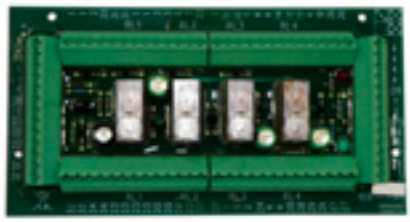
Assembly 24 V clack fully



Assembly clack fully load



Assembly control fully load

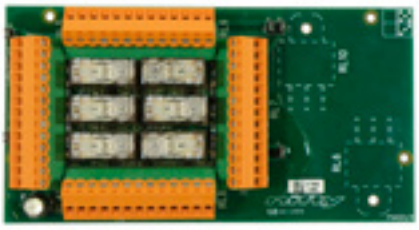


Assembly control 24 V fully load





24 V

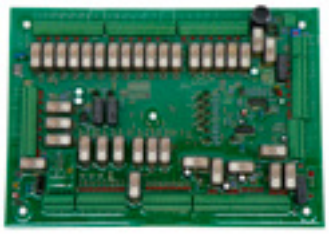




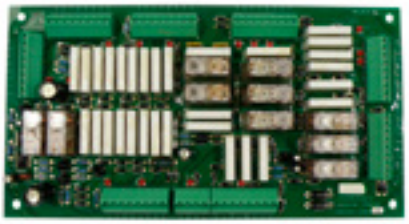


Cage control

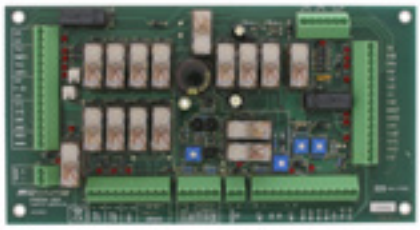
PRINTED CIRCUIT BOARDS



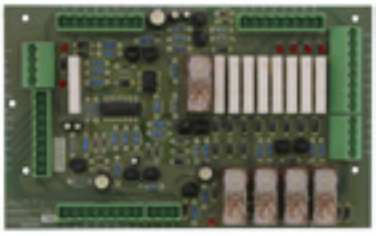
Main control



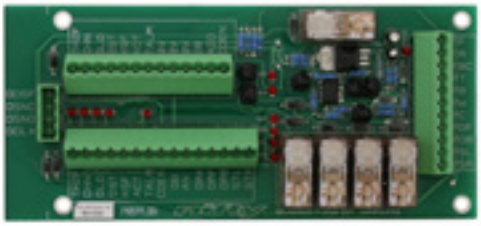
Base



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	151TA1622
	12	150	200	No	170/TM50, HR10/HR12, SD170/SD50, 120H(TM34H), 120(TM34)-120M/H/T/TM	151TA1875
	24	150	200	No	120(TM34)	151TA1874
	48	200	200	No	SD170, 120H(TM34H), HR12, 120T, 170/TM50, 120(TM34), HR10, 170	151TA1876

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)	151TA1646
	24	200	3300	3	CCW	120H(TM34H), HR12, 120(TM34), 170	151TA1877

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



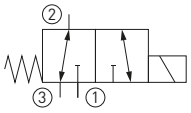
- Diameter: 17 mm
- Length: 78 mm

Used on 120H(TM34H), 120T, HR10, SD170, 170

REF 151TA1647

CARTRIDGE VALVES



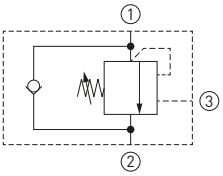


- Width across flats: 27 mm
- Total length: 113 mm
- Diameter: 16 mm

Used on 120H(TM34H), HR10-DC, 120T, 170/TM50, 120(TM34), SD170, 170

REF 151TA1878



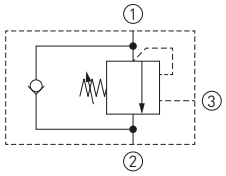


- Width across flats: 25 mm
- Total length: 75,5 mm
- Diameter: 17,5 mm

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

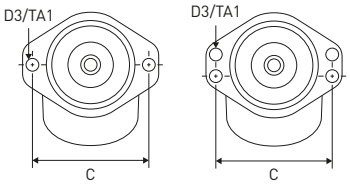
HYDRAULIC PUMPS

	Total length mm	Neck diameter mm	Direction of rotation	Material of the housing	Used on	REF
	171	82,5	CW	Aluminium	HR15N/17N	151TA1684
	178,5	82,5	CCW	Aluminium	HR21, 210SD	161TA8448
	91,7	12	CCW	Aluminium	HR12, 170/TM50, 120(TM34), 170	151TA1686
	96		CCW	Aluminium	120H(TM34H), 120T, HR10, SD170, 170	151TA1888
	196	25,4	CW	Aluminium	120H(TM34H), HR12, 170/TM50, 120(TM34), 170	151TA1687
	214,4	82,5	CW	Aluminium	HR12, HR10, SD170	151TA1688

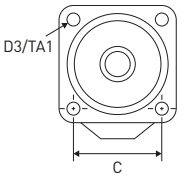
HYDRAULIC MOTORS

Type of flange

Type A



Type C

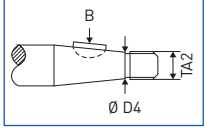


Type S
Special shape, none of the previous types

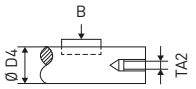
Type Z
Without flange

Type of shaft

Type E



Type F



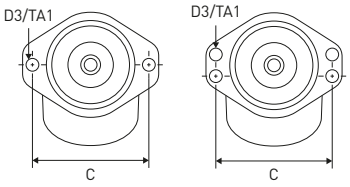
Type S
Special type

	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	151TA1679
	7/8" UNF x 14 Pi	S	E	259	HR12, HR10-DC	151TA1680
	7/8" UNF x 14 Pi	C	E	301	HR12, HR10-DC	151TA1887
	7/8" UNF x 14 Pi	C	E	301,5	HR12	151TA1681
	1/2" BSP x 14 Pi	A	S	148	HR12, 170/ TM50, 120(TM34), SD170	151TA1770
	3/8" BSP x 19 Pi	Z	F	160	210, 120H(TM34H), 120T	150TA9840

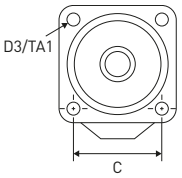
HYDRAULIC MOTORS

Type of flange

Type A



Type C

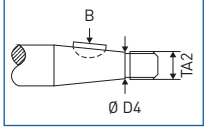


Type S
Special shape, none of the previous types

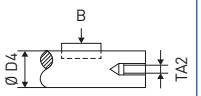
Type Z
Without flange

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	**151TA1674**
	1/2" BSP x 14 Pi	A	F	191	120H(TM34H)	**151TA1645**

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
Air filters					
	104	63	256	HR21 4X4, HR21/SP64, 210SD/SD64	**127TA1048**
	88	48	185	HR15N/17N, HR15/17, 210/TM64, SD170/SD50	**127TA1923**
	112	53	42	170/TM50, HR10/HR12, HR12, 120(TM34)-120M/H/T(TM34/H/T)	**164TA1075**
	87	43	178	210/TM64	**164TA1070**
	101	41,5	167	HR12, HR10/HR12, SD170/SD50, HR12, 120H(TM34H), HR10DC, 120T	**164TA1066**
	125	60,3	72,5	HR10/HR12, SD170/SD50, HR12	**164TA1072**
Oil filters					
	50,75	24,5	71,3	HR15/17	**151TA1580**
	128,8	39,6	176	HR21 4X4	**163TA8659**

FILTERS

	Outer diameter mm	Inner diameter mm	Height mm	Used on	REF
	51	24,5	71,5	HR28 4X4, HR15/17	**163TA8661**
	70	30	130	HR15/17	**152TA3202**
	128,5	39,6	178	HR15N/17N, HR21 4X4	**164TA1074**
	128,3	39,6	175	210/TM64, HR21/SP64, 210SD/SD64	**161TA8464**
	50	15,3	97	170/TM50, HR10/HR12, SD170/SD50, 120T	**163TA8667**
	96,2	24,6	140	HR12, 170/TM50, SD170/SD50, HR10/HR12	**152TA2826**
	20	17	127	170/TM50, HR10/HR12, SD170/SD50, 120T	**164TA1071**
	51	24	202	HR28 4X4, HR28/SP85 4X4	**163TA8668**

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)	**164TA1076**
	65	32	295	HR28 4X4, HR28/SP85 4X4	**163TA8671**
	84	18,5	75	HR15N/17N, HR15/17, 210/TM64, SD170/SD50	**145TA5962**
	68,5	18,5	85	HR28, HR15/17, HR28/SP85 4X4	**164TA1069**
	31	13,5	32	120T	**164TA1068**
	85	18,5	78	HR21 4X4, HR21/SP64, 210SD/SD64	**139TA5975**
	62,6	15,32	16	170/TM50, HR10/HR12, SD170/SD50, 0120H(TM34H), 120T	**129TA7968**
	47,2	16,8	25	120T, 170/TM50	**164TA1067**

FILTERS

	Outer diameter mm	Inner diameter mm	Height mm	Used on	REF
Fuel filters					
	32	6	119	170/TM50, HR10/HR12, 120T	**164TA1073**
	44,2	8	101,5	HR28 4X4, HR15/17, HR28/SP85 4X4	**163TA8680**
	51	9,5	102	HR15N/17N, HR21 4X4, HR15/17, 210/TM64, HR21/SP64, SD170/SD50, 210SD/SD64	**140TA8988**
	58	32	144	HR10/HR12, SD170/SD50	**163TA8664**
	42	38	62	170/TM50, HR10/HR12, SD170/SD50, 120T	**163TA8672**
	84	18,5	74	HR28 4X4, HR21 4X4, HR15/17, HR21/SP64, 210SD/SD64	**152TA2817**

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	**151TA1883**
	87	Plastic	210, HR10, HR21, 210SD	**151TA1656**
	120	Plastic	120T, 170/TM50, 120(TM34), 120H(TM34H), HR10, SD170, 170	**151TA1655**
	160	Plastic	HR15/17N, HR21, HR28, 150T, 210, 210SD	**161TA8433**
	280	Plastic	170/TM50, SD170, 170	**151TA1882**
	281	Plastic	210/TM64	**151TA1578**

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



Figure 1:
- Length: 90 mm
- Height: 100 mm
- Holes: 5 x M8 x 1,25 mm

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

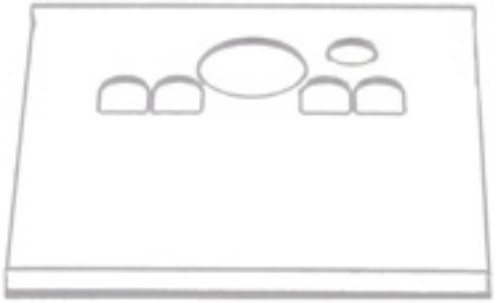
REF 151TA1748



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

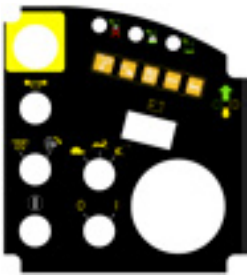
REF 151TA1725



· Length: 45 mm
· Height: 45 mm

Used on HR21, HR15

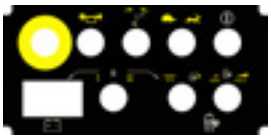
REF 151TA1738



· 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

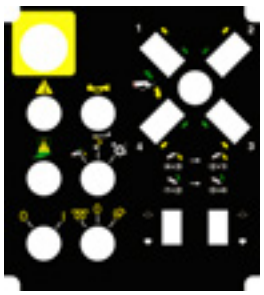
DECALS



- Length: 600 mm
- Height: 200 mm

Used on 120T(TM34T), 120H(TM34H), 120(TM34), HR21, 90, 170, 210

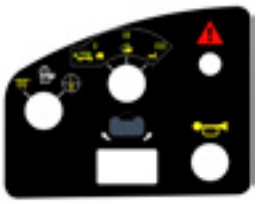
REF 151TA1727



- 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

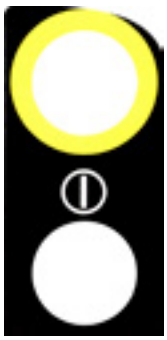
REF 151TA1724



- 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

USED ON NIFTYLIFT

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	151TA1586
	18	114	151TA1594
	18,5	40	151TA1589
	25	202	151TA1588
	25	166	151TA1590
	30	176	151TA1596
	30	140	151TA1592
	40	367	151TA1585

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



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

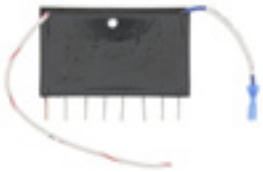
PRINTED CIRCUIT BOARDS



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

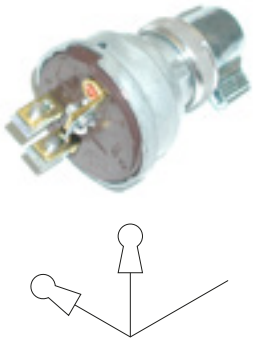


- Type of fuse: with push button
- Voltage: 50 VDC/250 VAC
- Current: 10 A

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
General purpose and power relay					
	12	DC	10	SJ9241/9250RT, SJ8831/8841RT, SJ9250RT, SJ9250	**124TA8981**
	12	DC	10	SJ9241/9250RT, SJ9241/50, SJ8831/8841RT, SJ9250RT, SJ9250	**124TA8982**
	230	AC	10	3220/6832, COMPACT3015/3219SJ, 3220/6832SJIII SERIES, SJIII3220/6832	**125TA3366**
	24	DC	3	SJLB12	**165TA4378**
Mini relay					
	24	DC	15/20	SJM SERIES, SJII SERIES, SJ8831E/41E, 6826/6832, 6826E/6832E	**151TA2246**
	12	DC	40/30	SJ9241/9250RT, SJ8831RT/SJ8441RT, SJ9250RT, 9250	**111TA4969**
	12	DC	70	SJ46AJ/SJ51AJ, SJ63AJ, SJ40Y/SJ45T	**164TA1321**
Cylindrical shaped					
	24		20	SJ9241/9250RT, SJ8831RT/SJ8441RT, 9250, SJ9250	**144TA5227**

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 mm²
- 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 mm²
- 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	**151TA2005**
	24	40	3000	0,7	CW/CCW (reversible)	SJM SERIES	**151TA2001**
	24		3100	3	CW	SJIII3215/3219, SJ3220/4632, SJ3215/3219, SJ3220/26-4260/26	**151TA2002**
	24		3100	3	CW	6826/6832, SJ6826/6832, 3220/3226, 3220/4632, 3220M/3226M, SJ3220/4632, SJ3215/3219	**164TA1281**

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, SJIII3220/26-4620/26

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	127TA2546
	6,35 mm FASTON	3	1	2	15		146TA4199
	Solder connection	3	1	2	3	SJ9250, SJ8831/41, 7027/SJ600 SERIES, 8831(F)/8841(F)SJ-800, 3220/6832, SJII SERIES	164TA1159
	Solder connection	3	1	2	10,1	SJ9241/9250RT, SJ9250RT, SJ9241/50, SJ8841RT, SJ6826/6832RT, SJ6832RTE	165TA4380

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	**164TA1252**
	On–on	3	125/250/277	10	SJ8831/41E, SJ6826/6832RT, SJ12, SJ12/16, 6826E/6832E SJIII SERIES	**151TA2256**
	On–on	3	125/250/277	12	SJ46/51AJ, SJ63AJ, SJ82/SJ86T	**165TA4382**
	On–off–on	3	125/250	10	SJ9241/9250RT, SJ8831/8841RT, SJM SERIES, SJII SERIES	**164TA1153**
	On–off–on	6	125/277	10	SJ46/51AJ, SJ63AJ, SJ82/86T, SJ61/66T	**164TA1368**

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	**164TA1250**
	Off–on	4	125/250	15	SJ9241/9250RT, SJ8831/8841RT, SJ9250RT, SJ9250, 9250, SJ9241/50RT	**164TA1238**
	On–on–(on)	6	125/250	10	SJ9241/9250RT, SJ46/51AJ, SJ82/86T, SJ9250RT	**165TA4383**

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	**165TA4385**
	7/16" UNF	1 loose connector	Standard	138	70	SJ8831/8841RT, SJ8831/41E, SJ8831/41, SJ7127/35-8243-8850, SJIII3215/SJIII3219, 3220M/3226M	**164TA1307**
	7/16" UNF	1 loose connector	Standard	200 (3000 psi)	69	SJ9241/9250RT, SJ8831/8841RT, SJ9250RT, SJ9241/50RT, SJ9241/50	**164TA1308**
	7/16" UNF	1 loose connector	Standard	86	70,3	SJ3220/4632, SJIII3220/26-4620/26, 3220M/3226M, 3220/3226	**164TA1309**

