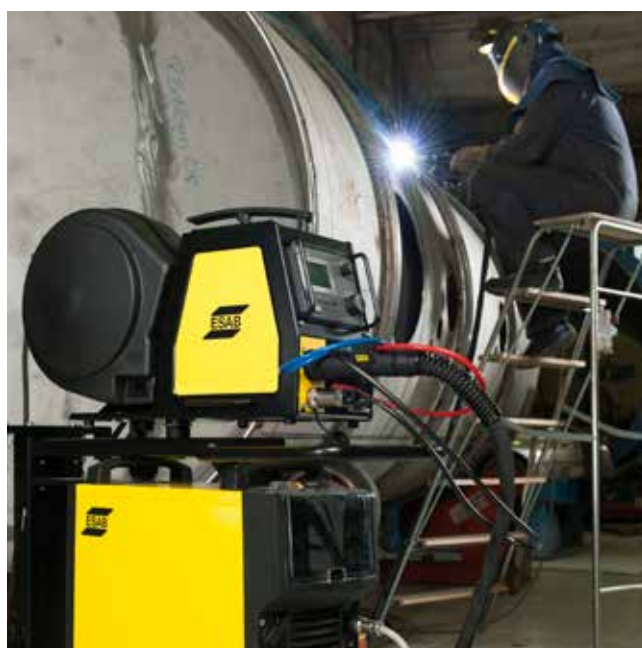


Standard welding and plasma cutting equipment

6th EDITION



Welding and cutting technology



For over 100 years now ESAB has been one of the leading and most innovative companies in welding and cutting technology.

We are continuously working on the optimization and development of welding and cutting processes so that customers and partners can profit from technical progress.

We do of course pay great attention to the quality of our products, which are manufactured and sold worldwide.

The experience of our staff, our service and our technical support are available to our partners worldwide.

A wide network of branches, area representatives and trading partners allow use to be close to our customers - worldwide.

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Key to package content identification

The coloured circles shown in the package description e.g:

Complete Package

● Origo™ Tig 3000i AC/DC TA24 + MMA welding cables
 + CoolMidi 1800 + torch TXH™ 251w
 + 4-wheels trolley 0459 795 882

cross refer to the individual items contained within the package itself, for example, in the case of the Origo™ Tig 3000i above, the package contains the items marked with the red circles, see below:

Ordering information

| | |
|---|--------------|
| Origo™ Tig 3000i, TA24 | |
| Origo™ Tig 3000i, TA24 AC/DC ● | 0459 735 880 |
| CoolMidi 1800 cooling unit ● | 0459 840 880 |
| Two-wheels trolley | 0459 366 890 |
| Four-wheels trolley ● | 0460 060 880 |

Welding and cutting technology

Manual Metal Arc Welding

Manual metal arc welding is often called manual electric welding, stick or MMA welding.

It is the oldest and most versatile form of arc welding. The electric arc is set up between a coated welding electrode and the work piece.

The metallic core of the coated welding electrode melts in the arc and becomes the molten weld pool drop by drop.

A portion of the coating stabilizes the arc and provides the required gas protection.

The rest of the coating forms a slag that protects the weld pool and the cooling seam from the atmosphere. This slag must be removed after each welding pass.

There are hundreds of different types of electrodes. The strength and toughness of the weld seam can be determined very precisely by their alloying elements.

MMA welding is mostly used on steel based materials. Despite its comparatively low deposition rates the process has unbeatable advantages when welding outdoors and in hard to reach places





ArcPlus™ II

No more spatter with ArcPlus™

ArcPlus™ allows welding without spatter even with difficult electrodes.

The restriking of the arc has been greatly improved, especially with basic electrodes.

Through ArcPlus™ II the welding current that is required for a stable process is also less than that required by conventional units



LiveTig™

TIG welding with manual metal arc or MAG units often fails due to the arc striking method.

LiveTig™ provides a reliable striking procedure for the TIG welding process, which is gentle on the electrodes.

Caddy® Arc 151i and 201i

MMA welding

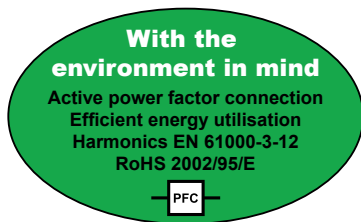
Developed for durability

The Caddy's are equipped with large OKC 50 welding current connections to withstand heavy loads. Due to the compact design and a polymer casing that is impervious to impacts, these devices are light and easy to transport. The large cooling unit and the carefully thought out design ensure a long working life and allow use even under rough working conditions.

The new inbuilt ArcPlus™ II function further improves the welding arc and ensures that there is less spatter and better restriking of the arc.

The Caddy® has been designed in such a way that all the main components in the machine are kept clean and free of dust. Caddy® complies with the requirements of insulation type IP 23 and is thus suitable for use outdoors. The long-lived construction and the excellent welding properties of the machines ensure reliable use on a day to day basis.

Power Factor Correction - PFC. Caddy® Arc is equipped with automated power factor correction (PFC), which minimizes disturbing feedback effects in the mains supply network. Furthermore, the devices are less sensitive to fluctuations in the mains power supply and thus allow operation from generators.

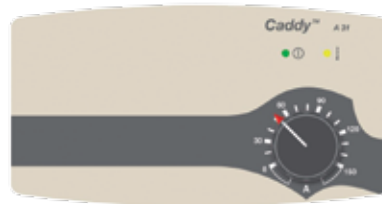


Mobile solutions for professional welding



- Professional welding applications
- Four different control panels to choose from
- Large action radius through the ability to use mains intermediate cables of Ø 2.5 mm² and up to 100 m in lengths without power losses, also improved compatibility with generators through PFC - Power Factor Correction
- IP 23 designed casework suitable for outdoor site work
- Robust housing that is impervious to impacts
- Thermal overload protection
- For installation and production
- For repair and maintenance

Control Panel A31



- For Caddy® Arc 151i
- Single button operation
- TIG (scratch start)
- Hot Start (preset)
- Arc Force (preset)

Control Panel A33



- For Caddy® Arc 151i and 201i
 - TIG with LiveTig™ striking
 - Hot Start (adjustable)
 - Arc Force (adjustable)
 - ArcPlus™ II controller
 - Digital display
 - Drop welding
 - Remotely controllable
 - Parameter storage (2x)
- Caddy® Arc 201i: safe processing by 4.0 mm electrodes through PFC - Power Factor Correction



Control Panel A32

- For Caddy® Arc 251i
- TIG with LiveTig™ striking
- Hot Start (adjustable, background menu)
- Arc Force (adjustable, background menu)
- ArcPlus™ II controller
- Digital display
- Drop welding
- Remote controllable



Control Panel A34

- For Caddy® Arc 251i
- Selection of electrode type Basic - rutile - cellulose
- TIG with LiveTig™ striking
- Hot Start (adjustable)
- Arc Force (adjustable)
- ArcPlus™ II controller
- Digital display
- Drop welding
- Remote controllable
- Parameter storage (2x)

| Technical data | Caddy® Arc 151i | Caddy® Arc 201i | Caddy® Arc 251i |
|--------------------------------|-----------------|-----------------|-----------------|
| Mains supply, V / ph | 230 / 1 | 230 / 1 | 400 / 3 |
| Fuse, slow, A | 16 | 16 | 10 |
| Setting range MMA (A31), A | 8 - 150 | - | - |
| Setting range MMA (A33), A | 4 - 150 | 4 - 170 | - |
| Setting range MMA (A32/A34), A | - | - | 4 - 250 |
| Setting range TIG (A33), A | 4 - 150 | 4 - 220 | - |
| Setting range TIG, A | - | - | 3 - 250 |
| Open circuit voltage (A31), V | 58 - 72 | - | - |
| Open circuit voltage (A33), V | 55 - 60 | 55 - 60 | - |
| Open circuit voltage, V | - | - | 65 |
| Power factor | 0,99 | 0,99 | 0,94 |
| Efficiency, % | 80 | 81 | 83 |
| Dimensions, LxWxH, mm | 418 x 188 x 208 | | |
| Weight, kg | 7,9 | 8,3 | 10,5 |
| Enclosure class | IP 23 | | |
| Application class | S | | |

| Maximum output at 40°C, MMA | | | |
|-----------------------------|-----|-----|-----|
| 25% duty cycle, A | 150 | 170 | - |
| 30% duty cycle, A | - | - | 250 |
| 60% duty cycle, A | 100 | 130 | 190 |
| 100% duty cycle, A | 90 | 110 | 150 |

| Maximum output at 40°C, TIG | | | |
|-----------------------------|-----|-----|-----|
| 20% duty cycle, A | - | 220 | - |
| 25% duty cycle, A | 150 | - | - |
| 30% duty cycle, A | - | - | 250 |
| 60% duty cycle, A | 120 | 150 | 190 |
| 100% duty cycle, A | 110 | 140 | 150 |

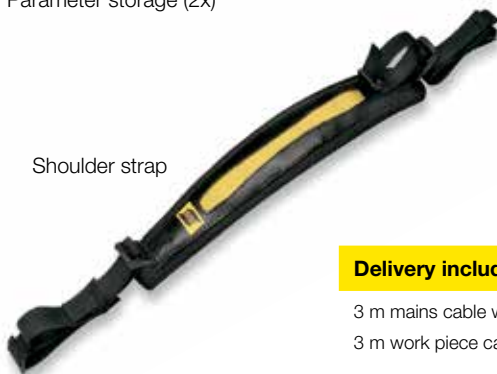
| Ordering information | |
|----------------------|---------------------|
| Caddy®Arc 151i, A31 | 0460 445 881 |
| Caddy®Arc 151i, A33 | 0460 445 883 |
| Caddy®Arc 201i, A33 | 0460 445 884 |
| Caddy®Arc 251i, A32 | 0460 300 880 |
| Caddy®Arc 251i, A34 | 0460 300 881 |

| Accessories Caddy® Arc | |
|---|---------------------|
| Shoulder strap | 0460 265 003 |
| Two-wheels trolley (for 5-10 liters gas bottle) | 0459 366 885 |
| TIG torch TXH™151V, 4m | 0700 300 539 |
| TIG torch TXH™151V, 8m | 0700 300 545 |
| TIG torch TXH™201V, 4m | 0700 300 553 |
| TIG torch TXH™201V, 8m | 0700 300 556 |

Trolleys page 72



Shoulder strap



Remote controller page 68



Delivery includes:
 3 m mains cable with plug, 3 m electrode holder cable,
 3 m work piece cable

The classic

Ever since the foundation of the company back in 1904, satisfying the needs and demands of our customers has always been our main focus. The company was founded by Oscar Kjellberg, a Swedish engineer and the inventor of the coated welding electrode.

His invention, which revolutionised the manufacture of boilers and ships, is still a core product in the ESAB range.

Today, in parallel with the development of modern filler metals ESAB has developed welding units that are perfectly matched for just about any process.

In addition to reliable inverter units such as the Caddy® or Aristo® there are still robust classics in the range like the : Origo™ Arc 250, 300 and 400.

They find application in work under the toughest conditions such as on construction sites, in wet conditions, and everywhere where power and reliability are required together with low investment costs.



Origo™ Arc 250, 300 and 400



- Movable core DC welding rectifier
- Stable direct current for almost any material
- Low investment costs
- No electronics - low maintenance costs
- Multi-voltage versions available
- Reliable even under the toughest working conditions
- Degrees of protection: IP23S - Ideal for working outdoors

| Technical data | Origo™ Arc 250 | Origo™ Arc 300 | Origo™ Arc 400 |
|-------------------------|-----------------|-----------------|-----------------|
| Mains supply, V / ph | 400 / 3 | 400 / 3 | 400 / 3 |
| Fuse, slow, A | 20 | 25 | 35 |
| Setting range MMA, A | 50 - 250 | 55 - 300 | 65 - 400 |
| Open circuit voltage, V | 65 - 75 | 65 - 75 | 70 - 80 |
| Dimensions, LxWxH, mm | 510 x 544 x 615 | 510 x 544 x 615 | 570 x 560 x 770 |
| Weight, kg | 98 | 105 | 158 |
| Enclosure class | IP 23 | IP 23 | IP 23 |
| Application class | S | S | S |

| Maximum output at 40°C, MMA | | | |
|-----------------------------|-----|-----|-----|
| 40% duty cycle, A | 250 | 285 | 400 |
| 100% duty cycle, A | 140 | 150 | 230 |

Ordering information

| | |
|----------------|---------------------|
| Origo™ Arc 250 | 0700 160 880 |
| Origo™ Arc 300 | 0700 160 881 |
| Origo™ Arc 400 | 0700 160 882 |

Ordering information, multi-voltage versions

| | |
|---|---------------------|
| Origo™ Arc 250 (230, 400, 500, 550 V 3ph) | 0700 160 883 |
| Origo™ Arc 300 (230, 400, 500, 550 V 3ph) | 0700 160 884 |
| Origo™ Arc 400 (230, 400, 500, 550 V 3ph) | 0700 160 885 |

Delivery includes:

Wheels, handles, mains cable 3 m without plug.

Origo™ Arc 410c, 650c and 810c

High-power DC rectifiers

In the Origo™ Arc C range the most modern power control technology and robust basic technology has found a perfect match. Stability and durability characterize these modern construction site welding power sources.



The welder benefits from Hot Start for optimal striking of the electrode or from Arc Force for perfect regulation of the process in all situations. Anti Stick prevents the electrodes from sticking to the workpiece at the start of the weld.

On large construction sites, in shipyards or when laying pipelines, many already put their trust in the legendary reliability of the Origo™ Arc welding units.

Remote controller N02

The remote controller N02, controls the current through the welding current circuit, without a separate control cable. Set the desired current, place the remote controller on the work piece, press the electrode against the measuring point and wait a moment - all done!

- Extremely well suited for difficult to run cellulosic
- Superlative welding characteristics - optimal quality
- Large setting range - versatile in use
- Mains voltage compensation - constant welding parameters and stable control
- Stepless current setting - can be controlled remotely and exact setting options
- HotStart, ArcForce and Anti Stick
- Optimally suited for gouging
- Suitable for special mains voltages
- Offshore versions with added protection for the toughest applications outdoors
- Available in stationary or mobile wheeled variants
- MIG/MAG welding with MobileFeed



Technical data

| | Origo™ Arc 410c |
|-------------------------|---------------------------|
| Mains supply, V / ph | 230 / 400 - 415 / 500 / 3 |
| Fuse, slow, A | 63 / 25 / 20 |
| Setting range MMA, A | 20 - 400 |
| Open circuit voltage, V | 53 - 70 |
| Dimensions, LxWxH, mm | 1310 x 800 x 780 |
| Weight, kg | 157 |
| Enclosure class | IP 23 |
| Application class | S |

Maximum output at 40°C, MMA

| | |
|--------------------|----------|
| 35% duty cycle, A | 400 / 36 |
| 60% duty cycle, A | 310 / 33 |
| 100% duty cycle, A | 240 / 30 |



Control Panel A12

- Selection of the welding procedure, welding electrode, gouging or TIG welding with contact striking
- Digital display
- HotStart (adjustable)
- ArcForce (adjustable)
- Suitable for cableless remote controller N02
- Remote controllable



N02

- Remote controller

Ordering information

| | |
|---------------------------------|--------------|
| Origo™ Arc 410c, A12 Offshore | 0349 311 480 |
| Origo™ Arc 410c, A12 Stationary | 0349 311 490 |
| Origo™ Arc 650c, A12 Offshore | 0349 311 500 |
| Origo™ Arc 650c, A12 Stationary | 0349 311 510 |
| Origo™ Arc 810c, A12 Offshore | 0349 311 430 |

Accessories Origo™ Arc 410c

| | |
|------------------------------------|--------------|
| Mains cable 4x4mmq, 5m | 0468 995 881 |
| CEE plug 400V/32A | 0349 891 208 |
| Welding cable, complete, 5m, 70mmq | 0700 006 894 |
| Return cable, complete, 5m, 70mmq | 0700 006 895 |

Accessories Origo™ Arc 650c and 810c

| | |
|------------------------------------|--------------|
| Mains cable 4x10mmq, lungeh. 5m | 0469 148 881 |
| CEE Plug 400V/63A | 0349 891 209 |
| Welding cable, complete, 5m, 95mmq | 0700 006 896 |
| Return cable, complete, 5m, 95mmq | 0700 006 897 |

Remote controller

| | |
|--------------------------------|--------------|
| N02 wireless remote controller | 0349 304 617 |
|--------------------------------|--------------|

| Origo™ Arc 650c | Origo™ Arc 810c |
|---------------------------|---------------------------|
| 230 / 400 - 415 / 500 / 3 | 230 / 400 - 415 / 500 / 3 |
| 80 / 50 / 35 | 100 / 63 / 50 |
| 20 - 650 | 20 - 800 |
| 53 - 70 | 53 - 70 |
| 1310 x 800 x 780 | 1310 x 800 x 780 |
| 223 | 245 |
| IP 23 | IP 23 |
| S | S |
| 650 / 44 | 800 / 44 |
| 490 / 40 | 630 / 44 |
| 400 / 36 | 500 / 40 |



Remote controller, page 68



Gouging torch: see ESAB accessories catalogue

Origo™ Mig 4004i A44

Optimum welding with MMA electrodes

High-performance inverters

The Origo™ Mig 4004i A44 is the ideal partner for manual metal arc welding in your operation or on the construction site.

A powerful device for production welding, repair and maintenance or on site installation.

This 3rd generation inverter offers considerable improved efficiency and power factor is approximately 1.

The ESAB Arc Plus™ II controller ensures superlative welding properties and perfect restriking when using basic MMA electrodes.

With the Origo™ Mig 4004i A44 you can work with electrodes of up to 6 mm in diameter without any problems, for gouging you can use carbon electrodes up to a diameter of 8 mm.

Optionally, MIG/MAG welding in conjunction with the MobileFeed 300 AVS wire feed device is possible.



- Superlative welding properties - High deposition and high quality
- Standby function – energy saving system.
- Internal dust filter - reduces possible failures due to dust particle ingress
- TIG welding with ESAB LiveTig™ striking
- IP 23 protection - for work outdoors
- Can be controlled remotely, digital display
- Integrated handles



| Technical data | Origo™ Mig 4004i |
|----------------------------|------------------|
| Mains supply, V / ph | 380 - 440 / 3 |
| Fuse, slow, A | 25 |
| Setting range, A | 16 - 400 |
| Open circuit voltage, V | 55 |
| Open circuit power, W | 100 |
| Power factor | 0,94 |
| Efficiency at max power, % | 88 |
| Dimensions, LxWxH, mm | 610 x 250 x 445 |
| Weight, kg | 46 |
| Enclosure class | IP 23 |
| Application class | S |

| Maximum output at 40°C | |
|------------------------|----------|
| 60% duty cycle, A/V | 400 / 36 |
| 100% duty cycle, A/V | 300 / 32 |



Control Panel A44

- Selection of electrode type, basic - rutile - cellulose
- MMA welding and TIG with LiveTig™ striking
- Hot Start and Arc Force can be set
- Stepless inductance
- Voltage Reduction Device
- Carbon arc gouging
- Two memories
- Digital display
- Drop welding and setting of TIG minimum current through a background menu
- Optional MIG/MAG welding with MobileFeed 300 AVS

Delivery includes:

5 m mains cable and CEE plug.
Return cable, complete, 5m.



Mobile Feed 300

Ordering information

| | |
|-----------------------------|--------------|
| Origo™Mig 4004, A44 | 0465 152 880 |
| Welding cable, complete, 5m | 0700 006 893 |
| MobileFeed 300 AVS | 0558 005 728 |



TIG torches, page 94



Remote controller, page 68

Gouging torch: see ESAB accessories catalogue



Buddy™ Arc 145, 180 and Buddy™ Tig 160

Portable solutions for professional welding

The Buddy™ family is a series of robust and durable power source for the professional welders. The machines provides state-of-the-art welding performance and reliability through use of the latest high grade IGBT technology.



Designed for durability

The Buddy™ Arc 145, 180 and Buddy™ Tig 160 are user friendly, robust and light weight stick (MMA) welding machines. Buddy™ Arc 180 and Buddy™ Tig 160 also features a Live TIG arc mode.

The internal electronics are cooled by a highly efficient fan for added reliability and monitored by a thermal protection system. The machine has been equipped with three heat sinks which further extending the life time of the product.

The casing has been designed to withstand harsh environments and is rated to IP 23S standard. The machines incorporates both a shoulder strap and a robust carry handle.

Ideal applications

- Plant Fabrication & Maintenance
- Site Maintenance/Repair
- Civil construction
- General Fabrication
- Agriculture



Buddy™ Arc 145 is very easy to use and features only one knob for the setting of the weld current.



Buddy™ Arc 180 features one knob for the setting of the weld current. A switch on the front panel provides easy selection of the MMA or TIG process.



The control panel on the Buddy™ Tig 160 features one adjustment knob to set the weld current and one to set the slope down time in TIG mode or the arc force in MMA mode.

Buddy™ Arc 145, 180 and Buddy™ Tig 160



Buddy™ Arc 145

Buddy™ Arc 180

Buddy™ Tig 160

- Superior arc characteristics
- Generator compliant
- Easy to use
- Practical & robust design
- Can be used with extended mains cable

| Technical data | Buddy™ Arc 145 | Buddy™ Arc 180 | Buddy™ Tig 160 |
|-------------------------------------|----------------|----------------|----------------|
| Mains supply, V / ph Hz | 230 / 1, 50/60 | 230 / 1, 50/60 | 230 / 1, 50/60 |
| Fuse, slow, A | 16 | 16 | 16 |
| Setting range MMA / TIG , A | 10 - 145 | 5 - 180 | 5 - 160 |
| Phase current I _{1eff} , A | | | |
| MMA | 10,8 | 16,0 | 14,6 |
| TIG | - | 12,5 | 10,2 |
| Dimensions, LxWxH, mm | 280x120x220 | 310x140x230 | 310x140x230 |
| Weight, kg | 3,6 | 6,0 | 6,0 |
| Enclosure class | IP 23S | IP 23S | IP 23S |
| Application class | S | S | S |

Maximum output at 40°C, MMA

| | | | |
|--------------------|-----------|------------|------------|
| 60% duty cycle, A | 70 / 22,8 | 125 / 25,0 | 105 / 24,2 |
| 100% duty cycle, A | 55 / 22,2 | 100 / 24,0 | 85 / 23,4 |

Maximum output at 40°C, TIG

| | | | |
|--------------------|---|------------|------------|
| 60% duty cycle, A | - | 130 / 15,2 | 105 / 14,2 |
| 100% duty cycle, A | - | 100 / 14,0 | 85 / 13,4 |

Ordering information

| | |
|----------------------------|---------------------|
| Buddy™ Arc 145 CE | 0700 300 884 |
| Buddy™ Arc 180 CE c/w Plug | 0700 300 680 |
| Buddy™ Tig 160 CE c/w Plug | 0700 300 681 |

Delivery includes:

- 3m Welding cable and return cable kits.
- 4m HF TIG Torch (Buddy™ Tig 160 Only)

Welding and cutting technology

MIG/MAG welding

MIG/MAG welding is one of the gas-shielded metal arc welding processes. The arc burns between a continuously fed and consumable wire electrode and the work piece. The arc and the weld pool are protected by an active or inert gas.

The process can be used with most materials and there is a wide range of filler metals.

Compared to manual metal arc welding, MIG/MAG welding is far more productive. There is no need to change electrodes frequently and the net productivity is significantly greater. For every kilogram of rod electrodes used, only around 65% actually goes into the welded material. With wire electrodes this value is already around 85 - 90%.

MIG/MAG welding is a very versatile process that allows high deposition rates to be attained in all positions. It is employed in almost all areas involving the welding of unalloyed and low-alloy steels, high-alloy steels, nickel-based materials and aluminium. MIG/MAG pulse welding is frequently used on high-alloy steels and aluminium. Filler wires are increasingly used, which have a whole series of advantages in addition to increased productivity.





QSet™

The arc has been reinvented! This unique, intelligent system is so flexible: whether it involves construction steel under CO₂, under a mixed gas, with stainless steel or aluminium, whether you weld with self-protecting cored wire without protective gas or cored wire with protective gas or carry out GMA brazing. QSet™ automatically adjust the arc to suit the wire/gas combination being used and sets the perfect parameters for a stable short arc. Lightning-fast regulation ensures that the welding can be undertaken with the minimum of spatter.



TrueArc Voltage™

Exact repeatability of welding parameters is particularly important for reproducing quality welds. ESAB units with True Arc Voltage™ measure the values directly at the Arc and not, as is usual, in the machine. You have the process firmly under control even when using extended cable lengths or torches.



SuperPulse™

With SuperPulse™ various types of arc can be superimposed in a process: the advantages of pulse-welding combined with those of the short arc, the spray arc or of a pulse with another frequency. In this way the welding speed, application of heat, weld penetration behaviour and deposition rate are perfectly balanced. Cold arc, deep weld penetration, perfect fusion - everything under control.

Caddy® Mig C160i and C200i

Experience a new level of mobility

Compact. light and powerful. Caddy® Mig C160i/C200i welding inverter is a perfect companion for your travels. Sling the carrying strap over your shoulder and go on to the next job. This go-anywhere welding unit offers industrial welding capacity even in the most remote of locations. Whether you choose the Caddy® Mig C160i or the intelligent C200i, your new partner will exceed your expectations. Commercial and professional welders alike are offered industrial welding capacity. From light metal structures, general repairs, car repairs, maintenance and installation work, repairs in agricultural situations, and industrial work. Tack-welding - whether in the workshop or on site. Robust, efficient, reliable and user-friendly. The single-phase 230 volt unit has the usual grounded plug and can be used with generators.

The best of all: the simplest possible operation. Set the thickness of the metal sheet and start welding. A colder or hotter weld pool can be set with a button. Or even easier still with the Caddy® Mig C200i - with QSet™

More power than ever before

The energy-efficient PFC module (Power Factor Correction) smoothes out the current for effective operation. The result is 30 % more welding capacity is available for the same fuse rating.

QSet™

Intelligent and self-learning- for the perfect short arc, for all material and gas combinations. You only have to choose the material and the thickness of the metal sheet, the rest is done for you by the Caddy® Mig C200i. The lightning-fast regulation ensures that you get consistent results. Also if there are changes in the wire stick out, for example, in confined spaces.