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



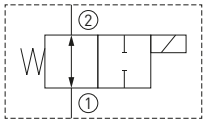
- Voltage: 10–80 VDC
- Built-in diameter: 50,7 mm
- Number of digits: 6

Used on 9241/9250RT, SJM SERIES, SJII SERIES, SJ8831/8841RT

REF 151TA2226

CARTRIDGE VALVES



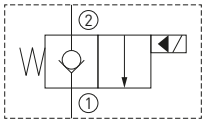


- Width across flats: 22,4 mm
- Length: 93 mm
- Diameter: 12,7 mm

Used on SJII SERIES, 9250, SJ9241/50RT, SJ8831/41RT, SJ8831/41

REF 164TA1155



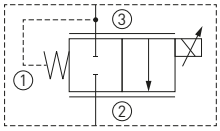


- Width across flats: 22,2 mm
- Length: 75,4 mm
- Diameter: 12,7 mm

Used on SJ9241/9250RT, SJ8831/8841RT, SJM SERIES, SJII SERIES

REF 151TA2011



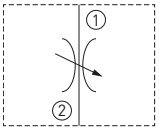


- Width across flats: 27 mm
- Length: 131,6 mm
- Diameter: 15,8 mm

Used on SJII SERIES, 3220/6832, 3220/3226, 3220/4632, 3220/3226M

REF 164TA1248



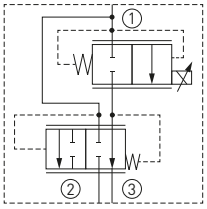


- Width across flats: 25,4 mm
- Length: 70,5 mm
- Diameter: 15,8 mm

Used on SJM SERIES, SJII SERIES, 9250, 6826/6832, SJIII3215/3219, SJ3215/3219, 3220/6832

REF 151TA2013



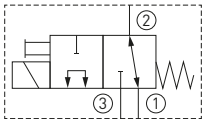


- Width across flats: 27 mm
- Length: 131,6 mm
- Diameter: 15,8 mm

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

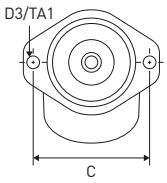
Used on SJIII SERIES, 6826/6832, 6826/6832E, SJ6826/6832, 3220/3226, 3220/3226M, 3220/6832,

REF 151TA2086

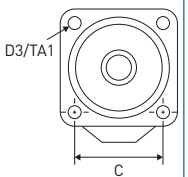
HYDRAULIC MOTORS

Type of flange

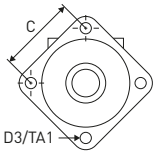
Type A



Type C



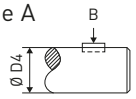
Type F



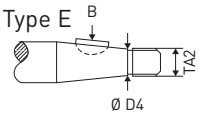
Type S
Special shape, none of the previous types

Type of shaft

Type A



Type E

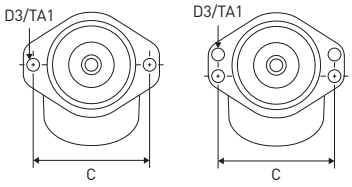


	Thread connection	Type of flange	Type of shaft	Total length mm	Used on	REF
	7/8" UNF	C	E	301		164TA7257
	7/8" UNF	C	E	239	SJIII SERIES, 3220/6832, 3220/4632, 3220/3226M	131TA6830
	7/8" UNF	A	A	266	SJ9241/9250RT, SJ8831/8841RT, SJ9250RT, 9250, SJ9250, SJ9241/50RT, SJ9241/50	131TA6823
	7/8" UNF	F	E	250	COMPACT 3215/3219 SJIII, COMPACT 3015/3219 SJIII	151TA2079

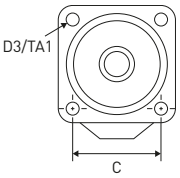
HYDRAULIC MOTORS

Type of flange

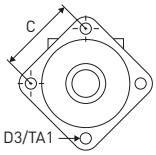
Type A



Type C



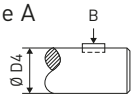
Type F



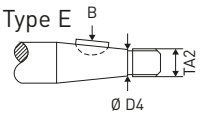
Type S
Special shape, none of the previous types

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	**151TA2081**
	1 1/16" UNF + 7/16" UNF	C	E	340	SJ6826/6832RT, SJ832RTE, 6826/6832RT	**151TA2083**
	7/8" UNF	C	E	208,5	SJIII3215/3219, SJ12, SJ12/16	**165TA4390**

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	**164TA1246**
	12	DC	Pull	Both sides	71	9250, SJ9250, 7127/8850, SJ8831/41, SJ600/800/1000, SJ800/900/1000, 7127-9250 SJ600/800/900/1000	**151TA2221**
	12	DC	Pull	Both sides	128,7	7027/SJ600 SERIE, 7127/7135, 7127/9250 SJ600 SERIES, 7127/9250 SJ-RT SERIES	**135TA2497**
	12	DC	Pull	Both sides	132	SJ9241/9250RT, SJ881/8841RT, SJ9250, SJ9241/50RT, SJ8831/41RT, 6826/6832RT	**135TA2488**
	12	DC	Pull	Both sides	150	SJ8831/8841RT, 9250, SJ9250, SJ9241/50	**151TA2223**
	12	DC	Push	Left side	105	6826/6832RT, SJ6826/6832RT	**151TA2222**

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
Air filter					
	89,8	45	179	SJ9241/9250RT, SJM SERIES, SJII SERIES, SJ9250RT, 9250, SJ8831/41RT	**147TA5885**
	191	146	377	VR-642D, VR-1044D	**164TA1369**
	165	93	348	SJ82/86T, SJ63AJ, SJ61/66T, SJ40/45T	**147TA5860**
Oil filter					
	70	29	80	SJ9241/9250RT, SJ8831/8841RT, SJM SERIES, SJII SERIES, SJ9250RT, 9250	**145TA6278**
	78	78	170	SJ9241/9250RT, SJ8831/8841RT, SJM SERIES, SJII SERIES	**147TA5866**
	83	18,5	100	9250, SJ9250, SJ7027/7135 SJ60, SJ8831/41, 7127/9250 SJ600/800/1000	**147TA5879**
	95,3	32,8	155,6	SJ61/66T, SJ46/51AJ, SJ40/45T	**147TA5839**
	98	23,2	145	6826/6832RT, SJ6832RTE, 6826/6832	**147TA5868**
	129	36,5	170	SJ61/66T, SJ0/45T	**147TA5841**

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 m
- 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

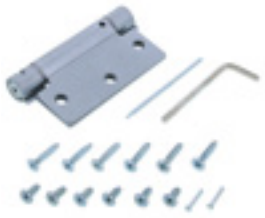
HINGES



- 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

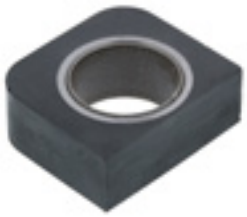


Kit

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

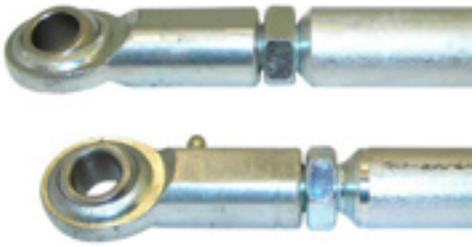


- Outer diameter: 38 mm
- Inner diameter: 28 mm
- Height: 32 mm

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

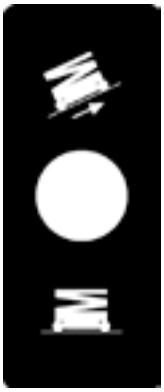
REF 163TA3361



· 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

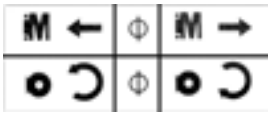


· Length: 25 mm
· Height: 60 mm

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

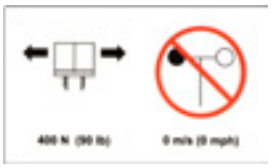
REF 151TA2162



· Length: 19 mm
· Height: 31 mm

Used on SJII SERIES, 6826/6832, 3220/6832, 3220/3226, 3220/3226M, 3220/6832

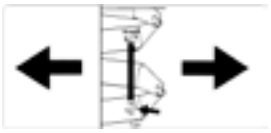
REF 151TA2168



· 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

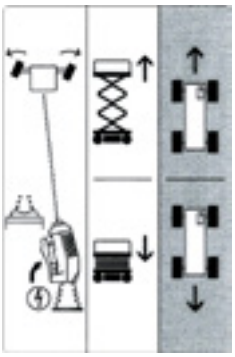
REF 151TA2181



· Length: 203 mm
· Height: 56 mm

Used on 9250, SJ9250, SJ9241/50, SJ8831/41E, SJ8831/41, 6826/6832RT, SJ6826/6832

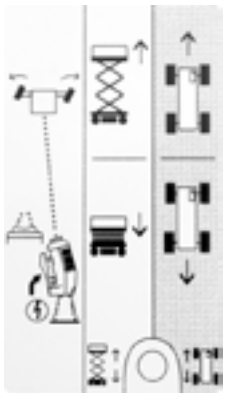
REF 151TA2184



· Length: 50 mm
· Height: 76 mm

Used on SJ8831/41E, 6826/6832, 3220/4632, 3220/3226M, 3220/4632 SJIII SERIE, 3215/6832 SJIII SERIES

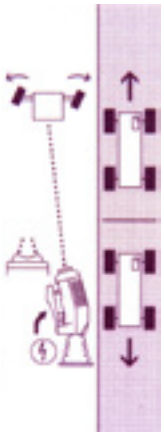
REF 138TA2531



· 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

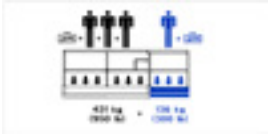
DECALS



- 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

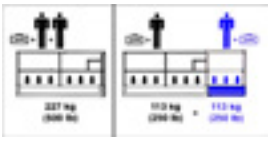
REF 165TA4405



- 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

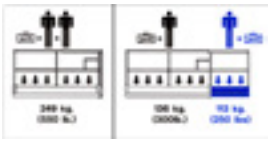
REF 151TA2176



- Length: 152 mm
- Height: 76 mm

Used on 3220/3226, 3220/3226M, SJ3220/4632, SJIII3220/4632, 3215/6832 SJIII SERIES

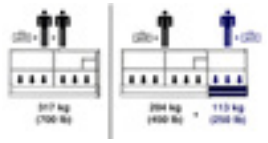
REF 163TA4573



- 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

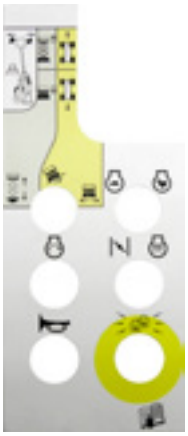
DECALS



· 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

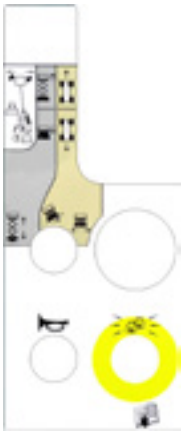
REF 151TA2175



· Length: 123 mm
· Height: 278 mm

Used on SJIII3215/3219, SJ3215/3219, SJ3220/4632, SJIII3220/4632, SJIII3220/26-4620/26

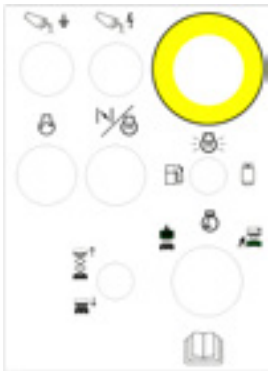
REF 151TA2145



· 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	164TA1212
	310	100	5	72	SJM SERIES, SJIII3215/3219, COMPACT 3215/3219 SJIII, 3015/3219 SJIII SERIES	147TA2854
	310	310	5	72	SJM SERIES, SJIII3215/3219, COMPACT 3215/3219 SJIII, 3015/3219 SJIII SERIES, SJ3215/3219	151TA2325
	402	124	5	85	3220/3226, 3220/4632, 3220/3226 SJIII, 3220/4632 SJIII SERIE, 3215/6832 SJIII SERIES, 3220/3226M	141TA4897
	406	128	5	86	3220/3226, 3220/4632, 3220/3226 SJIII, 3220/4632 SJIII SERIE, 3215/6832 SJIII SERIES, 3220/3226M	129TA9043

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	**164TA1345**
	300	300	5	72	SJ3215/3219	**164TA1346**
	302	302	5	72	SJIII3215/3219, SJ12/16, SJ12	**164TA1344**
	406	127	5	86	SJIII3220/4632, SJIII3220/26-4620/26	**164TA1350**

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	**165TA4410**
	19	158,3	No	SJII SERIES, 6826/6832, SJ6826/6832, 6826/6832E, SJ3220/4632, SJIII3220/4632, SJIII3220/26-4620/26	**151TA1945**
	19	75	No	SJIII3215/3219, SJ3215/3219, COMPACT 3215/3219 SJIII, 3215/3226 SJIII SERIES	**151TA1937**
	38	68	No	6826/6832RT, SJ6832RTE, 6826/6832	**151TA1949**

LOCKING PINS



- Diameter pin: 3/8"
- Total length: 2 1/4"

Used on SJ9241/9250RT, SJ8831/8841RT, SJM SERIES, SJII SERIES, SJ63AJ, SJ9250RT, 9250

REF 145TA1959



- Diameter pin: 3/8"
- Total length: 2 5/8"
- Length tether: 5/8"

Used on SJ9241/9250RT, SJ8831/8841RT, SJ9250RT, 9250, SJ9241/50, SJ9241/50RT

REF 151TA2058



- Diameter pin: 3/8"
- Total length: 1 11/16"
- Thread: 5/8" UNC

Used on SJ9241/9250RT, SJ8831/8841RT, SJII SERIES, SJ9250RT, SJ8831/41E

REF 151TA2219

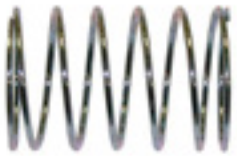
PRESSURE SPRINGS



- 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

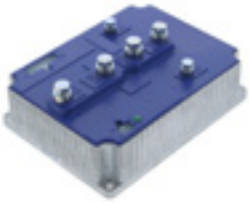
REF 165TA4425



- 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

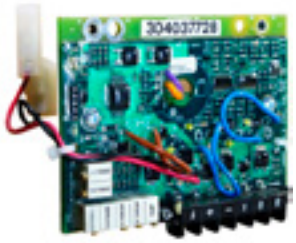
Used on SEC153, SE133/SE153

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

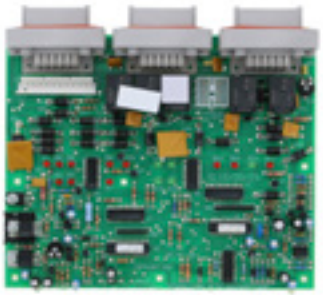
PRINTED CIRCUIT BOARDS



Module control

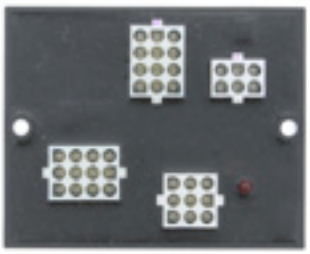


Printed circuit board assy (platform controller)





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	**103TA1619**
	24		Yes		UNO41E, UNO33E, SL25	**111TA3539**
	24	120	No		A38E, AB38	**152TA2169**
	24	200	No	Enclosed version	S3370BE/ S2770RT, S1930E/ S1932E, S2646/S3246	**111TA4054**
	36–48		No		UNO41E, UNO33E	**106TA2088**
	48		No		A38E, A38	**164TA7104**
	24	200	Not specified	Enclosed version	S1930, SL19E	**106TA1645**

ENCODER



- Shaft length: 13 mm
- Number of pins: 2

Used on A38E, AB38

REF 164TA7446

CABLE LOOMS



- Cable type: < 6 mm²
- Type of loom: multiple cables
- Total length: 12 m
- Number of plugs: 4

REF 164TA7334



- Cable type: < 6 mm²
- Type of loom: multiple cables
- Total length: 11,4 m
- Number of plugs: 2

Used on SL20, SL19, S2033

REF 165TA4428



- Cable type: < 6 mm²
- Type of loom: multiple cables
- Total length: 670 mm
- Number of plugs: 6

Used on S1930E/S1932E

REF 165TA4427



- Cable type: < 6 mm²
- Type of loom: multiple cables
- Total length: 1870 mm
- Number of plugs: 2

Used on SL26SL/SL30SL

REF 165TA4429



- Cable type: < 6 mm²
- Type of loom: multiple cables
- Total length: 2550 mm
- Number of plugs: 6

Used on TM12, M1230E

REF 164TA7335

CONTROL CABLE



- Cable type: < 6 mm²
- Type of loom: multiple cables
- Total length: 3100 mm
- Number of plugs: 3

REF 165TA4430

USED ON SNORKEL

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	165TA4433
	24	162	3600	3	SL19, SL19E,SL20, SL25, S1930	165TA4434
	48				A38E, AB38	164TA7129
	24	162	3600	3,09	SL20	150TA9959
	48		1000	4	A38E, AB38	164TA7130
	24	162	3600	3,1	SL15	122TA7776

ELECTRIC MOTORS

	Minimum voltage V	Current A	Revolutions/ minute Rpm	Power kW	Used on	REF
	48	108	2700	5,45		**164TA7128**
	24	180	3100	3	TM12, M1230e	**165TA4435**
	48	40	2700	1,6	UNO41E, UNO33E	**122TA7775**

REDUCTOR HUBS



Diameter: 242 mm

Used on A46JRT

REF 165TA4436



Diameter: 242 mm

Used on A38E, AB38

REF 164TA7496

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

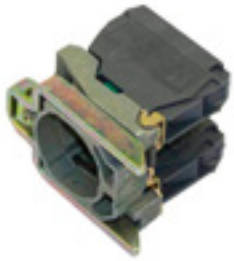


- Diameter: 39 mm
- Length: 28 mm
- Button colour: black

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



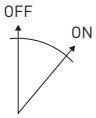
- Number of positions: 2
- Voltage: 240 V
- Current: 10 A
- Built-in dimensions: 40 x 30 mm

Used on S3370BE/S2770RT, SR2584/SR3284/SR4084, SLH2584HD/SLH3284HD/ SLH40, SR2770, SRT2670

REF 164TA7616

IGNITION SWITCHES



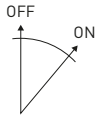


- Number of connections: 2
- Number of positions: 2
- Built-in diameter: 19 mm

Used on Barecat, S1930E/ S1932E, SL15, SL19, SL20, SL25, TV15/TV20/TV25, S2646/ S3246, S2545

REF 165TA4438



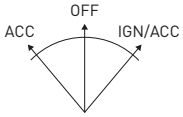


- Number of connections: 3
- Number of positions: 2
- Built-in diameter: 17 mm

Used on X26N, M-2032/2639-J, A38E, AB38

REF 164TA7402

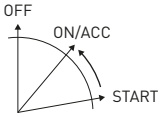




- Number of connections: 3
- Number of positions: 3
- Built-in diameter: 19 mm

REF 141TA2635



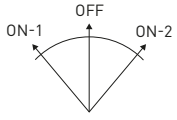


- Number of connections: 3
- Number of positions: 3
- Built-in diameter: 20 mm

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



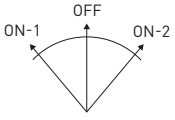


- Number of connections: 4
- Number of positions: 3
- Built-in diameter: 21,5 mm

Used on S1930E/S1932E

REF 165TA4439



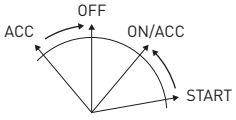


- Number of connections: 4
- Number of positions: 3
- Built-in diameter: 22 mm

Used on PRO100/PRO126, ATB60, TB60, TB60, A46JE, A46JRT, S1930E/S1932E

REF 110TA3077



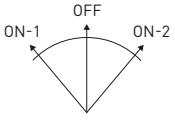


- Number of connections: 4
- Number of positions: 4
- Built-in diameter: 19 mm

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



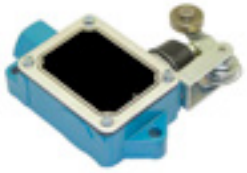
- Key number: 523
- Number of supplied keys: 1

Used on SR2584/SR3284/ SR4084, SLH2584HD/ SLH3284HD/SLH40, UNO33D/G 4X4, UNO41D/G, TB80J/TB85J

REF 165TA4442

USED ON SNORKEL

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 UNO41E, UNO33E

REF 165TA4449

METER DASHBOARD



- Ammeter: 0–30 A
- Built-in diameter: 50,5 mm

Used on SL15, SL19, SL19E, S2033, S2545

REF 161TA1555

USED ON SNORKEL

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

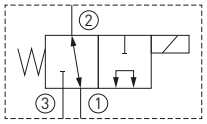
Used on S1930E/S1932E, S1930, SL19E

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



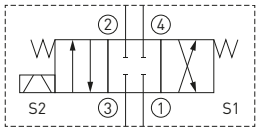


- Width across flats: 22,2 mm
- Length: 107 mm
- Diameter: 13 mm

Used on TB42/TB50, TB37, ATB60

REF 165TA4451



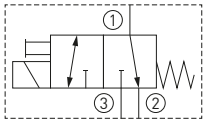


- Width across flats: 22,2 mm
- Length: 140 mm
- Diameter: 16 mm

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

USED ON SNORKEL

COIL CARTRIDGE VALVES



- Voltage: 10 V
- AC/DC: DC
- Resistance: 7,3 Ω
- Diameter: 33 mm

Used on AB60JRT, UNO41D/G, UNO33D/G, TB80J/TB85J, TBA60

REF 131TA8387



- Voltage: 12 V
- AC/DC: DC
- Resistance: 5,3 Ω
- 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 Ω
- Diameter: 36 mm

Used on AB46E, AB46RT, A46JE, A46JRT

REF 165TA4457



- Voltage: 24 V
- AC/DC: DC
- Resistance: 29,1 Ω
- 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

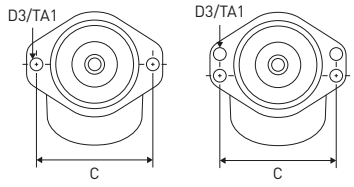
Used on S2646/S3246

REF 165TA4469

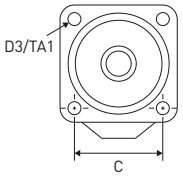
HYDRAULIC MOTORS

Type of flange

Type A



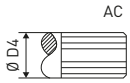
Type C



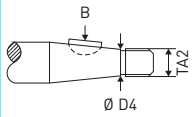
Type S
Special shape, none of the previous types

Type of shaft

Type B



Type E

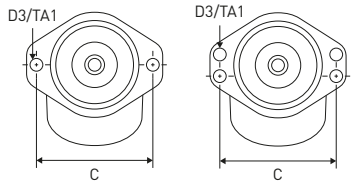


	Thread connection Inch	Type of flange	Type of shaft	Total length mm	Used on	REF
	1 1/16 UNF + 7/16 UNF	C	E	389	SR3370/SR2770, S3370BE/S2770RT	165TA4462
	1 1/16 UNF + 9/16 UNF	A	B	305	TBA60, TB42/TB50, PRO66, TB37, TBA50RD	165TA4463
	1 1/16 UNF	C	E	335	S3370BE/S2770RT, S3370/S2770	165TA4464

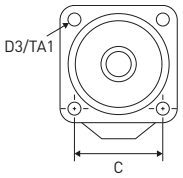
HYDRAULIC MOTORS

Type of flange

Type A



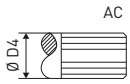
Type C



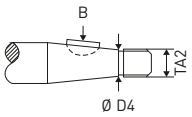
Type S
Special shape, none of the previous types

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		**131TA6819**
	7/8 UNF	C	E	205	S1930E/S1932E, SL19E, S1930	**165TA4465**
	9/16 UNF	S	E	205	TM12, M1230E	**164TA7258**
	7/8 UNF	C	E	299	S2646/S3246	**165TA4466**
	7/16 UNF	S	B	431	A46JE, A46JRT	**165TA4467**

HYDRAULIC PUMPS

	Total length mm	Neck diameter mm	Direction of rotation	Material of housing	Used on	REF
	121	45,2	CCW	Aluminium	S1930E/S1932E	165TA4470
	164	82,5	CW	Aluminium	A46JRT	165TA4471
	79	32	CW	Aluminium		165TA4472
	96	51	CW	Aluminium	SL15, SL25, ATB46E, ATB33/ATB38	165TA4473
	119,5	50,8	CW	Aluminium	S1930	165TA4474
	103	45,2	CCW	Aluminium	TM12, M1230E	165TA4475

HYDRAULIC PUMP GROUPS

	Electric motor VDC	Power kW	Used on	REF
	12	0,24	TB37, PRO126	**165TA4476**
	12	0,24	TB66J, ATB60, TB60, TB00J, TB126J	**165TA4477**
	24		S1930/S1932E	**165TA4478**
	24		TM12, M1230E	**165TA4479**

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 UNO33E, UNO41E

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

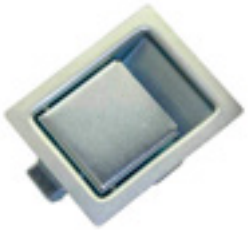
REF 127TA2695 – LH



- 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	**165TA4488**
	152,5	Plastic	TB50RD, TB120, TB37, ATB60, TBA80, TBA60, TBA42/TBA50	**165TA4489**
	127	Plastic	TM12, M1230E	**164TA7195**

CABLE GUIDE



- Outside dimensions: 90 x 35 mm
- Inside dimensions: 77 x 26 mm
- Material: plastic

Used on UNO33D/G 4X4, UNO41E, UNO33E, TB42/TB50, TB60, PRO66, TB66J

REF 165TA4490

CONTROL CABLES

	Cable length mm	Diameter cable mm	Length sleeve mm	Used on	REF
	2800	2	2640	SL20, SL25, S2033, S2545	**165TA4491**
	2170	2	2030	SL26SL/SL30SL	**164TA7313**
	2230	2	2180	S3370BE/S2770RT	**165TA4492**
	2354	2	2315	S3370BE/S2770RT, SR3370/SR2770	**165TA4493**
	7050	2	6970	S3370BE/S2770RT, SR3370/SR2770	**165TA4494**

CAP



- Vented
- For fuel tank

Used on SL26SL/SL30SL, S3370BE/S2770RT, SR2584/ SR3284/SR4084

REF 165TA4495

DECALS



- Length: 101 mm
- Height: 36 mm

Used on S1930E/S1932E, S1930, SL15, SL20, SL25

REF 163TA5555



- Length: 108 mm
- Height: 118,5 mm

Used on S3370BE/S2770RT, EPV16, AB80J-AB85(R) J-A80J-A, SR3370/SR2770, MHP41, MHP33, UNO33E

REF 165TA4498



- Length: 116 mm
- Height: 68 mm

Used on SL26SL/SL30SL, X26N, TM12, M1230E

REF 164TA7369



- Length: 117 mm
- Height: 52 mm

Used on X26N, TM12, M1230E

REF 164TA7371



- Length: 119,5 mm
- Height: 31,5 mm

Used on SL26SL/SL30SL, S3370BE/S2770RT, S1930E/S1932E

REF 165TA4496



- Length: 62 mm
- Height: 25 mm

Used on SL15, SL20, SL25, S2646/S3246, S1930E/S1932E

REF 165TA4497



- Length: 120 mm
- Height: 109 mm

Used on TL34, SL26SL, A38E, X26N

REF 163TA2885



- Length: 149 mm
- Height: 259 mm

Used on A38E, M2032/2639-J

REF 163TA7769

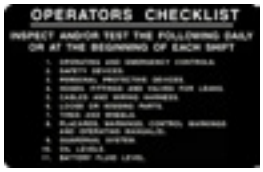
DECALS



- Length: 150 mm
- Height: 63 mm

Used on SL26SL/SL30SL, A38E, TM12, M2032/2639-J

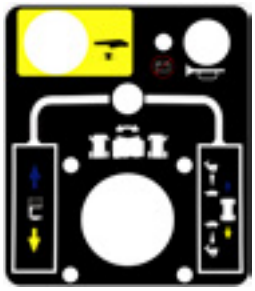
REF 138TA2758



- Length: 167 mm
- Height: 107,5 mm

Used on A38E, X26N, TM12, M2032/2639-J, EPV16

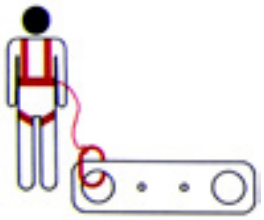
REF 163TA4279



- Length: 162 mm
- Height: 188 mm

Used on TM12, M1230E

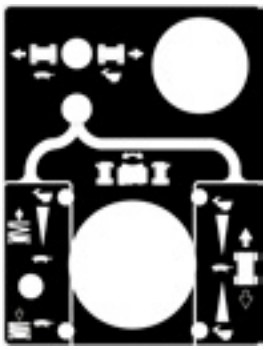
REF 163TA7504



- 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

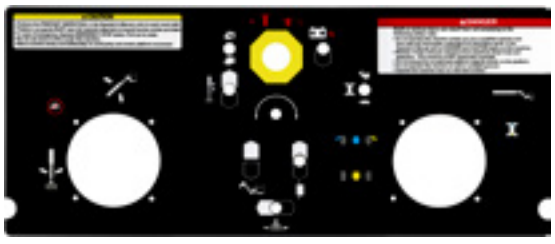
REF 162TA8784



- 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

USED ON SNORKEL

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"

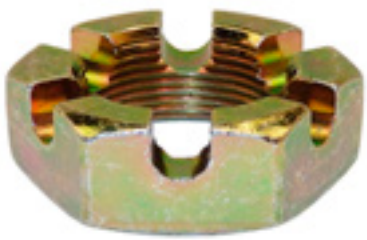
Used on ATB42-50, UNO33D/G 4X4, UNO41D/G, TB42/TB50, TB60, PRO66,

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	**165TA4507**
	15	56	Yes	S3370BE/S2770RT, SR3370/SR2770, SR2770	**165TA4508**
	15,7	62,3	No	TM12, M1230E	**165TA4509**
	19,1	127	No	M1230E	**165TA4510**
	22	80,8	No	TM12, M1230E	**164TA6995**
	22	110	No	TM12, M1230E	**164TA7014**

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

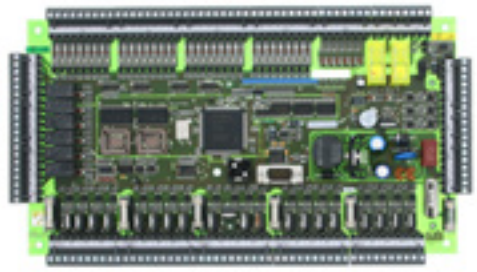


Length: 3000 mm

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

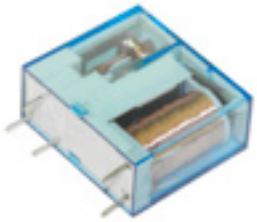
REF 163TA8100



- Type of relay: general purpose and power
- Voltage: 12 V
- Type of voltage: DC
- Current: 10 A

Used on Leo 23GT

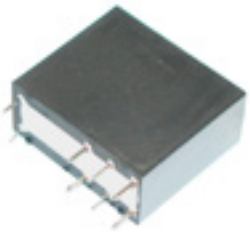
REF 163TA8151



- 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

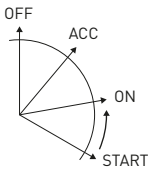


- Voltage: 12 V
- Maximum current interrupted: 100 A
- Maximum current uninterrupted: 100 A
- Magnetic blowouts: no
- Dust cover: enclosed version

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 mm²
- Type of loom: multiple cables
- Total length: 5080 mm
- Number of plugs: 1

REF 163TA8159



- Cable type: < 6 mm²
- Type of loom: multiple cables
- Total length: 1560 mm
- Number of plugs: 2

REF 163TA8138



- Cable type: < 6 mm²
- 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)

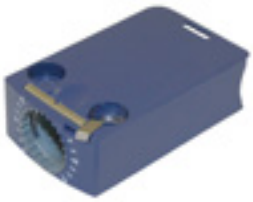
REF 163TA8132

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

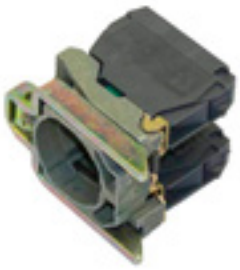
Used on Leo 18 GT, Leo 23GT, Leo 25T

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 LEO23GT

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

USED ON TEUPEN

FITTING FOR HYDRAULIC CIRCUIT



Banjo 1/2" BSP connection 12L

REF 163TA8036

ACTUATOR/POSITION TRANSDUCER



Height: 105 mm

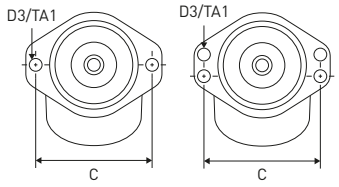
REF 163TA8044

HYDRAULIC MOTOR



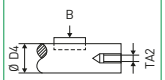
Type of flange

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



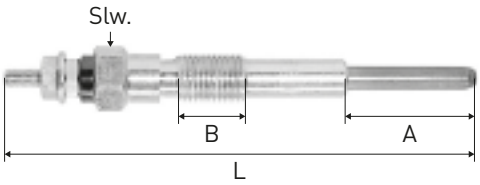
- Length: 65 mm
- Width: 84 mm
- Voltage: 12 V