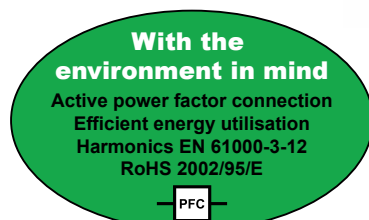
Caddy® Mig

- Setting through sheet thickness preselection
- Fine adjustment of the amount of heat put in
- Weight under 12 kg (incl. torch, work piece cable and main cable)
- 230 Volt / 50 Hz
- Generator-compatible
- For coil diameter 200 mm
- Quality torch MXL™ 180
- Tool holder
- Roller holder for torch and cable
- Simple polarity change for self-protecting cored wires



Caddy® Mig C160i

- Optimized for construction steel, metal sheet thicknesses from 0.5 - 4.0 mm.
- Solid and cored wire, wire diameter 0.8 mm





Caddy® Mig C200i

- Sheet metal thicknesses 0.5 - 6.0 mm
- Wire diameter 0.6 - 1.0 mm
- Construction steel & stainless steel
- Aluminium
- GMA brazing of galvanized metal sheets
- QSet™

Welding wires in 200 mm spools

Caddy® Mig C160i/C200i

Mild steels: Solid wire OK Autrod 12.51, Ø 0,8mm
Cored wire Coreshield 15, Ø 0,8mm

Caddy® Mig C200i

Stainless steels: OK Autrod 316LSi, Ø 0,8mm
OK Autrod 308LSi, Ø 1,0mm, 18Cr 8Ni steels

Aluminium: OK Autrod 5183, Ø 1,0 mm

GMA brazing: OK Autrod 19.30, Ø 1,0 mm

Ordering information for wires in 200 mm spools

| | | |
|-------------------|--------------|---------------------|
| OK Autrod 12.51, | Ø 0,8/5,0 kg | 1251 084 600 |
| Coreshield 15, | Ø 0,8/4,5 kg | 35UE 084 630 |
| OK Autrod 19.30, | Ø 1,0/5,0 kg | 1930 104 600 |
| OK Autrod 308LSi, | Ø 0,8/5,0 kg | 1612 084 600 |
| OK Autrod 316LSi, | Ø 0,8/5,0 kg | 1632 084 600 |
| OK Autrod 5183, | Ø 1,0/2,0 kg | 1816 104 62E |

Delivery includes

Welding torch with 3m cable, mains cable 3m with plug, protective gas hose 4,5m with clamp and quick connector, earth cable complete, carrying strap, consumables for 0.8 mm wire and instructions for use. 1 kg welding wire OK Autrod 12.51, 0.8 mm



| Technical data | Caddy® Mig C160i | Caddy® Mig C200i |
|--------------------------------------|------------------|------------------|
| Mains supply, V / ph | 230 / 1 | |
| Fuse, slow, A | 16 | |
| Auto-fuse (MCB) EN 60898-B, A | 16 | 20 |
| Power requested from generator*, kVA | 5,5 | 6,5 |
| Setting range, A | 30 - 160 | 30 - 200 |
| Open circuit voltage, V | 60 | |
| Open circuit power, W | 15 | |
| Power factor | 0,99 | |
| Efficiency at max power, % | 82 | |
| Wire feed speed, m/min | 2 - 11 | 2 - 12 |
| Dimensions, LxWxH, mm | 449 x 198 x 347 | |
| Weight, Kg | 11,4 | 11,5 |
| Enclosure class | IP23 | |
| Application class | S | |

* Generator with automatic voltage regulator

Maximum output at 40°C

| | | |
|--------------------|-----|-----|
| 25% duty cycle, A | --- | 180 |
| 35% duty cycle, A | 150 | 150 |
| 100% duty cycle, A | 100 | 100 |

Usable wire diameters, mm

| | | |
|--------------------|-----|-----------|
| Mild steels | 0,8 | 0,6 - 1,0 |
| Stainless steels | --- | 0,6 - 1,0 |
| Cored wires | 0,8 | 0,8 |
| Aluminium | --- | 1,0 |
| Brazing CuSi wires | --- | 0,8 - 1,0 |

Ordering information

| | |
|--------------------|---------------------|
| Caddy® Mig C160i | 0349 310 850 |
| Caddy® Mig C200i | 0349 312 030 |
| Two-wheels trolley | 0459 366 887 |



Origo™ Mig/Mag C 170, 171, 200, 201, 250, 251

Compact units for Light/Medium Duty and commercial use



- Power Smoothing Device™ - excellent welding properties for single-phase units
- Simple polarity changing - allows the use of solid wire and filler wire

- Also suitable for the welding of aluminium and GMA brazing of galvanized metal sheets
- IP 23 - allows use outdoors
- Simple setting of the welding parameters
- MXL™ torches - stable and long-lived professional torch for compact units

| Technical data | Origo™ Mig C170 | Origo™ Mag C171 | Origo™ Mig C200 | Origo™ Mag C201 | Origo™ Mig C250 | Origo™ Mag C251 |
|------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Mains supply, V / ph | 400 / 3 | 230 / 1 | 400 / 3 | 230 / 1 | 400 / 3 | 230 / 1 |
| Fuse, slow, A | 10 | 16 | 10 | 20 | 16 | 35 |
| Setting range, A | 30 - 170 | 30 - 170 | 30 - 200 | 30 - 200 | 40 - 280 | 40 - 250 |
| Burn-back time, sec | 0,02 - 0,25 | 0,02 - 0,25 | 0,02 - 0,25 | 0,02 - 0,25 | 0,02 - 0,25 | 0 - 0,25 |
| Spot welding time, sec | 0,2 - 2,5 | 0,2 - 2,5 | 0,2 - 2,5 | 0,2 - 2,5 | 0,2 - 2,5 | 0,2 - 2,5 |
| Voltage steps | 8 | 8 | 10 | 12 | 10 | 12 |
| Polarity change | yes (optional) | yes | yes | yes | yes | yes |
| Dimensions, LxWxH, mm | 860 x 420 x 730 | 860 x 420 x 730 | 860 x 420 x 730 | 860 x 420 x 730 | 860 x 420 x 730 | 860 x 420 x 730 |
| Weight, kg | 63,5 | 59 | 72,5 | 68 | 82 | 94 |
| Spool type, Ømm/kg | 300 / 18 | 300 / 18 | 300 / 18 | 300 / 18 | 300 / 18 | 300 / 18 |
| Enclosure class | IP 23 | IP 23 | IP 23 | IP 23 | IP 23 | IP 23 |
| Application class | S | S | S | S | S | S |

Maximum output at 40°C

| | | | | | | |
|--------------------|-----|-----|-----|-----|-----|-----------|
| 20% duty cycle, A | - | 170 | - | 200 | - | 250 |
| 35% duty cycle, A | 170 | - | 200 | - | 250 | 200 (30%) |
| 60% duty cycle, A | 130 | 98 | 150 | 115 | 190 | 140 |
| 100% duty cycle, A | 100 | 76 | 120 | 90 | 150 | 110 |

Usable wire diameters, mm

| | | | | | | |
|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Mild and stainless steels | 0,6 - 0,8 | 0,6 - 0,8 | 0,6 - 1,0 | 0,6 - 0,8 | 0,6 - 1,2 | 0,6 - 1,2 |
| Cored wires | 0,8 | 0,8 | 0,8 - 1,0 | 0,8 | 0,8 - 1,2 | 0,8 - 1,2 |
| Aluminium | 1,0 | 1,0 | 1,0 | 1,0 | 1,0 - 1,2 | 1,0 - 1,2 |
| Brazing CuSi wires | 0,8 - 1,0 | 0,8 - 1,0 | 0,8 - 1,0 | 0,8 - 1,0 | 0,8 - 1,0 | 0,8 - 1,0 |

Delivery includes

| | | | | | | |
|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Welding torch | MXL™ | MXL™ | MXL™ | MXL™ | MXL™ | MXL™ |
| Type/cable length | 200 / 3,0 m | 200 / 3,0 m | 200 / 3,0 m | 200 / 3,0 m | 270 / 3,0 m | 270 / 3,0 m |
| Connection | Euro | Euro | Euro | Euro | Euro | Euro |

Mains cable 3m with plug, gas hose 1,5m with clamps and quick connector, earth cable complete, wear parts for 0,6-0,8mm wire (0,8-1,0mm for C250) pre-assembled, safety chain for gas bottle and wheels.

Ordering information

| | |
|---------------------|---------------------|
| Origo™ Mag C171 | 0349 311 280 |
| Origo™ Mig C170 3ph | 0349 308 670 |
| Origo™ Mag C201 | 0349 311 290 |
| Origo™ Mig C200 3ph | 0349 308 290 |
| Origo™ Mag C251 | 0349 311 420 |
| Origo™ Mig C250 3ph | 0349 307 840 |

Accessories

| | |
|--|---------------------|
| Digital V/A instruments kit | 0349 302 598 |
| Transformer kit for CO2 preheater (42V – 50/60 Hz) | 0349 302 250 |
| Pressure reducer with flux-meter | 0000 973 096 |
| Polarity inversion kit (for Origo™ Mig C170) | 0349 309 310 |

| Technical data | MXL™ 150V | MXL™ 180 | MXL™ 200 | MXL™ 270 |
|--|-----------------------|-----------|------------------------|-----------|
| | With fixed connection | | With central connector | |
| CO ₂ , A / duty cycle, % | 150 / 35 | 180 / 35 | 200 / 35 | 270 / 35 |
| Ar/CO ₂ , A / duty cycle, % | 150 / 35 | 150 / 35 | 170 / 35 | 260 / 35 |
| Wire diameters, mm | 0,6 - 0,8 | 0,6 - 1,0 | 0,6 - 1,0 | 0,8 - 1,2 |

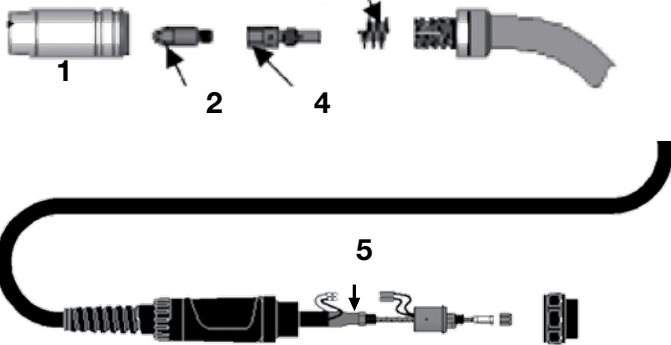
Ordering information – torches and wear parts

| | | | | |
|---------------------------------|--------------|--------------|--------------|--------------|
| Torch with 2,5m cable | 0700 200 001 | - | - | - |
| Torch with 3,0m cable | - | 0349 483 070 | 0700 200 002 | 0700 200 004 |
| Torch with 4,0m cable | - | - | 0700 200 003 | 0700 200 005 |
| Swan neck | 0700 200 050 | 0700 200 051 | 0700 200 051 | 0700 200 052 |
| 1 - Gas nozzle standard Ø 12mm | 0700 200 054 | 0700 200 054 | 0700 200 054 | - |
| 1 - Gas nozzle standard Ø 15mm | - | - | - | 0700 200 055 |
| 1 - Gas nozzle straight Ø 16mm | 0700 200 057 | 0700 200 057 | 0700 200 057 | - |
| 1 - Gas nozzle straight Ø 18mm | - | - | - | 0700 200 058 |
| 1 - Gas nozzle conical Ø 9,5mm | 0700 200 060 | 0700 200 060 | 0700 200 060 | - |
| 1 - Gas nozzle conical Ø 11,5mm | - | - | - | 0700 200 061 |
| 2 - Contact tip Cu W 0,6 M6 | 0700 200 063 | 0700 200 063 | 0700 200 063 | - |
| 2 - Contact tip Cu W 0,8 M6 | 0700 200 064 | 0700 200 064 | 0700 200 064 | 0700 200 068 |
| 2 - Contact tip Cu W 0,9 M6 | 0700 200 065 | 0700 200 065 | 0700 200 065 | 0700 200 069 |
| 2 - Contact tip Cu W 1,0 M6 | 0700 200 066 | 0700 200 066 | 0700 200 066 | 0700 200 070 |
| 2 - Contact tip Cu W 1,2 M6 | - | - | - | 0700 200 071 |
| 3 - Nozzle spring | 0700 200 078 | 0700 200 078 | 0700 200 078 | 0700 200 079 |
| 4 - Tip adapter M6 | 0700 200 076 | 0700 200 072 | 0700 200 072 | 0700 200 073 |
| 4 - Tip adapter M6 Alu | - | - | - | 0700 200 067 |
| 5 - Steel liner W0,6-W0,8-2,5m | 0700 200 099 | - | - | - |
| 5 - Steel liner W0,6-W0,8-3,0m | - | 0700 200 085 | 0700 200 085 | 0700 200 085 |
| 5 - Steel liner W0,6-W0,8-4,0m | - | - | 0700 200 086 | 0700 200 086 |
| 5 - Steel liner W0,9-W1,2-3,0m | - | 0700 200 087 | 0700 200 087 | 0700 200 087 |
| 5 - Steel liner W0,9-W1,2-4,0m | - | - | 0700 200 088 | 0700 200 088 |
| 5 - PTFE liner W0,6-W0,8-3,0m | - | 0700 200 089 | 0700 200 089 | 0700 200 089 |
| 5 - PTFE liner W0,6-W0,8-4,0m | - | - | 0700 200 090 | 0700 200 090 |
| 5 - PTFE liner W0,9-W1,2-3,0m | - | 0700 200 091 | 0700 200 091 | 0700 200 091 |
| 5 - PTFE liner W0,9-W1,2-4,0m | - | - | 0700 200 092 | 0700 200 092 |

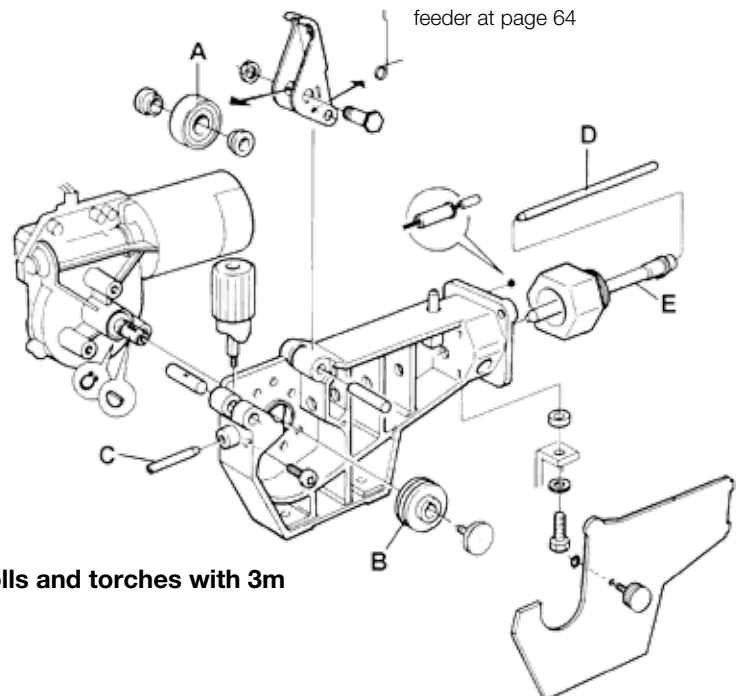
MXL™ 180 / 200



MXL™ 270



Wear and spare parts for wire feeder at page 64



Welding with aluminium wires. Use appropriate feeding rolls and torches with 3m cable.

Origo™ Mig C series PRO

Compact units for professional use

Origo™ Mig C280 PRO



Origo™ Mig C340 PRO



Origo™ Mig C420w PRO



| Technical data | Origo™ Mig C280 PRO | Origo™ Mig C280 PRO 4WD | Origo™ Mig C340 PRO |
|--------------------------------|------------------------|----------------------------|------------------------|
| Mains supply, V / ph | 400 / 3 | 400 / 3 | 400 / 3 |
| Fuse, slow, A | 16 | 16 | 16 |
| Setting range, A | 30 - 280 | 30 - 280 | 40 - 340 |
| Burn-back time, sec | 0 - 0,25 | 0 - 0,25 | 0 - 0,5 |
| Spot welding time, sec | 0,2 - 2,5 | 0,2 - 2,5 | - |
| Voltage steps | 10 | 10 | 40 |
| Polarity change | yes | yes | yes |
| Inductance outlets | 2 | 2 | 2 |
| 2/4 stroke control | - | - | yes |
| Creep start | - | - | yes |
| Dimensions, LxWxH, mm | 840 x 425 x 830 | 840 x 425 x 830 | 840 x 425 x 830 |
| Weight, kg | 97 | 97 | 120 |
| Spool type, Ømm/kg | 300 / 18 | 300 / 18 | 300 / 18 |
| Feed rolls | 2 | 4 | 2 |
| Enclosure class | IP 23 | IP 23 | IP 23 |
| Application class | S | S | S |
| Maximum output at 40°C | | | |
| Max current, A at duty cycle % | 280 / 30 % | 280 / 30 % | 340 / 30 % |
| 60% duty cycle, A | 190 | 190 | 250 |
| 100% duty cycle, A | 150 | 150 | 195 |
| Usable wire diameters | | | |
| Mild and stainless steels | 0,6 - 1,0 | 0,6 - 1,0 | 0,6 - 1,2 |
| Cored wires | 0,9 - 1,2 | 0,9 - 1,2 | 0,9 - 1,2 |
| Aluminium | 1,0 - 1,2 | 1,0 - 1,2 | 1,0 - 1,2 |

Delivery includes

| | | | |
|-------------------|-------------|-------------|-------------|
| Welding torch | PSF™ | PSF™ | PSF™ |
| Type/cable length | 250 / 3,0 m | 250 / 4,5 m | 305 / 3,0 m |
| Connection | Euro | Euro | Euro |

Mains cable 5m with plug, gas hose 1,5m with clamps and quick connector, earth cable complete, wear parts for 0,8-1,0mm wire (C280), 1,0-1,2mm (C340-420), safety chain for gas bottle and wheels.

- Very good welding properties - stable arc and very finely matched voltage steps
- Also suitable for the welding of aluminium and GMA brazing of galvanized metal sheets
- Galvanized metal housing with optional air filter designed for use under rough conditions
- Two or three inductance connections - optimal arc dynamics
- 4-roll wire feed available - perfect wire conveying
- Professional ESAB PSF™ torches included
- Origo™ Mig C340 PRO and C420w PRO optionally with electric Push-Pull welding torch in 6 or 10 m length
- Simple polarity change - allows the use of solid wire and cored wire
- Origo™ Mig C420w PRO with ELP, ESAB LogicPump (forced switching over of the water cooling if required)

Ordering information

| | |
|------------------------------|--------------|
| Origo™ Mig C280 PRO 2WD V/A | 0349 312 510 |
| Origo™ Mig C280 PRO 4WD V/A | 0349 312 520 |
| Origo™ Mig C340 PRO 2WD V/A | 0349 312 550 |
| Origo™ Mig C340 PRO 4WD V/A | 0349 310 830 |
| Origo™ Mig C420w PRO 4WD V/A | 0349 312 590 |
| Origo™ Mig C420 PRO 4WD V/A | 0349 312 580 |

Accessories

| | |
|--|--------------|
| Anti-dust filter C280-C340 (steel grid) | 0349 302 599 |
| Anti-dust filter C420w (steel grid) | 0349 302 252 |
| Transformer kit for preheater | 0349 302 250 |
| Cable holder | 0349 303 362 |
| Water flow guard | 0349 302 251 |
| Pressure reducer with flux-meter | 0000 973 096 |
| Connection kit MXH /Origo™ Mig C340 PRO | 0349 308 980 |
| Connection kit MXH /Origo™ Mig C420w PRO | 0349 308 337 |

Ordering information for special versions

Multi-voltage types (230/415-500V, 50Hz, 230/440-460V, 60Hz, three-phase)

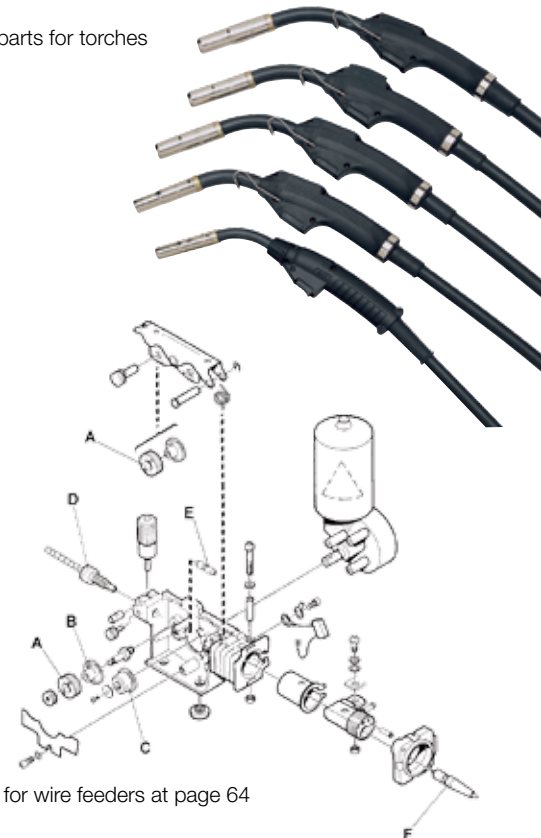
| | |
|-----------------------------|--------------|
| Origo™ Mig C280 PRO 2WD V/A | 0349 312 530 |
| Origo™ Mig C280 PRO 4WD V/A | 0349 312 540 |
| Origo™ Mig C340 PRO 2WD V/A | 0349 312 560 |
| Origo™ Mig C340 PRO 4WD V/A | 0349 312 570 |

| Origo™ Mig C340 PRO 4WD | Origo™ Mig C420/C420w PRO |
|----------------------------|------------------------------|
|----------------------------|------------------------------|

| | |
|-----------------|-----------------|
| 400 / 3 | 400 / 3 |
| 16 | 32 |
| 40 - 340 | 50 - 420 |
| 0 - 0,5 | 0 - 0,5 |
| - | - |
| 40 | 35 |
| yes | yes |
| 2 | 3 |
| yes | yes |
| yes | yes |
| 840 x 425 x 830 | 935 x 640 x 800 |
| 120 | 230 |
| 300 / 18 | 300 / 18 |
| 4 | 4 |
| IP 23 | IP 23 |
| S | S |
| 340 / 30 % | 420 / 50 % |
| 250 | 400 |
| 195 | 315 |
| 0,6 - 1,2 | 0,6 - 1,6 |
| 0,9 - 1,2 | 0,9 - 1,6 |
| 1,0 - 1,2 | 1,0 - 1,6 |

| | |
|-------------|------------------|
| PSF™ | PSF™ |
| 305 / 4,5 m | 405 / 410w 4,5 m |
| Euro | Euro |

Wear and spare parts for torches
at page 60



Wear and spare parts for wire feeders at page 64

Mig C3000i

Inverters for fabrication and industry



- Inverters with first-class welding properties
- MMA welding with electrodes up to 6.0 mm diameter
- TrueArcVoltage™ guarantees the exact welding voltage
- Electronically-regulated motor for constant wire feed
- 4-roll wire feed mechanism
- Excellent GMA brazing of galvanized sheets
- Cooler optional, with ELP, ESAB LogicPump (forced switching over of the water cooling if required)
- Optionally with electric Push-Pull welding torch in 6 or in 10 m length
- Can be controlled remotely, digital display
- IP 23 - allows use outdoors

Control Panel MA24

- Controller in the wire feed device for MIG/MAG and MMA electrode welding
- 35 preprogrammed synergic lines
- QSet™ Parameter automation
- 2 / 4 stroke torch switch actions
- Gas test and tension-free wire feed
- Gas pre- and post-flow can be set
- Creep start and end crater filling
- Continuous choke setting
- 3 memory slots, can be called up from the torch button
- Can be controlled remotely, digital display

| Technical data | Origo™ Mig C3000i |
|-----------------------|-------------------|
| Mains supply, V / ph | 400 / 3 |
| Fuse, slow, A | 16 |
| Setting range, A | 16 - 300 |
| Current adjustment | stepless |
| Dimensions, LxWxH, mm | 652 x 412 x 423 |
| Weight, kg | 40,5 |
| Spool type, Ømm/kg | 300 / 18 |
| Feed rolls | 4 rolls |
| Enclosure class | IP 23 |
| Application class | S |

| Maximum output at 40°C | |
|------------------------|-----|
| 35% duty cycle, A | 300 |
| 60% duty cycle, A | 240 |
| 100% duty cycle, A | 200 |

| Usable wire diameters | |
|---------------------------|-----------|
| Mild and stainless steels | 0,6 - 1,2 |
| Cored wires | 1,0 - 1,2 |
| Aluminium | 1,0 - 1,2 |

Delivery includes

Mains cable 5m with plug, gas hose 2m with clamps and quick connector, earth cable complete, wear parts for 0,8-1,0mm wire.

Origo™ Mig C3000i MA24 is supplied with PSF305 torch - 4,5m.





Control Panel U6

- MIG/MAG pulse-type welding
- QSet™ Parameter automation
- Preprogrammed synergic lines
- 2/4 -stroke torch controller
- End of weld crater filling
- Creep start, Hot Start and wire burn-back time that can be set
- Gas pre- and post-flow can be set
- Gas test and tension-free wire feed
- Professional MMA electrode welding
- 10 memory slots
- Multi-lingual menu guidance
- Limit value assignment, password protection



Origo™ Mig C3000i MA24
Package, complete **0459 795 887** ◉

Complete Package

◉ Origo™ Mig C3000i MA24 + torch PSF™ 305 – 4,5 mt. .
+ earth cable 4,5 mt. + two wheels trolley **0459 795 887**

Ordering information

| | |
|---------------------------------------|---------------------|
| Origo™ Mig C3000i MA24 (with QSet™) ◉ | 0459 750 881 |
| Aristo® Mig C3000i U6 | 0459 750 882 |
| Two-wheels trolley | 0459 366 890 |
| Four-wheels trolley | 0460 060 880 |
| Cooling unit CoolMidi 1800 | 0459 840 880 |

Welding torches

| | |
|---------------------------------|---------------------|
| PSF™ 305, L=3,0m, self-cooled | 0458 401 880 |
| PSF™ 305, L=4,5m, self-cooled ◉ | 0458 401 881 |
| PSF™ 410w, L=3,0m, water cooled | 0458 400 882 |
| PSF™ 410w, L=4,5m, water cooled | 0458 400 883 |

Torches MXH™, electric Push-pull, pages 75-77

Accessories

| | |
|--|---------------------|
| Connection kit for MXH™ torches, with remote control | 0459 681 891 |
| Connection kit for MXH™ torches, with start-stop control | 0459 020 883 |
| Pressure reducer with flux-meter | 0000 973 096 |

Wear and spare parts for wire feeders at page 64

Remote controller
at page 68



Trolley
0460 060 880



Origo™ Mig L305 and L405

Reliable and simple to use MIG/MAG units



- Low investment costs
- Robust, step-controlled MIG/MAG units
- 10 or 40 voltage steps
- Choice of 2- or 4-rolls wire feed mechanism
- Intermediate cables up to 10 m
- Galvanized sheet steel housing



Origo™ Feed L302

- 2-roll feed
- Wire feed speed
- Wire burn-back time
- 2/4 cycle torch controller



Origo™ Feed L304

- 4-roll wire feed
- Wire feed speed
- Wire burn-back time
- Spot-welding
- Creep start
- Voltage free inching of the wire
- Gas test
- 2/4 cycle torch controller

| Technical data | Origo™ Mig L305 | Origo™ Mig L405/L405w |
|-----------------------------------|-----------------|-----------------------|
| Mains supply, V / ph | 400 / 3 | |
| Fuse, slow, A | 16 | 20 |
| Setting range, A | 30 - 300 | 50 - 400 |
| Voltage steps | 10 | 40 |
| Inductance outlets | 2 | |
| Dimensions, LxWxH, mm | 782 x 425 x 830 | 812 x 552 x 925 |
| Weight, kg (without cooling unit) | 89 | 142 |
| Weight, kg (with cooling unit) | - | 156 |
| Enclosure class | IP 23 | |
| Application class | S | |

| Maximum output at 40°C | | |
|--------------------------------|----------|----------|
| Max current, A at duty cycle % | 300 / 25 | 400 / 50 |
| 60% duty cycle, A | 190 | 365 |
| 100% duty cycle, A | 150 | 280 |

| Technical data | Origo™ Feed L302 | Origo™ Feed L304 |
|----------------------------------|------------------|------------------|
| Wire feed speed, m/min | 1,5 - 22 | |
| Wire burn-back time, sec | 0 - 0,7 | |
| Spot-welding time, sec | - | 0,2 - 5,0 |
| 2/4 cycle torch controller | yes | |
| Creep start | - | yes |
| No-current threading of the wire | - | yes |
| Gas test | - | yes |
| Dimensions, LxWxH, mm | 569 x 259 x 355 | |
| Weight, kg | 12,6 | 13,2 |
| Spool type, Ø mm/kg | 300 / 18 | |
| Feeding rolls | 2 | 4 |
| Enclosure class | IP 23 | |

| Usable wire diameters, mm | | |
|---------------------------|-----------|-----------|
| Mild and stainless steels | 0,6 - 1,2 | 0,6 - 1,6 |
| Cored wires | 0,8 - 1,2 | 0,8 - 1,6 |
| Aluminium | 1,0 - 1,2 | 1,0 - 1,6 |

Ordering information

Power sources

| | |
|--------------------------------|--------------|
| Origo™ Mig L305 | 0349 309 700 |
| Origo™ Mig L405 | 0349 306 517 |
| Origo™ Mig L405w water cooling | 0349 306 563 |
| Origo™ Mig L405 V/A | 0349 313 090 |

Power source, multivoltage version

230/400-415/500V 50Hz: 2307440-460V 60Hz

| | |
|----------------|--------------|
| Origo Mig L405 | 0349 306 594 |
|----------------|--------------|

Wire feeders

| | |
|-------------------------|--------------|
| Origo™ Feed L302, open | 0459 495 782 |
| Origo™ Feed L304, open | 0459 495 882 |
| Origo™ Feed L304w, open | 0459 495 892 |

Connection cables

| | |
|--------------------------------------|--------------|
| Air/water connection cable - mt. 1,7 | 0459 532 880 |
| Connection cable, air - m. 5 | 0459 532 881 |
| Connection cable, air - m. 10 | 0459 532 882 |
| Connection cable, water - m. 5 | 0459 532 891 |
| Connection cable, water - m. 10 | 0459 532 892 |
| Connection cable, air - m. 15 | 0459 532 883 |
| Connection cable, water - m. 15 | 0459 532 893 |

Welding torches

| | |
|------------------------------------|--------------|
| PSF™ 305, L = 3,0 m, self-cooled | 0458 401 880 |
| PSF™ 305, L = 4,5 m, self-cooled | 0458 401 881 |
| PSF™ 405, L = 3,0 m, self-cooled | 0458 401 882 |
| PSF™ 405, L = 4,5 m, self-cooled | 0458 401 883 |
| PSF™ 410w, L = 3,0 m, water cooled | 0458 400 882 |
| PSF™ 410w, L = 4,5 m, water cooled | 0458 400 883 |

Accessories

| | |
|--|--------------|
| Digital instruments kit for Origo™ Mig L305 | 0349 302 598 |
| Digital instruments kit for Origo™ Mig L405 | 0349 302 451 |
| Transformer kit for CO2 preheater (42V – 50/60 Hz) | 0349 302 451 |
| Stabilizer (for counterbalance device - L305) | 0349 302 451 |
| Stabilizer (for counterbalance device - L405) | 0349 303 474 |
| Reinforcement for counterbalance device | 0349 309 748 |
| Pressure reducer with flux-meter | 0000 973 096 |
| Wheels kit for Origo™ Feed L302/304 | 0458 707 880 |
| Strain relief for welding torch | 0457 341 881 |
| Lifting eye | 0458 706 880 |
| Quick connector for MarathonPac | F102 440 880 |
| Adapter for 5kg spool | 0455 410 001 |
| Counterbalance device | 0458 705 880 |
| Plastics spool cover | 0458 674 880 |
| Turning piece | 0458 703 880 |
| Complete hose kit, mt 1,7, to modify 0459 495 782/882 in water cooled version | 0459 564 880 |

Suggested configurations

Origo™ Mig L305 with Origo™ Feed L302

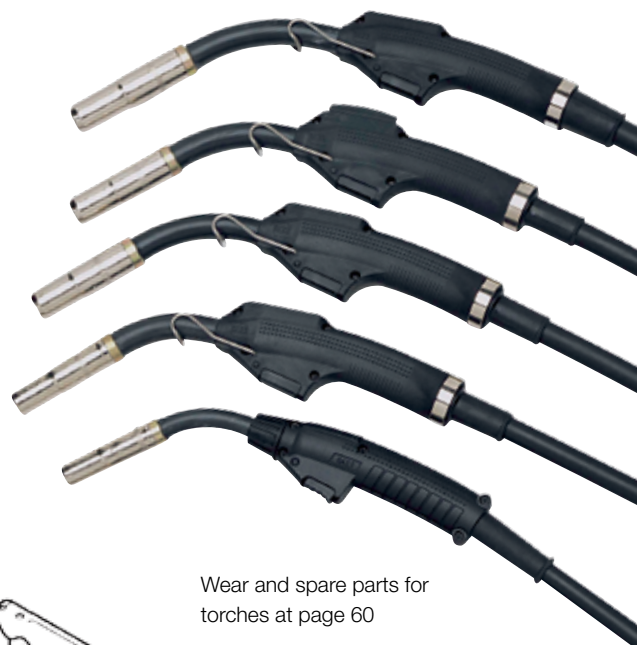
| | |
|--------------------------------------|--------------|
| Origo™ Mig L305 | 0349 309 700 |
| Origo™ Feed L302, open | 0459 495 782 |
| Air/water connection cable - mt. 1,7 | 0459 532 880 |
| PSF™ 305, L=3,0m, self-cooled | 0458 401 880 |