Used on Leo 18GT, Leo 23GT

REF 163TA8074

GLOW PLUGS



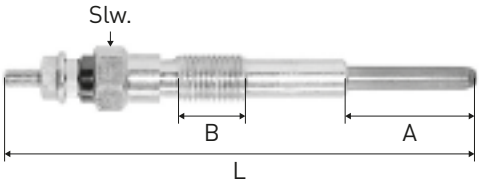


- Voltage: 11 V
- Thread: M8
- Total length: 76 mm
- Length A: 19 mm
- Length B: 12 mm

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

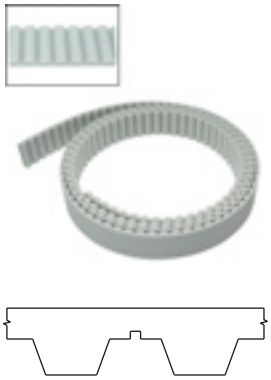
SPARK PLUG



- Number of ground electrodes: 1
- Thread: M14
- Pitch metric: 1,25 mm
- RH/LH thread: RH

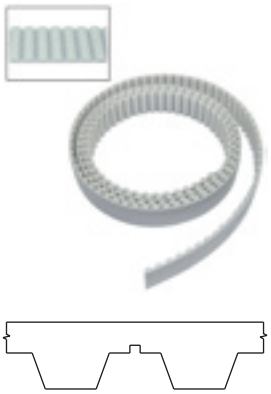
REF 163TA8076

TOOTHED BELTS



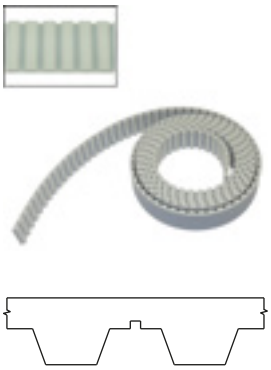
- Open toothed belt, type B
- Belt width: 32 mm
- Belt height: 4,5 mm
- Pitch: 10 mm

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	163TA8026
	130	Plastic	163TA8193
	130	Plastic	163TA8028
	190	Plastic	163TA8027
	260	Plastic	163TA8031

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	163TA8030
	490	445	210	163TA8032
	700	345	275	163TA8033
	500	435	210	163TA8034
	480	430	200	163TA8035

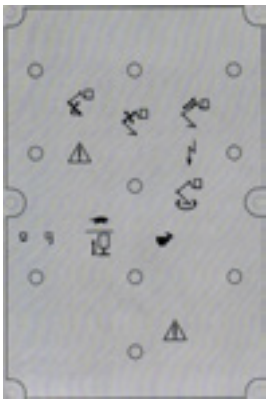
CABIN ACCESSORY



- Length: 121 mm
- Width: 58,5 mm
- Preformed

REF 163TA8180

DECALS



- Length: 157 mm
- Height: 237 mm

REF 163TA8014



- Length: 51 mm
- Height: 51 mm

REF 163TA8016



- Length: 120 mm
- Height: 240 mm

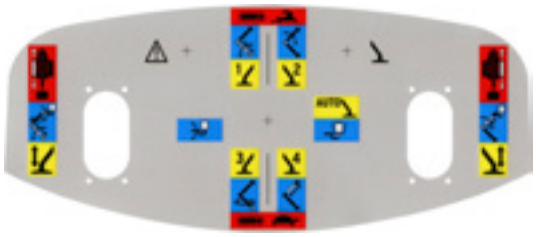
Used on Leo GT13, Leo 15GT, Leo 23GT, Leo 18GT

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

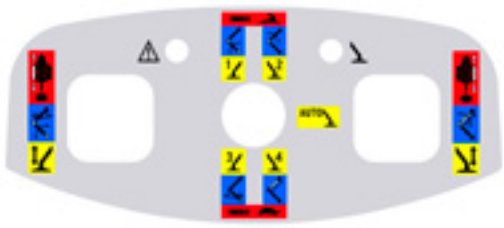
Used on Leo 15GT

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	LEO13GT	164TA8527
	Non-marking white	180	40	LEO15, LEO15GT> 2016	164TA8529
	Non-marking white	200	43	LEO15, LEO15GT> 2016, LEO22T, LEO23H, LEO25	163TA8022
	Non-marking white	230	52	LEO26	164TA8528
	Non-marking white	250	57	LEO30, LEO30T, LEO36	163TA8023
	Non-marking white	400	72	LEO40GTX	164TA8530
	Black	400	72	LEO40GTX	164TA8531



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

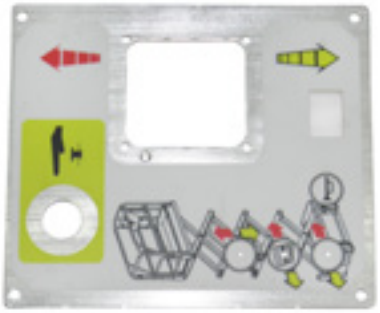


- Length: 235 mm
- Width: 185 mm
- Height: 130 mm

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

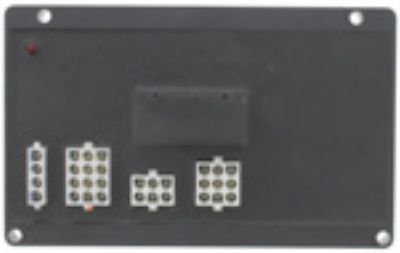
REF 164TA7479

PRINTED CIRCUIT BOARDS



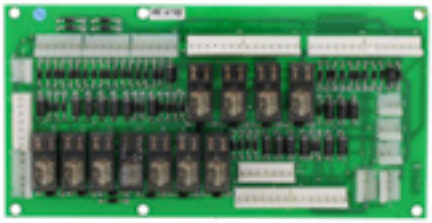
- Auto stabiliser module
- Length: 185 mm
- Width: 115 mm

Used on SR2255, SR2755, SR3370, SR2770



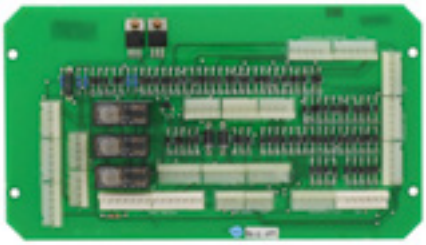
- Overload circuit
- Length: 185 mm
- Width: 115

Used on MX19



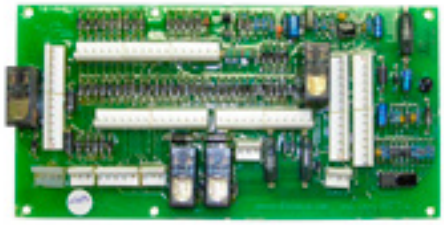
- Lower circuit board
- Length: 214 mm
- Width: 107 mm

Used on MB20/26



- Lower printed circuit board
- Length: 213 mm
- Width: 107 mm

Used on TL38 work platforms



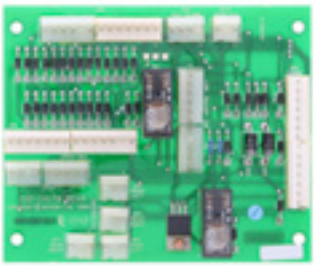
- Lower printed circuit board AB38
- Length: 129 mm
- Width: 58 mm

Used on AB38



- Length: 129 mm
- Width: 58 mm

Used on A38E



- Lower control box
- Length: 132 mm
- Width: 110 mm

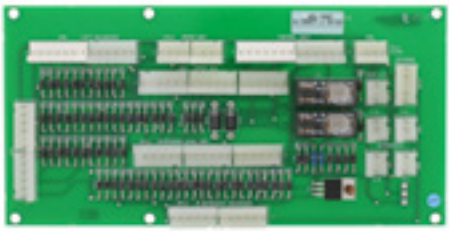
Used on TL33



- Printed circuit board assembly (platform controller)
- Length: 131,4 mm
- Width: 133,5 mm

Used on AB38, MX19, A38E

PRINTED CIRCUIT BOARDS



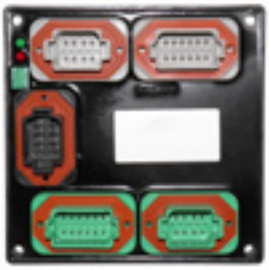
- Printed circuit board assembly lower
- Length: 214 mm
- Height: 107 mm

Used on TL49



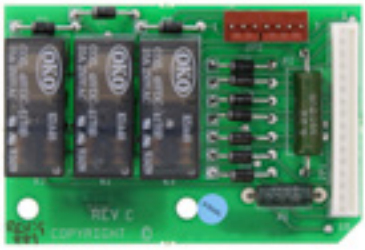
Printed circuit board lower control box LX41 with outrigger

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



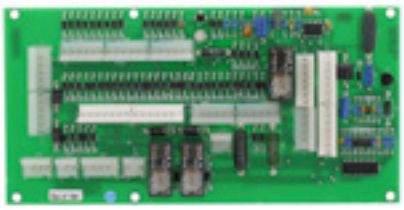
- Printed circuit board upper SP37
- Length: 76 mm
- Width: 52 mm

Used on AB38



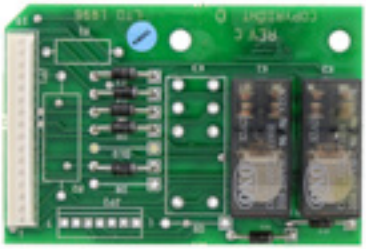
- Resistor module dual
- Length: 90 mm
- Width: 54 mm

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!

USED ON UPRIGHT

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 mm²
- Type of loom: multiple cables
- Total length: 2550 mm
- Number of plugs: 6

Used on TM12, M1230E

REF 164TA7335



- Cable type: < 6 mm²
- Type of loom: multiple cables
- Total length: 3020 mm
- Number of plugs: 2

REF 164TA7344



- Cable type: < 6 mm²
- Type of loom: multiple cables
- Total length: 403 mm
- Number of plugs: 2

Used on MX19

REF 164TA7326



- Cable type: < 6 mm²
- Single cable loom: 1 cable
- Total length: 365 mm
- Number of plugs: 2

Used on AB38, MX19, A38E

REF 164TA7336



- Cable type: < 6 mm²
- Single cable loom: 1 cable
- Total length: 2620 mm
- Number of plugs: 2

Used on AB38, MX19, A38E

REF 164TA7343



- Cable type: < 6 mm²
- 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 mm²
- Type of loom: multiple cables
- Total length: 12 000 mm
- Number of plugs: 4

Used on MX19

REF 164TA7334



- Cable type: < 6 mm²
- 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 mm²
- 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 mm²
- 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 mm²
- 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 mm²
- Type of loom: multiple cables
- Total length: 15 250 mm
- Number of plugs: 1

Used on SP37

REF 164TA7331

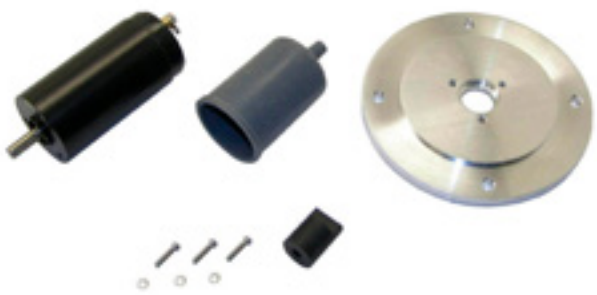
COMPLETE CONTACTORS

	Voltage V	Maximum current A	Magnetic blowouts	Dust cover	Used on	REF
	48	150	No	No	SP37	165TA4519
	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	123TA5763
	24	100	No	No	AN38, AB38, A38E	152TA2169
	24	100	No	No	LX31, LX41, LX50, AB38, AB38, A38E, AB46I/C 2WD, AB46	164TA7103
	24	100	Yes	No	MB20/26, TL38, TL33, TL49	106TA1585
	24	200	No	No	SL20, X series, MX15, MX19, SL20 (12V), XS, TM12, X20N, X20W, X26N, X26UN, X32N, X series	122TA7511
	24	200	Not specified	Enclosed version	MX15, MX19, SL20D, SL30N, TM12, SL20 1, SL26, 30N, X20N, X20W, X26N, SL14,	111TA4054

COMPLETE CONTACTORS

	Voltage V	Maximum current A	Magnetic blowouts	Dust cover	Used on	REF
	24	200	Yes	No	SL20	106TA1670
	48	200	No	No	AB38, A38E	164TA7104
	48	100	Yes	No	AB38	107TA1353
	48	200	No	No	AB46, AB46 Electric & Bi-energy	123TA9532
	48	250	No	Yes	LX31, LX41, AB46, AB46 Electric & Bi-energy	164TA7101
	48	80	No	No	AB38	164TA7105

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
General purpose and power relay					
	6	DC	10	SL26, 30RT, 30SL, SL26RT/SL30RT, 30N	**111TA4922**
	12	DC	10	LX50, AB46 European SP, AB46RT, LX31, LX41, LX50, AB46RT 4WD, AB46 I/C 2WD, LX31DD/LX41DD	**124TA4686**
	12	DC	10	LX50, AB46RT, SB80, LX31, LX41, AB46RT 4WD, AB46RT, LX31DD/LX41DD	**128TA3014**
	12	DC	10	LX50, LX31, LX41, SL20, XRT27/XRT33, SL26, 30RT, SL20 (12V), SL26RT/SL30RT, SL26N/SL30N, 30SL, 30N	**164TA7499**
	12	DC	10	SL20, SL26, 30RT, 30SL, SL26RT/SL30RT, SL26N/SL30N, 30N	**164TA7502**
	12	DC	10	SL26, 30RT, 30SL, SL26RT/SL30RT, SL26N/SL30N	**121TA1131**
	12	DC	10	LW31, LX41, LX50, AB46RT European SP, AB46RT, SB80, LX31DD/LX41DD, LX31/41, LS31/LX41	**122TA7891**

RELAYS

	Voltage V	Type of voltage	Current A	Used on	REF
	12	DC	10	AB85RJ, AB60JRT	111TA4904
	24	DC	10	U-DRIVE25, SL20, TM12, X20N, X20W, X26N, X26UN, X32N, MX15, MX19, SL20D, X series, SL14	139TA5073
	24	DC	16	SL20D, SL26N/SL30N, SL26, 30N	164TA7500
	24	DC	3-30	U-DRIVE25, TM12, MX15, MX19, TM12	122TA7919
	48	DC	10	LX31/LX41, AB46RT, AB46RT 4XD, AB46, AB46I/C 2WD, AB46 Electric & Bi-Energy	124TA8980
	48	DC	16	LX31, LX41	124TA8989

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



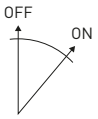
- Voltage: 12 V
- Cable length: 1000 mm
- Dimensions: 290 x 51 mm

Used on AB62

REF 164TA6944

IGNITION SWITCHES



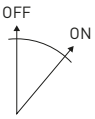


- Number of connections: 3
- Number of positions: 2
- Built-in diameter: 17 mm
- Total length: 40 mm
- Key: yes

Used on AB38, A38E

REF 164TA7402



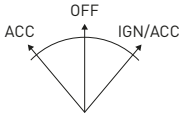


- Number of connections: 3
- Number of positions: 2
- Built-in diameter: 19 mm
- Total length: 41 mm
- Key: yes

Used on AB38, MX19, A38E

REF 164TA7400



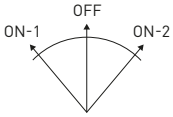


- Number of connections: 3
- Number of positions: 3
- Built-in diameter: 19 mm
- Total length: 62 mm
- Key: yes

Used on MX15, MX19, XS, SL20D, TM12, SL20 1, SL14

REF 141TA2635



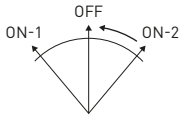


- Number of connections: 4
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 62 mm
- Key: yes

Used on MS20/26, TL38, SP37, TL34

REF 164TA7396



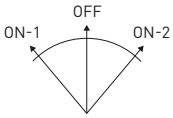


- Number of connections: 4
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 62 mm
- Key: yes

Used on AB38

REF 164TA7399

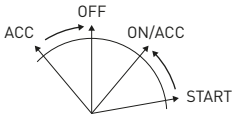




- Number of connections: 4
- Number of positions: 3
- Built-in diameter: 22 mm
- Total length: 62 mm
- Key: yes

REF 164TA7393



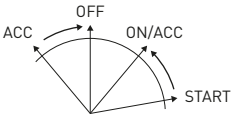


- Number of connections: 4
- Number of positions: 4
- Built-in diameter: 19 mm
- Total length: 70 mm
- Key: no

Used on AB62, SB80, AB50JRT, AB85RJ, AB60JRT, AB46RT

REF 126TA5997



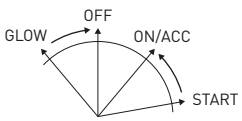


- Number of connections: 4
- Number of positions: 4
- Built-in diameter: 19 mm
- Total length: 71 mm
- Key: yes

Used on SL26, 30RT, 30SL, LX50, LX31, LX41, LX-50, SRT27/XRT33, 30N, LX31DD/LX41DD

REF 164TA7398





- Number of connections: 5
- Number of posisions: 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)	**164TA7401**
	3	22	Yes	Plastic	LX31/LX41, AB46RT European SP, AB46RT Dual fuel, AB46RT, AB46RT 4WD, AB46, AB46 I/C 2WD, AB46 Electric & Bi-energy	**164TA7397**
	4	21	Yes	Plastic	LX31/LX41, AB46RT European SP, AB46RT Dual fuel, AB46RT, AB46RT 4WD, AB46, AB46 I/C 2WD, AB46 Electric & Bi-energy	**164TA7395**

ROTARY SWITCHES



- Number of positions: 2
- Built-in diameter: 22 mm

Used on LX31, LX41, LX50, SL20, X series, MX15, MX19, XTR27/XTR33, SL20 (12V), XS, X20N, X20W, W26N, X26UN, X32N, X series

REF 164TA7623



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

Used on LX31, LX41, LX50, X series, XTR27/XTR33, SL20 (12V), SL20, XS, X20N, X20W, X26N, X26UN, X32N

REF 164TA7624

COMPLETE ROTARY SWITCHES



- Number of positions: 2
- Voltage: 240 V
- Current: 3 A
- Built-in diameter: 22 mm

Used on AB38, SL20, MB20/26, AB38, SP37

REF 160TA2157



- Number of positions: 2
- Voltage: 48 VDC
- Built-in dimensions: 42 x 41 mm

Used on AB46, AB46 Electric & Bi-energy

REF 146TA8793

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

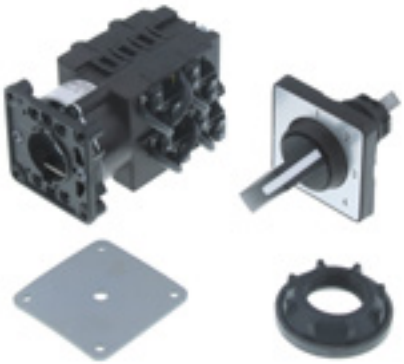


- Key number: 001
- Number of supplied keys: 1

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	127TA2721
	3	250	12	LX31, LX41, LX50, AB62, SL20, AB46RT, SB80, SL20 (20V), SL26, 30SL, LX31DD/LX41DD, AB85RJ, AB60JRT	106TA1443
	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	146TA1783
	6	250	10	SL26, 30RT, TM12, MX15, MX19, X20N, X20W, X26N, SL20D, SL26RT/SL30RT, TM12, SL20 1, SL14, AB85RJ, AB60JRT	145TA1947

TOGGLE SWITCHES

	Number of connections	Maximum voltage V	Current A	Used on	REF
	6	277	15	AB50JRT, AB85RJ, AB50JRT	126TA5378
	6	250	12	AB62, AB46RT European SP, AB46RT Dual fuel, AB46RT, AB62, AB46RT 4WD, AB46, AB46 I/C 2WD, AB46 Electric & Bi-energy	126TA5388
	3	125-350	20	AB38, MB20/26, TL38, AB38	146TA3723

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



CURTIS

- 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

USED ON UPRIGHT

CARTRIDGE VALVE



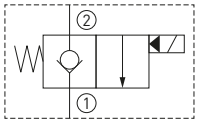
- Width across flats: 7/8"
- Length: 70,4 mm
- Diameter: 15 mm

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



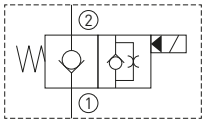


- Voltage: 24 V
- AC/DC: DC
- Resistance: 29,1 Ω
- Diameter: 16,4 mm
- Length: 107 mm

Used on TM12, SL20D, SL26RT, SL30RT, SL26N, SL30N, TM2, SL26, 30RT, 30N

REF 164TA7139



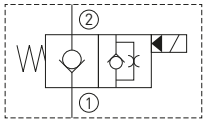


- Voltage: 18 V
- AC/DC: DC
- Resistance: 15,5 Ω
- Diameter: 13,3 mm
- Length: 171 mm

Used on MB20/26

REF 165TA4450



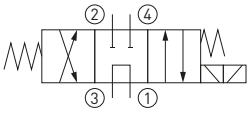


- Voltage: 10 V
- AC/DC: DC
- Resistance: 6,3 Ω
- Diameter: 13 mm
- Length: 108 mm

Used on SL20, XRT27, XTR33, SL20 (12V), UL II series

REF 164TA7143



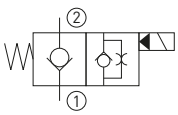


- Voltage: 48 V
- AC/DC:DC
- Resistance: 83 Ω
- Diameter: 16,2 mm
- Length: 191 mm

Used on AB46, AB46 Electric & Bi-energy

REF 164TA7145



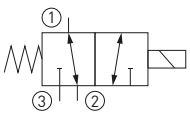


- Voltage: 20 V
- AC/DC: DC
- Resistance: 24,3 Ω
- Diameter: 13 mm
- Length: 76,5 mm

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 Ω
- Diameter: 16 mm
- Length: 119,3 mm

Used on SL26, 30SL, SL26RT/SL30RT, SL26N, SL30N, SL26, 30RT, 30SL, 30N

REF 164TA7151

CARTRIDGES WITH COIL

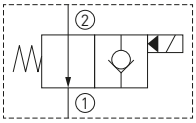


- Voltage: 10 V
- AC/DC: DC
- Resistance: 4 Ω
- Diameter: 16 mm
- Length: 106 mm

Used on MX15, MX19, SL20 1, X series, SL14

REF 164TA7152



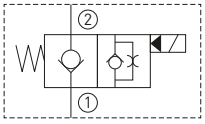


- Voltage: 20 V
- AC/DC: DC
- Resistance: 28,8 Ω
- Diameter: 13 mm
- Length: 85 mm

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

USED ON UPRIGHT

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



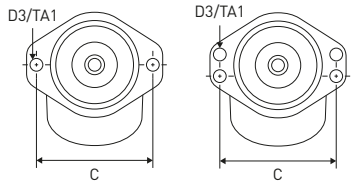
- Length: 860 mm
- Pressure: WP 350 bar

REF 164TA7237

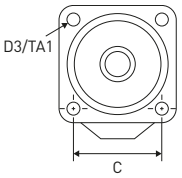
HYDRAULIC MOTORS

Type of flange

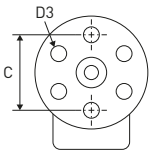
Type A



Type C



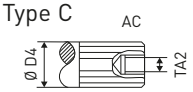
Type D
Number of holes is not important for this type



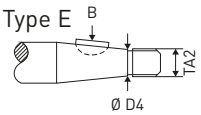
Type S: special shape, none of the previous types

Type of shaft

Type C



Type E

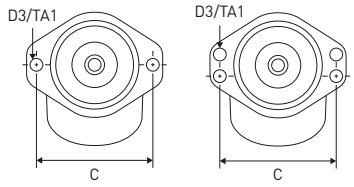


	Thread connections inch	Type of flange	Type of shaft	Total length mm	Used on	REF
	3/8" BSP	D	E	277	X20N, X20W, X26N, X26UN, X32N	**164TA7263**
	1 1/16" UNF	C	E	380	LX50, LX31, LX41	**131TA9498**
	1 1/16" UNF	S	E	381	LX31, LX41, LX50	**164TA7254**
	3/8" BSP	D	E	265	MX19	**164TA7260**
	3/8" BSP	C	E	206	TM12	**164TA7253**
	9/16" UNF	S	E	205	TM12	**164TA7258**
	9/16" UNF	C	E	211	SL20, SL20 (12V)	**131TA6815**

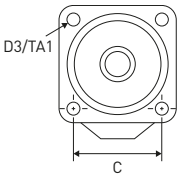
HYDRAULIC MOTORS

Type of flange

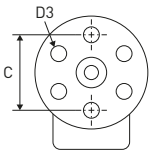
Type A



Type C



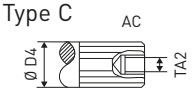
Type D
Number of holes is not important for this type



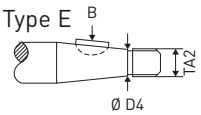
Type S: special shape, none of the previous types

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	**164TA7256**
	7/8" UNF	C	E	239	X series, SL20D, SL20, X20N, X20W, X26N, SL20 1	**131TA6830**
	7/8" UNF	A	C	294	SL26, 30RT, SL26RT, SL30RT, 30SL	**131TA6899**
	7/8" UNF	C	E	233	MX15, MX19, TM12	**131TA6825**
	7/8" UNF	C	E	301	SL26N, SL30N, SL26, 30N	**164TA7257**
	7/8" UNF	C	E	319	SK26, 30RT, 30SL, SL26RT, SL30RT, SL26N, SL30N, SL26, 30N	**131TA6819**

HYDRAULIC PUMPS

	Total length mm	Neck diameter mm	Direction of rotation	Material of housing	REF
	102	45,2	CCW	Aluminium	**164TA7268**
	121	45,2	CCW	Aluminium	**147TA6760**
	136,3	45,2	CCW	Metal	**164TA7275**
	157	31,7	CW	Metal	**165TA4521**

HYDRAULIC PUMP GROUPS

	Electric motor V	AC/DC	Power kW	REF
	24	DC	2,4	164TA7248
	24	DC	2,4	164TA7249
	24	DC	3	164TA7247
	48	DC	4	164TA7245
	48	DC	2,57	164TA7244

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
Oil filters					
	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	**139TA6823**
	50	25,3	76,7	AB38, MB20/26, A38E, TL49	**147TA6571**
	96	24,6	140	MX19, TL38, TL33	**152TA2826**
	52	24,5	65,6	MX19, TL38, TL33	**165TA4523**
	85	18,5	78,0	AB46RT European SP, AB46RT, AB46RT 4 WD, AB46, AB46 Electric & Bi-Energy	**139TA5975**
	43	43,5	162	TL34	**165TA4183**

USED ON UPRIGHT

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 Electic & Bi-energy, SL26RT, SL30RT, SL26N, SL30N, SL26, 30N, LX31DD, LX41DD

REF 105TA1476

BALL JOINT ROD END

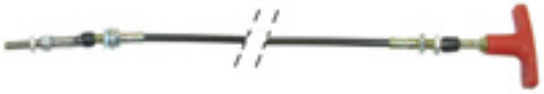
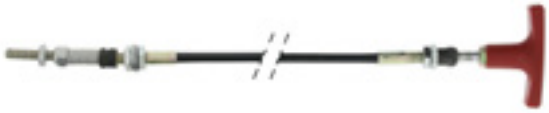


- Outer diameter: 18,7 mm
- Inner diameter: 6,4 mm
- Height: 30 mm

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	151TA1698
	2410	2,0	2270	MX19	164TA7314
	2515	1,3	2385	MX15, MX19	164TA7318
	2960	3,2	2540	X20N, X20W, X26N	165TA4524
	3000	1,0	2850	MX19	164TA7317
	4700	1,2	4590	X series, X20N, X20W, X26UN, X32N, X26N	164TA7316

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

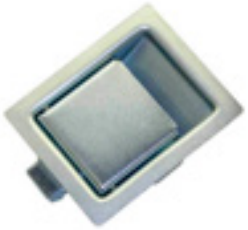
REF 164TA7301



- 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

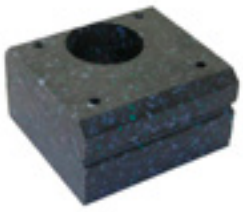
WEAR PADS



- 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

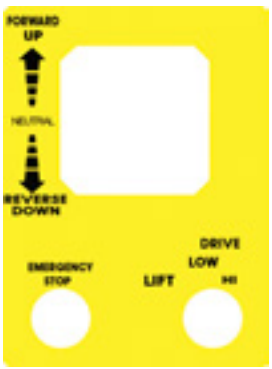
REF 164TA7369



- Length: 276 mm
- Height: 178 mm

Used on X series, MX15, MX19, X20N, X20W, X26N, X26UN, X32N

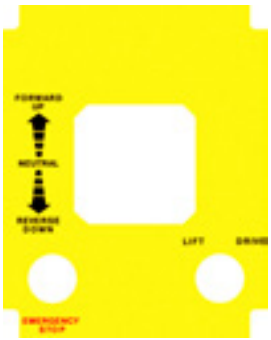
REF 164TA7363



- Length: 135 mm
- Height: 185 mm

Used on X series

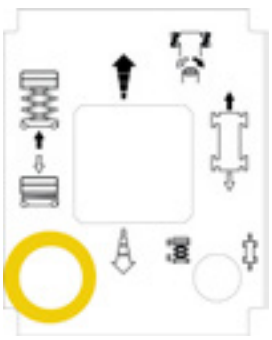
REF 126TA9853



- Length: 168 mm
- Height: 211 mm

Used on MX15, MX19, SL20

REF 163TA5402

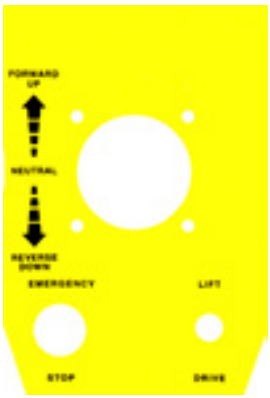


- Length: 168 mm
- Height: 211 mm

Used on MX19, X series, X20N, X26N, X26N, X26UN, X32N

REF 163TA4296

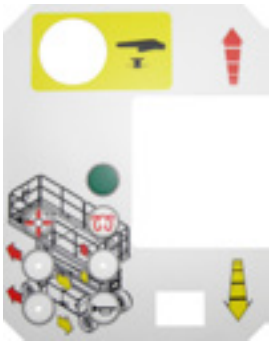
DECALS



- Length: 136 mm
- Height: 202 mm

Used on MX15, MX19, SL20 1

REF 164TA7360



- Length: 158 mm
- Height: 203 mm

Used on SL26SL, SL30SL

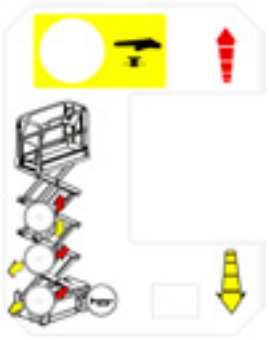
REF 162TA9081



- Length: 196 mm
- Height: 145 mm

Used on AB38, A38E

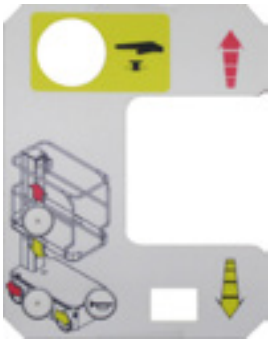
REF 138TA3429



- 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

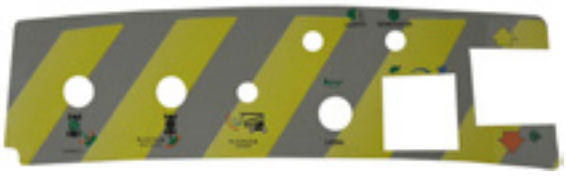


- Length: 171 mm
- Height: 278 mm

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

USED ON UPRIGHT

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	**151TA2605**
	305	100	31,8	MX19	**164TA7723**
	305	100	31,8	MX19	**141TA4894**
	305	105	31,7	MX15, MX19	**151TA2514**
	305	76	44,5	TM12	**164TA7728**

TRACTION WHEELS

	Diameter wheel mm	Width wheel mm	Diameter shaft mm	Number of bolt holes	Used on	REF
	305	100	113	4	MX19	147TA2786
	305	100	28	0	MX19	141TA4895
	305	76	27	2	TM12	129TA9844
	305	76	27	0	TM12, M1230E	145TA9136
	340	102	113	4	MB20/26	129TA8942

TRACTION WHEELS

	Diameter wheel mm	Width wheel mm	Diameter shaft mm	Number of bolt holes	Used on	REF
	342	102	96	5	MB20/26	129TA9048
	380	127	113	4	SL20	164TA7729
	380	118	86	4	SL20, X series, SL20 (12V), X20N, X20W, X26N, X32N, X26UN	129TA8940
	414	120	86	5	SL20D, SL20	129TA9045
	559	229	110	5	AB38, A38E	164TA7725

USED ON UPRIGHT

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	164TA7001
	19,0	40	164TA7006
	19,0	50	164TA7010
	19,0	57,5	161TA1876
	30,0	185	164TA7005
	31,7	50	164TA7012