Origo™ Mig L405w with Origo™ Feed L304w water cooled

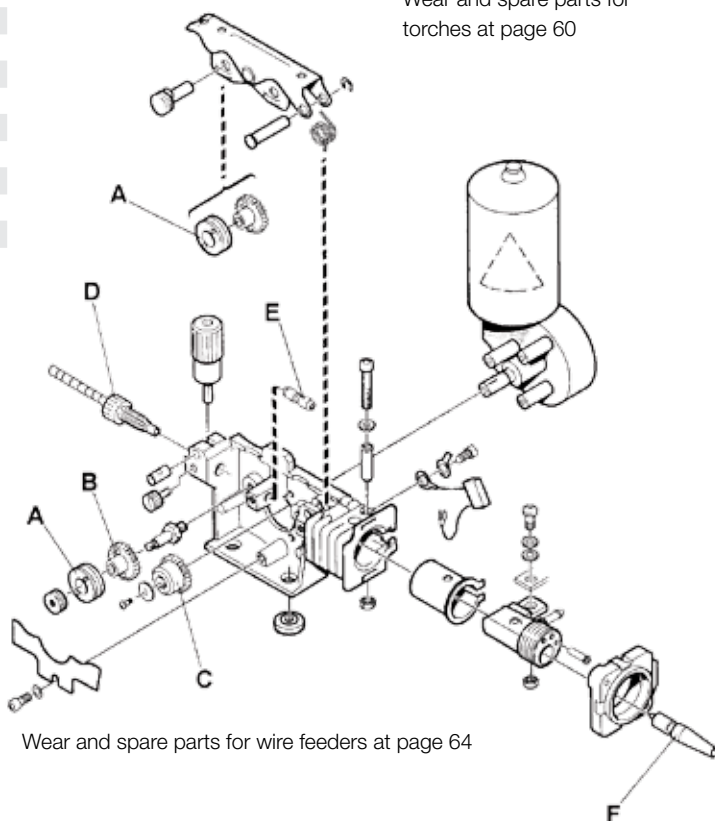
| | |
|-------------------------------------|--------------|
| Origo™ Mig L405w | 0349 306 563 |
| Origo™ Feed L304w, open | 0459 495 892 |
| Air/water connection cable - m. 1,7 | 0459 532 880 |
| PSF™ 410w, L=3,0m, water cooled | 0458 400 882 |

Delivery includes

Trolley with gas bottle shelf and safety chain, wire feeder pivot, 5m mains cable and 5m earth cable



Wear and spare parts for torches at page 60



Wear and spare parts for wire feeders at page 64

Origo™ Mig 320 - 410 - 510

Versatile, simple and powerful



- Robust, step-controlled MIG/MAG units for the upper capacity range
- 40 voltage steps
- Intermediate cables up to 35 metres
- Electronically regulated motors for constant wire feed
- Choice of two 4-roll wire feed devices, up to 2.4 mm wire electrodes
- Cooler with ELP, ESAB LogicPump (forced switching over of the water cooling if required)
- Automatic standby mode to save energy
- Galvanized sheet steel housing
- Wire feed speed can be controlled remotely
- Comprehensive accessories
- IP 23 - allows use outdoors

Control Panel M12



- Wire feed speed
- Creep start
- 2 / 4 stroke torch switchactions
- Wire burn-back time
- Wire feed speed can be controlled remotely
- Prepared for electric Push-Pull welding torches in 6 or 10 m length
- Prepared for mechanisation, ESAB Miggytrac and Railtrac

| Technical data | Origo™ Mig | | |
|-----------------------------------|-----------------|-----------------|----------|
| | 320 | 410/410w | 510/510w |
| Mains supply, V / ph | 400 / 3 | | |
| Fuse, slow, A | 16 | 20 | 35 |
| Setting range, A | 40 - 320 | 50 - 400 | 50 - 500 |
| Voltage steps | 40 | | |
| Inductance outlets | 2 | 2 | 3 |
| Dimensions, LxWxH, mm | 840 x 425 x 830 | 812 x 552 x 925 | |
| Weight, kg (without cooling unit) | 111 | 144 | 214 |
| Weight, kg (with cooling unit) | - | 158 | 228 |
| Enclosure class | IP 23 | | |
| Application class | S | | |

| Technical data | Origo™ Feed | |
|----------------------------------|-----------------|-----------|
| | 304 M12 | 484 M12 |
| Wire feed speed, m/min | 1,9 - 25 | 1,9 - 25 |
| Wire burn-back time, sec | 0 - 0,5 | |
| 2/4 cycle torch controller | yes | |
| Creep start | yes | |
| No-current threading of the wire | optional | |
| Gas test | optional | |
| Dimensions, LxWxH, mm | 690 x 275 x 420 | |
| Weight, kg | 15 | 19 |
| Spool type, Ø mm/kg | 300 / 18 | |
| Feeding rolls | 4 rollers | 4 rollers |
| Enclosure class | IP23 | |

| Maximum output at 40°C | | | |
|--------------------------------|----------|----------|----------|
| Max current, A at duty cycle % | 320 / 30 | 400 / 50 | 500 / 60 |
| 60% duty cycle, A | 250 | 365 | 500 |
| 100% duty cycle, A | 195 | 280 | 390 |

| Usable wire diameters, mm | | |
|---------------------------|-----------|-----------|
| Mild and stainless steels | 0,6 - 1,6 | 0,6 - 2,4 |
| Cored wires | 0,8 - 1,6 | 0,8 - 2,4 |
| Aluminium | 1,0 - 1,6 | 1,0 - 2,4 |

Delivery includes

Trolley with gas bottle shelf and safety chain, wire feeder pivot, 5m mains cable and 5m earth cable.

Complete Package

| | |
|--|---------------------|
| <ul style="list-style-type: none"> ● Origo™ Mig 410 with V/A + Origo™ Feed 304 M12 + PSF™ 405 – 4,5 mt. + earth cable 5 mt. + connection cable 10 mt | 0479 100 210 |
| <ul style="list-style-type: none"> ● Origo™ Mig 410w with V/A + Origo™ Feed 304w M12 + PSF™ 410w – 4,5 mt. + earth cable 5 mt. + connection cable 10 mt | 0479 100 211 |
| <ul style="list-style-type: none"> ● Origo™ Mig 510w with V/A + Origo™ Feed 304w M12 + PSF™ 510w – 4,5 mt. + earth cable 5 mt. + connection cable 10 mt | 0479 100 212 |

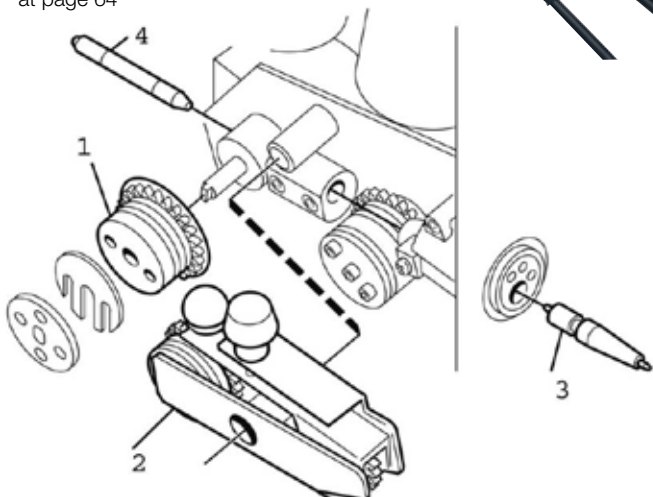
Accessories

| | |
|---|---------------------|
| Dust filter (steel grid) Origo™ Mig 320 | 0349 302 599 |
| Dust filter (steel grid) Origo™ Mig 410-510 | 0349 302 423 |
| Cable holder | 0349 303 362 |
| Digital instruments kit for Origo™ Mig 320 | 0349 302 598 |
| Digital instruments kit for Origo™ Mig 410 | 0349 302 451 |
| Digital instruments kit for Origo™ Mig 510 | 0349 302 424 |
| Transformer kit for CO2 preheater (42V – 50/60 Hz) | 0349 302 250 |
| Stabilizer (for counterbalance device) Origo™ Mig 320 | 0349 303 475 |
| Stabilizer (for counterbalance device) Origo™ Mig 410-510 | 0349 303 474 |
| Reinforcement for counterbalance device | 0349 309 748 |
| Pressure reducer with flux-meter | 0000 973 096 |
| Water flow guard | 0349 302 251 |
| Wheels kit for Origo™ Feed | 0458 707 880 |
| Strain relief for welding torch | 0457 341 881 |
| Lifting eye | 0458 706 880 |
| Quick connector for MarathonPac | F102 440 880 |
| Adapter for 5kg spool | 0455 410 001 |
| Adapter for 440 mm spool | 0459 233 880 |
| Support for double wire feeder | 0458 522 880 |
| Counterbalance device | 0458 705 880 |
| Steel spool cover | 0459 431 880 |
| Button for wire inching and gas test | 0459 465 880 |

Wear and spare parts for torches at page 60



Wear and spare parts for wire feeders at page 64



Ordering information

Power sources, with digital V/A instrument

| | |
|---------------------------------|---------------------|
| Origo™ Mig 320 MV V/A | 0349 312 600 |
| Origo™ Mig 410 ● | 0349 303 563 |
| Origo™ Mig 510 | 0349 303 565 |
| Origo™ Mig 410w water cooling ● | 0349 303 564 |
| Origo™ Mig 510w water cooling ● | 0349 303 566 |

Power sources, multivoltage versions

(230 / 400-415 / 500 V 50 Hz; 230 / 440-460 V 60 Hz)

| | |
|-------------------------|---------------------|
| Origo™ Mig 320 MV V/A | 0349 312 600 |
| Origo™ Mig 410 MV V/A | 0349 312 610 |
| Origo™ Mig 410 w MV V/A | 0349 312 620 |

Wire feeders

| | |
|---------------------------------------|---------------------|
| Origo™ Feed 304 M12 ● | 0459 116 882 |
| Origo™ Feed 304w M12 water cooling ●● | 0459 116 892 |
| Origo™ Feed 484w M12 water cooling | 0459 116 992 |

Connection cables

for Origo™ Mig 320, 410, self-cooling

| | |
|-----------------------------|---------------------|
| Connection cable - mt. 1,7 | 0469 836 880 |
| Connection cable - mt. 5 ● | 0469 836 981 |
| Connection cable - mt. 10 ● | 0469 836 881 |
| Connection cable - mt. 15 | 0469 836 882 |
| Connection cable - mt. 25 | 0469 836 883 |
| Connection cable - mt. 35 | 0469 836 884 |

for Origo™ Mig 410w, water cooling

| | |
|-----------------------------|---------------------|
| Connection cable - mt. 1,7 | 0469 836 885 |
| Connection cable - mt. 5 | 0469 836 983 |
| Connection cable - mt. 10 ● | 0469 836 886 |
| Connection cable - mt. 15 | 0469 836 887 |
| Connection cable - mt. 25 | 0469 836 888 |
| Connection cable - mt. 35 | 0469 836 889 |

for Origo™ Mig 510, self-cooling

| | |
|----------------------------|---------------------|
| Connection cable - mt. 1,7 | 0469 836 890 |
| Connection cable - mt. 5 | 0469 836 982 |
| Connection cable - mt. 10 | 0469 836 891 |
| Connection cable - mt. 15 | 0469 836 892 |
| Connection cable - mt. 25 | 0469 836 893 |
| Connection cable - mt. 35 | 0469 836 894 |

for Origo™ Mig 510w, water cooling

| | |
|-----------------------------|---------------------|
| Connection cable - mt. 1,7 | 0469 836 895 |
| Connection cable - mt. 5 | 0469 836 984 |
| Connection cable - mt. 10 ● | 0469 836 896 |
| Connection cable - mt. 15 | 0469 836 897 |
| Connection cable - mt. 25 | 0469 836 898 |
| Connection cable - mt. 35 | 0469 836 899 |

Welding torches

| | |
|--------------------------------------|---------------------|
| PSF™ 305, L = 3,0 m, self-cooled | 0458 401 880 |
| PSF™ 305, L = 4,5 m, self-cooled ● | 0458 401 881 |
| PSF™ 405, L = 3,0 m, self-cooled | 0458 401 882 |
| PSF™ 405, L = 4,5 m, self-cooled ● | 0458 401 883 |
| PSF™ 505, L = 3,0 m, self-cooled | 0458 401 884 |
| PSF™ 505, L = 4,5 m, self-cooled | 0458 401 885 |
| PSF™ 410w, L = 3,0 m, water cooled | 0458 400 882 |
| PSF™ 410w, L = 4,5 m, water cooled ● | 0458 400 883 |
| PSF™ 510w, L = 3,0 m, water cooled | 0458 400 884 |
| PSF™ 510w, L = 4,5 m, water cooled ● | 0458 400 885 |

Origo™ Mig 402c - 502c - 652c

Versatile power sources for the Heavy Duty use



- A power source for MIG/MAG, manual electric and gouging for the heavy duty capacity range
- Stepless voltage setting
- Intermediate cables up to 35 metres
- Electronically regulated motors for constant wire feed
- Choice of two 4-roll wire feed devices, up to 2.4 mm wire electrodes
- Cooler with ELP, ESAB LogicPump (forced switching over of the water cooling if required)
- Automatic standby mode to save energy
- Galvanized sheet steel housing
- Comprehensive accessories
- IP 23 - allows use outdoors



| Technical data | Origo™ Mig | | |
|-----------------------------------|-----------------|----------|----------|
| | 402c | 502c | 652c |
| Mains supply, V / ph | 400 / 3 | | |
| Fuse, slow, A | 25 | 35 | 50 |
| Setting range, A | 20 - 400 | 20 - 500 | 20 - 650 |
| Voltage adjustment | stepless | | |
| Inductance adjustment | stepless | | |
| v | 830 x 640 x 835 | | |
| Weight, kg (without cooling unit) | 158 | 194 | 228 |
| Weight, kg (with cooling unit) | 172 | 208 | 242 |
| Enclosure class | IP 23 | | |
| Application class | S | | |

| Maximum output at 40°C | | | |
|------------------------|-----|-----|-----|
| 60% duty cycle, A | 400 | 500 | 650 |
| 100% duty cycle, A | 310 | 400 | 500 |

| Technical data | Origo™ | Origo™ |
|-----------------------------------|-----------------|--------------|
| | Feed 304 M13 | Feed 484 M13 |
| Wire feed speed, m/min | 1,9 - 25 | |
| Wire burn-back time, sec | 0 - 0,5 | |
| 2 / 4 stroke torch switch actions | yes | |
| Creep start | yes | |
| Voltage free wire inching | optional | |
| Gas Test | optional | |
| Dimensions, LxWxH, mm | 690 x 275 x 420 | |
| Weight, kg | 15 | 19 |
| Spool type, Ø mm/kg | 300 / 18 | |
| Feeding rolls | 4 | |
| Enclosure class | IP 23 | |

| Usable wire diameters, mm | | |
|---------------------------|-----------|-----------|
| Mild and stainless steels | 0,6 - 1,6 | 0,6 - 2,4 |
| Cored wires | 0,8 - 1,6 | 0,8 - 2,4 |
| Aluminium | 1,0 - 1,6 | 1,0 - 2,4 |

Control Panel A13

- Controller in the current source for MMA electrode welding and gouging, regardless of the wire feed unit
- Can be controlled remotely from the current source
- Provided as standard with Origo™ Mig 502c/502cw/652c/652cw
- Optional with the Origo™ Mig 402c/402cw
- TIG welding with contact striking optional
- Hot Start and Arc Force



Delivery includes:

Trolley with gas bottle shelf and safety chain, wire feeder pivot, 5m mains cable and 5m earth cable

Origo™ Feed 304: Consumables for 1.0 - 1.2 mm steel wire

Origo™ Feed 484: Consumables for 0.9 - 1.6 mm steel wire

Complete Package

● Origo™ Mig 402c + Origo™ Feed 304 M13 V/A
+ PSF™ 405 – 4,5 mt. + earth cable 5 mt.
+ connection cable 10 m.

0479 100 219

● Origo™ Mig 402cw + Origo™ Feed 304w M13 V/A
+ PSF™ 410w – 4,5 mt. + earth cable 5 mt.
+ connection cable 10 m

0479 100 220

● Origo™ Mig 502cw + Origo™ Feed 304w M13 V/A
+ PSF™ 510w – 4,5 mt. + earth cable 5 mt.
+ connection cable 10 m

0479 100 221

Control Panel M13

- Controller in the wire feed device for MIG/MAG welding
- TrueArcVoltage™ guarantees an exact welding voltage
- 2 / 4 -stroke torch controller
- End crater filling, wire burn-back time
- Creep start
- Gas test and voltage free wire inch optional
- Cooler with ELP, ESAB LogicPump (forced switching over of the water cooling if required)



Mechanization packages

With Miggytrac 1001

Origo™ Mig 402cw – water cooling,
Miggytrac 1001 with 5m connection cable
Origo™ Feed 304w M13 V/A with wheels kit
Connection cable power source – wire feeder, 15m
Welding torch PSF™ 410w – 4,5m
Earth cable 5m with clamp

0461 175 881

Options

Connection cable power source – wire feeder, 35m
Air cooling and 15m cable
Aircooling and 35m cable

0461 176 881

0461 175 880

0461 176 880

With Miggytrac 2000

Origo™ Mig 402cw – water cooling
Miggytrac 2000 with 5m connection cable
Origo™ Feed 304w M13 V/A with wheels kit
Connection cable power source – wire feeder, 15m
Welding torch PSF™ 410w – 4,5m
Earth cable 5m with clamp

0461 177 881

Options

Connection cable power source – wire feeder, 35m
Air cooling and 15m cable
Aircooling and 35m cable

0461 178 881

0461 177 880

0461 178 880

With Railtrac FW1000

Origo™ Mig 402cw – water cooling
Railtrac FW1000 with 5m connection cable
Aluminium flexible guide with magnets, 2,5m
Reinforcement bar, 2,5m
Origo™ Feed 304w M13 V/A with wheels kit
Connection cable 15m, Torch PSF™ 410w – 4,5m
Earth cable 5m with clamp

0461 179 881

Options

Connection cable power source – wire feeder, 35m
Air cooling and 15m cable
Aircooling and 35m cable

0461 180 881

0461 179 880

0461 180 880

Gouging torches, see ESAB Accessories catalogue

Welding mechanization with Miggytrac and Railtrac: see relevant catalogues



Remote controller, see page 68

Configurations Origo™ Mig 402c – 502c – 652c

Gas=self-cooled, W=water cooled

| Origo™ Mig | | 402c | | 502c | | 652c | |
|------------------|--------------|------|---|------|---|------|---|
| | | Gas | W | Gas | W | Gas | W |
| Power sources | | | | | | | |
| Origo™ Mig 402c | 0349 310 750 | ● | | ● | | ● | |
| Origo™ Mig 402cw | 0349 308 500 | | ● | | ● | | ● |
| Origo™ Mig 502c | 0349 310 770 | ● | | ● | | ● | |
| Origo™ Mig 502cw | 0349 310 760 | | ● | | ● | | ● |
| Origo™ Mig 652c | 0349 311 060 | ● | | ● | | ● | |
| Origo™ Mig 652cw | 0349 310 800 | | ● | | ● | | ● |

| Power sources, multivoltage options (230/400-415/500 V, 50Hz, 230/440-460 V, 60Hz3-phase) | Mig | 402c | | 502c | | 652c | |
|--|--------------|------|---|------|---|------|---|
| | | Gas | W | Gas | W | Gas | W |
| Origo™ Mig 402c | 0349 311 220 | ● | | ● | | ● | |
| Origo™ Mig 402cw | 0349 311 230 | | ● | | ● | | ● |
| Origo™ Mig 502c | 0349 311 240 | ● | | ● | | ● | |
| Origo™ Mig 502cw | 0349 311 250 | | ● | | ● | | ● |
| Origo™ Mig 652c | 0349 311 260 | ● | | ● | | ● | |
| Origo™ Mig 652cw | 0349 311 270 | | ● | | ● | | ● |

| Wire feeders, with V/A instruments | Mig | 402c | | 502c | | 652c | |
|---------------------------------------|--------------|------|---|------|---|------|---|
| | | Gas | W | Gas | W | Gas | W |
| Origo™ Feed 304 M13 | 0459 116 864 | ● | | ● | | ● | |
| Origo™ Feed 304w M13 | 0459 116 874 | | ● | | ● | | ● |
| Origo™ Feed 484w M13 | 0459 116 974 | | ● | | ● | | ● |

| Welding torches | Mig | 402c | | 502c | | 652c | |
|---------------------------------|--------------|------|---|------|---|------|---|
| | | Gas | W | Gas | W | Gas | W |
| PSF™ 405, L=3,0m, self cooled | 0458 401 882 | ● | | | | | |
| PSF™ 405, L=4,5m, self cooled | 0458 401 883 | ● | | | | | |
| PSF™ 410w, L=3,0m, water cooled | 0458 400 882 | | ● | | | | |
| PSF™ 410w, L=4,5m, water cooled | 0458 400 883 | | ● | | | | |
| PSF™ 505, L=3,0m, self cooled | 0458 401 884 | | | ● | | ● | |
| PSF™ 505, L=4,5m, self cooled | 0458 401 885 | | | ● | | ● | |
| PSF™ 510w, L=3,0m, water cooled | 0458 400 884 | | | | ● | | ● |
| PSF™ 510w, L=4,5m, water cooled | 0458 400 885 | | | | ● | | ● |

Push-pull torches MXH™ at page 59

Package - see previous page

Origo™ Mig

Connection cables

| | | 402c | | 502c | | 652c | |
|----------------------------|--------------|------|---|------|---|------|---|
| | | Gas | W | Gas | W | Gas | W |
| Connection cable - mt. 1,7 | 0459 836 880 | ● | | | | | |
| Connection cable - mt. 5 | 0459 836 881 | ● | | | | | |
| Connection cable - mt. 10 | 0459 836 882 | ● | | | | | |
| Connection cable - mt. 15 | 0459 836 883 | ● | | | | | |
| Connection cable - mt. 25 | 0459 836 884 | ● | | | | | |
| Connection cable - mt. 35 | 0459 836 885 | ● | | | | | |
| Connection cable - mt. 1,7 | 0459 836 890 | | ● | | | | |
| Connection cable - mt. 5 | 0459 836 891 | | ● | | | | |
| Connection cable - mt. 10 | 0459 836 892 | | ● | | | | |
| Connection cable - mt. 15 | 0459 836 893 | | ● | | | | |
| Connection cable - mt. 25 | 0459 836 894 | | ● | | | | |
| Connection cable - mt. 35 | 0459 836 895 | | ● | | | | |
| Connection cable - mt. 1,7 | 0459 836 980 | | | ● | | ● | |
| Connection cable - mt. 5 | 0459 836 981 | | | ● | | ● | |
| Connection cable - mt. 10 | 0459 836 982 | | | ● | | ● | |
| Connection cable - mt. 15 | 0459 836 983 | | | ● | | ● | |
| Connection cable - mt. 25 | 0459 836 984 | | | ● | | ● | |
| Connection cable - mt. 35 | 0459 836 985 | | | ● | | ● | |
| Connection cable - mt. 1,7 | 0459 836 990 | | | | ● | | ● |
| Connection cable - mt. 5 | 0459 836 991 | | | | ● | | ● |
| Connection cable - mt. 10 | 0459 836 992 | | | | ● | | ● |
| Connection cable - mt. 15 | 0459 836 993 | | | | ● | | ● |
| Connection cable - mt. 25 | 0459 836 994 | | | | ● | | ● |
| Connection cable - mt. 35 | 0459 836 995 | | | | ● | | ● |

| Accessories | Mig | 402c | | 502c | | 652c | |
|-------------|-----|------|---|------|---|------|---|
| | | Gas | W | Gas | W | Gas | W |

Cables support:

| | | | | | | | |
|--|--------------|---|---|---|---|---|---|
| for power sources | 0349 311 700 | ● | ● | ● | ● | ● | ● |
| for wire feeders | 0459 234 880 | ● | ● | ● | ● | ● | ● |
| Pressure reducer with flux-meter | 0000 973 096 | ● | ● | ● | ● | ● | ● |
| Dust filter | 0349 302 252 | ● | ● | ● | ● | ● | ● |
| Steel spool cover | 0459 431 880 | ● | ● | ● | ● | ● | ● |
| Wheels kit for Origo™ Feed | 0458 707 880 | ● | ● | ● | ● | ● | ● |
| Strain relief for welding torch | 0457 341 881 | ● | ● | ● | ● | ● | ● |
| Lifting eye | 0458 706 880 | ● | ● | ● | ● | ● | ● |
| Counterbalance device | 0458 705 880 | ● | ● | ● | ● | ● | ● |
| Reinforcement for counterbalance device | 0349 309 748 | ● | ● | ● | ● | ● | ● |
| Adapter for 5kg spool | 0455 410 001 | ● | ● | ● | ● | ● | ● |
| Plastic spools adapter | 0000 701 981 | ● | ● | ● | ● | ● | ● |
| V/A Digital instruments kit | 0455 173 882 | ● | ● | ● | ● | ● | ● |
| Kit panel A13 with V/A for Mig 402c/402cw | 0349 310 396 | ● | ● | | | | |
| Transformer kit for CO ₂ preheater (42V – 50/60 Hz) | 0349 302 250 | ● | ● | ● | ● | ● | ● |
| Cable holder | 0349 303 362 | ● | ● | ● | ● | ● | ● |
| Water flow guard | 0349 302 251 | ● | ● | ● | ● | ● | ● |
| Cooling liquid (10 l) | 0007 810 012 | ● | ● | ● | ● | ● | ● |
| Quick connector for MarathonPac™ | F102 440 880 | ● | ● | ● | ● | ● | ● |
| Button for wire inching and gas test | 0459 465 880 | ● | ● | ● | ● | ● | ● |

Warrior™ 400i - 500i CC/CV

The reliable multi-process welding equipment designed for heavy duty productivity



- Multi-Process: including MIG, Flux-Cored, Stick, Live TIG and Arc Gouging
- High Duty cycle for long runs and various applications giving high productivity
- IP23 rating for outdoor and indoor use in rough environment
- Simple and clear user interface
- Robust and ergonomic handles also for mechanical lifting
- Easy to read sun friendly display
- Inverter technology - Smaller, lighter and less energy cost
- Generator compatible for flexible use in different job sites
- Automatic Hot Start/Variable Arc Control
- Wide input voltage range to support regional requirements



| Technical data* | Warrior™ | |
|--|-----------------|------------|
| | 400i CC/CV | 500i CC/CV |
| Mains Supply, 3 ph 50/60HZ, V | 380-415, +/-10% | |
| Mains cable, Ø mm2 | 4 x 6 | |
| Fuse, slow A | 25 | 32 |
| Setting range A | | |
| MIG/MAG, MMA | 16-400 | 16-500 |
| TIG | 5-400 | 5-500 |
| Open circuit voltage, V | 54 | |
| Idle Power, W | 120 | |
| Efficiency at max. current % | 88 | |
| Power factor at max current | 0.91 | |
| Enclosure class | IP23 | |
| Dimensions, LxWxH, mm (without cooling unit) | 712x325x470 | |
| Dimensions, LxWxH, mm (with cooling unit) | 712x325x700 | |
| Weight, kg (without cooling unit) | 59 | |
| Weight, kg (with cooling unit) | 74 | |
| Operating Temperature, °C | -10 - +40 | |
| Application class | S | |

| Maximum output at 40°C | | |
|---------------------------|--------|--------|
| 60% duty cycle, A/V, 3ph | 400/36 | 500/40 |
| 100% duty cycle, A/V, 3ph | 300/32 | 400/36 |

| Technical data* | Warrior™ | |
|-------------------------|--------------|----------------|
| | Feed 304 | MobileFeed 300 |
| Power supply | VAC 42 | VDC 16.5-100 |
| Wire spool capacity, kg | 18 | |
| Max. spool diameter, mm | 300 | |
| Wire feed speed, m/min | 0.8-25.0 | 1.3-20.3 |
| Dimensions, LxWxH, mm | 675x264x418* | 526x217x437 |
| Weight, kg | 14.5 | |
| Temp. working range | -10/+40 C | -10/+40 C |
| Enclosure class | IP23 | IP23 |

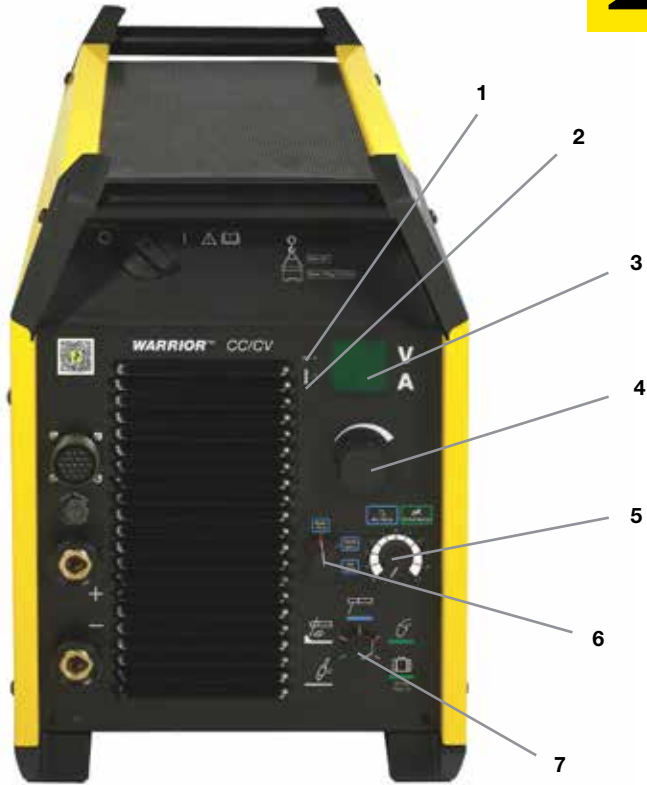
* Incl. bobbin cover

| Usable wire diameters, mm | | |
|---------------------------|-----------|-----------|
| Steel | 0,6 - 1,6 | 0,8 - 1,6 |
| Stainless steel | 0,6 - 1,6 | 0,8 - 1,6 |
| Cored wires | 0,9 - 1,6 | 1,2 - 2,0 |
| Aluminium | 0,8 - 1,6 | - |

*Technical data are subject to change.