USED ON UPRIGHT

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



USED ON

YOUNGMAN

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 mm²
- 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 mm²
- Type of loom: multiple cables
- Total length: 4550 mm
- Number of plugs: 10

Used on BoSS X3

REF 151TA3496



- Cable type: < 6 mm²
- Type of loom: multiple cables
- Total length: 5000 mm
- Number of plugs: 10

Used on BoSS X3X

REF 151TA3530



- Cable type: < 6 mm²
- Type of loom: multiple cables
- Total length: 5910 mm
- Number of plugs: 1

Used on BoSS X3X-SP

REF 151TA3607



- Cable type: < 6 mm²
- 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 mm²
- Type of loom: multiple cables
- Total length: 340 mm
- Number of plugs: 2

REF 163TA7877



- Cable type: < 6 mm²
- 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	**151TA3423**
	24	100	100	No	BoSS X3X-SP	**151TA3601**
	24	200	200	No	BoSS X3X-SP	**151TA3613**

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

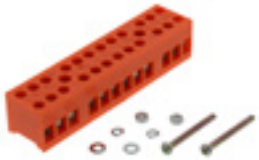
HOUSING CONNECTORS



- 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



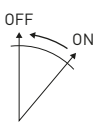
- Switch NC for pendant emergency stop button
- Length: 39,5 mm
- Width: 22 mm

Used on BoSS X3X, BoSS X3, BoSS X2

REF 151TA3440

IGNITION SWITCHES



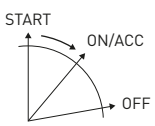


- Number of connections: 2
- Number of positions: 2
- Built-in diameter: 22 mm
- Total length: 68 mm
- NO contact

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

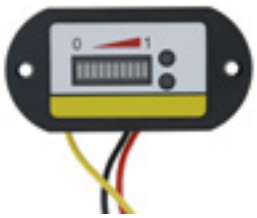
BATTERY DISCHARGE INDICATORS



- 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

USED ON YOUNGMAN

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	151TA3514
	12	1,2	BoSS X2, BoSS X3, BoSS X3X	165TA4529
	24	1,2	BoSS X3X-SP	151TA3603

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	151TA3532
	2500	2	2360	BoSS X2	151TA3517
	2710	2	2550	BoSS X3	151TA3504
	2715	2	2550	BoSS X3X-SP	151TA3583

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

KNOBS



- 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

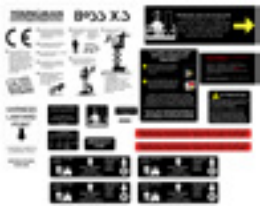
DECALS



- 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

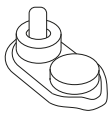
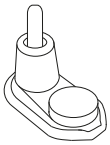
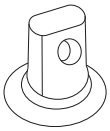
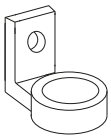
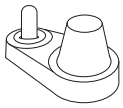
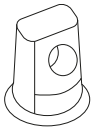
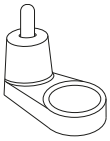
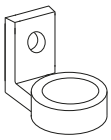
CASTORS

	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	**151TA3486**
	200	4	50	236	BoSS X3X, BoSS X3, BoSS X2	**151TA3489**
	152	4	64	200	BoSS X3X-SP	**151TA3605**
	200	4	50	235	BoSS X3X, BoSS X3, BoSS X2	**151TA3485**



UNIVERSAL PARTS

DEEP-CYCLE FLOODED BATTERIES WITH T2 TECHNOLOGY™

 Type 1	 Type 2	 Type 3	 Type 4	 Type 5
 Type 6	 Type 7	 Type 8	 Type 9	 Type 16

DEEP-CYCLE FLOODED BATTERIES WITH T2 TECHNOLOGY™

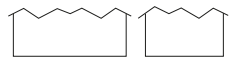
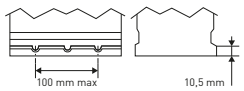
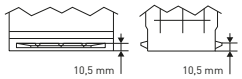
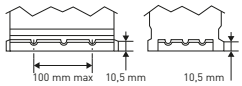
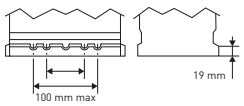
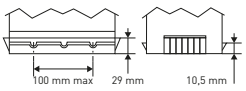
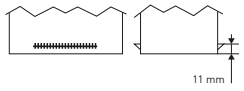
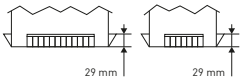
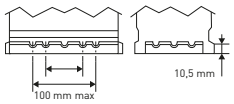


A: The number of minutes a battery can deliver when discharged at a constant rate at 27 °C (80 °F) and maintain a voltage above 1,75 V/cell. Capacities are based on peak performance
B: The amount of amp-hours (Ah) a battery can deliver when discharged at a constant rate at 27 °C (80 °F) and maintain a voltage above 1,75 V/cell. Capacities are based on peak performance

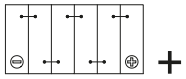
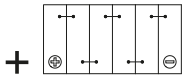
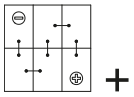
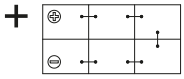
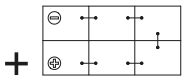
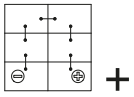
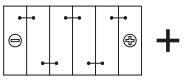
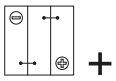
Type	Capacity/minutes (A)		Capacity amp-hours (B)		L x W x H	Weight	Terminal type	REF
	@ 25 Amp A	@ 75 Amp A	5–10 h rate Ah	20–100 h rate Ah	mm	kg		
Voltage: 6 V								
T-105	447	115	185–207	225–250	262 x 181 x 283	62	1, 2, 3, 4	**152TA2969**
T-125	488	132	195–221	240–266	262 x 181 x 283	66	1, 2, 3, 4	**165TA4531**
T-125 Plus	488	132	195–221	240–266	262 x 181 x 281	66	1, 2, 3	**165TA4532**
J250P	540	135	215–230	250–278	296 x 176 x 33	72	6	**165TA4533**
Voltage: 12 V								
24TMX	140	36	70–78	85–94	277 x 168 x 235	47	7, 8, 9, 16	**165TA4534**
27TMX	175	45	97–105	105–117	326 x 168 x 247	55	7, 8, 9, 16	**165TA4535**

HEAVY-DUTY STARTER BATTERIES

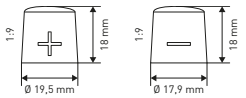
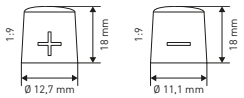
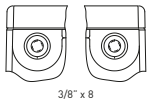
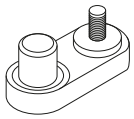
Fixation

 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
Voltage: 12 V								
535.020.030SMF	35	300	187 x 127 x 220	9	0	B00	3	165TA4536
535.022.030SMF	35	300	187 x 127 x 220	8,9	1	B00	3	165TA4537
535.087.030SMF	35	300	187 x 127 x 220	8,9	0	B01	3	165TA4538
540.008.034SMF	40	340	174 x 174 x 190	10,3	0	B13	1	165TA4539
545.023.034SMF	45	340	234 x 127 x 220	10,7	0	B00	1	165TA4540
545.024.034SMF	45	340	234 x 127 x 220	10,7	1	B00	1	165TA4541
545.051.034SMF	45	340	234 x 127 x 220	10,7	1	B00	3	165TA4542
545.084.034SMF	45	340	234 x 127 x 220	10,7	0	B00	3	165TA4543
545.059.039SMF (E1)	45	390	208 x 174 x 175	11	0	B13(B04)	1	165TA4544
545.077.036SMF	45	360	218 x 133 x 223	10,7	0	B01	1	165TA4545
545.079.036SMF	45	360	218 x 133 x 223	10,7	1	B01	1	165TA4546
550.041.039SMF	50	390	200 x 172 x 220	12,8	0	B01	1	165TA4547
550.042.039SMF	50	390	200 x 172 x 220	12,8	1	B01	1	165TA4548
550.054.042SMF	50	420	208 x 174 x 190	11,8	0	B13	1	165TA4549
554.059.048SMF	55	480	242 x 174 x 175	13	0	B13(B04)	1	165TA4550
555.059.048SMF	55	480	242 x 174 x 190	13,9	0	B13	1	165TA4551
555.065.048SMF	55	480	242 x 174 x 190	13,9	1	B13	1	165TA4552
560.068.048SMF	60	480	230 x 172 x 220	15	0	B00	1	165TA4553
560.069.048SMF	60	480	230 x 172 x 220	15	1	B00	1	165TA4554
560.077.054SMF (E2)	60	540	242 x 174 x 175	13,7	0	B13(B04)	1	165TA4555
566.019.064SMF (E2-640)	66	640	242 x 175 x 190	15,2	0	B13	1	165TA4556
570.024.054SMF	70	540	266 x 172 x 220	16,2	1	B01	1	165TA4557
570.029.054SMF	70	540	266 x 172 x 220	16,2	0	B01	1	165TA4558
571.013.064SMF (E3)	72	640	277 x 174 x 175	15,7	0	B13(B04)	1	165TA4559
574.020.068SMF	74	680	277 x 174 x 190	17,3	0	B13	1	165TA4560
574.026.068SMF	74	680	277 x 174 x 190	17,3	1	B13	1	165TA4561
580.035.072SMF (E4)	80	720	315 x 174 x 175	18,5	0	B13(B04)	1	165TA4562
580.043.064SMF	80	640	315 x 174 x 190	19,5	0	B13	1	165TA4563
585.019.075SMF	85	750	315 x 174 x 190	20,3	1	B13	1	165TA4564
585.015.072SMF (E5)	85	720	354 x 174 x 175	19,7	0	B13(B04)	1	165TA4565
588.015.067SMF	88	680	354 x 174 x 190	21,6	0	B13(B04)	1	165TA4566
588.021.067SMF	88	680	354 x 174 x 190	21,4	1	B13(B04)	1	165TA4567
600.032.072SMF	100	720	302 x 172 x 220	21,3	0	B01	1	165TA4568
600.033.072SMF	100	720	302 x 172 x 220	21,3	1	B01	1	165TA4569
600.038.085SMF (E5H)	100	850	354 x 174 x 190	22,7	0	B13(B04)	1	165TA4570

For layout, fixation and terminal type you can go to page 827 for the drawings

HEAVY-DUTY STARTER BATTERIES



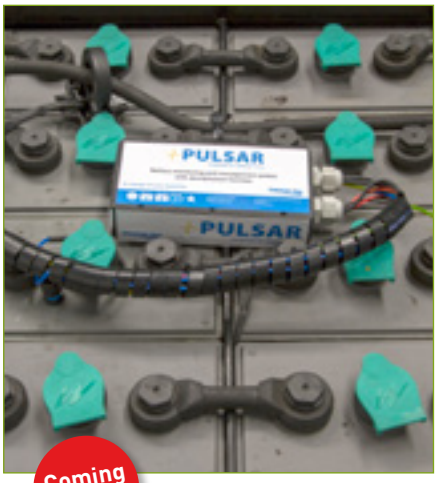
Truck batteries "Excellent"

- 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
Voltage: 12 V								
640.020.095SMF	140	950	513 x 189 x 220	35,3	3	B00	1	**165TA4571**
680.045.115SMF	180	1150	513 x 223 x 223	44,3	3	B00	1	**165TA4572**
730.012.140SMF	230	1400	514 x 276 x 242	56,3	3	B00	1	**165TA4573**

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!
Futhermore 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 mm²	Colour	REF Box (100 m)
Type: H05VK		
0,5	Grey	111TA3945
	Green/yellow	134TA8158
	Red	111TA3946
	Green	134TA8159
	White	111TA3947
	Yellow	134TA8160
	Blue	111TA3948
	Orange	134TA8161
	Brown	111TA3949
	Violet	111TA3950
	Black	123TA5449
0,75	Blue	111TA3951
	Brown	111TA3952
	Yellow	111TA3953
	Green/yellow	111TA3954
	Grey	111TA3956
	Green	111TA3955
	Orange	111TA3957
	Red	111TA3958
	Violet	111TA3959
	White	111TA3960
	Black	111TA3961
1	Black	111TA3962
	Brown	111TA3964

Section mm²	Colour	REF Box (100 m)
1	Green/yellow	165TA4575
	Grey	165TA4576
	Blue	164TA6002
	Brown	106TA9655
	Green	165TA4577
	Red	165TA4578
	Pink	165TA4579
	Violet	165TA4580
	White	165TA4581
	Yellow	165TA4582
	Black	106TA9654
1,5	Blue	111TA3965
	Brown	111TA3966
	Yellow	111TA3967
	Green/yellow	111TA3968
	Grey	111TA3969
	Green	111TA3970
	Orange	111TA3971
	Violet	111TA3972
	Red	111TA3973
	White	111TA3974
	Black	111TA3975
Type: H07VK		
2,5	Blue	111TA3976
	Orange	134TA8162

Section mm²	Colour	REF Box (100 m)
2,5	Brown	111TA3977
	Green/yellow	111TA3978
	Yellow	111TA3979
	Grey	111TA3980
	Green	111TA3981
	Red	111TA3982
	Violet	111TA3983
	White	111TA3984
	Black	111TA3985
4	Brown	111TA3986
	Grey	111TA3987
	Red	111TA3988
	White	111TA3989
	Black	111TA3990
6	Blue	111TA3991
	Brown	111TA3992
	Grey	111TA3993
	Blue	165TA4583
	Brown	165TA4584
	Grey	165TA4585
	Red	111TA3994
	Red	165TA4586
	Black	165TA4587
	Black	111TA3995

BATTERY CONNECTOR CHART

Battery connector chart



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

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 mm²	Length mm	REF
80	25	800	165TA4588
		1200	165TA4589
160	35	1000	165TA4590
		1200	165TA4591
		1500	165TA4592
		1800	165TA4593
	50	1000	165TA4594
		1200	165TA4595
		1500	165TA4596
		1800	165TA4597
320	70	1200	165TA4598
		1500	165TA4599
		1800	165TA4600
	95	2000	165TA4601
		2300	165TA4602

REMA MRC CONNECTORS – PIN MALE



Electric current A	Cable size mm²	Length mm	REF
80	16	3000	165TA4603
	25	3000	165TA4604
160	25	3000	165TA4605
	35	3000	165TA4606
320	25	3000	165TA4607

REMA DIN CONNECTORS

Cable size	80 A				160 A			
mm²	Plug (male)	Plug with handle	Socket (female)	Socket with handle	Plug (male)	Plug with handle	Socket (female)	Socket with handle
16	116TA5134	139TA1927	131TA4678	112TA4818	165TA4608	139TA1967	165TA4609	165TA4610
25	106TA9914	139TA1928	106TA9916	112TA4819	106TA9923	139TA1968	112TA4822	139TA1977
35	123TA7593	139TA1929	123TA7592	123TA7591	106TA9924	139TA1969	112TA4823	106TA9927
50					106TA9925	139TA1970	112TA4824	106TA9928
With auxiliary contacts								
16	139TA1930	165TA4611	139TA1943	139TA1945	165TA4612			165TA4613
25	139TA1931	165TA4614	139TA1944	139TA1946	139TA1971	165TA4615	139TA1978	139TA1981
35	139TA1932			165TA4616	139TA1972	165TA4617	139TA1979	139TA1982
50					139TA1973	165TA4618	139TA1980	139TA1983
70					139TA2018	165TA4619	139TA2029	139TA2032
95					139TA2019	165TA4620	139TA2030	139TA2033
With air supply system								
16	139TA1934	139TA1936	165TA4621	106TA9965				
25	106TA9971	139TA1937	165TA4622	139TA1948	106TA9978	165TA4623	165TA4624	139TA1984
35	139TA1935	139TA1938	165TA4625	165TA4626	106TA9979	165TA4627	165TA4628	139TA1985
50					106TA9980	165TA4629	165TA4630	139TA1986
With air supply and auxiliary contacts								
16	139TA1939	165TA4631	165TA4632	165TA4633				
25	139TA1940	165TA4634	165TA4635	165TA4636	139TA1974	165TA4637	165TA4638	139TA1987
35	139TA1941	165TA4639		165TA4640	139TA1975	165TA4641	165TA4642	139TA1988
50					139TA1976	165TA4643	165TA4644	139TA1989
With pilot and auxiliary contacts								
16	165TA4645	165TA4646	165TA4647	165TA4648				
25	165TA4649	165TA4650	165TA4651	165TA4652	165TA4653	165TA4654	165TA4655	165TA4656
35					165TA4657	165TA4658	165TA4659	165TA4660
50					165TA4661	165TA4662	165TA4663	165TA4664