Control Panel 400i / 500i CC/CV

- 1 Indicator lamp, yellow, overheating
- 2 Indicator lamp, green, VRD function (reduced open-circuit voltage)
- 3 Display, current (A) and voltage (V)
- 4 Knob for setting:
MIG/MAG air gauging: Current (A)
Mobile Feed mode: Voltage (V)
- 5 Knob for choice of electrode type
- 6 Knob for inductance (MIG/MAG) and arc force (MMA)
- 7 Knob for welding method



Control Panel Feed 304

- 1 Display voltage (V)
- 2 Display current (A)
- 3 Knob for setting the wire feed speed
- 4 Knob for setting the voltage
- 5 Switch for wire inching or gas purge
- 6 Switch for creep start (inside)
- 7 Switch for 2-stroke / 4-stroke (inside)



Gouging torches, see ESAB Accessories catalogue

Welding mechanization with Miggytrac and Railtrac: see relevant catalogues



Remote controller, see on page 66

Configurations Warrior™ 400i - 500i CC/CV

| Warrior™ | | 400i CC/CV | | 500i CC/CV | |
|--|--------------|------------|---|------------|----|
| | | Gas | W | Gas | Wr |
| Power sources | | | | | |
| Warrior™ 400i CC/CV | 0465 350 884 | ● | ● | | |
| COOL 2, water cooler | 0465 427 880 | | ● | | |
| Warrior™ 500i CC/CV | 0465 350 883 | ● | | ● | ● |
| COOL 2, water cooler | 0465 427 880 | | | | ● |
| Wire feeders with V/A instruments | | 400i CC/CV | | 500i CC/CV | |
| | | Gas | W | Gas | W |
| Warrior™ Feed 304 | 0465 250 880 | ● | | ● | |
| Warrior™ Feed 304w | 0465 250 881 | | ● | | ● |
| MobileFeed 300 AVS | 0558 005 728 | ● | | ● | |
| Welding torches | | 400i CC/CV | | 500i CC/CV | |
| | | Gas | W | Gas | W |
| PSF™ 405, L=3,0m self-cooled | 0458 401 882 | ● | | | |
| PSF™ 405, L=4,5m self-cooled | 0458 401 883 | ● | | | |
| PSF™ 410w, L=3,0m water-cooled | 0458 400 882 | | ● | | |
| PSF™ 410w, L=4,5m water-cooled | 0458 400 883 | | ● | | |
| PSF™ 505, L=3,0m self-cooled | 0458 401 884 | | | ● | |
| PSF™ 505, L=4,5m self-cooled | 0458 401 885 | | | ● | |
| PSF™ 510w, L=3,0m water-cooled | 0458 400 884 | | | | ● |
| PSF™ 510w, L=4,5m water-cooled | 0458 400 885 | | | | ● |
| Push-Pull torches MXH™ at page 59 | | | | | |
| Connection cables | | 400i CC/CV | | 500i CC/CV | |
| | | Gas | W | Gas | W |
| Connection cable - mt. 1,7 | 0459 836 880 | ● | | | |
| Connection cable - mt. 5 | 0459 836 881 | ● | | | |
| Connection cable - mt. 10 | 0459 836 882 | ● | | | |
| Connection cable - mt. 15 | 0459 836 883 | ● | | | |
| Connection cable - mt. 25 | 0459 836 884 | ● | | | |
| Connection cable - mt. 35 | 0459 836 885 | ● | | | |
| Connection cable - mt. 1,7 | 0459 836 890 | | ● | | |
| Connection cable - mt. 5 | 0459 836 891 | | ● | | |
| Connection cable - mt. 10 | 0459 836 892 | | ● | | |
| Connection cable - mt. 15 | 0459 836 893 | | ● | | |
| Connection cable - mt. 25 | 0459 836 894 | | ● | | |
| Connection cable - mt. 35 | 0459 836 895 | | ● | | |
| Connection cable - mt. 1,7 | 0459 836 980 | | | ● | |
| Connection cable - mt. 5 | 0459 836 981 | | | ● | |
| Connection cable - mt. 10 | 0459 836 982 | | | ● | |
| Connection cable - mt. 15 | 0459 836 983 | | | ● | |
| Connection cable - mt. 25 | 0459 836 984 | | | ● | |
| Connection cable - mt. 35 | 0459 836 985 | | | ● | |
| Connection cable - mt. 1,7 | 0459 836 990 | | | | ● |
| Connection cable - mt. 5 | 0459 836 991 | | | | ● |
| Connection cable - mt. 10 | 0459 836 992 | | | | ● |
| Connection cable - mt. 15 | 0459 836 993 | | | | ● |
| Connection cable - mt. 25 | 0459 836 994 | | | | ● |
| Connection cable - mt. 35 | 0459 836 995 | | | | ● |

Warrior™

400i CC/CV

500i CC/CV

Accessories

Gas

W

Gas

W

| | | ● | ● | ● | ● |
|-------------------------------------|--------------|---|---|---|---|
| 4 wheels trolley | 0465 510 880 | ● | ● | ● | ● |
| Wheel kit Warrior™ | 0465 416 880 | ● | ● | ● | ● |
| Wheel kit I Warrior™ Feed | 0458 707 880 | ● | ● | ● | ● |
| Wheel kit II Warrior™ Feed | 0458 707 881 | ● | ● | ● | ● |
| Lifting eye Warrior™ Feed | 0458 706 880 | ● | ● | ● | ● |
| Strain relief torch Warrior™ Feed | 0457 341 881 | ● | ● | ● | ● |
| Strain relief bracket Warrior™ Feed | 0459 234 880 | ● | ● | ● | ● |
| Quick connector MPac Warrior™ Feed | F102 440 880 | ● | ● | ● | ● |
| Remote connection kit Warrior™ Feed | 0465 451 880 | ● | ● | ● | ● |
| Counter balance device | 0458 705 880 | ● | ● | ● | ● |
| Cooling liquid (10l) | 0007 810 012 | | ● | | ● |

Origo™ Mig 4004i - 5004i

Origo™ Mig 4004i and 5004i provide high duty cycles for those maximum performance heavy duty applications. These third generation inverters offer considerable improved power efficiency and a close to unity Power Factor. This minimizes your energy consumption and will offer significant reductions in your energy costs with the same welding conditions.

Origo™ Mig 4004i & 5004i offer you undreamt of versatility with their wide range of control panels.

For your MIG/MAG and MMA applications select from the MA23 or MA24 control panels. The MA23 control panel includes all basic functions required for high productivity welding as well as parameter memory functions. The MA24 control panel has the added functionality of 35 pre-programmed synergic lines and is equipped with ESAB's patented QSet™ intelligent technology for improved productivity and quality.

By selecting Origo™ Mig 4004i A44, you can use it without a wire feed unit for high quality professional MMA welding and for TIG welding with the new LiveTig™ ignition.

Versatile welding inverters for commerce and industry.



Origo™ Mig 4004i A44
Origo™ Feed 3004 MA24

Origo™ Mig 5004iw
Origo™ Feed 3004w MA24

- Superlative welding properties - High utility and high quality through TrueArcVoltage™
- Professional MMA electrode welding with ArcPlus™ II controller
- Automatic standby mode to save energy
- ELP - ESAB LogicPump, starts the water pump automatically
- Type of insulation IP 23 - for work outdoors
- Can be controlled remotely, digital display
- Optionally with electric Push-Pull welding torch in 6 in 10 m length
- Can be used with mechanisation, ESAB Miggytrac and Railtrac
- These 3rd generation inverters offer considerable improved efficiency and power factor is approximately 1



| Technical data | Origo™ Mig 4004i | Origo™ Mig 5004i |
|-----------------------------------|------------------|------------------|
| Mains supply, V / ph | 380 - 440 / 3 | |
| Fuse, slow, A | 25 | 35 |
| Setting range (MIG/MAG), A | 16 - 400 | 16 -500 |
| Open circuit voltage, V | 55 | |
| Open circuit power, W | 100 | |
| Power factor (MIG) | 0,93 | 0,95 |
| Efficiency at max power (MIG), % | 89 | |
| Dimensions, LxWxH, mm | 610 x 250 x 445 | |
| Dim. (with cooling unit), mm | 610 x 250 x 675 | |
| Weight, kg (without cooling unit) | 46 | |
| Weight, kg (with cooling unit) | 62,5 | |
| Cooling power, W (l/min) | 1300 (2,0) | |
| Enclosure class | IP 23 | |
| Application class | S | |

Maximum output (MIG/MAG)at 40°C

| | | |
|----------------------|----------|----------|
| 60% duty cycle, A/V | - | 500 / 40 |
| 80% duty cycle, A/V | 400 / 36 | 400 / 36 |
| 100% duty cycle, A/V | 350 / 32 | 350 / 32 |

Note: 4004i with A44 panel = 400A @ 60% and 300A @ 100%

Control Panel MA23

- Controller in the wire feed device for MIG/MAG and MMA electrode welding
- 2 / 4 stroke torch switch actions
- Gas test and tension-free wire feed
- Gas pre- and post-flow can be set
- Continuous choke setting
- 3 memory slots, called up from the torch button
- Can be controlled remotely, digital display



Control Panel MA24

- Controller in the wire feed device for MIG/MAG and MMA electrode welding
- 35 preprogrammed synergic lines
- QSet™ Parameter automation
- 2 / 4 stroke torch switch actions
- Gas test and tension-free wire feed
- Gas pre- and post-flow can be set
- Creep start and end crater filling
- Continuous choke setting
- 3 memory slots, can be called up from the torch button
- Can be controlled remotely, digital display



Control Panel A44

- Controller in the current source for MMA electrode welding regardless of the wire feed device (optional)
- MMA electrode welding with ArcPlus™ II
- Selection of electrode type, basic - rutile - cellulose
- MMA welding and TIG with LiveTig™ striking
- Hot Start and Arc Force can be set
- Stepless inductance setting
- Voltage Reduction Device
- Carbon arc gouging
- Two memories
- Digital display
- Drop welding and setting of TIG minimum current through a background menu
- Optional MIG/MAG welding with MobileFeed 300 AVS



Delivery includes

5m mains cable with CEE plug and 4,5m earth cable.

Suggested configurations

Origo™Mig 4004i with Origo™Feed 3004w MA24, water cooling

| | |
|---------------------------------|--------------|
| Origo™Mig 4004i | 0465 154 880 |
| Water Cooler, COOL1 | 0462 300 880 |
| Origo™Feed 3004w, MA24 | 0460 526 899 |
| Connection cable – mt. 1.7 | 0459 528 790 |
| PSF™410w, L=3.0 m, water cooled | 0458 400 882 |
| 4 wheels trolley | 0462 151 880 |


Origo™Mig 5004i with Origo™Feed 4804w MA24, water cooling


| | |
|---------------------------------|--------------|
| Origo™Mig 5004i | 0465 155 880 |
| Water Cooler, COOL1 | 0462 300 880 |
| Origo™Feed 4804w, MA24 | 0460 526 999 |
| Connection cable – mt. 1.7 | 0459 528 990 |
| PSF™510w, L=3.0 m, water cooled | 0458 400 884 |
| 4 wheels trolley | 0462 151 880 |

Configurations Origo™ Mig 4004i - 5004i

Gas=self-cooled, W=water cooled, A24/A44 =control with two controllers

| Origo™ Mig | | 4004i | | | | 5004i | |
|----------------------|--------------|-------|-------|---|-------|-------|---|
| | | Gas | G A44 | W | W A44 | Gas | W |
| Origo™ Mig 4004i | 0465 154 880 | ● | | ● | | | |
| Origo™ Mig 5004i | 0465 155 880 | | | | | ● | ● |
| Origo™ Mig 4004i A44 | 0465 152 880 | | ● | | ● | | |
| COOL1 cooling unit | 0462 300 880 | | | ● | ● | | ● |

| Origo™ Mig 4004i | | Origo™ Mig 4004i | | | | Origo™ Mig 5004i | |
|--|--------------|------------------|-------|---|-------|------------------|---|
| | | Gas | G A44 | W | W A44 | Gas | W |
| Origo™Feed 3004 MA23 | 0460 526 887 | ● | ● | | | ● | |
| Origo™Feed 3004w MA23 | 0460 526 897 | | | ● | ● | | ● |
| Origo™Feed 3004 MA24  | 0460 526 889 | ● | ● | | | ● | |
| Origo™Feed 3004w MA24 | 0460 526 899 | | | ● | ● | | ● |
| Origo™Feed 4804w MA23 | 0460 526 997 | | | ● | ● | | ● |
| Origo™Feed 4804w MA24 | 0460 526 999 | | | ● | ● | | ● |

| Origo™ Mig 4004i | | Origo™ Mig 4004i | | | | Origo™ Mig 5004i | |
|--|--------------|-------------------|-------|---|-------|-------------------|---|
| | | 70mm ² | | | | 95mm ² | |
| Air Cooled | | Gas | G A44 | W | W A44 | Gas | W |
| Connection cable - mt. 1.7  | 0459 528 780 | ● | ● | | | | |
| Connection cable - mt. 1.7(95mm ²) | 0459 528 980 | | | | | ● | |
| Connection cable - mt. 5 | 0459 528 781 | ● | ● | | | | |
| Connection cable - mt. 10 | 0459 528 782 | ● | ● | | | | |
| Connection cable - mt. 15 | 0459 528 783 | ● | ● | | | | |
| Connection cable - mt. 25 | 0459 528 784 | ● | ● | | | | |
| Connection cable - mt. 35 | 0459 528 785 | ● | ● | | | | |

| Origo™ Mig 4004i | | Origo™ Mig 4004i | | | | Origo™ Mig 5004i | |
|--|--------------|-------------------|-------|---|-------|-------------------|---|
| | | 70mm ² | | | | 95mm ² | |
| Water Cooled | | Gas | G A44 | W | W A44 | Gas | W |
| Connection cable - mt. 1.7 | 0459 528 790 | | | ● | ● | | |
| Connection cable - mt. 1.7(95mm ²) | 0459 528 990 | | | | | | ● |
| Connection cable - mt. 5 | 0459 528 791 | | | ● | ● | | |
| Connection cable - mt. 10 | 0459 528 792 | | | ● | ● | | |
| Connection cable - mt. 15 | 0459 528 793 | | | ● | ● | | |
| Connection cable - mt. 25 | 0459 528 794 | | | ● | ● | | |
| Connection cable - mt. 35 | 0459 528 795 | | | ● | ● | | |
| Cables support for length over 5m | 0459 234 880 | ● | ● | ● | ● | | |

 Package -see previous page

| Origo™ Mig | | 4004i | | | | 5004i | |
|---------------------------------|--------------|-------|-------|---|-------|-------|---|
| | | Gas | G A44 | W | W A44 | Gas | W |
| PSF™ 405, L=3,0m, self-cooled | 0458 401 882 | ● | ● | | | | |
| PSF™ 405, L=4,5m, self-cooled | 0458 401 883 | ● | ● | | | | |
| PSF™ 410w, L=3,0m, water-cooled | 0458 400 882 | | | ● | ● | | |
| PSF™ 410w, L=4,5m, water-cooled | 0458 400 883 | | | ● | ● | | |
| PSF™ 505, L=3,0m, self-cooled | 0458 401 884 | | | | | ● | |
| PSF™ 505, L=4,5m, self-cooled | 0458 401 885 | | | | | ● | |
| PSF™ 510w, L=3,0m, water-cooled | 0458 400 884 | | | | | | ● |
| PSF™ 510w, L=4,5m, water-cooled | 0458 400 885 | | | | | | ● |

| Accessories | | Origo™ Mig 4004i | | | | Origo™ Mig 5004i | |
|---|--------------|------------------|-------|---|-------|------------------|---|
| | | Gas | G A44 | W | W A44 | Gas | W |
| 4 wheels trolley | 0462 151 880 | ● | ● | ● | ● | ● | ● |
| 4 wheels trolley (for counterbalance device) | 0460 565 880 | ● | ● | ● | ● | ● | ● |
| Wheels kit for Origo™ Feed | 0458 707 880 | ● | ● | ● | ● | ● | ● |
| Water flow guard for COOL1 | 0456 855 881 | | | ● | | | ● |
| Strain relief for welding torch | 0457 341 881 | ● | ● | ● | ● | ● | ● |
| Lifting eye for Origo™ Feed | 0458 706 880 | ● | ● | ● | ● | ● | ● |
| Adapter for 5Kg spool | 0455 410 001 | ● | ● | ● | ● | ● | ● |
| Connection kit for mechanization with Miggytrac-Railtrac | 0459 681 880 | ● | ● | ● | ● | ● | ● |
| Connection kit for electric Push-pull torches, start/stop function | 0459 020 883 | ● | ● | ● | ● | ● | ● |
| Connection kit for electric Push-pull torches, with wire speed control | 0459 681 881 | ● | ● | ● | ● | ● | ● |
| Mounting accessories | | | | | | | |
| Counterbalance device | 0458 705 880 | ● | ● | ● | ● | ● | ● |
| Kit to assembly 4004i/5004i to trolley 0460 565 880 | 0461 310 880 | ● | ● | ● | ● | ● | ● |
| Stabilizer (for counterbalance device) | 0460 946 880 | ● | ● | ● | ● | ● | ● |
| Trolley bracket (when used without COOL1) | 0463 125 880 | ● | ● | | | ● | |

A universe of possibilities

Developed for durability

ESAB introduced the second generation of Aristo® U8₂ digital controllers offering improved welding capacity and operator convenience.

The new U8₂ has developed as an addition to our Aristo® power sources and wire feed devices is designed for advanced manual and mechanised MIG/MAG welding, Pulsed MIG/MAG, TIG and MMA welding.

High degree of user-friendliness

Complex controllers are often impossible to understand without an in-depth knowledge of the product. Not so with the new Aristo® U8₂. The few controls that it has guide the welder intuitively and are ergonomically very easy to use even when wearing protective gloves. The large, bright display is clear and easy to read, with full text in English and in 16 other main languages.

It does not have a multitude of tiny knobs or buttons, nor does it use incomprehensible abbreviations.

| Controlled functions | U6 | U8 ₂ | U8 ₂ Plus |
|-------------------------------------|----|-----------------|----------------------|
| QSet™ | ● | ● | ● |
| 2 / 4 -stroke torch controller | ● | ● | ● |
| End crater filling | ● | ● | ● |
| Creep start | ● | ● | ● |
| Hot Start | ● | ● | ● |
| Wire burn-back | ● | ● | ● |
| Gas purge and wire inching | ● | ● | ● |
| Digital display | ● | ● | ● |
| Pre-programmed synergic lines | 79 | 111 | 249 |
| Gas test and tension-free wire feed | ● | ● | ● |
| Memory slots | 10 | 255 | 255 |
| Pulsed arc / synergic pulsed arc | ● | ● | ● |
| Limit values assignment | ● | ● | ● |
| File manager | - | - | ● |
| Automatic data backup | - | - | ● |
| SuperPulse™ | - | - | ● |
| Production statistics | - | - | ● |



QSet™

QSet™ is the best single parameter automatic arc system on the market for the perfect short arc. The advantages are enormous! You set up the machine with the appropriate gas/wire combination, press the torch switch and start welding within seconds.

The machine determines the optimum parameters and makes any changes as required in a fraction of a second.. The wire stick out which is normally a constant length in MIG/MAG welding, can be varied with QSet™.

Whether you are close to the work piece with the torch or so far away that the gas protection almost ceases, the welding arc remains unchanged - always perfect. Unbeatable in deep seams, if you have to weld around corners or are welding upwards coming out of the downhand position.

Utilised with CO₂ gas you can weld with QSet™ with extremely low levels of spatter and can drastically reduce the gas costs, compared with mixed gas, without any loss of quality. QSet™ is ideal for welding in restricted positions, root welding, GMA brazing and for reproducible results in the series production of parts. QSet™ is also available in many other ESAB controller / machine combinations.

Synergy lines

In the Aristo® U8₂ Plus version you have more than 230 synergic lines available to you for your welding applications. From construction steel to Super Duplex, from aluminium to Ni basic alloys or for applications of hard metal. You can create by yourself customized synergic lines for any desired material and any combination of protective gas and save them as new synergic lines. You can transfer data via the USB connection, to another Aristo® U8₂ or to your computer for data backup or exchange by e-mail.

Quality control

For storage of the measured values you are offered two options in the form of the setting limits and measuring limits. The setting limits prevent the operator from inputting excessively high values for the welding process. The measuring limits ensure that the power source does not exceed the input values. Up to 16 User Accounts on three levels with various access rights and a blocking codes can be used to prevent unauthorized persons from making changes.

Production statistics

The total arc time, total quantity of material and the number of welding processes can be logged per production statistics item. In addition, the arc time and amount of material for the last welding process are recorded. The calculated molten filler metal per length unit is shown for information purposes.

SuperPulse™

In order to attain higher welding speeds, deposition rates and better gap bridging, to reduce distortion in the components and to better balance the weld penetration and its profile, you have available in the Aristo® U8₂ Plus a version the ESAB SuperPulse™ function.

SuperPulse™ combines the relevant advantages of the various types of arc. For example, the quality of the pulsed arc with the



Control Pendant Aristo® U8₂

- For manual and mechanised applications
- Supports 17 languages
- Large, bright display
- Knobs to set the wire feed speed and tension
- Knob to scroll in the menu
- USB connection to save welding and quality data
- QSet™ the perfect short arc
- Limit value assignment of set / actual values
- Wire free burning
- LAN-compatible (Aristo® W8₂)
- WeldPoint™ software
- Standard package synergic lines (92)

Additional functions Aristo® U8₂ Plus

- Complete package synergic lines (>230)
- SuperPulse™
- File manager
- Automatic welding data backup
- Create your own synergic lines
- Production statistics

Aristo® / Origo™ Mig 4002c - 5002c - 6502c

Maximum performance for Heavy Duty applications

Mig 4002c, 5002c and 6502c are workhorses for MIG/MAG and MMA electrode welding. Robust, continuously variable rectifiers with digital control, ESAB TrueArcVoltage™ technology and a fantastic price/performance ratio.

Four different operating panels are available for the wire feed unit.

Origo™ MA23 offers you the main functions for MIG/MAG and MMA welding

Origo™ MA24 offers you 35 preprogrammed synergic lines and the unique QSet™ function, the self-learning parameter automation system for the perfect short arc.

Aristo® U6: MIG/MAG pulse-welding with preprogrammed synergic lines and the QSet™ function. Menu guidance in English and many other languages.

Aristo® U8₂ and U8₂ Plus:

See pages 44-45



- High duty cycle
- Superlative welding properties - High utility and high quality through TrueArcVoltage™
- Choice of two 4-roll wire feed devices, up to 2.4 mm wire electrodes
- Continuously variable rectifiers
- Crane lifting eyes, frame suitable for lifting with forklifts
- Solid, galvanized sheet steel housing with optional air filter
- ELP - ESAB LogicPump, starts the water pump automatically
- Automatic standby mode to save energy
- Multi-voltage versions for special mains voltages
- Type of insulation IP 23 - for work outdoors
- Can be controlled remotely, digital display
- Optionally with electric Push-Pull welding torches in 6 or 10 m length
- Can be used with mechanisation, ESAB Miggytrac and Railtrac



| Technical data | Mig 4002c | Mig 5002c | Mig 6502c |
|-----------------------------------|-----------------|-----------|-----------|
| Mains supply, V / ph | 400-415 / 3 | | |
| Fuse, slow, A | 32 | 32 | 50 |
| Setting range (MIG/MAG), A | 16 - 400 | 16 - 500 | 16 - 650 |
| Open circuit voltage, V | 62 | | |
| Power factor | 0,88 | 0,9 | 0,9 |
| Efficiency at max power, % | 70 | 72 | 83 |
| Dimensions, LxWxH, mm | 830 x 640 x 835 | | |
| Weight, kg (without cooling unit) | 149 | 185 | 222 |
| Weight, kg (with cooling unit) | 163 | 199 | 236 |
| Cooling power, W (l/min) | 2500 (1,5) | | |
| Enclosure class | IP 23 | | |
| Application class | S | | |

| Maximum output at 40°C | Mig 4002c | Mig 5002c | Mig 6502c |
|------------------------|-----------|-----------|-----------|
| 60% duty cycle, A/V | 400 / 34 | 500 / 39 | 650 / 44 |
| 100% duty cycle, A/V | 310 / 30 | 400 / 34 | 500 / 39 |

Control Panel MA23

- MIG/MAG and MMA electrode welding
- 2 / 4 stroke torch switch action
- Gas test and tension-free wire feed
- Gas pre- and post-flow can be set
- Continuous choke setting
- 3 storage slots, called up from the torch button
- MMA: ArcPlus™ II regulation, Hot Start, Arc Force can be set



Control Panel MA24

- MIG/MAG and MMA electrode welding
- 35 preprogrammed synergic lines
- QSet™ Parameter automation
- 2 / 4 stroke torch switch action
- Gas test and tension-free wire feed
- Gas pre- and post-flow can be set
- Creep start and end crater filling
- Continuous inductance setting
- 3 memory slots, called up from the torch button or control panel
- MMA: ArcPlus™ II regulation, Hot Start, Arc Force can be set



Control Panel U6

- MIG/MAG pulse-type welding
- QSet™ Parameter automation
- Preprogrammed synergic lines
- 2 / 4 stroke torch switch actions
- End crater filling
- Creep start, Hot Start and wire burn-back time that can be set
- Gas pre- and post-flow can be set
- Gas test and tension-free wire feed
- Professional MMA welding
- 10 memory slots
- Limit value assignment, password protection



Complete Package

● Origo™ Mig 5002cw + Origo™ Feed 3004w MA24 V/A
+ PSF™ 510w – 4,5 mt. + earth cable 5 mt.
+ connection cable 10 m.

0479 100 242

Delivery includes

Running gear with gas bottle shelf and safety chain, wire feeder pivot, 5m mains cable and 5m earth cable

Suggested configurations

Mig 4002cw with Origo™ Feed 3004w MA23, water cooling

| | |
|---------------------------------|--------------|
| Mig 4002cw | 0349 309 780 |
| Origo™ Feed 3004w, MA23 | 0460 526 897 |
| Connection cable - m. 1,7 | 0459 528 790 |
| PSF™ 410w, L=3,0m, water cooled | 0458 400 882 |

Mig 4002cw with Aristo® Feed 3004w U6, water cooling, pulsed arc

| | |
|---------------------------------|--------------|
| Mig 4002cw | 0349 309 780 |
| Aristo® Feed 3004w, U6 | 0460 526 896 |
| Connection cable - m. 1,7 | 0459 528 790 |
| PSF™ 410w, L=3,0m, water cooled | 0458 400 882 |

Mig 5002cw with Aristo® Feed 3004w U6, water cooling, pulsed arc

| | |
|---------------------------------|--------------|
| Mig 5002cw | 0349 311 350 |
| Aristo® Feed 3004w, U6 | 0460 526 896 |
| Connection cable - m. 1,7 | 0459 528 790 |
| PSF™ 510w, L=3,0m, water cooled | 0458 400 884 |

Mig 6502cw with Origo™ Feed 4804w, MA23, water cooling

| | |
|---------------------------------|--------------|
| Mig 6502cw | 0349 311 390 |
| Origo™ Feed 4804w, MA23 | 0460 526 997 |
| Connection cable - m. 1,7 | 0459 528 790 |
| PSF™ 510w, L=3,0m, water cooled | 0458 400 884 |

Control Panel U8₂

- See pages 44-45



Configurations Aristo® / Origo™ Mig 4002c – 5002c – 6502c

Gas=self-cooled, W=water cooled

*Power sources, multi-voltage types
(230/400-415/500 V, 50Hz, 230/440-460 V, 60Hz, 3-ph)

** SuperPulse™ function

| Mig | Power sources | 4002c | | 5002c | | 6502c | |
|-----------------|---------------|-------|---|-------|---|-------|---|
| | | Gas | W | Gas | W | Gas | W |
| Mig 4002c | 0349 311 300 | ● | | | | | |
| Mig 4002cw | 0349 309 780 | | ● | | | | |
| Mig 4002c MV * | 0349 311 310 | ● | | | | | |
| Mig 4002cw MV * | 0349 311 320 | | ● | | | | |
| Mig 5002c | 0349 311 330 | | | ● | | | |
| Mig 5002cw ○ | 0349 311 350 | | | | ● | | |
| Mig 5002c MV* | 0349 311 340 | | | ● | | | |
| Mig 5002cw MV * | 0349 311 360 | | | | ● | | |
| Mig 6502c | 0349 311 370 | | | | | ● | |
| Mig 6502cw | 0349 311 390 | | | | | | ● |
| Mig 6502c MV * | 0349 311 380 | | | | | ● | |
| Mig 6502cw MV * | 0349 311 400 | | | | | | ● |


| Wire feeders | Mig | 4002c | | 5002c | | 6502c | |
|--------------------------|--------------|-------|---|-------|---|-------|---|
| | | Gas | W | Gas | W | Gas | W |
| Origo™ Feed 3004 MA23 | 0460 526 887 | ● | | ● | | ● | |
| Origo™ Feed 3004w MA23 | 0460 526 897 | | ● | | ● | | ● |
| Origo™ Feed 3004 MA24 | 0460 526 889 | ● | | ● | | ● | |
| Origo™ Feed 3004w MA24 ○ | 0460 526 899 | | ● | | ● | | ● |
| Origo™ Feed 4804w MA23 | 0460 526 997 | | ● | | ● | | ● |
| Origo™ Feed 4804w MA24 | 0460 526 999 | | ● | | ● | | ● |
| Aristo® Feed 3004 U6 | 0460 526 886 | ● | | ● | | ● | |
| Aristo® Feed 3004w U6 | 0460 526 896 | | ● | | ● | | ● |
| Aristo® Feed 4804w U6 | 0460 526 996 | | ● | | ● | | ● |

| Wire feeders for process controller U8 ₂ | Mig | 4002c | | 5002c | | 6502c | |
|--|--------------|-------|---|-------|---|-------|---|
| | | Gas | W | Gas | W | Gas | W |
| Aristo® U8 ₂ | 0460 820 880 | ● | ● | ● | ● | ● | ● |
| Aristo® U8 ₂ Plus | 0460 820 881 | ● | ● | ● | ● | ● | ● |
| Aristo® Feed 3004 ** | 0460 526 881 | ● | | ● | | ● | |
| Aristo® Feed 3004w ** | 0460 526 891 | | ● | | ● | | ● |
| Aristo® Feed 4804w | 0460 526 991 | | ● | | ● | | ● |

| Welding torches | Mig | 4002c | | 5002c | | 6502c | |
|-----------------------------------|--------------|-------|---|-------|---|-------|---|
| | | Gas | W | Gas | W | Gas | W |
| PSF™ 405, L=3,0m, self-cooled | 0458 401 882 | ● | | | | | |
| PSF™ 405, L=4,5m, self-cooled | 0458 401 883 | ● | | | | | |
| PSF™ 410w, L=3,0m, water cooled | 0458 400 882 | | ● | | | | |
| PSF™ 410w, L=4,5m, water cooled | 0458 400 883 | | ● | | | | |
| PSF™ 505, L=3,0m, self-cooled | 0458 401 884 | | | ● | | ● | |
| PSF™ 505, L=4,5m, self-cooled | 0458 401 885 | | | ● | | ● | |
| PSF™ 510w, L=3,0m, water cooled | 0458 400 884 | | | | ● | | ● |
| PSF™ 510w, L=4,5m, water cooled ○ | 0458 400 885 | | | | ● | | ● |

Push-pull torches MXHT™ at page 59

○ Package - see previous page

| Mig | Connection cables | 4002c | | 5002c | | 6502c | |
|-----|---|--------------|---|-------|---|-------|---|
| | | Gas | W | Gas | W | Gas | W |
| | Connection cable - mt. 1,7 | 0459 528 780 | ● | ● | ● | ● | ● |
| | Connection cable - mt. 5 | 0459 528 781 | ● | ● | ● | ● | ● |
| | Connection cable - mt. 10 | 0459 528 782 | ● | ● | ● | ● | ● |
| | Connection cable - mt. 15 | 0459 528 783 | ● | ● | ● | ● | ● |
| | Connection cable - mt. 25 | 0459 528 784 | ● | ● | ● | ● | ● |
| | Connection cable - mt. 35 | 0459 528 785 | ● | ● | | | |
| | Connection cable - mt. 1,7 | 0459 528 790 | | ● | ● | | ● |
| | Connection cable - mt. 5 | 0459 528 791 | | ● | ● | | ● |
| | Connection cable - mt. 10  | 0459 528 792 | | ● | ● | | ● |
| | Connection cable - mt. 15 | 0459 528 793 | | ● | ● | | ● |
| | Connection cable - mt. 25 | 0459 528 794 | | ● | ● | | ● |
| | Connection cable - mt. 35 | 0459 528 795 | | ● | ● | | ● |
| | Connection cable - mt. 1,7 | 0459 528 980 | | | | ● | |
| | Connection cable - mt. 1,7 | 0459 528 990 | | | | | ● |
| | Connection cable - mt. 5 | 0459 528 991 | | | | | ● |
| | Connection cable - mt. 10 | 0459 528 992 | | | | | ● |
| | Connection cable - mt. 15 | 0459 528 993 | | | | | ● |
| | Connection cable - mt. 25 | 0459 528 994 | | | | | ● |

| Accessories | Mig | 4002c | | 5002c | | 6502c | |
|---|--------------|-------|---|-------|---|-------|---|
| | | Gas | W | Gas | W | Gas | W |
| Cables support: | | | | | | | |
| for power sources | 0349 311 700 | ● | ● | ● | ● | ● | ● |
| for wire feeders | 0459 234 880 | ● | ● | ● | ● | ● | ● |
| Pressure reducer with flux-meter | 0000 973 096 | ● | ● | ● | ● | ● | ● |
| Dust filter | 0349 302 252 | ● | ● | ● | ● | ● | ● |
| Steel spool cover | 0459 431 880 | ● | ● | ● | ● | ● | ● |
| Wheels kit for wire feeder | 0458 707 880 | ● | ● | ● | ● | ● | ● |
| Strain relief for welding torch | 0457 341 881 | ● | ● | ● | ● | ● | ● |
| Lifting eye | 0458 706 880 | ● | ● | ● | ● | ● | ● |
| Counterbalance device | 0458 705 880 | ● | ● | ● | ● | ● | ● |
| Reinforcement for counterbalance device | 0349 309 748 | ● | ● | ● | ● | ● | ● |
| Adapter for 5kg spool | 0455 410 001 | ● | ● | ● | ● | ● | ● |
| Plastic spools adapter | 0000 701 981 | ● | ● | ● | ● | ● | ● |
| Transformer kit for CO ₂ preheater (42V – 50/60 Hz) | 0349 302 250 | ● | ● | ● | ● | ● | ● |
| Cable holder | 0349 303 362 | ● | ● | ● | ● | ● | ● |
| Water flow guard | 0349 302 251 | ● | ● | ● | ● | ● | ● |
| Cooling liquid (10 l) | 0007 810 012 | ● | ● | ● | ● | ● | ● |
| Quick connector for MarathonPac™ | F102 440 880 | ● | ● | ● | ● | ● | ● |
| Connection kit for mechanization with Miggytrac-Railtrac | 0459 681 880 | ● | ● | ● | ● | ● | ● |
| Connection kit for electric Push-pull torches, start/stop function | 0459 020 883 | ● | ● | ● | ● | ● | ● |
| Connection kit for electric Push-pull torches, wire feed speed control | 0459 681 881 | ● | ● | ● | ● | ● | ● |

Aristo[®] Mig 3001i - 4001i

Aristo[®] Mig

Aristo[®] Mig is designed for high productivity advanced manual and robotic welding applications. ESAB TrueArcVoltage™ technology, advanced knowledge of hardware and software together with more than 20 years of experience in the construction of digital welding units have been combined to produce the perfect solution. For ESAB innovation also means intuitive operation. Settings menus available in English and in many other languages.

Aristo[®] U6

MIG/MAG pulse-welding with preprogrammed synergic lines that can be replaced as desired and the unique QSet™ function, the self-learning parameter automation system for the perfect short arc.

Aristo[®] U8₂

Providing you with the ultimate level of control over the welding process. With ESAB SuperPulse™ and Aristo[®] Feed 3004 you have the toughest welding tasks well under control. Your welding data settings can be managed optimally and saved on a memory card or stick. Documentation of your welding data? No problem, that too is available as standard.

Optimal welding solutions



- Superlative welding properties - High utility and high quality through TrueArcVoltage™
- Inverters based on IGBT technology - High performance and reliability
- Housings made of galvanized steel - Robust and durable
- Professional MMA welding with ArcPlus™
- Automatic standby mode to save energy
- ELP - ESAB LogicPump, starts the water pump automatically
- IP 23 protection - for work outdoors
- Can be controlled remotely, digital display
- Optionally with electric Push-Pull welding torch in 6 in 10 m length
- Can be used with mechanisation, ESAB Miggytrac and Railtrac



| Technical data | Aristo [®] Mig 3001i | Aristo [®] Mig 4001i |
|---|-------------------------------|-------------------------------|
| Mains supply, V / ph | 400 / 3 | |
| Fuse, slow, A | 20 | 25 |
| Setting range (MIG/MAG), A | 16 - 300 | 20 - 400 |
| Open circuit voltage, V | 67 | 91 |
| Open circuit power, W | 30 | 60 |
| Power factor (MIG) | 0,9 | 0,89 |
| Efficiency at max power (MIG), % | 85 | |
| Dimensions, LxWxH, mm | 652 x 249 x 423 | |
| Dimensions (with cooling unit), LxWxH, mm | 714 x 249 x 693 | |
| Weight, kg (without cooling unit) | 33 | 43 |
| Weight, kg (with cooling unit) | 53,5 | 63,5 |
| Cooling power, W (l/min) | 1100 (1,0) | |
| Enclosure class | IP 23 | |
| Application class | S | |

Maximum output (MIG/MAG) at 40°C

| | | |
|----------------------|----------|----------|
| 35% duty cycle, A/V | 300 / 29 | 400 / 34 |
| 60% duty cycle, A/V | 240 / 26 | 320 / 30 |
| 100% duty cycle, A/V | 200 / 24 | 250 / 27 |



Control Panel U6

- MIG/MAG pulse-type welding
- QSet™ parameter automation system
- Professional MMA welding
- Preprogrammed synergic lines
- 2 / 4 stroke torch switch actions
- End crater filling
- Creep start, Hot Start and wire burn-back time that can be set
- Gas pre- and post-flow can be set
- Gas test and tension-free wire feed
- Limit value assignment, password protection
- Multi-lingual menu guidance
- 10 storage slots



Control Panel U8₂ Plus

- MIG/MAG pulse-type welding with SuperPulse™
- Controller with two wire feeders possible
- Professional MMA welding
- Preprogrammed synergic lines
- Create special synergic lines yourself
- 2 / 4 stroke torch switch actions
- End crater filling
- Creep start, HotStart and wire burn-back time that can be set
- Gas pre- and post-flow can be set
- Gas test and tension-free wire feed
- 255 storage slots
- Data storage on USB stick
- Multi-lingual menu guidance
- Limit value assignment, password protection



● Origo™ Mig 4001iw U6
Complete package 0459 795 892

Suggested configurations

Aristo® Mig 3001i with Aristo® Feed 3004 U6

| | |
|-------------------------------|--------------|
| Mig 3001i | 0459 740 882 |
| Aristo® Feed 3004, U6 | 0460 526 886 |
| Connection cable - m. 1,7 | 0459 528 780 |
| PSF™ 305, L=3,0m, self-cooled | 0458 401 880 |
| 4 wheels trolley | 0460 565 880 |

Aristo® Mig 4001iw with Aristo® Feed 3004w U6, water cooling

| | |
|---------------------------------|--------------|
| Mig 4001iw | 0460 455 883 |
| Aristo® Feed 3004iw, U6 | 0460 526 896 |
| Connection cable - m. 1,7 | 0459 528 790 |
| PSF™ 410w, L=3,0m, water cooled | 0458 400 883 |
| 4 wheels trolley | 0460 565 880 |

Aristo® Mig 4001iw with Aristo® Feed 3004w U8₂ Plus, water cooling

| | |
|---------------------------------|--------------|
| Mig 4001iw | 0460 455 883 |
| Aristo® Feed 3004iw | 0460 526 891 |
| Aristo® U8 ₂ Plus | 0460 820 881 |
| Connection cable - m. 1,7 | 0459 528 790 |
| PSF™ 410w, L=3,0m, water cooled | 0458 400 882 |
| 4 wheels trolley | 0460 565 880 |

For other configurations, see following pages

Delivery includes

5m mains cable with CEE plug and 4,5m earth cable.

Complete Package

● Aristo® Mig 4001iw + Aristo® Feed 3004 U6
+ Torch PSF™ 410w 4,5m + Earth cable 5m + Connection cable
+ 4 wheels trolley **0459 795 892**

Aristo® Mig 4004i Pulse

Low weight multi process inverter equipment



- High Duty Cycle – suitable for long runs
- Wide mains input tolerance: 380 - 440 V +/- 10%
- Generator compatible – for on site use
- Pre-programmed synergic lines to ensure optimum settings with a wide choice of materials, wire dimensions and gas combinations.
- Memory for 10 (U6) or 255 (U8₂) welding schedules
- Customized synergic lines (U8₂)
- Creep start, gas pre-flow and hot start provide a soft and more direct start with less spatter
- Crater filling adjustable burn-back time and post gas
- Standby Function – energy saving systemv

| Technical data | Aristo® Mig 4004i Pulse |
|--|-------------------------|
| Mains supply, V/Hz | 380–440, 3~50/60 |
| Fuse, anti surge, A | 20 |
| Mains cable, Ø mm ² | 4 x 4 |
| Setting range, A | |
| MIG/MAG | 16 - 400 |
| MMA | 16 - 400 |
| TIG (LiveTIG) | 4-400 |
| Open circuit voltage, V | 55 |
| Open circuit voltage VRD, V | < 35 |
| Idle power, W | 137 |
| Efficiency at max current, % | 88 |
| Power factor at max current | 0.94 |
| Dimensions L x W x H, mm | 610 x 250 x 445 |
| Weight, kg | 44.5 |
| Incl COOL 1 excl. coolant, Kg | 58 |
| Operating temperature, °C | -10 to +40 |
| Enclosure class | IP 23 |
| Application class | S |
| Insulation class | H |
| zCertification | CE |
| Maximum output (MIG/MAG)at 40°C | |
| 60% duty cycle, A/V | 400 / 34 |
| 100% duty cycle, A/V | 300 / 29 |



Control Panel U6

- MIG/MAG pulse-type welding
- QSet™ parameter automation system
- Professional MMA welding
- Preprogrammed synergic lines
- 2 / 4 stroke torch switch actions
- End crater filling
- Creep start, Hot Start and wire burn-back time that can be set
- Gas pre- and post-flow can be set
- Gas test and tension-free wire feed
- Limit value assignment, password protection
- Multi-lingual menu guidance
- 10 storage slots



Control Panel U8₂ Plus

- MIG/MAG pulse-type welding with SuperPulse™
- Controller with two wire feeders possible
- Professional MMA welding
- Preprogrammed synergic lines
- Create special synergic lines yourself
- 2 / 4 stroke torch switch actions
- End crater filling
- Creep start, HotStart and wire burn-back time that can be set
- Gas pre- and post-flow can be set
- Gas test and tension-free wire feed
- 255 storage slots
- Data storage on USB stick
- Multi-lingual menu guidance
- Limit value assignment, password protection



Suggested configurations

Aristo® Mig 4004i Pulse with Aristo® Feed 3004 U6

| | |
|-------------------------------|--------------|
| Aristo® Mig 4004i Pulse | 0465 152 881 |
| Aristo® Feed 3004, U6 | 0460 526 886 |
| Connection cable - m. 1,7 | 0459 528 780 |
| PSF™ 405, L=3,0m, self-cooled | 0458 401 882 |
| 4 wheels trolley | 0462 151 880 |
| Trolley bracket | 0463 125 880 |

Aristo® Mig 4004i Pulse with Aristo® Feed 3004w U6

| | |
|---------------------------------|--------------|
| Aristo® Mig 4004i Pulse | 0465 152 881 |
| Aristo® Feed 3004w, U6 | 0460 526 896 |
| COOL 1 cooling unit | 0462 300 880 |
| Connection cable - m. 1,7 | 0459 528 780 |
| PSF™ 410w, L=3,0m, water cooled | 0458 400 883 |
| 4 wheels trolley | 0462 151 880 |

Aristo® Mig 4004i Pulse with Aristo® Feed 3004 U8₂ Plus

| | |
|-------------------------------|--------------|
| Aristo® Mig 4004i Pulse | 0465 152 881 |
| Aristo® Feed 3004 | 0460 526 881 |
| Aristo® U8 ₂ Plus | 0460 820 881 |
| Connection cable - m. 1,7 | 0459 528 780 |
| PSF™ 405, L=3,0m, self-cooled | 0458 401 882 |
| 4 wheels trolley | 0462 151 880 |
| Trolley bracket | 0463 125 880 |

Aristo® Mig 4004i Pulse with Aristo® Feed 3004w U8₂ Plus

| | |
|---------------------------------|--------------|
| Aristo® Mig 4004i Pulse | 0465 152 881 |
| Aristo® Feed 3004w | 0460 526 891 |
| COOL 1 cooling unit | 0462 300 880 |
| Aristo® U8 ₂ Plus | 0460 820 881 |
| Connection cable - m. 1,7 | 0459 528 780 |
| PSF™ 410w, L=3,0m, water cooled | 0458 400 882 |
| 4 wheels trolley | 0462 151 880 |

Delivery includes

5m mains cable with CEE plug and 5m earth cable incl clamp.

Aristo[®] Mig U4000iw - 5000iw - U5000iw

Optimal welding solutions



- Superlative welding properties - High benefits from TrueArcVoltage™
- Inverter based on IGBT technology - High performance and reliability
- Housing with frame made of aluminium extruded profile, can be lifted by crane
- Dust filter included - reduces possible failures due to deposits of grinding dust, for example
- Energy-saving mode after 6.5 minutes if welding is interrupted
- ELP, ESAB LogicPump, starts the water pump automatically
- Optionally with electric Push-Pull welding torches in 6 or 10 m length
- Can be used with mechanisation, ESAB Miggytrac and Railtrac
- Can be controlled remotely, digital display
- IP 23 - allows use outdoors

Professional TIG DC welding with Mig U4000iw and U5000iw

- High frequency and LiftArc™ striking
- TIG pulse-welding with DC
- Current rise time, welding current, pulse time, base current, base current time, current reduction and post-current time can be set



Control Panel U6

- MIG/MAG pulse-type welding
- QSet™ parameter automation system
- Professional MMA electrode welding
- Professional TIG DC welding with Aristo[®] Mig U4000iw and U5000iw
- Carbon arc gouging
- Preprogrammed synergic lines
- 2 / 4 stroke torch switch actions
- End crater filling
- Creep start, HotStart and wire burn-back time that can be set
- Gas pre- and post-flow can be set
- Gas test and voltage free wire inch
- 10 storage slots
- Multi-lingual menu guidance
- Limit value assignment, password protection

| Technical data | Aristo [®] Mig U4000iw | Aristo [®] Mig 5000iw/U5000iw |
|--------------------------------|---------------------------------|--|
| Mains supply, V / ph | | 400 / 3 |
| Fuse, slow, A | 35 | |
| Setting range, A | 16 - 400 | 16 - 500 |
| Open circuit voltage, V | 55 - 70 | 68 - 88 |
| Open circuit power, W | 60 | 50 |
| Dimensions, LxWxH, mm | | 625 x 394 x 776 |
| Weight, kg (with cooling unit) | 77 | 86 |
| Enclosure class | | IP 23 |
| Application class | | S |

Maximum output at 40°C

| | | |
|----------------------|-----|-----|
| 35% duty cycle, A/V | 400 | - |
| 60% duty cycle, A/V | 320 | 500 |
| 100% duty cycle, A/V | 250 | 400 |

Delivery includes

5m mains cable with CEE plug and 5m earth cable.



Control Panel U8₂ Plus

- MIG/MAG pulse-type welding with SuperPulse™
- Control of two wire feed boxes is possible
- Professional MMA welding
- Professional TIG DC welding with Aristo® Mig U4000iw and U5000iw
- Carbon arc gouging
- Preprogrammed synergic lines
- Creep start, HotStart and wire burn-back time that can be set
- Special synergic lines can be set
- 2 / 4 stroke torch switch actions
- End crater filling
- Gas pre- and post-flow can be set
- Gas test and tension-free wire feed
- 255 storage slots
- Data storage on USB stick
- Multi-lingual menu guidance
- Limit value assignment, password protection



Suggested configurations

Aristo® Mig U4000iw with Aristo® Feed 3004w U6

| | |
|---------------------------------|--------------|
| Aristo® Mig U4000iw | 0458 625 885 |
| Aristo® Feed 3004w U6 | 0460 526 896 |
| Connection cable - m. 1,7 | 0459 528 970 |
| PSF™ 410w, L=3,0m, water cooled | 0458 400 882 |
| 4 wheels trolley | 0458 530 880 |

Aristo® Mig U4000iw with Aristo® Feed 3004w U8₂

| | |
|---------------------------------|--------------|
| Aristo® Mig U4000iw | 0458 625 885 |
| Aristo® Feed 3004w | 0460 526 891 |
| Aristo® U8 ₂ | 0460 820 880 |
| Connection cable - m. 1,7 | 0459 528 970 |
| PSF™ 410w, L=3,0m, water cooled | 0458 400 882 |
| 4 wheels trolley | 0458 530 880 |

Aristo® Mig U4000iw with Aristo® Feed 3004w U8₂ Plus

| | |
|---------------------------------|--------------|
| Aristo® Mig U4000iw | 0458 625 885 |
| Aristo® Feed 3004w | 0460 526 891 |
| Aristo® U8 ₂ Plus | 0460 820 881 |
| 4 wheels trolley | 0458 530 880 |
| Connection cable - m. 1,7 | 0459 528 970 |
| PSF™ 410w, L=3,0m, water cooled | 0458 400 882 |

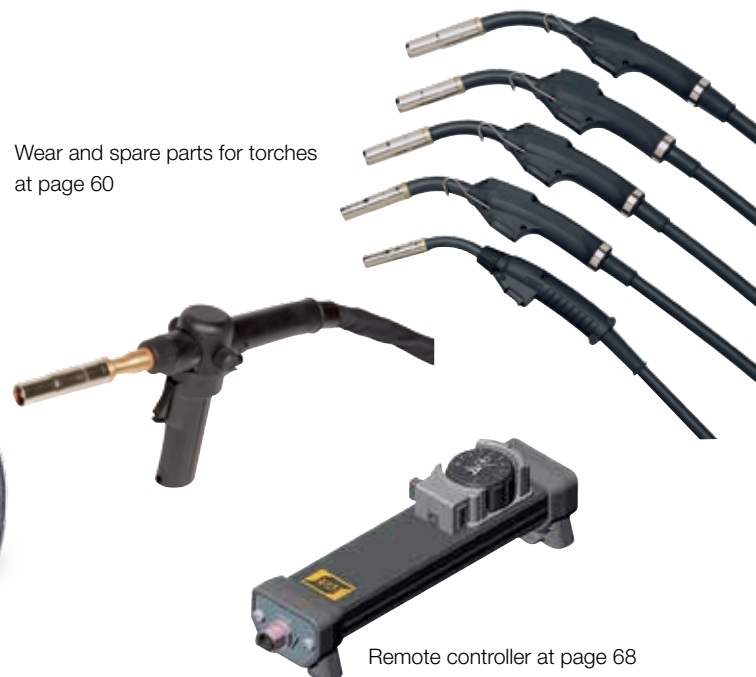
Aristo® Mig 5000iw with Aristo® Feed 4804w U6

| | |
|---------------------------------|--------------|
| Aristo® Mig 5000iw | 0459 230 881 |
| Aristo® Feed 4804w U6 | 0460 526 996 |
| Connection cable - m. 1,7 | 0459 528 970 |
| PSF™ 510w, L=3,0m, water cooled | 0458 400 884 |
| 4 wheels trolley | 0458 530 880 |

Aristo® Mig 5000iw with Aristo® Feed 3004w U8₂ Plus, double wire feeder

| | |
|---------------------------------------|--------------|
| Aristo® Mig 5000iw | 0459 230 881 |
| Aristo® Feed 3004w (x2) | 0460 526 891 |
| Aristo® U8 ₂ Plus | 0460 820 881 |
| 4 wheels trolley - large | 0458 603 880 |
| Kit for double wire feeder attachment | 0459 546 880 |
| Connection cable - m. 1,7 (x2) | 0459 528 970 |
| PSF™ 510w, L=3,0m, water cooled (x2) | 0458 400 884 |

Wear and spare parts for torches at page 60



Remote controller at page 68

Configurations Aristo® Mig 3001i - 4001i - 4004i Pulse

*In conjunction with AristoFeed U6

Aristo® Mig

Power sources

| | Aristo® Mig | 3001i | | 4001i | | 4004i Pulse | |
|----------------------|--------------|-------|---|-------|---|-------------|---|
| | | Gas | W | Gas | W | Gas | W |
| Mig 3001i | 0459 740 882 | ● | | | | | |
| Mig 3001iw | 0459 740 883 | | ● | | | | |
| Mig 4001i | 0460 455 882 | | | ● | | | |
| Mig 4001iw | 0460 455 883 | | | | ● | | |
| Mig 4004i Pulse | 0465 152 881 | | | | | ● | ● |
| COOL 1, water cooler | 0462 300 880 | | | | | | ● |

Wire feeders

for process controller U6

| | Aristo® Mig | 3001i | | 4001i | | 4004i Pulse | |
|---------------------------|--------------|-------|---|-------|---|-------------|---|
| | | Gas | W | Gas | W | Gas | W |
| Aristo® Feed 3004 U6 | 0460 526 886 | ● | | ● | | ● | |
| Aristo® Feed 3004w U6 | 0460 526 896 | | ● | | ● | | ● |
| Aristo® Feed 4804w U6 | 0460 526 996 | | ● | | ● | | |
| Aristo® YardFeed 2000 U6 | 0459 906 886 | ● | | ● | | ● | |
| Aristo® YardFeed 2000w U6 | 0459 906 896 | | ● | | ● | | ● |

Wire feeders

for process controller U8₂

| | Aristo® Mig | 3001i | | 4001i | | 4004i Pulse | |
|------------------------------|--------------|-------|---|-------|---|-------------|---|
| | | Gas | W | Gas | W | Gas | W |
| Aristo® U8 ₂ | 0460 820 880 | ● | ● | ● | ● | ● | ● |
| Aristo® U8 ₂ Plus | 0460 820 881 | ● | ● | ● | ● | ● | ● |
| Aristo® Feed 3004 ** | 0460 526 881 | ● | | ● | | ● | |
| Aristo® Feed 3004w ** | 0460 526 891 | | ● | | ● | | ● |
| Aristo® Feed 4804w | 0460 526 991 | | ● | | ● | | |

Connection cables Feed 3004/4804

| | Aristo® Mig | 3001i | | 4001i | | 4004i Pulse | |
|----------------------------|--------------|-------|---|-------|---|-------------|---|
| | | Gas | W | Gas | W | Gas | W |
| Connection cable - mt. 1,7 | 0459 528 780 | ● | | ● | | ● | |
| Connection cable - mt. 5 | 0459 528 781 | ● | | ● | | ● | |
| Connection cable - mt. 10 | 0459 528 782 | ● | | ● | | ● | |
| Connection cable - mt. 15 | 0459 528 783 | ● | | ● | | ● | |
| Connection cable - mt. 25 | 0459 528 784 | ● | | ● | | ● | |
| Connection cable - mt. 35 | 0459 528 785 | ● | | ● | | ● | |
| Connection cable - mt. 1,7 | 0459 528 790 | | ● | | ● | | ● |
| Connection cable - mt. 5 | 0459 528 791 | | ● | | ● | | ● |
| Connection cable - mt. 10 | 0459 528 792 | | ● | | ● | | ● |
| Connection cable - mt. 15 | 0459 528 793 | | ● | | ● | | ● |
| Connection cable - mt. 25 | 0459 528 794 | | ● | | ● | | ● |
| Connection cable - mt. 35 | 0459 528 795 | | ● | | ● | | ● |

Connection cables YardFeed 2000

| | Aristo® Mig | 3001i | | 4001i | | 4004i Pulse | |
|---------------------------|--------------|-------|---|-------|---|-------------|---|
| | | Gas | W | Gas | W | Gas | W |
| Connection cable - mt. 10 | 0459 528 562 | ● | | ● | | ● | |
| Connection cable - mt. 15 | 0459 528 563 | ● | | ● | | ● | |
| Connection cable - mt. 25 | 0459 528 564 | ● | | ● | | ● | |
| Connection cable - mt. 35 | 0459 528 565 | ● | | ● | | ● | |
| Connection cable - mt. 50 | 0459 528 566 | ● | | ● | | ● | |
| Connection cable - mt. 10 | 0459 528 572 | | ● | | ● | | ● |
| Connection cable - mt. 15 | 0459 528 573 | | ● | | ● | | ● |
| Connection cable - mt. 25 | 0459 528 574 | | ● | | ● | | ● |
| Connection cable - mt. 35 | 0459 528 575 | | ● | | ● | | ● |
| Connection cable - mt. 50 | 0459 528 576 | | ● | | ● | | ● |

● Package - see previous page

**With SuperPulse™ function

Aristo® Mig

Accessories

| | | 3001i | | 4001i | | 4004i Pulse | |
|---|--------------|-------|---|-------|---|-------------|---|
| | | Gas | W | Gas | W | Gas | W |
| 4 wheels trolley * | 0460 565 880 | ● | ● | ● | ● | ● | ● |
| 4 wheels trolley | 0462 151 880 | | | | | ● | ● |
| 2 wheels trolley ** | 0460 564 880 | ● | ● | ● | ● | ● | ● |
| Water flow guard for CoolMidi 1000 | 0456 855 881 | | ● | | ● | | ● |
| 7.5 m control cable extension for Aristo U82 | 0460 877 891 | ● | ● | ● | ● | ● | ● |
| Strain relief for welding torch | 0457 341 881 | ● | ● | ● | ● | ● | ● |
| Lifting eye for wire feeder | 0458 706 880 | ● | ● | ● | ● | ● | ● |
| Wheels kit for wire feeder | 0458 707 880 | ● | ● | ● | ● | ● | ● |
| Adapter for 5kg spool | 0455 410 001 | ● | ● | ● | ● | ● | ● |
| Connection kit for mechanization with Miggytrac-Railtrac | 0459 681 880 | ● | ● | ● | ● | ● | ● |
| Connection kit for mechanization with Miggytrac-Railtrac | 0459 681 880 | ● | ● | ● | ● | ● | ● |
| Connection kit for electric PP torches, start/stop function | 0459 020 883 | ● | ● | ● | ● | ● | ● |
| Connection kit for electric PP torches, wire feed speed control | 0459 681 881 | ● | ● | ● | ● | ● | ● |