Cable size	320 A				640 A	
mm²	Plug (male)	Plug with handle	Socket (female)	Socket with handle	Plug (male)	Socket (female)
50	116TA4699	139TA2014	106TA9940	112TA4825		
70	106TA9938	139TA2015	105TA4683	112TA4826	165TA4665	165TA4666
95	139TA2013	139TA2016	139TA2027	112TA4827	165TA4667	165TA4668
120					165TA4669	165TA4670
240					165TA4671	165TA4672
With auxiliary contacts						
50	139TA2017	165TA4673	139TA2028	139TA2031		
With air supply system						
50	106TA9984	139TA2021	139TA2034	106TA9975		
70	106TA9985	139TA2022	139TA2035	106TA9976		
95	139TA2020	139TA2023	139TA2036	139TA2037		
With air supply and auxiliary contacts						
50	139TA2024	165TA4674	165TA4675	139TA2038		
70	139TA2025	165TA4676	165TA4677	139TA2039		
95	139TA2026	165TA4678	165TA4679	139TA2040		
With pilot and auxiliary contacts						
50	165TA4680	165TA4681	165TA4682	165TA4683		
70	165TA4684	165TA4685	165TA4686	165TA4687		
95	165TA4688	165TA4689	165TA4690	165TA4691		

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	141TA7908
IC650	36	18	IP66	Lead-acid, gel, AGM	150–375	141TA7909
IC650	48	13,5	IP66	Lead-acid, gel, AGM	50–280	141TA7910
IC900	24	37	IP66	Lead-acid, gel, AGM	100–780	165TA2196
IC900	36	25	IP66	Lead-acid, gel, AGM	70–520	165TA2197
IC900	48	20	IP66	Lead-acid, gel, AGM	50–400	165TA2198
IC1200	24	50	IP66	Lead-acid, gel, AGM	100–1035	163TA7958
IC1200	36	33	IP66	Lead-acid, gel, AGM	70–690	165TA2194
IC1200	48	25	IP66	Lead-acid, gel, AGM	50–520	165TA2195

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	165TA2329
IC650	36	18	IP66	Lead-acid, gel, AGM	150–375	165TA2330
IC650	48	13,5	IP66	Lead-acid, gel, AGM	50–280	165TA2331
IC900	24	37	IP66	Lead-acid, gel, AGM	100–780	165TA2332
IC900	36	25	IP66	Lead-acid, gel, AGM	70–520	165TA2333
IC900	48	20	IP66	Lead-acid, gel, AGM	50–400	165TA2334
IC1200	24	50	IP66	Lead-acid, gel, AGM	100–1035	165TA2335
IC1200	36	33	IP66	Lead-acid, gel, AGM	70–690	165TA2336
IC1200	48	25	IP66	Lead-acid, gel, AGM	50–520	165TA2337

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
DIN 72581/medium		
	10	5
	10	7,5
	50	10
	50	15
	25	20
	10	25
	25	30
DIN 41661/fast		
	25	2
	10	3

	Quantity	Amp
DIN 72581/1		
	10	5
	50	8
	50	16
	10	25
DIN 41668/fast		
	25	10
	25	15
	15	20

SET OF HEAVY-DUTY CABLE LUGS

BEST BUY





REF 129TA9961

Section mm²	Ø mm	Quantity
10	6	10
	8	10
	10	10
	12	10
16	6	10
	8	10
	10	10
	12	10

Section mm²	Ø mm	Quantity
25	6	10
	8	10
	10	10
	12	10
35	6	10
	8	10
	10	10
	12	10
	14	10

Section mm²	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	106TA9514
	Male 3-pole	5	106TA9513
	Male 4-pole	5	106TA9512
	Male 6-pole	5	106TA9531
	Male 8-pole	2	106TA9530
	Male 12-pole	2	106TA9529
	Female 2-pole	5	106TA9508
	Female 3-pole	5	106TA9507
	Female 4-pole	5	106TA9506
	Female 6-pole	5	106TA9525
	Female 8-pole	2	106TA9524
	Female 12-pole	2	106TA9523
Connector lock	Male 2-pole	5	106TA9511
	Male 3-pole	5	106TA9510
	Male 4-pole	5	106TA9509
	Male 6-pole	5	106TA9528

Description	Content	Pieces	REF
Connector lock	Male 8-pole	2	106TA9527
	Male 12-pole	2	106TA9526
	Female 2-pole	5	106TA9505
	Female 3-pole	5	106TA9504
	Female 4-pole	5	106TA9503
	Female 6-pole	5	106TA9522
	Female 8-pole	2	106TA9521
	Female 12-pole	2	106TA9520
Kit cavity plug		1	143TA7105
Pin connector	Male 0,75–1,5 mm²	50	123TA5437
	Male 1,5–2,5 mm²	50	123TA5438
Socket	Female 0,8–1,3 mm²	50	123TA5439
Connector	Female 1,5–2,5 mm²	50	123TA5440
Extraction tool		1	111TA3870
		1	131TA8499

CRIMPING TOOL

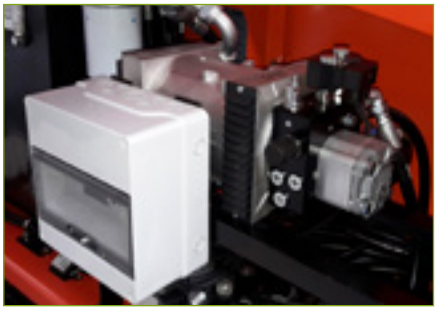


- For wire sizes 0,75–2,5 mm²
- Size: 12/16/20

REF 106TA9517

HYDRAULIC GENERATOR







Tired of hauling around a generator for your power tools?

TOTAL SOURCE®

CE

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.

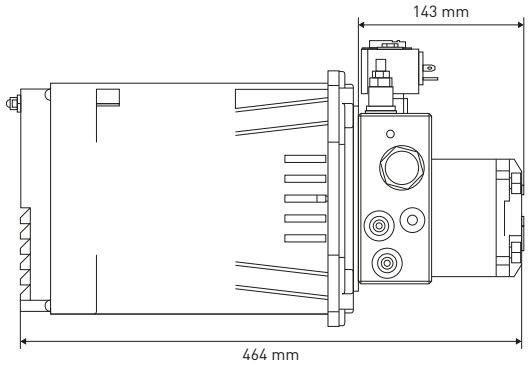
This generator can be connected to the hydraulic circuits of mobile elevating work platforms, earth-moving equipment, trucks, cranes and other construction machines.

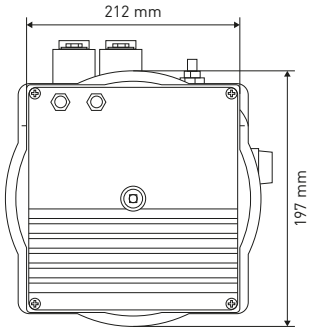
Advantages:

- 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



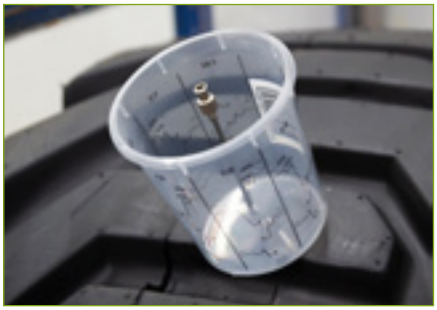




Electrical characteristics					Hydraulic characteristics					REF
Power	Voltage	Frequency	On/off valve	AVR (regulation range)	Flow min/max	Ideal flow	Pressure min/max	Back pressure	Oil temp max	
kVA	V	Hz	VDC		l/min	l/min	bar	bar	°C	
4,2	230	50	12	± 2%	30–45	35	150–210	8	70	161TA8411
4,2	230	50	12	± 2%	15–30	18	150–210	8	70	163TA8603
4,2	230	50	24	± 2%	30–45	35	150–210	8	70	163TA8604
4,2	230	50	24	± 2%	15–30	18	150–210	8	70	163TA8605
5,2	110	60	12	± 2%	25–30	27	150–210	8	70	163TA8748
5,2	110	60	24	± 2%	25–30	27	150–210	8	70	163TA8749

TYRE FOAM-FILLING SERVICE







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



Magnetic self-levelling mounting bracket for REF 164TA5478

REF 164TA5479



- 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

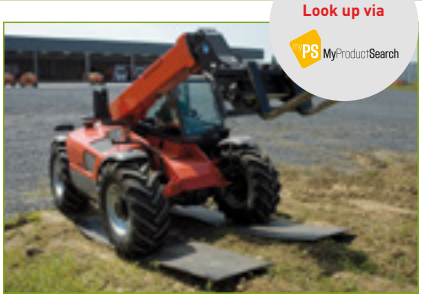


Magnetic self-levelling mounting bracket for REF 164TA5476

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	Width	Thickness	Weight	REF
mm	mm	mm	kg	
2000	1000	15	30	134TA8181
2000	1000	20	40	134TA8182
3000	1000	15	45	134TA8185
3000	1000	20	60	134TA8186

Applications

Horticulture:
- Lawns
- Driveways & terraces
- Sports fields

Events:
- Temporary sidewalks
- Car parkings
- Floors

Construction industry



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	Width	Stack height	REF
mm	mm	mm	
2000	1000	435	138TA8304
3000	1000	435	138TA8303

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	Weight	Plate capacity	REF
mm	kg	kg	
400 x 400 x 40	6	10 000	107TA9631
400 x 400 x 60	9	12 000	107TA9632
500 x 500 x 40	10	15 000	107TA9633
500 x 500 x 50	12	15 000	107TA9634
500 x 500 x 60	14	20 000	107TA9635
600 x 600 x 40	14	20 000	107TA9636
600 x 600 x 60	21	25 000	107TA9637
800 x 800 x 40	25	25 000	107TA9638
800 x 800 x 50	32	30 000	107TA9639
800 x 800 x 60	37	35 000	107TA9641

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	Plate thickness	REF
mm	mm	
1 plate		
400 x 400	40/50	138TA8154
500 x 500	40/50/60	138TA8155
600 x 600	40/50/60	138TA8156
2 plates		
400 x 400	40/50/60	138TA8157
500 x 500	40/50/60	138TA8158
600 x 600	40/50/60	138TA8159

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



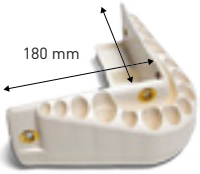
Size (L x W x H): 900 x 320 x 360/250 mm

REF 143TA5692

CORNER PROTECTION







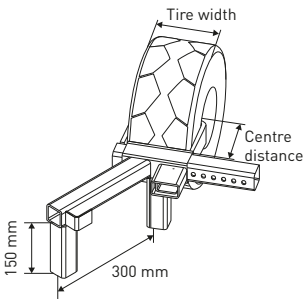
Protection for mobile elevating work platforms and buildings:

- 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 & restauration 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

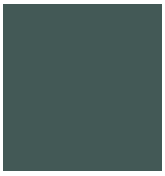
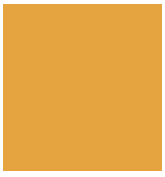
Colour	Used on	REF	
		Can 2,5 l	Spray 400 ml
Blue (crawler machine)	Aichi	136TA1249	
Blue (scissor lifts)	Aichi	136TA1250	
Grey	Aichi	136TA1251	
White	Dino	136TA1254	
Blue	Genie	107TA7315	165TA4692
Grey	Genie	107TA7316	165TA4693
Yellow	Grove	136TA1257	
Yellow	Haulotte	122TA8932	165TA3656
White	Haulotte	136TA2993	165TA4694
Black	Haulotte	107TA7284	165TA3657

PAINT

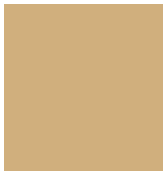
Colour	Used on	REF	
		Can 2,5 l	Spray 400 ml
Red	Haulotte	136TA2994	165TA4695
Grey (counter weight)	Haulotte	136TA2995	165TA4696
Grey (frame)	Haulotte	136TA1253	165TA3655
Orange	JLG	107TA7325	165TA4697
Beige	JLG	107TA7326	165TA4698
Grey	JLG	144TA9456	165TA4699
Beige	Manitou	107TA7344	165TA4700
Brown	Manitou	107TA7345	165TA4701
Red	Manitou	107TA7329	165TA4702
Brown (Mani scopic)	Manitou	111TA4076	

Experience teaches us that the depicted colours on the printed page can never be 100% lifelike.

PAINT

Colour		Used on	REF	
			Can 2,5 l	Spray 400 ml
	Grey (metallic)	Manitou	136TA1272	136TA2970
	Yellow	Manitou	144TA9621	165TA3656
	Orange	Mec	107TA7346	
	Grey	Mec	107TA7347	
	Yellow	Mec	107TA7310	165TA4703
	Black	Mec	107TA7284	165TA3657

PAINT

Colour		Used on	REF	
			Can 2,5 l	Spray 400 ml
	Green	Nifty	122TA8931	165TA4704
	Orange/ Red	Skyjack	145TA1777	165TA3659
	Blue	Upright	122TA7468	165TA4705
	Yellow/ Ochre	Primer	107TA7399	165TA4706
	Red/ Brown	Primer	107TA7401	165TA4707

Experience teaches us that the depicted colours on the printed page can never be 100% lifelike.

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



SAFETY, MAINTENANCE & REPAIR

FALL HARNESSES



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



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 developped to provide more comfort, freedom of movement and safety to workers

REF 147TA4376

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



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

FALL PROTECTION KITS



MILLER by Honeywell

Honeywell

CE

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

CE

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

CE

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

CE



Securex 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

Honeywell



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 – Grey
REF 165TA3781 – Clear

FACE SCREENS

Honeywell



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

Honeywell



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



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



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



Honeywell

HOWARD LEIGHT by Honeywell

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

HOWARD LEIGHT by 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

HIGH-VISIBILITY RAIN COAT AND PANTS





SIOEN
SIOPOR® REGULAR

- Fabric SIOPUR® Regular – 100% polyester fabric (plain weave) with 100% PU coating; ± 155 g/m²
- 100% wind- and waterproof
- Complies with EN 343 (3,2)

Coats

Size	REF
S	142TA5782
M	142TA5787
L	142TA5786
XL	142TA5783
XXL	142TA5784
XXXL	142TA5785

Pants

Size	REF
S	142TA5788
M	142TA5789
L	142TA5790
XL	142TA5791
XXL	142TA5792
XXXL	142TA5793

SAFETY JACKETS

CE



- 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

SAFETY JOGGER PATRICK





EU	UK	USA	J	REF
38	5	6	24	141TA1532
39	6	7	24,5	141TA1533
40	6,5	7,5	25,5	141TA1534
41	7	8,5	26,5	141TA1535
42	8	9	27	141TA1536
43	9	10	28	141TA1537
44	10	10,5	28,5	141TA1538
45	10,5	11,5	29,5	141TA1539
46	11	12	30	141TA1540
47	12	13	31	141TA1541

Low model





EU	UK	USA	J	REF
38	5	6	24	141TA1542
39	6	7	24,5	141TA1543
40	6,5	7,5	25,5	141TA1544
41	7	8,5	26,5	141TA1545
42	8	9	27	141TA1546
43	9	10	28	141TA1549
44	10	10,5	28,5	141TA1547
45	10,5	11,5	29,5	141TA1548
46	11	12	30	141TA1550
47	12	13	31	141TA1551

High model

SELF-ADHESIVE ANTISKID ROLLS



Black antiskid rolls

Length m	Width mm	REF
18,3	19	107TA5239
18,3	50	141TA1160
18,3	100	107TA5240
18,3	150	107TA5241
18,3	200	107TA5242
18,3	300	107TA5243
18,3	610	107TA5244
18,3	1220	107TA8131



Black and yellow antiskid rolls

Length m	Width mm	REF
18,3	25	107TA8124
18,3	50	107TA8123
18,3	100	107TA8125



Fluorescent black and white antiskid rolls

Length m	Width mm	REF
18,3	100	107TA8128



Fluorescent white antiskid rolls

Length m	Width mm	REF
18,3	25	107TA8126
18,3	50	107TA8127

SELF-ADHESIVE ANTISKID SHEETS



Length mm	Width mm	REF
120	50	165TA4711
185	102	140TA8941*
190	90	165TA4712*
235	85	140TA8937
204	178	107TA5236
280	180	165TA4713
290	55	139TA6811
350	275	140TA8938
480	140	140TA8940
610	152	160TA9772
815	103	139TA1819
900	99	165TA4714
920	150	165TA4715
1000	100	139TA1816
1000	305	107TA5237
1000	610	107TA5238
1270	150	138TA7482
1300	102	165TA4716
1400	102	165TA4717
1800	101	165TA4718
2200	100	165TA4719

*** Antiskid floormat**

ANTISKID SPRAY



Transparant 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 m² 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 m²/kg
- Content: 5 kg

REF 164TA9701

SIGNALLING CHAINS



25 m signalling chains

Diameter mm	Colour	REF
6	Red/white	107TA8169
6	Black/yellow	107TA8166
8	Red/white	107TA8170
8	Black/yellow	107TA8167
10	Red/white	107TA8171
10	Black/yellow	107TA8168

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 triflash triangle

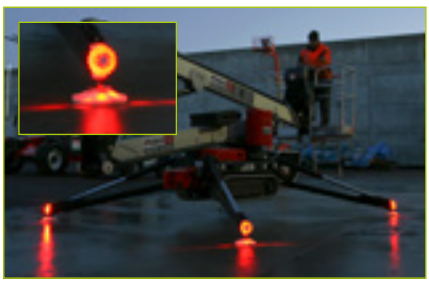
- Class 1: switches automatically from day mode to night mode
- Dimensions: 500 x 500 mm
- 3 m cable pre-wired
- Voltage: 12–24 V
- IP68
- Complies with NF EN 12352, NF P 98475 standards
- 2006/28/EC R02 10 03 069 use on local and county roads
- Dual-action hinge (front/back)
- 6 embedded LED lights
- 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

REF 141TA7068

REF 143TA4317 – Non-rechargeable version
REF 143TA4318 – Extra battery



Also available in a case of 6 pieces

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

Beta Utensili S.p.A. Authorized Dealer



- 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



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



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

LUBRIFICATION – 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 rang 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,**
or contact us via **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 detailled 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.