Mounting accessories

| | | | | | | | |
|---|------------------|---|---|---|---|---|---|
| Counterbalance device | 0458 705 880 | ● | ● | ● | ● | ● | ● |
| Bracket kit to assembly to the trolleys | 0460 564/565 880 | | | | | ● | ● |
| Stabilizer (for counterbalance device) | 0460 946 880 | ● | ● | ● | ● | ● | ● |
| Rack mounting brackets | 0460 911 880 | ● | ● | ● | ● | | |

Push-Pull torches MXH™ at page 59

* for counterbalance device solution for Aristo® Mig 4004i Pulse

**for 2 wheels trolley application for Aristo® Mig 4004i Pulse

| Welding torches | Aristo® Mig | 3001i | | 4001i | | 4004i Pulse | |
|---------------------------------|--------------|-------|---|-------|---|-------------|---|
| | | Gas | W | Gas | W | Gas | W |
| PSF™305, L=3,0m | 0458 401 880 | ● | | | | | |
| PSF™305, L=4,5m | 0458 401 881 | ● | | | | | |
| PSF™ 405, L=3,0m, self-cooled | 0458 401 882 | | | ● | | ● | |
| PSF™ 405, L=4,5m, self-cooled | 0458 401 883 | | | ● | | ● | |
| PSF™ 410w, L=3,0m, water cooled | 0458 400 882 | | ● | | ● | | ● |
| PSF™ 410w, L=4,5m, water cooled | 0458 400 883 | | ● | | ● | | ● |

Aristo® Mig U4000iw - 5000iw - U5000iw

Ordering information

Power sources

| | |
|-------------------------------------|--------------|
| Aristo® Mig U4000iw | 0458 625 885 |
| Aristo® Mig 5000iw | 0459 230 881 |
| Aristo® Mig 5000iw, with flow guard | 0459 230 896 |
| Aristo® Mig U5000iw | 0459 230 883 |
| 4 wheels trolley | 0458 530 880 |

Wire feeders

| | |
|-------------------------------------|--------------|
| Aristo® Feed 3004w U6 | 0460 526 896 |
| Aristo® Feed 4804w U6 | 0460 526 996 |
| Aristo® Feed 3004w with SuperPulse™ | 0460 526 891 |
| Aristo® Feed 4804w | 0460 526 991 |
| Aristo® U8 ₂ | 0460 820 880 |
| Aristo® U8 ₂ Plus | 0460 820 881 |

Connection cables

| | |
|-----------------------------|--------------|
| Connection cable - mt. 1,7 | 0459 528 970 |
| Connection cable - mt. 5,0 | 0459 528 971 |
| Connection cable - mt. 10,0 | 0459 528 972 |
| Connection cable - mt. 15,0 | 0459 528 973 |
| Connection cable - mt. 25,0 | 0459 528 974 |
| Connection cable - mt. 35,0 | 0459 528 975 |

Accessories for double wire feeder

| | |
|--|--------------|
| 4-wheels trolley, large, with gas bottle shelf, for double wire feeder | 0458 603 880 |
| Attachment kit for double wire feeder | 0459 546 880 |

Accessories

| | |
|--|--------------|
| Pressure reducer with flux-meter | 0000 973 096 |
| Steel spool cover | 0459 431 880 |
| Wheels kit for wire feeder | 0458 707 880 |
| Strain relief for welding torch | 0457 341 881 |
| Cable holder | 0459 234 880 |
| Lifting eye | 0458 706 880 |
| Counterbalance device | 0458 705 880 |
| Adapter for 5kg spool | 0455 410 001 |
| Plastic spools adapter | 0000 701 981 |
| Water flow guard | 0456 855 880 |
| Memory stick USB | 0462 062 001 |
| 7,5m extension cable for Aristo® U8 ₂ | 0460 877 891 |
| Multi-voltage unit (208-575V 50/60Hz) | 0459 145 880 |
| Connection kit for electric Push-pull torches, wire feed speed control | 0459 681 881 |
| Connection kit for electric Push-pull torches, start/stop function | 0459 020 883 |
| Cooling liquid, 10 liters | 0007 810 012 |
| Quick connector for MarathonPac™ | F102 440 880 |

Professional MIG/MAG welding torches

PSF™ Torches

- Ergonomically shaped welding torches
- Ball joint in the hand piece
- Screwed gas nozzles
- Sprung switch contact pins



- Available in lengths of 3 m or 4.5 m
- PSF™ Centrovac fume extraction torch
- PSF™ RS3 - with 3 program switches
- CuCrZr contact tips with a long working life
- HELIX™ contact for mechanised applications



Ordering information

PSF™ self-cooled

| | |
|-----------------|--------------|
| PSF™ 250, 3,0 m | 0368 100 882 |
| PSF™ 250, 4,5 m | 0368 100 883 |
| PSF™ 305, 3,0 m | 0458 401 880 |
| PSF™ 305, 4,5 m | 0458 401 881 |
| PSF™ 405, 3,0 m | 0458 401 882 |
| PSF™ 305, 5,0 m | 0458 401 896 |
| PSF™ 405, 4,5 m | 0458 401 883 |
| PSF™ 505, 3,0 m | 0458 401 884 |
| PSF™ 505, 4,5 m | 0458 401 885 |

PSF™ water cooled

| | |
|------------------|--------------|
| PSF™ 410w, 3,0 m | 0458 400 882 |
| PSF™ 410w, 4,5 m | 0458 400 883 |
| PSF™ 510w, 3,0 m | 0458 400 884 |
| PSF™ 510w, 4,5 m | 0458 400 885 |
| PSF™ 401w, 5,0 m | 0458 400 886 |
| PSF™ 501w, 5,0 m | 0458 400 887 |

Euro adapter, for connection to old ESAB machines **0349 501 001**

Ordering information

PSF™ with fume extraction

| | |
|--------------------|--------------|
| PSF™ 250C, 3,0 m | 0468 410 882 |
| PSF™ 250C, 4,5 m | 0468 410 883 |
| PSF™ 315CLD, 3,0 m | 0468 410 885 |
| PSF™ 315CLD, 4,5 m | 0468 410 886 |
| PSF™ 405C, 3,0 m | 0458 499 882 |
| PSF™ 405C, 4,5 m | 0458 499 883 |
| PSF™ 410Cw, 3,0 m | 0458 450 880 |
| PSF™ 410Cw, 4,5 m | 0458 450 881 |

PSF™ with 3 program switches

| | |
|-----------------------|--------------|
| PSF™ 405 RS3, 4,5 m | 0458 401 893 |
| PSF™ 305 RS3, 4,5 m | 0458 401 895 |
| PSF™ 405 RS3, 3,0 m | 0458 401 892 |
| PSF™ 410w RS3, 3,0 m | 0458 400 898 |
| PSF™ 410w RS3, 4,5 m | 0458 400 899 |
| PSF™ 510w RS3, 3,0 m | 0458 400 900 |
| PSF™ 510w RS3, 4,5 m | 0458 400 901 |
| PSF™ 410Cw RS3, 3,0 m | 0458 450 884 |
| PSF™ 410Cw RS3, 4,5 m | 0458 450 885 |

| Technical data PSF™ torches | Max welding current | | | Wire diameter (mm) | | | Weight (kg) | |
|--------------------------------|---------------------|-----------|------------|--------------------|-------------|-----------|-------------|-------|
| | CO ₂ | Mix | Mild steel | Stainless | Cored wires | Aluminium | 3 m | 4,5 m |
| PSF™ 250 | 250A 60% | 225A 60% | 0,6 - 1,0 | 0,6 - 1,0 | 1,0 | 1,0 | 1,8 | 2,5 |
| PSF™ 305 | 315A 60% | 285A 60% | 0,8 - 1,2 | 0,8 - 1,2 | 1,0 - 1,2 | 1,0 - 1,2 | 2,5 | 3,3 |
| PSF™ 405 | 380A 60% | 325A 60% | 0,8 - 1,6 | 0,8 - 1,2 | 1,0 - 1,6 | 1,0 - 1,6 | 3,1 | 4,2 |
| PSF™ 505 | 475A 60% | 410A 60% | 1,0 - 2,4 | 1,0 - 1,6 | 1,0 - 2,4 | 1,2 - 2,4 | 3,9 | 5,3 |
| PSF™ 410w | 400A 100% | 350A 100% | 0,8 - 1,6 | 0,8 - 1,2 | 1,0 - 1,6 | 1,0 - 1,6 | 3,0 | 3,9 |
| PSF™ 510w | 500A 100% | 440A 100% | 1,0 - 2,4 | 1,0 - 1,6 | 1,0 - 2,4 | 1,2 - 2,4 | 3,3 | 4,0 |
| PSF™ 250C | 250A 60% | 225A 60% | 0,6 - 1,0 | 0,6 - 1,0 | 1,0 | 1,0 | 3,5 | 5,0 |
| PSF™ 315CLD | 315A 60% | 285A 60% | 0,8 - 1,2 | 0,8 - 1,2 | 1,0 - 1,2 | 1,0 - 1,2 | 4,3 | 5,4 |
| PSF™ 405C | 380A 60% | 325A 60% | 0,8 - 1,6 | 0,8 - 1,2 | 1,0 - 1,6 | 1,0 - 1,6 | 4,6 | 6,8 |
| PSF™ 410Cw | 400A 100% | 350A 100% | 0,8 - 1,6 | 0,8 - 1,2 | 1,0 - 1,6 | 1,0 - 1,6 | 4,0 | 6,2 |

MXH™ welding torches

- Electric Push-Pull torches
- Available in Lengths of 6 m or 10 m
- Optimal matching of the gear ratio with Origo™ Feed 304, 3004 and Aristo® Feed 3004
- Usable with compact units Origo™ Mig C340, C420 and Mig C3000i
- Ideal for the welding of soft or thin wires, such as aluminium
- 45° swan neck that can be rotated by 360°
- CuCrZr contact tips with a long working life
- High ability to react to changes in the wire feed speed
- Ideal for the Aristo® SuperPulse process



Ordering information

MXH™ Push-pull torches

| | |
|----------------------------------|--------------|
| MXH™ 300 PP, 6 m* | 0700 200 017 |
| MXH™ 300 PP, 10 m* | 0700 200 018 |
| MXH™ 300PP, 10 m, swan neck 45° | 0700 200 020 |
| MXH™ 400w PP, 6 m* | 0700 200 015 |
| MXH™ 400w PP, 10 m* | 0700 200 016 |
| MXH™ 400wPP, 10 m, swan neck 45° | 0700 200 019 |

*Straight swan neck

Accessories for MXH™ Push-pull torches

Connection kit, start/stop function

| | |
|---------------------------------------|--------------|
| For Feed 3004 and 4804 und Mig C3000i | 0459 020 883 |
| For Origo™ Mig C340 | 0349 308 980 |
| For Origo™ Mig C420 | 0349 308 337 |

Connection kit, wire speed control function

| | |
|------------------------|--------------|
| For Feed 3004 and 4804 | 0459 681 881 |
| For Mig C3000i | 0459 681 891 |

In conjunction with Origo™ Feed M12/M13 adapter is not needed

| Technical data MXH™ Torches | Max welding current | | | | Wire diameter (mm) | | | | Weight (kg) | |
|--------------------------------|---------------------|-------|------------|------------|--------------------|-------------|-----------|-----|-------------|--|
| | CO ₂ | | Mix | Mild steel | Stainless | Cored wires | Aluminium | 6 m | 10 m | |
| MXH™ 300 PP | 290A | 60 % | 260A 60 % | 0,8 - 1,2 | 0,8 - 1,2 | 0,9 - 1,2 | 0,8 - 1,2 | 6,6 | 9,2 | |
| MXH™ 400w PP | 400A | 100 % | 350A 100 % | 0,8 - 1,2 | 0,8 - 1,2 | 0,9 - 1,2 | 0,8 - 1,6 | 5,6 | 7,8 | |



PKB torches: at page 66



Carryvac welding fume extraction unit: see ESAB Accessories catalogue

PSF™ and MXH™ welding torches wear parts



| | | PSF™ 250 | PSF™ 305 PSF™ 410w | PSF™ 405 PSF™ 510w | PSF™ 505 |
|-------------------------|-------------|--------------|-----------------------|-----------------------|--------------|
| Swan neck | straight 0° | 0469 329 880 | 0469 333 880 | 0469 334 880 | 0469 335 880 |
| Self-cooled | angled 45° | 0366 315 880 | 0366 388 880 | 0366 389 880 | 0366 390 880 |
| PSF™ 250 - 505 | angled 60° | 0467 985 880 | 0467 988 881 | 0467 988 880 | 0467 989 880 |
| Swan neck | angled 0° | - | 0458 403 886 | 0458 403 887 | - |
| Water cooled | angled 45° | - | 0458 403 881 | 0458 403 882 | - |
| PSF™ 410w - 510w | angled 60° | - | - | 0458 403 884 | 0458 403 885 |
| - | | | | | |
| Gas nozzle | conical | 0458 465 881 | 0458 465 882 | 0458 465 883 | 0458 465 884 |
| Threaded | standard | 0458 464 881 | 0458 464 882 | 0458 464 883 | 0458 464 884 |
| With spatter protection | straight | 0458 470 881 | 0458 470 882 | 0458 470 883 | 0458 470 884 |
| Spatter protection | | 0458 471 002 | 0458 471 003 | 0458 471 004 | 0458 471 005 |
| Spot welding acc. | | 0366 643 881 | - | - | - |
| Tip adaptor | M6 | 0366 314 001 | - | - | - |
| (gas diffusor) | M8, short | - | 0366 394 002 | 0366 394 002 | 0366 395 001 |
| | M8, long | - | 0458 224 001 | 0458 224 001 | - |
| | HELIX™ M7 | - | 0368 311 001 | 0368 311 001 | - |
| | HELIX™ M8 | - | - | 0366 394 002 | 0366 395 001 |



| | CO ₂ | Mix | | | | |
|----------------|-----------------|-----|---------------|---------------|---------------|---------------|
| Contact tip | 0,6 | - | 0468 500 001 | 0468 500 001 | 0468 500 001 | - |
| M6 x 27 CuCrZr | - | 0,6 | 0468 500 002 | 0468 500 002 | 0468 500 002 | - |
| | 0,8 | - | 0468 500 003* | 0468 500 003* | 0468 500 003* | - |
| | 0,9 | 0,8 | 0468 500 004 | 0468 500 004 | 0468 500 004 | - |
| | 1,0 | 0,9 | 0468 500 005* | 0468 500 005* | 0468 500 005* | - |
| | 1,2 | 1,0 | 0468 500 007* | 0468 500 007* | 0468 500 007* | - |
| | 1,4 | 1,2 | - | 0468 500 008* | 0468 500 008* | - |
| | 1,6 | - | - | 0468 500 009 | 0468 500 009 | - |
| | - | 1,6 | - | 0468 500 010 | 0468 500 010 | - |
| Contact tip | 0,8 | - | - | 0468 502 003* | 0468 502 003* | 0468 502 003* |
| M8 x 37 CuCrZr | 0,9 | 0,8 | - | 0468 502 004 | 0468 502 004 | 0468 502 004 |
| | 1,0 | 0,9 | - | 0468 502 005* | 0468 502 005* | 0468 502 005* |
| | 1,2 | 1,0 | - | 0468 502 007* | 0468 502 007* | 0468 502 007* |
| | 1,4 | 1,2 | - | 0468 502 008* | 0468 502 008* | 0468 502 008* |
| | 1,6 | - | - | 0468 502 009 | 0468 502 009 | 0468 502 009 |
| | - | 1,6 | - | 0468 502 010 | 0468 502 010 | 0468 502 010 |
| | 2,0 | 2,0 | - | - | 0468 502 011 | 0468 502 011 |
| | 2,4 | 2,4 | - | - | 0468 502 012 | 0468 502 012 |

For more details on HELIX™, gas nozzles, contact tips and other items please refer to instruction manuals



| | | 3 m / 4,5 m | 3 m / 4,5 m | 3 m / 4,5 m | 3 m / 4,5 m |
|---------------------------|-------------|----------------|----------------|----------------|----------------|
| Steel liner | 0,6 - 0,8 | 0366 549 882/3 | 0366 549 882/3 | 0366 549 882/3 | - |
| for steel and cored wires | 0,9 - 1,0 | 0366 549 884/5 | 0366 549 884/5 | 0366 549 884/5 | 0366 549 884/5 |
| | 1,2 | - | 0366 549 886/7 | 0366 549 886/7 | 0366 549 886/7 |
| | 1,4 | - | 0366 549 888/9 | 0366 549 888/9 | 0366 549 888/9 |
| | 1,6 | - | 0366 549 890/1 | 0366 549 890/1 | 0366 549 890/1 |
| | 2,0 (4,5 m) | - | - | 0366 549 898 | 0366 549 898 |
| | 2,4 (4,5 m) | - | - | 0366 549 899 | 0366 549 899 |
| PTFE liner | - | - | - | - | - |
| for steel and aluminium. | 0,8 | 0366 550 833/3 | 0366 550 882/3 | 0366 550 882/3 | - |
| | 0,9 - 1,0 | 0366 550 884/5 | 0366 550 884/5 | 0366 550 884/5 | 0366 550 884/5 |
| | 1,2 | - | 0366 550 886/7 | 0366 550 886/7 | 0366 550 886/7 |
| | 1,4 | - | 0366 550 888/9 | 0366 550 888/9 | 0366 550 888/9 |
| | 1,6 | - | 0366 550 890/1 | 0366 550 890/1 | 0366 550 890/1 |
| | 2,0/2,4 | - | - | 0366 550 892/3 | 0366 550 892/3 |

For more detail please refer to instruction manuals.

| | | | | | |
|---|-----------------|----------------|----------------|----------------|----------------|
| Duraliner (beige) | 1,0 - 1,2 | 0457 969 882/3 | 0457 969 882/3 | 0457 969 882/3 | 0457 969 882/3 |
| | 1,4 - 1,6 (3 m) | - | 0457 969 884 | 0457 969 884 | 0457 969 884 |
| Ceramic Teflon liner, without wear insert, for aluminium and alloyed steels | | | | | |
| LF-Liner™ | 0,8 - 1,2 | 0460 233 880/1 | 0460 233 880/1 | 0460 233 880/1 | 0460 233 880/1 |
| Special liner for aluminium wires | | | | | |

* Available in 100 pieces packing 0468 500/502 -303, 305, 307. 308 only valid for 0468 502.

| | | PSF™ 250C | PSF™ 315 CLD | PSF™ 410Cw | PSF™ 405C |
|--|--|-----------|--------------|------------|-----------|
|--|--|-----------|--------------|------------|-----------|

| For torches with fume extraction | | | | | |
|---|------------|--------------|--------------|--------------|--------------|
| Swan neck | angled 45° | 0366 315 880 | 0457 862 880 | 0458 487 880 | 0459 763 880 |
| Fume extraction nozzle | straight | 0369 796 002 | 0369 796 002 | 0458 495 001 | 0458 495 001 |
| | conical | 0466 905 002 | 0466 905 004 | 0458 498 001 | 0458 498 001 |
| | short | 0466 905 003 | - | - | - |

| | | MXH™ 300 PP | MXH™ 400w PP |
|--|--|-------------|--------------|
|--|--|-------------|--------------|

| | | | |
|-----------------------------------|-------------------------|--------------|--------------|
| Swan neck (without wear parts) | angled 0° | 0700 200 252 | 0700 200 250 |
| | angled 45° | 0700 200 253 | 0700 200 251 |
| Wear parts (for swan necks) | angled 0° | 0700 200 182 | 0700 200 182 |
| | angled 45° | 0700 200 183 | 0700 200 183 |
| Gas nozzle | conical | 0458 465 882 | 0458 465 882 |
| | Threaded | 0458 464 882 | 0458 464 882 |
| | With spatter protection | 0458 470 882 | 0458 470 882 |
| Spatter protection | | 0458 471 003 | 0458 471 004 |
| Tip adaptor (gas diffuser) | M8, short | 0460 819 001 | 0460 819 001 |
| | M8, long | 0458 224 001 | 0458 224 001 |
| | HELIX™ M8 | 0460 819 001 | 0460 819 001 |

| | CO ₂ | Mix/Ar | | |
|----------------|-----------------|--------|---------------|---------------|
| Contact tip | 0,8 | - | 0468 502 003* | 0468 502 003* |
| M8 x 37 CuCrZr | 0,9 | 0,8 | 0468 502 004 | 0468 502 004 |
| | 1,0 | 0,9 | 0468 502 005* | 0468 502 005* |
| | 1,2 | 1,0 | 0468 502 007* | 0468 502 007 |
| | 1,4 | 1,2 | 0468 502 008* | 0468 502 008* |
| | 1,6 | - | 0468 502 009 | 0468 502 009 |
| | - | 1,6 | 0468 502 010 | 0468 502 010 |

For more details on HELIX™, gas nozzles, contact tips and other items please refer to instruction manuals

| | | | |
|----------------|-----------|--------------|--------------|
| Polyamid liner | 1,0 - 1,6 | 0700 200 181 | 0700 200 181 |
| Teflonliner | 0,8 | 0700 200 179 | 0700 200 179 |
| Steel liner | 0,8 | 0700 200 176 | 0700 200 176 |
| Steel liner | 1,0 - 1,2 | 0700 200 177 | 0700 200 177 |

Feeding rolls

| | | |
|--|--------------|--------------|
| For 0,8 mm steel, stainless, aluminium wires | 0700 200 184 | 0700 200 184 |
| For 1,0 mm steel, stainless, aluminium wires | 0700 200 185 | 0700 200 185 |
| For 1,2 mm steel, stainless, aluminium wires | 0700 200 186 | 0700 200 186 |
| For 1,6 mm aluminium wires | 0700 200 205 | 0700 200 205 |

* Available in 100 pieces packing 0468 500/502 -303, 305, 307. 308 only valid for 0468 502.



Wire feed units

Good wire feed units are crucial for MIG/MAG welding.

The Feed 304, 3004, 484 and 4804 have been designed for professional use and to meet the toughest quality requirements. The wire feed units have robust 4-rolls drives with grooved and geared feed and pressure rollers. The pressure rolls are mounted in a balancing beam that distributes the pressure evenly over the rolls. The wire is fed consistently and accurately.

Electronically regulated motors ensure that there is a constant feeding of wire and thus for a constant welding current. The wire feed speed that you set is maintained with high precision. ESAB LogicPump ELP, the coolant pump is switched on automatically when connecting a water-cooled welding torch.

Feed 304 and 3004 can be used for welding wires of up to 1.6 mm, Feed 484 and 4804 for hard continuous use with up to 2.4 mm wire diameter. The relevant control panels decide the versatile functionality in connection with the selected welding current source.

YardFeed 200 and 2000

YardFeed 200 and 2000 are special versions of the Feed 3004, with especially small dimensions. Designed so that they can also reach welding areas that are very hard to get to, for example, through manholes. YardFeed is mounted in a protective frame that is provided with plastic runners to allow it to be moved easily. For 5 kg and 200 mm wire coils. Intermediate cables to the welding current source of up to 50 m are available.

Configuration options with step-switched and stepless current sources.



Optimal welding solutions



| Technical data | Feed 304 / 3004 | Feed 484 / 4804 |
|--|---------------------|---------------------|
| Mains supply, V AC, Hz | 42, 50/60 | |
| Spool type, weight kg | 18 | |
| Weight of the wire feeder, kg | 15 | 19 |
| Wire feed speed, m/min | 1.9 - 25 / 0.8 - 25 | 1.9 - 25 / 0.8 - 25 |
| Max welding current, 60% duty cycle, A | 630 | |

Usable wire diameters, mm

| | | |
|------------------|-----------|-----------|
| Mild steel | 0,6 - 1,6 | 0,6 - 2,4 |
| Stainless steels | 0,6 - 1,6 | 0,6 - 2,4 |
| Aluminium | 1,0 - 1,6 | 1,0 - 2,4 |
| Cored wires | 0,8 - 1,6 | 0,8 - 2,4 |

| Technical data | Yard Feed 200 / 2000 |
|--|----------------------|
| Mains supply, V AC, Hz | 42, 50/60 |
| Spool type, weight kg | 5 |
| Weight of the wire feeder, kg | 11,3 |
| Wire feed speed, m/min | 1.9 - 25 / 0.8 - 25 |
| Max welding current, 60% duty cycle, A | 365 |

Usable wire diameters, mm

| | |
|------------------|-----------|
| Mild steel | 0,6 - 1,2 |
| Stainless steels | 0,6 - 1,2 |
| Aluminium | 1,0 - 1,2 |
| Cored wires | 0,8 - 1,4 |

Ordering information

Origo™ YardFeed 200

| | |
|---|---------------------|
| M13y water cooling, with V/A instrument | 0459 906 892 |
|---|---------------------|

Origo™ YardFeed 2000

| | |
|--------------------|---------------------|
| MA23 self cooling | 0459 906 887 |
| MA23 water cooling | 0459 906 897 |

Aristo® YardFeed 2000

| | |
|------------------|---------------------|
| U6 water cooling | 0459 906 896 |
|------------------|---------------------|

Connection cables, accessories and configurations, on request



Taking mobility to a new level

The MobileFeed is an „Off the Arc“ wire feed unit. It draws its power directly from the welding circuit. This means that you do not require a heavy intermediate cable or a delicate control cable to the welding power source. The welding cable is sufficient. When using self-protecting filler wires you can even do without the gas bottle.

Used with an Warrior™ 400i CC/CV or Origo™ Mig 4004i, A44 the MobileFeed becomes a light and extremely robust installation unit for MIG/MAG welding in the short and spray arc fields. Or alternatively use an MMA rectifier with the MobileFeed. The MobileFeed has a fully encapsulated and extremely robust housing.

With 4-roll wire feed and electronically regulated motor for even wire feeding.

MobileFeed 300 AVS with 18 kg and 300 mm wire spool.



| Technical data | MobileFeed 300 |
|--|----------------|
| Mains supply, V DC (arc voltage – open circuit voltage) | 16,5 - 100 |
| Spool type, weight kg | 18 |
| Weight of the wire feeder, kg | 14,5 |
| Wire feed speed, m/min | 1,3 - 20,3 |
| Usable wire diameters, mm | |
| Mild steel | 0,8 - 1,6 |
| Stainless steels | 0,8 - 1,6 |
| Aluminium | 1,0 - 1,6 |
| Cored wires | 0,9 - 2,0 |

Ordering information

MobileFeed 300 AVS OKC CE

0558 005 728

Delivery includes

Gas solenoid valve and wear parts for 1,0 mm and 1,2 mm steel wire.

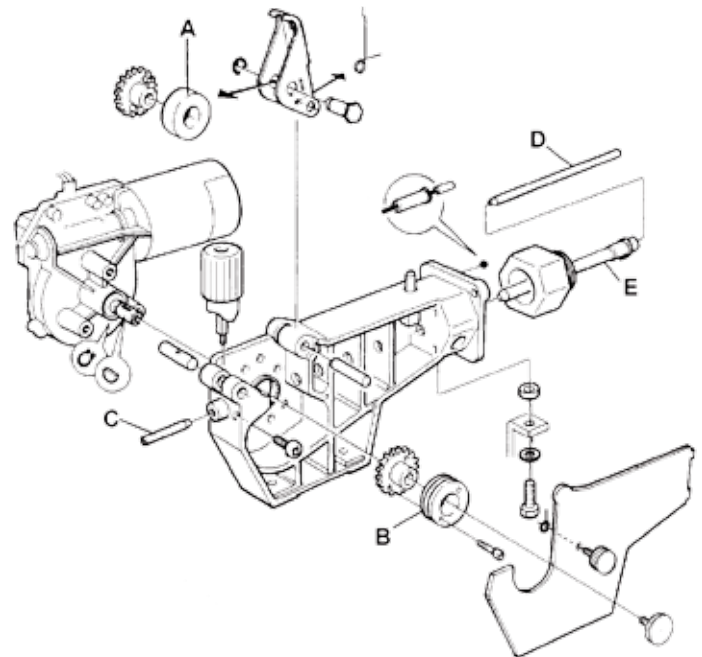
See brochure XA00135120 for technical details

Wear and spare parts for wire feeders

Origo™ Mig C340 PRO - Origo™ Feed 302

| | | | |
|---|-----------------|---------------------|---|
| A | Pressure roller | 0369 728 001 | Fe, Ss, C, Al |
| | | 0466 262 001 | C, 1,0/1,2/1,4/1,6 mm |
| B | Feed roller | 0369 557 001 | Fe, Ss, C, 0,6/0,8 mm |
| | | 0369 557 002 | Fe, Ss, C, 0,8/1,0 mm |
| | | 0369 557 003 | Fe, Ss, C, 1,0/1,2 mm |
| | knurled | 0369 557 004 | C, 1,0/1,2/1,4/1,6 mm |
| | | 0369 557 006 | Al, 1,0/1,2 mm |
| C | Inlet nozzle | 0466 074 001 | |
| D | Insert tube | 0455 894 001 | Plastic, for Al to be used with 0455 885 001 |
| | | 0455 889 001 | for Fe, Ss, C to be used with 0455 886 001 |
| E | Outlet nozzle | 0455 885 001 | for Al, to be used with 0455 894 001 |
| | | 0455 886 001 | for Fe, Ss, C to be used with 0455 889 001 |

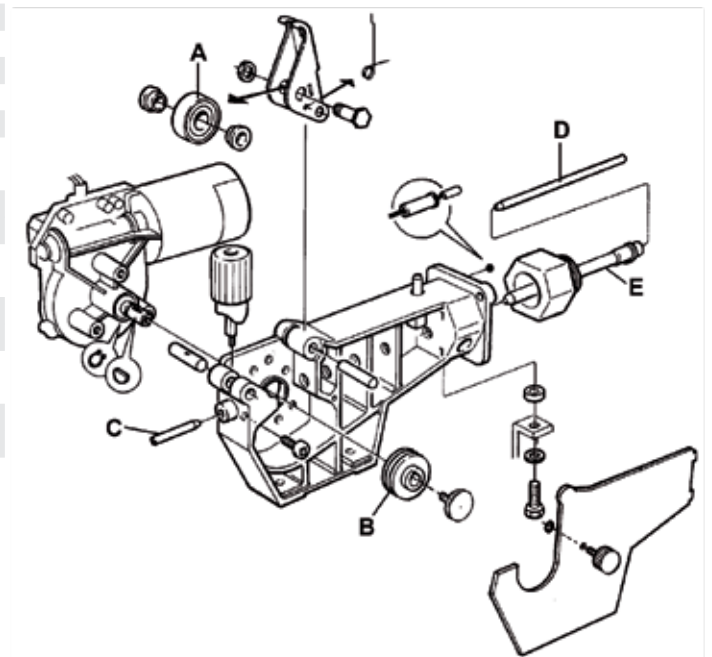
Fe = Steel - Ss = Stainless steel - C = Cored wires - Al = Aluminium



Origo™ Mig/Mag C170, C171, C200, C201, C250 3ph, Feed L302

| | | | |
|---|-----------------|---------------------|---|
| A | Pressure roller | 0455 907 001 | Fe, Ss, C, Al |
| B | Feed roller | 0367 556 001 | Fe, Ss, C, 0,6/0,8 mm |
| | | 0367 556 002 | Fe, Ss, C, 0,8/1,0 mm |
| | | 0367 556 003 | Fe, Ss, C 1,0/1,2 mm |
| | | 0367 556 004 | Al, 1,0/1,2 mm |
| C | Inlet nozzle | 0466 074 001 | Fe, Ss, C, Al |
| D | Insert tube | 0455 894 001 | Plastic, for Al to be used with 0455 885 001 |
| | | 0455 889 001 | for Fe, Ss, C to be used with 0455 886 001 |
| E | Outlet nozzle | 0455 885 001 | for Al, to be used with 0455 894 001 |
| | | 0455 886 001 | for Fe, Ss, C to be used with 0455 889 001 |

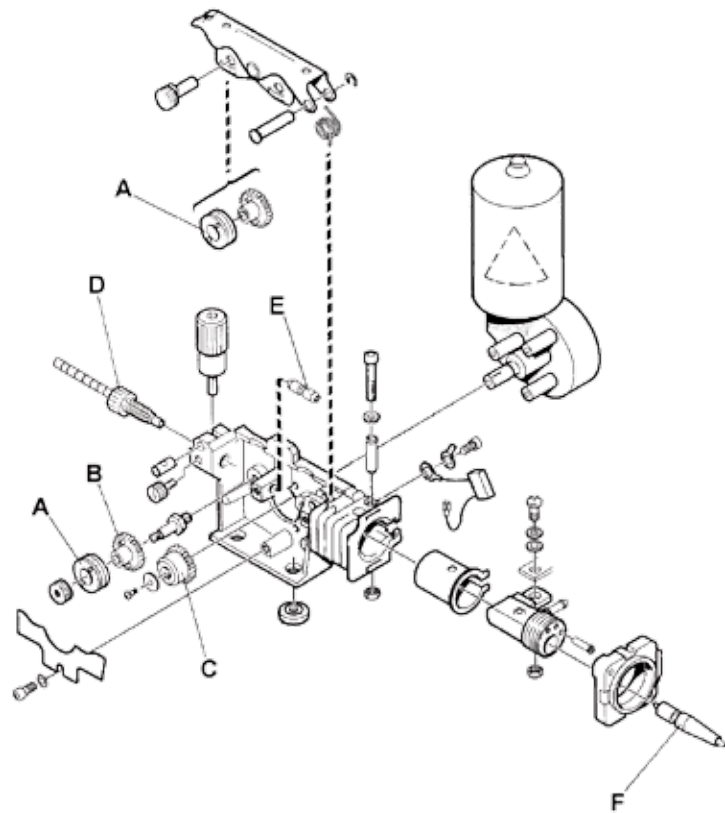
Fe = Steel - Ss = Stainless steel - C = Cored wires - Al = Aluminium



Origo™ Mig C280 PRO 4WD - C340 PRO 4WD - C420 PRO - C3000i Feed 304, 3004 - Yard Feed 200, 2000

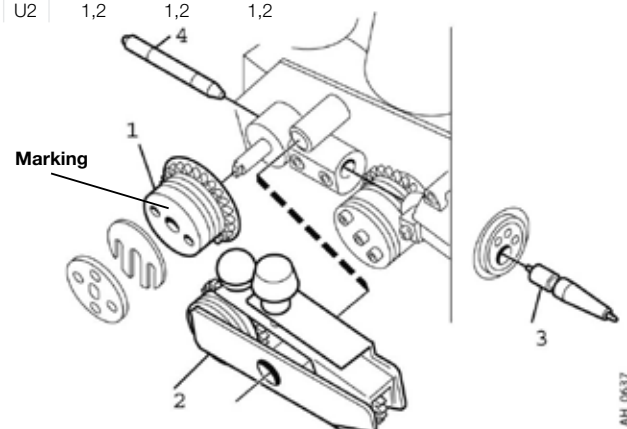
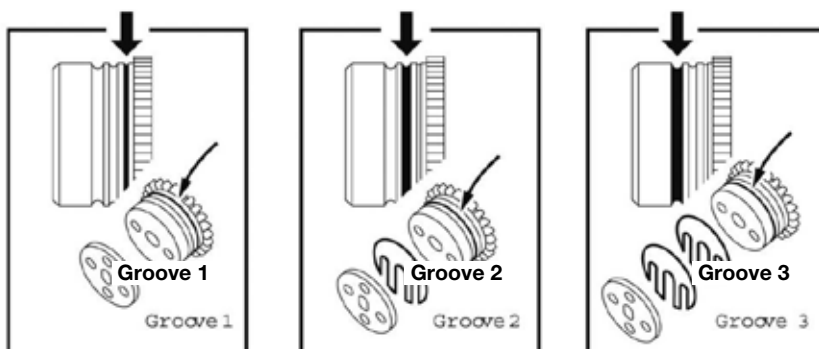
| | | | |
|---|----------------------|---------------------|-----------------------|
| A | Pressure/feed roller | 0459 052 002 | Fe, Ss, C, 0,8/1,0 mm |
| | | 0459 052 003 | Fe, Ss, C, 1,0/1,2 mm |
| | knurled | 0458 825 001 | C, 0,9/1,2 mm |
| | knurled | 0458 825 002 | C, 1,2/1,4 mm |
| | | 0458 824 001 | Al, 0,8/1,0 mm |
| | | 0458 824 002 | Al, 1,0/1,2 mm |
| | | 0458 824 003 | Al, 1,2/1,6 mm |
| B | Gear adapter | 0459 441 880 | |
| C | Drive gear | 0459 440 001 | |
| D | Inlet nozzle | 0455 049 001 | Fe, Ss, C, Al |
| E | Intermediate nozzle | 0455 072 002 | Fe, Ss, C |
| | | 0456 615 001 | Al |
| F | Outlet nozzle | 0469 837 880 | Ø 2,0 mm Stahl |
| | | 0469 837 881 | Al |

Fe = Steel - Ss = Stainless steel - C = Cored wires - Al = Aluminium



Feed 484, 4804

| Wire Ø mm | Wire type | 1. Feed roller | 2. Bogie | 3. Outlet nozzle | 4. Insert tube | Groove type | Marking | 1 | 2 | 3 | |
|-----------|-----------|---------------------|---------------------|---------------------|---------------------|-------------|---------|----------|---------|----------|---|
| 0,6-1,2 | Fe, Ss, C | 0366 966 880 | 0366 902 880 | 0469 837 880 | 0156 603 001 | V | 1 | 0,6-0,8 | 0,9-1,0 | 1,2 | Fe = Steel Ss = Stainless steel C = Cored wires Al = Aluminium G = Knurled groove |
| 0,9-1,6 | Fe, Ss, C | 0366 966 900 | 0366 902 900 | 0469 837 880 | 0156 603 001 | V | 6 | 0,9-1,0* | 1,2* | 1,4-1,6* | |
| 1,2 | Fe, Ss, C | 0366 966 889 | 0366 902 894 | 0469 837 880 | 0156 603 001 | V | 7 | 1,2 | 1,2 | 1,2 | |
| 1,4-2,4 | Fe, Ss, C | 0366 966 881 | 0366 902 881 | 0469 837 880 | 0156 603 001 | V | 2 | 1,4-1,6 | 2,0 | 2,4 | |
| 1,2-2,0 | C | 0366 966 882 | 0366 902 882 | 0469 837 880 | 0332 322 001 | V-G | 3 | 1,2 | 1,4-1,6 | 2,0 | |
| 2,4 | C | 0366 966 883 | 0366 902 883 | 0469 837 882 | 0332 322 002 | V-G | 4 | 2,4 | - | - | |
| 1,0-1,6 | Al | 0366 966 899 | 0366 902 899 | 0469 837 881 | 0156 603 001 | U | U4 | 1,0 | 1,2 | 1,6 | |
| 1,2 | Al | 0366 966 885 | 0366 902 886 | 0469 837 881 | 0156 603 001 | U | U2 | 1,2 | 1,2 | 1,2 | |



Origo™ Feed Airmatic and PKB™



- Wire feed device for compressed air-operated Push-Pull torches PKB™
- Excellent wire feeding, especially when used with soft wires
- Hose package lengths up to 16 m
- Large radius of action – intermediate cables up to 35 m
- Can be used with step-controlled welding power sources Origo™ Mig 320/410/510
- Can be used with the steplessly-controlled welding power source Origo™ Mig 402c/502c/652c
- In connection with Origo™ Mig 402c/502c/652c remote control of the welding voltage and digital display
- Regulation of the wire feed speed by the torch

| Origo™ Feed Airmatic | |
|----------------------------------|------------------|
| Technical data | Feed Airmatic |
| Mains supply, V AC, Hz | 42, 50/60 |
| Compressed air | 5 bar |
| Wire feed speed, m/min | max. 15 m/min |
| Dimensions LxWxH, mm | 690 x 275 x 420 |
| Weight of the wire feeder, kg | 15 |
| Wire spool, Ø mm/ kg | 300 / 18 |
| Wire feeder type | 2 rollers |
| Max welding current, | 400 A, 60% cycle |
| Insulation class | IP 23 |
| Usable wire diameters, mm | |
| Mild steel | 0,6 - 1,6 |
| Stainless steels | 0,6 - 1,6 |
| Aluminium | 1,0 - 1,6 |
| Cored wires | 1,0 - 1,6 |

Delivery of Origo™ Feed Airmatic includes

Plastic spool cover and wear parts for wires 0,6-1,0 mm

| Technical data | PKB™ 250 | PKB™ 400 |
|----------------|-------------|-------------|
|----------------|-------------|-------------|

Max load at 60% duty cycle

| | | |
|--------------------------------|-----------|-----------|
| Protection gas CO ₂ | 250 A | 400 A |
| Argon and mix | 200 A | 280 A |
| Wire diameters, mm | 0,6 - 1,2 | 0,6 - 1,6 |
| Max air consumption, l/min | 280 | 280 |

Ordering information

Origo™ Feed Airmatic **0459 116 680**

Welding torches

PKB™ 250 **0152 700 881**
 PKB™ 400 **0152 470 881**
 PKB™ 400, swan neck 45° **0152 470 882**

Multiple cable (connection Origo™ Feed Airmatic with PKB™)

5 m, for PKB™ 250 **0460 380 880**
 10 m, for PKB™ 250 **0460 380 881**
 16 m, for PKB™ 250 **0460 380 882**
 5 m, for PKB™ 400 **0460 380 883**
 10 m, for PKB™ 400 **0460 380 884**
 16 m, for PKB™ 400 **0460 380 885**

Connection cable :

(from Origo™ Feed Airmatic to power source)

1,7 m **0469 836 900**
 5 m **0469 836 901**
 10 m **0469 836 902**
 15 m **0469 836 903**
 19-23 poles adapter for Origo™ Mig 402c/502c/652c **0349 311 511**

Accessories

Pressure reducer with flux-meter **0000 973 096**
 Steel spool cover **0459 431 880**
 Wheels kit for wire feeder **0458 707 880**
 Cable holder **0459 234 880**
 Lifting eye **0458 706 880**
 Counterbalance device **0458 705 880**
 Adapter for 5kg spool **0455 410 001**
 Plastic spools adapter **0000 701 981**
 V/A instruments kit* **0455 173 882**
 Swan neck for PKB™ 250 **0367 581 881**
 Swan neck for PKB™ 400 **0367 582 880**
 Quick connector for MarathonPac **F102 440 880**

*In conjunction with Origo™ Mig 402c

Suggested configurations

Origo™ Mig 320 with Origo™ Feed Airmatic and PKB™ 250

Origo™ Mig 320 **0349 302 676**
 Origo™ Feed Airmatic **0459 116 680**
 PKB™ 250 **0152 700 881**
 Multiple cable, 5 m **0460 380 880**
 Connection cable - m. 1,7 **0469 836 900**

Origo™ Mig 410 with Origo™ Feed Airmatic and PKB™ 400:

Origo™ Mig 410 **0349 302 408**
 Origo™ Feed Airmatic **0459 116 680**
 PKB™ 400 **0152 470 881**
 Multiple cable, 5 m **0460 380 883**
 Connection cable - m. 1,7 **0469 836 900**

Origo™ Mig 402c with Origo™ Feed Airmatic and PKB™ 400:

Origo™ Mig 402c **0349 310 750**
 Origo™ Feed Airmatic **0459 116 680**
 PKB™ 400 **0152 470 881**
 Multiple cable, 10 mt **0460 380 884**
 Connection cable - m. 1,7 **0469 836 902**
 Adapter 19-23 poles **0349 311 511**

Machine accessories



Counter balance

Spring-supported counterbalance for wire feed units. Can be rotated by 360°. Suits most power sources. Note the instructions for use regarding compatibility.

Counterbalance device **0458 705 880**



Strain relief for welding torches

Fits all Origo™ and Aristo® Feed, and also YardFeed. Recommended accessories for wheel set.

Strain relief **0457 341 881**



Rotating piece

The wire feed unit can be rotated on the current source by 360° in combination with MarathonPac™

Rotating piece **0458 703 880**



Suspension device

Suspension device for wire feed units, suits all Origo™ and Aristo® Feed.

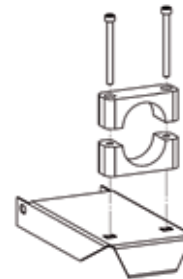
Suspension device **0458 706 880**



Coil cover, steel

Coil cover made of sheet steel, suits all Origo™ and Aristo® Feed.

Coil cover, steel **0459 431 880**

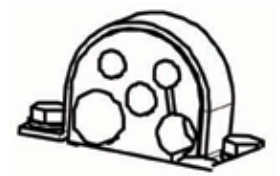


Strain relief

Strain relief for intermediate cables

For wire feeder **0459 234 880**

For power sources
Mig 402c/502c/652c/4002c/5002c/6502c **0349 311 700**



Wheel kit

Wheel set for wire feed units, suits all Origo™ and Aristo® Feed.

Wheel kit, front wheels turnable **0458 707 880**

Wheel kit, all wheels turnable **0458 707 881**



Upgrade set

Voltage free wire feed / gas test.
For Origo™ Feed M12 and M13

Upgrade set **459 465 880**



CAN - Bus-based remote control



MTA1 CAN

Multi-function remote control
 MIG/MAG: Voltage and wire feed
 Welding current and Arc Force
 TIG: Pulsed current and base current
 Fixing mechanism, magnetic feet,
 Connecting cables available in various lengths

MMA:

MTA1 CAN

0459 491 880

| | | Origo™ Arc. A22/A24 | Caddy® Tig 1500/2200i, TA34 | Caddy® Tig 2200i AC/DC | Origo™ Tig 3000i AC/DC | Origo™ Tig 3001i | Aristo™ Tig 4000i, TA4 | Aristo™ Tig 4000i, TA6 | Origo™ Tig 4300iw AC/DC | Aristo™ Mig C3000i, MA23/23A | Origo™ Mig C3000i, MA6 | Origo™ Mig. A24 | Aristo™ Feed. MA23/24 | Aristo™ Feed. U6** | Aristo™ Mig U4000i, U5000i |
|-------------------------------------|--------------|---------------------|-----------------------------|------------------------|------------------------|------------------|------------------------|------------------------|-------------------------|------------------------------|------------------------|-----------------|-----------------------|--------------------|----------------------------|
| AT1 CAN | 0459 491 883 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| AT1 CF CAN | 0459 491 884 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| MTA1 CAN | 0459 491 880 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| M1 10 Prog. CAN | 0459 491 882 | | | | | | ● | | ● | | ● | ● | ● | ● | ● |
| T1 Foot CAN 10 pol. | 0460 315 881 | | | ● | | | | | | | | | | | |
| T1 Foot CAN 12 pol. | 0460 315 880 | | ● | ● | ● | | ● | | | | | | | ● | |
| Connection cables 12/4 poles | | | | | | | | | | | | | | | |
| 0,25 m length | 0459 554 884 | ● | ● | ● | | ● | ● | ● | ● | | | | ● | ● | ● |
| 5 m length | 0459 554 880 | ● | ● | ● | | ● | ● | ● | ● | | | | ● | ● | ● |
| 5 m length HD* | 0459 554 980 | ● | ● | ● | | ● | ● | ● | ● | | | | ● | ● | ● |
| 10 m length | 0459 554 881 | ● | ● | ● | | ● | ● | ● | ● | | | | ● | ● | ● |
| 10 m length HD* | 0459 554 981 | ● | ● | ● | | ● | ● | ● | ● | | | | ● | ● | ● |
| 15 m length | 0459 554 882 | ● | ● | ● | | ● | ● | ● | ● | | | | ● | ● | ● |
| 25 m length | 0459 554 883 | ● | ● | ● | | ● | ● | ● | ● | | | | ● | ● | ● |
| Extension cable, 5 m length | 0459 554 886 | ● | ● | ● | | ● | ● | ● | ● | | | | ● | ● | ● |
| Connection cables 10/4 poles | | | | | | | | | | | | | | | |
| 0,25 m length | 0459 960 883 | ● | | | ● | | | | | ● | ● | ● | | | |
| 5 m length | 0459 960 880 | ● | | | ● | | | | | ● | ● | ● | | | |
| 5 m length HD* | 0459 960 980 | ● | | | ● | | | | | ● | ● | ● | | | |
| 10 m length | 0459 960 881 | ● | | | ● | | | | | ● | ● | ● | | | |
| 10 m length HD* | 0459 960 981 | ● | | | ● | | | | | ● | ● | ● | | | |
| 25 m length | 0459 960 882 | ● | | | ● | | | | | ● | ● | ● | | | |
| 25 m length HD* | 0459 960 982 | ● | | | ● | | | | | ● | ● | ● | | | |

* HD = Heavy Duty

**Aristo™ Feed U6, old series with 12/4 poles



AT1 CAN

Remote control to set the welding current MMA & TIG.
Fixing mechanism, magnetic feet,
Connecting cables available in various length

AT1 CAN

0459 491 883



AT1 CoarseFine CAN

Remote control to set the welding current with coarse and fine setting. MMA & TIG, Fixing mechanism, magnetic feet,
Connecting cables available in various lengths

AT1 CoarseFine CAN

0459 491 884



T1 Foot CAN

TIG foot-operated remote control
of welding current, start function.
the control range via the power source

Regulation
Limiting of

With 5 m connection cable, 12 poles Burndy

0460 315 880

With 5 m connection cable, 10 poles Amphenol

0460 315 881



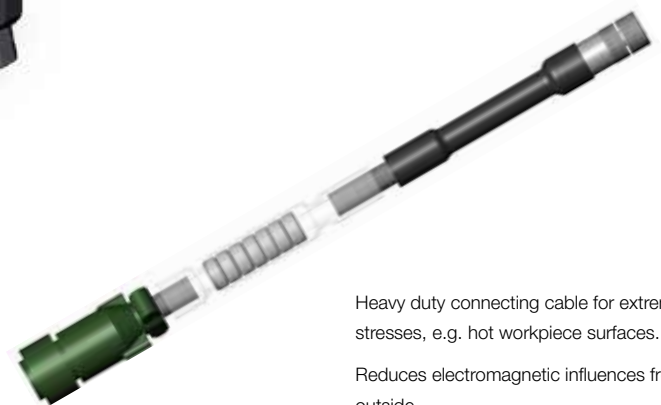
M1 10 Prog CAN

MIG/MAG synergic remote control for Aristo® U6 and U8₂,
storage slots and synergic modification.
mechanism, magnetic feet,
cables available in various lengths

Call up 10
Fixing
Connecting

M1 10 Prog CAN

0459 491 882



Heavy duty connecting cable for extreme
stresses, e.g. hot workpiece surfaces.

Reduces electromagnetic influences from
outside.

Analog remote controller



MMA1

Remote controller to set the welding current, MMA & TIG, suspension eye
Incl. 10 m connecting cable, 12-pin Burndy

MMA1

0349 501 024

| | | Caddy® Arc 151V/201i, A33 | Caddy® Arc 251i, Origo™ Mig A13 | Origo™ Arc 410c/650c/810c | Origo™ Feed Automatic, M12, M13* |
|-------------------------------------|--------------|---------------------------|---------------------------------|---------------------------|----------------------------------|
| AT1 | 0459 491 896 | ● | ● | ● | |
| AT1 CF | 0459 491 897 | ● | ● | ● | |
| M1 | 0459 491 895 | | | | ● |
| MMA1 | 0349 501 024 | ● | ● | ● | |
| Connection cables 12/8 poles | | | | | |
| 5 m length | 0459 552 880 | ● | ● | ● | |
| 10 m length | 0459 552 881 | ● | ● | ● | |
| 15 m length | 0459 552 882 | ● | ● | ● | |
| 25 m length | 0459 552 883 | ● | ● | ● | |
| Connection cables 23/8 poles | | | | | |
| 5 m length | 0459 553 880 | | | | ● |
| 10 m length | 0459 553 881 | | | | ● |

*For step-controlled power sources only the wire speed can be controlled

AT1

Remote controller to set the welding current, MMA & TIG mechanism, magnetic feet, Connecting cables available in various lengths

AT1 **0459 491 896**



AT1 CoarseFine

Remote control to set the welding current with coarse and fine setting. MMA & TIG, Fixing mechanism, magnetic feet, Connecting cables available in various lengths

AT1 CoarseFine **0459 491 897**



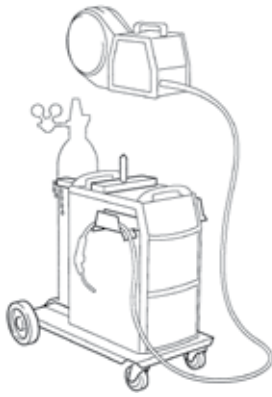
M1

MIG/MAG remote control for voltage and wire feed speed. Fixing mechanism, magnetic feet, Connecting cables available in various lengths

M1 **0459 491 895**



Trolleys



Trolley 1

Mig

Aristo® Mig 5000i
 Aristo® Mig U4000i/U5000i
 Not suitable for counterbalance device.
 Including arbor.

Trolley 1

0458 530 880



Trolley 2

Mig

Aristo® Mig 5000i
 Aristo® Mig U4000i/U5000i
 Trolley for counterbalance device or double box operation.
 For two large gas bottles, including two arbors.

Trolley 2

0458 603 880



Trolley 3 Tig

Aristo® Tig 4000i
 Origo™ Tig 4300iw AC/DC

Trolley 3 TIG

0458 530 881



Trolley 4

Small gas

bottles

This trolley increases the flexibility of the Caddy® Arc/Tig.
 For small 5 - 10 l gas bottles
 With adjustable handle. Ideal for transport in workshops and service vehicles.

Trolley 4, small

0459 366 885



Trolley 5

2-wheel

Caddy® Arc 151i/201i
 Caddy® Tig 1500i/2200i
 Caddy® Tig 2200i AC/DC
 Trolley for large gas bottles 20 - 50 litres.
 Installation of the device with control panel in the direction of travel.

Trolley 5

0460 330 880



Trolley 6

2-wheel

Origo™ Tig 3000i AC/DC
 Origo™ Mig C3000i
 Aristo® Mig C3000i
 Aristo® MechTig 3000i
 Universal trolley for MIG and TIG machines, for large gas bottles.
 Holder for cooling unit CoolMidi 1800.

Trolley 6

0459 366 890

Combinations:

| | Caddy® MigC160i/C200i | Aristo® MechTig 4000iw | Aristo® MechTig 3000i | Aristo® Mig 5000i | Aristo® Mig U4000i/U5000i | Origo™ Tig 4000i | Origo™ Tig 4300iw AC/DC | Aristo® Mig C3000i | Origo™ Mig C3000i | Origo™ Tig 3000i AC/DC | Caddy® Arc 151i/201i/251i | Caddy® Tig 1500i/2200i | Origo™ Tig 2200i AC/DC | Origo™ Tig 3000i | Origo™ Arc 4000i | Origo/Aristo Mig 3000i | Origo/Aristo Mig 4000i | Aristo® Mig 4000i/5000i | Aristo® Mig 4000i Pulse |
|------------------|-----------------------|------------------------|-----------------------|-------------------|---------------------------|------------------|-------------------------|--------------------|-------------------|------------------------|---------------------------|------------------------|------------------------|------------------|------------------|------------------------|------------------------|-------------------------|-------------------------|
| Trolley 1 | 0458 530 880 | ● | | ● | | | | | | | | | | | | | | | |
| Trolley 2 | 0458 603 880 | | | ● | | | | | | | | | | | | | | | |
| Trolley 3 | 0458 530 881 | | | | ● | | | | | | | | | | | | | | |
| Trolley 4 | 0459 366 885 | | | | | | | | | ● | | | | | | | | | |
| Trolley 5 | 0460 330 880 | | | | | | | | | | ● | | | | | | | | |
| Trolley 6 | 0459 366 890 | | ● | | | | | ● | ● | | | | | | | | | | |
| Trolley 7 | 0460 060 880 | | ● | | | | | ● | ● | | | | | | | | | | |
| Trolley 8 | 0460 564 880 | | | | | | | | | | | | ● | | | ● | | | |
| Trolley 9 | 0460 565 880 | | | | | | | | | | | | ● | | | ● | | | |
| Trolley 10 | 0459 366 887 | ● | | | | | | | | | | | | | | | | | |
| Trolley 11 | 0462 151 880 | | | | | | | | | | | | | | | | | | ● |
| Protective frame | 0460 459 880 | | | | | | | | | | | | ● | | ● | | | | |



Trolley 7

4-wheel

Origo™ Tig 3000i AC/DC
 Origo™ Mig C3000i
 Aristo® Mig C3000i
 Aristo® MechTig 3000i
 Universal trolley for MIG and TIG machines.
 Holder for Cooling unit CoolMidi 1800.



Trolley 8

2-wheel

Origo™ Arc 4001i
 Mig 3001i/Mig 4001i
 Origo™ Tig 3001i
 Origo Mig 4004i/5004i *
 Aristo Mig 4004i Pulse *
 Trolley for MMA, TIG and MIG machines without cooling unit. For central gas supply, no gas bottle holder.
 (Large illustration shows installation console for YardFeed and MobileFeed)

* Separate fixing brackets to be ordered

Trolley 7

0460 060 880

Trolley 8

Shelf for YardFeed and MobileFeed

0460 564 880

0460 815 880



Trolley 9

4-wheel

Origo™ Arc 4001i
 Mig 3001i/Mig 4001i
 Origo™ Tig 3001i
 Origo Mig 4004i/5004i *
 Aristo Mig 4004i Pulse *
 Trolley for MIG and TIG machines, with or without cooling unit for large gas bottles. Can also be used with accessories for counterbalance device.

* For counterbalance device
 Separate fixing brackets to be ordered



Trolley 10

2-wheel

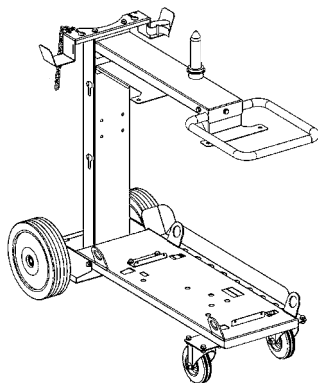
Caddy Mig™ C160i/C200i

Trolley 9

0460 565 880

Trolley 10

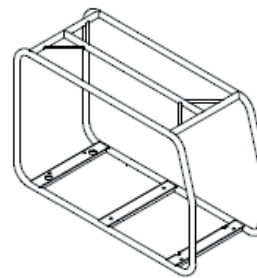
0459 366 887



Trolley 11

4-wheel

Origo Mig 4004i/5004i
 Aristo Mig 4004i Pulse



Protective frame

Origo™ Tig 3001i
 Origo™ Arc 4001i
 Mig 3001i/Mig 4001i
 Protective frame for MMA, TIG and MIG machines without cooling unit. Lifting and carrying device.

Trolley 11

0462 151 880

Protective frame

0460 459 880

Welding and cutting technology

Aristo® robot package

New projects

Developments in the field of welding robots progress very rapidly with new procedures and new materials being introduced all the time. They all require new functions and new software to be able to be utilized fully and to show their performance advantages. The Aristo® components are fitted by using quick-connectors. During the installation or replacement of components in welding machines recalibration is not required. The ESAB **TrueArcVoltage™** technology measures the actual welding voltage at the arc and guarantees its reproducibility. Wire feed hoses of various lengths allow efficient transport of the wire from the MarathonPac™ container to the wire feed device. This greatly increases the flexibility of the unit.



Retrofit

There's nothing retro about our robot retrofit welding kit – it's focused firmly on future productivity. It also optimizes previous installed robot capacity. It will extend robot life and boost welding performance at the same time! Upgrade your robots with new welding technology and increase your productivity.