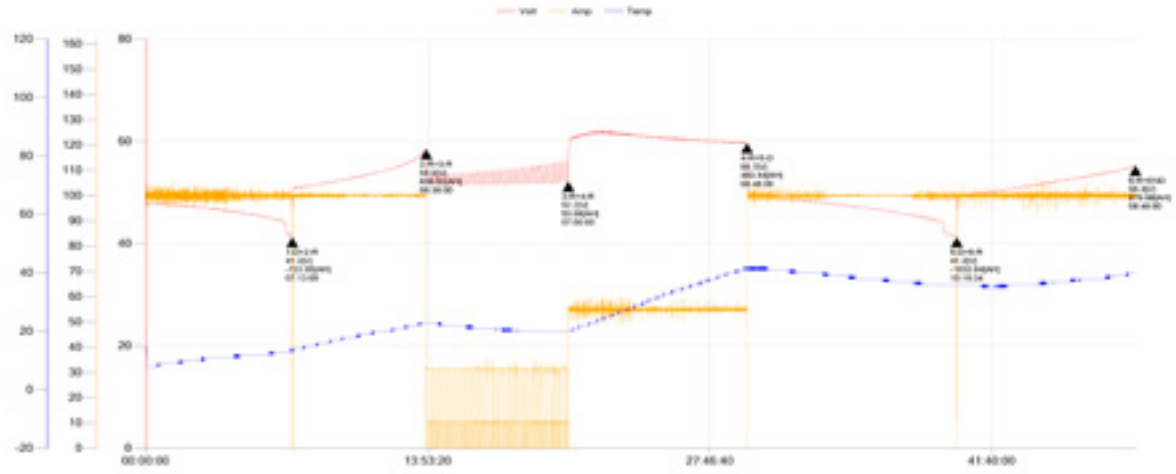
This curve shows a complete restoration:

1. Controlled discharge
2. Restoration
3. Restoration
4. Discharge
5. Restoration

Load Test Result (MCS)

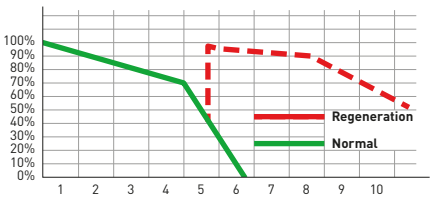
Site Name	Energic Pus HQ	Test Date	3/04/2015 14:06:11
Site Code	Waregem	Test Time	48:44:43 / 57:36:00
Province	West - Vlaanderen	MCS NO.	

Brand		Volt.	48V	Ah	1100	Cells	24	Standby Volt.	49.2V	Type		Year/Manuf.	2013	Ambient Temp.	27°c



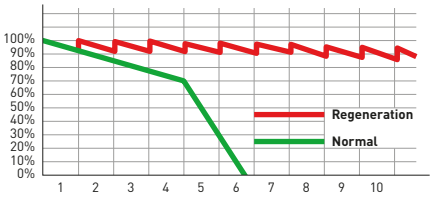
Index	Method	Pulse	Setup Time	Elapsed Time	Setup Volt	Max Volt	Min Volt	Setup Amp	AH	Temperature	%
1	Discharge	1	13:12:00	07:13:09	41.3	51.4	41.3	100.0	-722.0	+013	(66)
2	Restoration	1	06:36:00	06:36:00	60.4	58.5	43.5	100.0	659.9	+023	60
3	Restoration	4	07:00:00	07:00:00	62.4	56.3	51.4	31.4	53.1	+020	5
4	Restoration	2	08:48:00	08:48:00	62.4	62.1	52.4	55.0	483.4	+042	44
5	Discharge	1	13:12:00	10:19:34	41.3	57.4	41.3	100.0	-1032.6	+036	(94)
6	Restoration	2	08:48:00	08:48:00	62.4	55.3	43.3	100.0	880.0	+040	80
				48:44:43							

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.

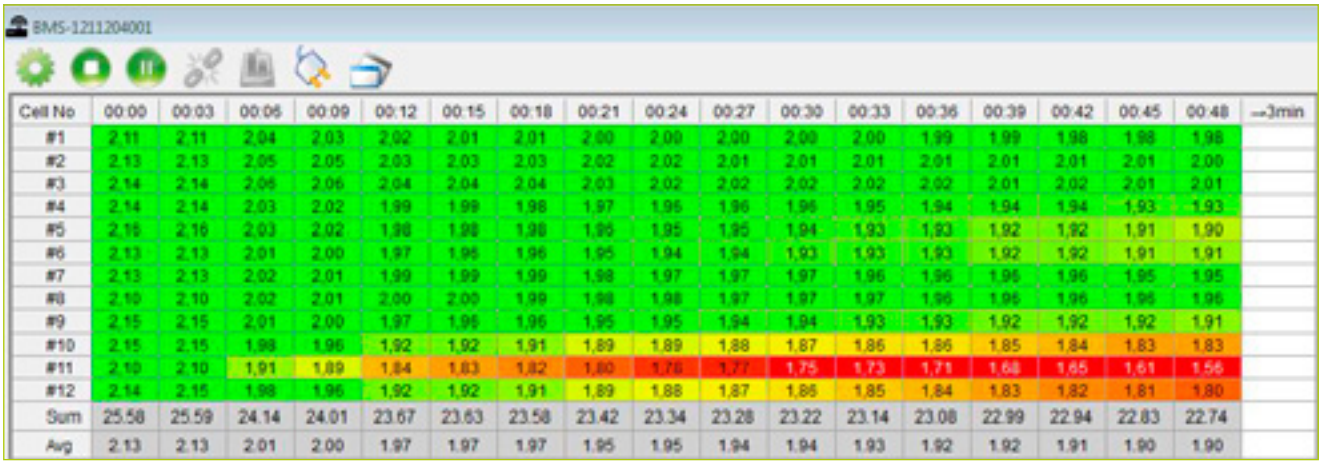
The BMS system offers:
- Duration test during the entire discharge/regeneration process
- Real-time monitoring
- Analysis function by means of the supplied software
- No tangled up wires thanks to the easy wireless connection
- Crystal-clear overview of the battery capacity
- Can be synched with the 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	2,00	
#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	1,90	
#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	1,95	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	1,86	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	



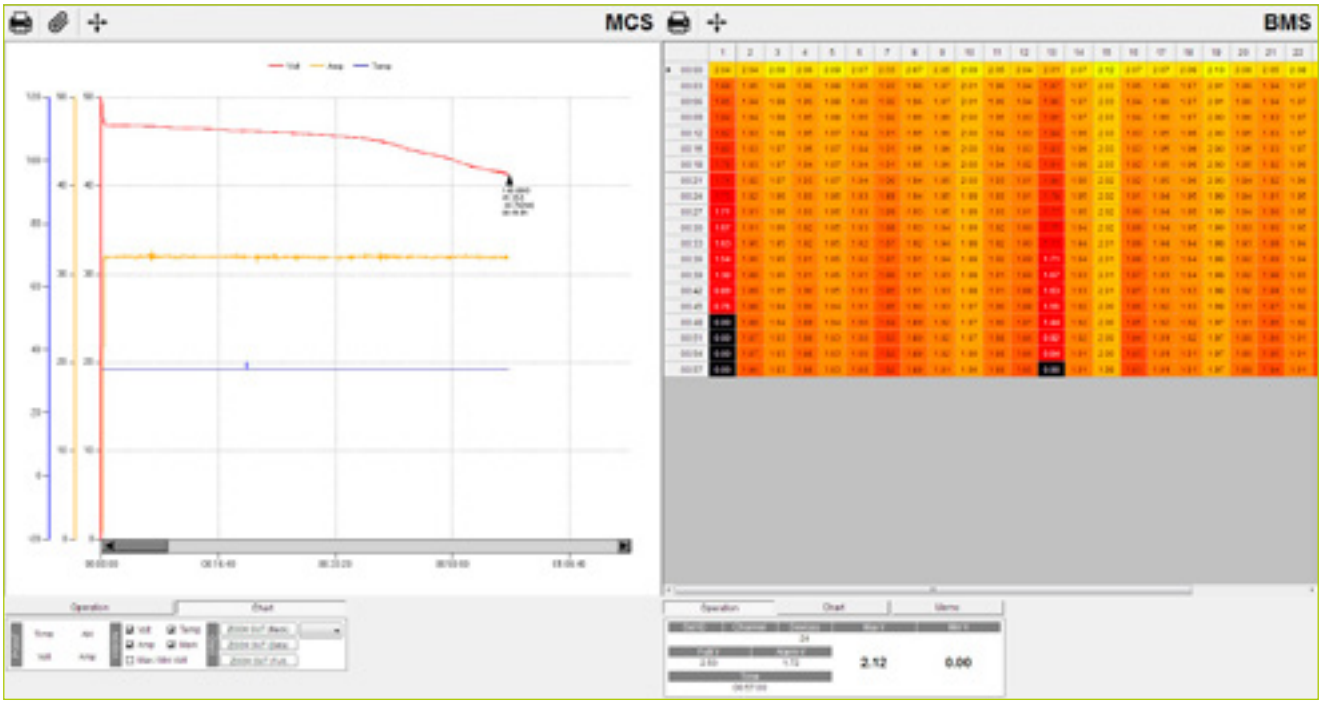
Custom-made BMS kits without receiver available on request.

Voltage V	Content	REF
6–48	9 sensors of 6 V (no receiver)	165TA3754
12–120	10 sensors* + 1 receiver	141TA5241
48	24 sensors** + 1 receiver	141TA1479
80	40 sensors** + 1 receiver	141TA1480
	BMS system for nickel-cadmium batteries 60 cells of 1,2 V and 15 sensors with 4 channels of 1,2 VDC	165TA3755
	Receiver for BMS system	165TA4722

* 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®

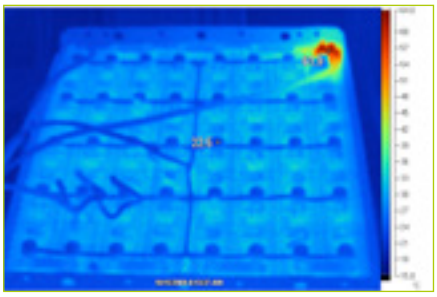




Fluke 279FC
Specifications:

- 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"/8,89 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/cm³ to 3 g/cm³
  - 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





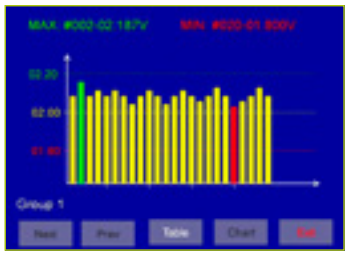
DISCHARGER AND BMS SYSTEM



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

. User-friendly
. No particular training needed

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 1000 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)	**REF 139TA1918** **REF 138TA6595** **REF 139TA5237**
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

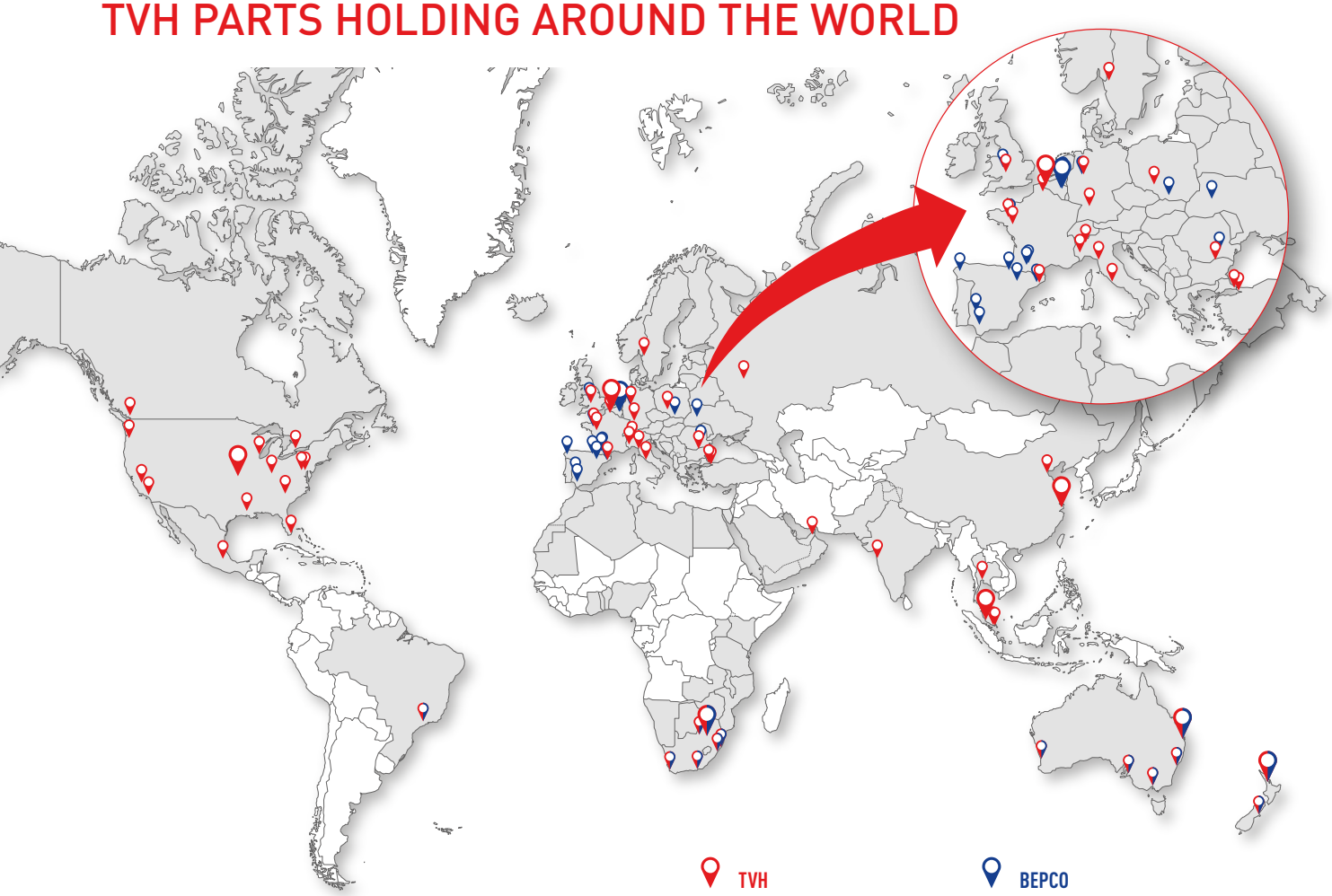
Mechanical	
Dimensions/weight	45 kg

Accessories	
Cable	70 mm² x 1,5 m, SB-350
USB	Provide USB

NOTES

WORLDWIDE PRESENCE

TVH PARTS HOLDING AROUND THE WORLD



TVH

BEPCO

AUSTRALIA
TVH AUSTRALIA PTY LTD
Dandenong South (Melbourne, Victoria) · Richlands (Brisbane, Queensland) · Welshpool (Perth, West Australia) · Wetherill Park (Sydney, New South Wales) · Wingfield (Adelaide, South Australia)

BELGIUM
TVH PARTS HOLDING NV
Waregem
TVH PARTS NV
Waregem
BEPCO PARTS SA
Hermalle-sous-Huy · Villers-le-Bouillet

BRASIL
TVH DO BRAZIL LTDA
Vinhedo

BULGARIA
TVH BULGARIA LTD
Ruse

CANADA
TVH CANADA LTD
Mississauga (Ontario) · Port Coquitlam (British Columbia)

CHINA
TVH TRADING (SHANGHAI) CO, LTD
Shanghai · Tianjin

FRANCE
TVH FRANCE SASU
Wattrelos
FRANCE HAYON SERVICE SAS
Châteaubourg
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