Welding technology

Aristo® Mig 5000i The Aristo® Mig 5000i(w) is the ideal partner in the production or prefabrication of high alloyed materials that demand exceptional welding performance. Typical application areas include robotic welding, advanced mild and stainless steel fabrication, advanced aluminum fabrication, shipbuilding and yellow goods.

Aristo® U8₂ Plus & W8₂ Anybus Light, easy to use and very robust, the Aristo® U8₂ offers the ultimate in man-machine communication for advanced applications. It is the standard operational pendant for Aristo® robot packages and together with the W8₂ Anybus it connects to various robot controllers with a DeviceNet, Profibus, CanOpen.... interface.

I/O box This interface, which fits onto the Aristo® Mig 5000i(w) power source, connects ESAB equipment with all available robot controllers with I/O boards (straight polarity). This retrofit I/O comes as standard with a module enabling recall of 255 weld data sets stored in the Aristo® U82 pendant.

Aristo® W8₂ – Integrated The Aristo® W8₂ is an interface unit for direct communication with ABB's IRC5 controller. Welding data can be changed during welding from the ABB flexpendant. It gives direct access to the wire feed speed and arc voltage and other relevant signals as there are anti-collision signal, welding process active, arc confirmation, multilevel event information wire feed, reversing of wire feed direction, protective gas monitoring, cleaning gas monitoring and 2 level safety stop.

RoboFeed Aristo® RoboFeed 3004w ELP 12p is a fully enclosed wire feeding unit, comprising the drive control system and operational functions, including gas purge and wire inching, forward and reverse. This wire feeder has been specially developed to meet the stringent requirements of ESAB's SuperPulse™.

SuperPulse™ Combines the advantages of the various types of arc. The pulsed / short arc combination inputs the least amount of heat. A spray arc combined with a pulse provides high welding speed and weld penetration with minimum distortion, you can use two pulsed arcs of different frequencies, for example, when welding aluminium with a TIG look.

Aristo[®] Mig for retrofitting existing robot installations

Extend robot life expectancy!

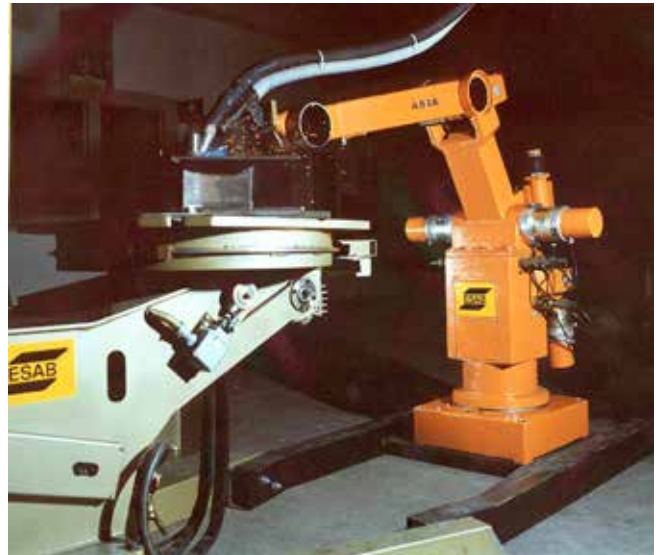
Almost 40 years ago, in 1974, ESAB and ASEA (today's ABB) parented the world's first electric welding robot.

Since then, radical developments in robotic welding technology have transformed the industry – many pioneered by or in collaboration with ESAB. Dual stations and robot travel tracks (1976), hanging robots and travelling gantries (1978), free-programmable positioners (1981), fully flexible manufacturing systems for arc welding (1984) – we could go on!

As the pace of change accelerates, demands on speed, quality and cost efficiency increase. To stay competitive in heavy engineering, the

latest welding technology is essential. But scrap all those reliable, durable industrial robots – that still perform so well? The initial investment was substantial: total replacement can be a daunting option. No worries – we have the answer.

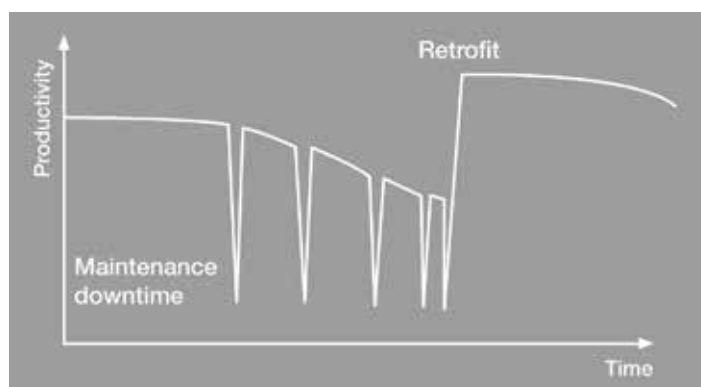
ESAB's cost-efficient robot retrofit kit can inject new life in your production line. Extend its life by retrofitting the latest welding technology for dazzling performance. Not just 'good as new' – forget facelifts – our retrofit technology will boost performance beyond your robots' original specifications. Too good to be true? Trust us – our pedigree goes way back. After all, we introduced the concept in the first place!



Inject new life in proven technology

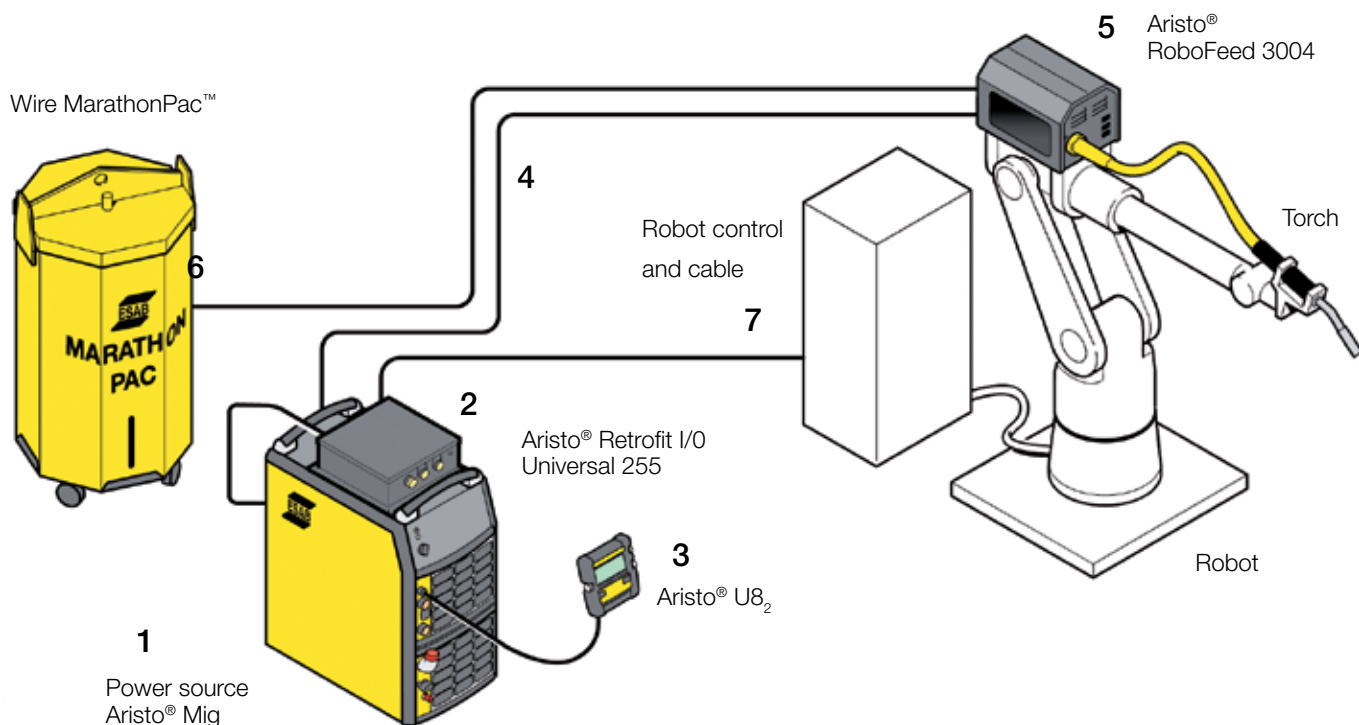
The adjacent diagram indicates how the failure of wear parts, extended downtime for increased maintenance and an overall decline in welding performance can have a cumulative negative impact on productivity.

The dramatic boost offered by an ESAB retrofit kit can do more than just extend useful robot life. It can actually enhance originally specified performance.



Retrofit I/O Universal 255

Aristo® robot package with RoboFeed 3004w ELP 12p



Ordering information

1 Power sources

| | |
|--|--------------|
| Aristo® Mig 5000i , 400V | 0459 230 880 |
| Aristo® Mig 5000iw, 400V | 0459 230 881 |
| Aristo® Mig 5000iw, 400V with water flow guard | 0459 230 896 |

Accessories for power sources

| | |
|---|--------------|
| Water flow guard for Aristo® Mig 5000iw | 0456 855 880 |
| Trolley for Aristo® Mig 5000i/5000iw | 0461 043 880 |
| Anti return valve | 0461 203 880 |

2 / 3 Aristo® controller*

| | |
|--------------------------------------|---------------|
| Aristo® Retrofit I/O Universal 255 | 0460 090 884* |
| Aristo® U8 ₂ , Plus I/O * | 0460 820 883 |

* The units are delivered with a short connection cable & holder

Accessories for Aristo® U8₂

| | |
|-----------------------|--------------|
| Extension cable 7.5 m | 0460 877 891 |
|-----------------------|--------------|

4 Cable package, power source – wire feeder

| | Air Cooled | Water Cooled |
|---------------|--------------|--------------|
| Length 5,0 m | 0740 538 890 | 0740 538 895 |
| Length 10,0 m | 0740 538 881 | 0740 538 886 |
| Length 15,0 m | 0740 538 882 | 0740 538 887 |
| Length 25,0 m | 0740 538 888 | 0740 538 888 |
| Length 35,0 m | | 0740 538 889 |

Aristo® Retrofit I/O Universal is a direct fit (as long as the robot cabinet is equipped with the appropriate I/O board) for:

ABB S4, S4C, S4C+, Motoman ERC, MRC, XRC, Kuka KRC1, KRC2, Reis RS4, RS5, Fanuc R-J2, R-J3 (always check I/O polarity)

If you don't find your robot controller in this list, please contact your local ESAB representative

Ordering information

5 Wire feeder*

| | |
|--------------------------------------|---------------|
| Aristo® RoboFeed 3004w ELP 12p | 0461 000 891* |
| Assembly brackets universal | 0461 173 880 |
| * incl. quick connector Marathon Pac | |

6 Wire Conduits for MarathonPac™

| | |
|--------------------|--------------|
| Wire conduit 1,8 m | F102 437 881 |
| Wire conduit 3,0 m | F102 437 882 |
| Wire conduit 3,8 m | F102 437 889 |
| Wire conduit 4,5 m | F102 437 883 |
| Wire conduit 6,0 m | F102 437 887 |
| Wire conduit 6,5 m | F102 437 890 |
| Wire conduit 8,0 m | F102 437 884 |
| Wire conduit,0 m | F102 437 885 |

7 Connection cable, Aristo® Retrofit to robot cabinet:

| | |
|-------|----------------|
| 7,5 m | 0461 321 880** |
|-------|----------------|

** Contact the robot integrator for internal robot connections

* For other feeder alternatives, see the Aristo® robot package sales brochure

For robot torch information please contact your local ESAB representative

Yaskawa Motoman MA 1400 & 1900 - W8₂ Anybus

Aristo® robot package with Robofeed 3004 HW

Ordering information

Air cooled package

Power sources*

| | |
|--|--------------|
| Aristo® Mig 5000i, 400 V | 0459 230 880 |
| Anybus (Fieldbus) cable 5x screened – 10 m | 0461 182 002 |
| Option: Trolley Aristo Mig 5000i | 0461 043 880 |

Interface

| | |
|--|--------------|
| Aristo U8 ₂ Plus | 0460 820 881 |
| Extension cable 7.5 m for U8 ₂ | 0460 877 891 |
| Aristo W8 ₂ – Anybus (Devicenet**) | 0460 891 881 |
| Interconnection cable Mig 5000i – W8 ₂ Anybus | 0456 527 885 |

Wire feeders & connection cables

| | |
|---|--------------|
| Aristo® RoboFeed 3004 HW | 0465 040 880 |
| Aristo® FeedControl HW | 0461 080 881 |
| Cable kit assembly Robofeed HW to FeedControl HW (5m) | 0465 412 880 |
| Mounting bracket for Robofeed 3004 HW on MA 1400 | 0465 391 880 |
| Mounting bracket for Robofeed 3004 HW on MA 1900 | 0465 394 880 |
| Cable package, power source – FeedControl 5.0 m* | 0740 538 890 |

Welding torch*

| | |
|--|--------------|
| Infiniturn cable, (endless turning) gas cooled (MA 1400) | 0700 300 510 |
| Infiniturn cable, (endless turning) gas cooled (MA 1900) | 0700 300 512 |
| Torch neck Aristo® RT 62G 22 gas cooled | 0700 300 453 |
| Torch mount RT FLC G (with anti collision) | 0700 300 430 |
| Adapter flange for Motoman MA 1400 & MA 1900 | 0700 300 429 |



Ordering information

Water cooled package

Power sources*

| | |
|--|--------------|
| Aristo® Mig 5000iw, 400 V, Incl flow guard | 0459 230 896 |
| Anybus (Fieldbus) cable 5x screened – 10 m | 0461 182 002 |
| Option: Trolley Aristo Mig 5000iw | 0461 043 880 |

Interface

| | |
|--|--------------|
| Aristo U8 ₂ Plus | 0460 820 881 |
| Extension cable 7.5 m for U8 ₂ | 0460 877 891 |
| Aristo W8 ₂ – Anybus (Devicenet**) | 0460 891 881 |
| Interconnection cable Mig 5000i – W8 ₂ Anybus | 0456 527 885 |

Wire feeders & connection cables

| | |
|---|--------------|
| Aristo® RoboFeed 3004 HW | 0465 040 880 |
| Aristo® FeedControl HW | 0461 080 881 |
| Cable kit assembly Robofeed HW to FeedControl HW (5m) | 0465 412 880 |
| Mounting bracket for Robofeed 3004 HW on MA 1400 | 0465 391 880 |
| Mounting bracket for Robofeed 3004 HW on MA 1900 | 0465 394 880 |
| Cable package, power source – FeedControl 5.0 m* | 0740 538 895 |
| Anti return valve | 0461 203 880 |

Welding torch*

| | |
|---|--------------|
| Infiniturn cable, (endless turning) water cooled (MA1400) | 0700 300 513 |
| Infiniturn cable, (endless turning) water cooled (MA1900) | 0700 300 515 |
| Torch neck Aristo® RT 62W 22 water cooled | 0700 300 486 |
| Torch mount RT FLC W (with anti collision) | 0700 300 431 |
| Adapter flange for Motoman MA 1400 & MA1900 | 0700 300 429 |

*For other types of powersource, bus variants, cable lengths and torch variants please contact your local ESAB representative.



Aristo® Robot package

Fanuc Arc Mate 100 iC & 120 iC - W8₂ Anybus

Aristo® robot package with RoboFeed 3004 HW

Ordering information

Air cooled package

Power sources*

| | |
|--|--------------|
| Aristo® Mig 5000i, 400 V | 0459 230 880 |
| Anybus (Fieldbus) cable 5x screened – 10 m | 0461 182 002 |
| Option: Trolley Aristo Mig 5000i | 0461 043 880 |

Interface

| | |
|--|--------------|
| Aristo U8 ₂ Plus | 0460 820 881 |
| Extension cable 7.5 m for U8 ₂ | 0460 877 891 |
| Aristo W8 ₂ – Anybus (Devicenet**) | 0460 891 881 |
| Interconnection cable Mig 5000i – W8 ₂ Anybus | 0456 527 885 |

Wire feeders & connection cables

| | |
|---|--------------|
| Aristo® RoboFeed 3004 HW | 0465 040 880 |
| Aristo® FeedControl HW | 0461 080 881 |
| Cable kit assembly RoboFeed HW to FeedControl HW (5m) | 0465 412 880 |
| Mounting bracket for RoboFeed 3004 HW on 100 iC | 0465 398 880 |
| Mounting bracket for RoboFeed 3004 HW on 120 iC | 0465 404 880 |
| Cable package, power source – FeedControl 5.0 m* | 0740 538 890 |

Welding torch*

| | |
|---|--------------|
| Infiniturn cable, (endless turning) gas cooled (100 iC) | 0700 300 436 |
| Infiniturn cable, (endless turning) gas cooled (120 iC) | 0700 300 437 |
| Torch neck Aristo® RT 62G 22 gas cooled | 0700 300 453 |
| Torch mount RT FLC G (with anti collision) | 0700 300 430 |
| Adapter flange for Fanuc Arc Mate 100 iC & 120 iC | 0700 300 497 |



Ordering information

Water cooled package

Power sources*

| | |
|--|--------------|
| Aristo® Mig 5000iw, 400 V, Incl flow guard | 0459 230 896 |
| Anybus (Fieldbus) cable 5x screened – 10 m | 0461 182 002 |
| Option: Trolley Aristo Mig 5000iw | 0461 043 880 |

Interface

| | |
|--|--------------|
| Aristo U8 ₂ Plus | 0460 820 881 |
| Extension cable 7.5 m for U8 ₂ | 0460 877 891 |
| Aristo W8 ₂ – Anybus (Devicenet**) | 0460 891 881 |
| Interconnection cable Mig 5000i – W8 ₂ Anybus | 0456 527 885 |

Wire feeders & connection cables

| | |
|---|--------------|
| Aristo® RoboFeed 3004 HW | 0465 040 880 |
| Aristo® FeedControl HW | 0461 080 881 |
| Cable kit assembly RoboFeed HW to FeedControl HW (5m) | 0465 412 880 |
| Mounting bracket for RoboFeed 3004 HW on 100 iC | 0465 398 880 |
| Mounting bracket for RoboFeed 3004 HW on 120 iC | 0465 404 880 |
| Cable package, power source – FeedControl 5.0 m* | 0740 538 895 |
| Anti return valve | 0461 203 880 |

Welding torch*

| | |
|---|--------------|
| Infiniturn cable, (endless turning) water cooled (100 iC) | 0700 300 464 |
| Infiniturn cable, (endless turning) water cooled (120 iC) | 0700 300 465 |
| Torch neck Aristo® RT 62W 22 water cooled | 0700 300 486 |
| Torch mount RT FLC W (with anti collision) | 0700 300 431 |
| Adapter flange for Fanuc Arc Mate 100 iC & 120 iC | 0700 300 497 |

*For other types of powersource, bus variants, cable lengths and torch variants please contact your local ESAB representative.



ABB - W8₂ Anybus



Ordering information

Air cooled package - ABB IRB 1520ID, IRB 1600ID, IRB 2600ID

Power sources*

| | |
|--|--------------|
| Aristo® Mig 5000i, 400 V | 0459 230 880 |
| Anybus (Fieldbus) cable 5x screened – 10 m | 0461 182 002 |
| Option: Trolley Aristo Mig 5000i | 0461 043 880 |

Interface

| | |
|--|--------------|
| Aristo U8 ₂ Plus | 0460 820 881 |
| Extension cable 7.5 m for U8 ₂ | 0460 877 891 |
| Aristo W8 ₂ – Anybus (Devicenet**) | 0460 891 881 |
| Interconnection cable Mig 5000i – W8 ₂ Anybus | 0456 527 885 |

Wire feeders & connection cables

| | |
|---|--------------|
| Aristo® RoboFeed 3004 HW | 0465 040 880 |
| Aristo® FeedControl HW | 0461 080 881 |
| Cable kit assembly RoboFeed HW to FeedControl HW (5m) | 0465 412 880 |
| Mounting bracket RoboFeed 3004 HW on ABB IRB 1520ID | 0465 381 880 |
| Mounting bracket RoboFeed 3004 HW on ABB IRB 1600ID | 0465 388 880 |
| Mounting bracket RoboFeed 3004 HW on ABB IRB 2600ID | 0465 401 880 |
| Cable package, power source – FeedControl 5.0 m* | 0740 538 890 |
| Bobbin holder on separate stand with 4,5 m Mpac hose | 0461 184 880 |

Welding torch*

| | |
|---|--------------|
| InfiniTurn cable, gas cooled (IRB 1520 ID & 1600ID) | 0700 300 437 |
| InfiniTurn cable, gas cooled (IRB 2600ID) | 0700 300 511 |
| Torch neck Aristo® RT 62G 22 gas cooled | 0700 300 453 |
| Torch mount RT FLC G (rigid version) | 0700 300 432 |
| Adapter flange for ABB IRB 1520ID & 1600ID | 0700 300 509 |
| Adapter flange for ABB IRB 2600ID | 0700 300 521 |

Air cooled package - ABB IRB 1600 & 2600

Power sources*

| | |
|--|--------------|
| Aristo® Mig 5000i, 400 V | 0459 230 880 |
| Anybus (Fieldbus) cable 5x screened – 10 m | 0461 182 002 |
| Option: Trolley Aristo Mig 5000i | 0461 043 880 |

Interface

| | |
|--|--------------|
| Aristo U8 ₂ Plus | 0460 820 881 |
| Extension cable 7.5 m for U8 ₂ | 0460 877 891 |
| Aristo W8 ₂ – Anybus (Devicenet**) | 0460 891 881 |
| Interconnection cable Mig 5000i – W8 ₂ Anybus | 0456 527 885 |

Wire feeders & connection cables

| | |
|--|--------------|
| Aristo® RoboFeed 3004w 12p ELP | 0461 000 891 |
| RoboFeed 3004w 12p ELP assembly bracket IRB 1600 | 0461 190 880 |
| Cable holder for IRB 1600 (only with 0461 528 993) | 0461 188 880 |
| RoboFeed 3004w 12p ELP assembly bracket IRB 2600 | 0461 264 880 |
| Cable holder for IRB 2600 (only with 0461 528 993) | 0461 188 882 |
| Cable package, 10 m with 3 m Raiku hose protection | 0461 528 993 |
| Bobbin holder on separate stand with 4,5 m Mpac hose | 0461 184 880 |

Welding torch*

| | |
|--|--------------|
| Cable, Euro connector 1.5 m gas cooled | 0700 300 461 |
| Torch neck Aristo® RT 62G 22 gas cooled | 0700 300 453 |
| Torch mount for 22 neck | 0700 300 422 |
| FL-1 (rigid mount for electrical anti collision) | 0700 300 435 |

Air cooled package - ABB IRB 1520ID, IRB 1600ID, IRB 2600ID

Power sources*

| | |
|--|--------------|
| Aristo® Mig 5000iw, 400 V, Incl flow guard | 0459 230 896 |
| Anybus (Fieldbus) cable 5x screened – 10 m | 0461 182 002 |
| Option: Trolley Aristo Mig 5000iw | 0461 043 880 |

Interface

| | |
|--|--------------|
| Aristo U8 ₂ Plus | 0460 820 881 |
| Extension cable 7.5 m for U8 ₂ | 0460 877 891 |
| Aristo W8 ₂ – Anybus (Devicenet**) | 0460 891 881 |
| Interconnection cable Mig 5000i – W8 ₂ Anybus | 0456 527 885 |

Wire feeders & connection cables

| | |
|---|--------------|
| Aristo® RoboFeed 3004 HW | 0465 040 880 |
| Aristo® FeedControl HW | 0461 080 881 |
| Cable kit assembly RoboFeed HW to FeedControl HW (5m) | 0465 412 880 |
| Mounting bracket RoboFeed 3004 HW on ABB IRB 1520ID | 0465 381 880 |
| Mounting bracket RoboFeed 3004 HW on ABB IRB 1600ID | 0465 388 880 |
| Mounting bracket RoboFeed 3004 HW on ABB IRB 2600ID | 0465 401 880 |
| Cable package, power source – FeedControl 5.0 m* | 0740 538 895 |
| Anti return valve | 0461 203 880 |
| Bobbin holder on separate stand with 4,5 m Mpac hose | 0461 184 880 |

Welding torch*

| | |
|---|--------------|
| InfiniTurn cable, water cooled (IRB 1520 ID & 1600ID) | 0700 300 465 |
| InfiniTurn cable, water cooled (IRB 2600ID) | 0700 300 514 |
| Torch neck Aristo® RT 62W 22 water cooled | 0700 300 486 |
| Torch mount RT FLC W (rigid version) | 0700 300 433 |
| Adapter flange for ABB IRB 1520ID & 1600ID | 0700 300 509 |
| Adapter flange for ABB IRB 2600ID | 0700 300 521 |

Water cooled package - ABB IRB 1600 & 2600

Power sources*

| | |
|--|--------------|
| Aristo® Mig 5000iw, 400 V, Incl flow guard | 0459 230 896 |
| Anybus (Fieldbus) cable 5x screened – 10 m | 0461 182 002 |
| Option: Trolley Aristo Mig 5000iw | 0461 043 880 |

Interface

| | |
|--|--------------|
| Aristo U8 ₂ Plus | 0460 820 881 |
| Extension cable 7.5 m for U8 ₂ | 0460 877 891 |
| Aristo W8 ₂ – Anybus (Devicenet**) | 0460 891 881 |
| Interconnection cable Mig 5000i – W8 ₂ Anybus | 0456 527 885 |

Wire feeders & connection cables

| | |
|--|--------------|
| Aristo® RoboFeed 3004w 12p ELP | 0461 000 891 |
| RoboFeed 3004w 12p ELP assembly bracket IRB 1600 | 0461 190 880 |
| Cable holder for IRB 1600 (only with 0461 528 993) | 0461 188 880 |
| RoboFeed 3004w 12p ELP assembly bracket IRB 2600 | 0461 264 880 |
| Cable holder for IRB 2600 (only with 0461 528 993) | 0461 188 882 |
| Cable package, 10 m with 3 m Raiku hose protection | 0461 528 993 |
| Anti return valve | 0461 203 880 |
| Bobbin holder on separate stand with 4,5 m Mpac hose | 0461 184 880 |

Welding torch*

| | |
|--|--------------|
| Cable, Euro connector 1.5 m water cooled | 0700 300 494 |
| Torch neck Aristo® RT 62W 22 water cooled | 0700 300 486 |
| Torch mount for 22 neck | 0700 300 422 |
| FL-1 (rigid mount for electrical anti collision) | 0700 300 435 |

*For other types of powersource, bus variants, cable lengths and torch variants please contact your local ESAB representative.

Aristo[®] Robot package

Aristo[®] W8₂ Integrated

Operation of the robot cell and the welding equipment is done completely with the ABB FlexPendant controller. An exceptionally user-friendly controller with graphic Windows interface and touch screen.

All weld data are reachable from this pendant and can be stored or changed by the operator.

Synergic lines (all materials) are standard and can also be set up by the operator.

Short arc, spray, pulse (including SuperPulse) are available in all our robotic power sources.

Packages are available for IRB 1600, IRB 2600, IRB 1600ID, IRB 2600ID and IRB 2400L (to be phased out during 2012). These packages include all needed mounting brackets, cable packs, nuts and bolts.

Benefits:

- Decreased downtime (less maintenance)
- Decreased maintenance costs (less wearparts)
- Access to new welding technologies
- Production increase
- Enhanced welding quality



ABB - W8₂ Integrated



Ordering information

Air cooled package - ABB IRB 1520ID, IRB 1600ID, IRB 2600ID

Power sources*

| | |
|---|--------------|
| Aristo® Mig 5000i, 400 V & W8 ₂ Integrated | 0459 230 898 |
| Connection cable W82 Integrated to robot cabinet IRC5 | 0461 182 880 |
| Safety & interlock connection | 0462 051 880 |
| Option: Trolley Aristo Mig 5000i | 0461 043 880 |

Wire feeders & connection cables

| | |
|---|--------------|
| Aristo® RoboFeed 3004 HW | 0465 040 880 |
| Aristo® FeedControl HW | 0461 080 881 |
| Cable kit assembly RoboFeed HW to FeedControl HW (5m) | 0465 412 880 |
| Mounting bracket RoboFeed 3004 HW on ABB IRB 1520ID | 0465 381 880 |
| Mounting bracket RoboFeed 3004 HW on ABB IRB 1600ID | 0465 388 880 |
| Mounting bracket RoboFeed 3004 HW on ABB IRB 2600ID | 0465 401 880 |
| Cable package, power source – FeedControl 5.0 m* | 0740 538 890 |
| Bobbin holder on separate stand with 4,5 m Mpac hose | 0461 184 880 |

Welding torch*

| | |
|---|--------------|
| InfiniTurn cable, gas cooled (IRB 1520 ID & 1600ID) | 0700 300 437 |
| InfiniTurn cable, gas cooled (IRB 2600ID) | 0700 300 511 |
| Torch neck Aristo® RT 62G 22 gas cooled | 0700 300 453 |
| Torch mount RT FLC G (rigid version) | 0700 300 432 |
| Adapter flange for ABB IRB 1520ID & 1600ID | 0700 300 509 |
| Adapter flange for ABB IRB 2600ID | 0700 300 521 |

Air cooled package - ABB IRB 1600 & 2600

Power sources*

| | |
|---|--------------|
| Aristo® Mig 5000i, 400 V & W8 ₂ Integrated | 0459 230 898 |
| Connection cable W82 Integrated to robot cabinet IRC5 | 0461 182 880 |
| Safety & interlock connection | 0462 051 880 |
| Option: Trolley Aristo Mig 5000i | 0461 043 880 |

Wire feeders & connection cables

| | |
|--|--------------|
| Aristo® RoboFeed 3004w 12p ELP | 0461 000 891 |
| RoboFeed 3004w 12p ELP assembly bracket IRB 1600 | 0461 190 880 |
| Cable holder for IRB 1600 (only with 0461 528 993) | 0461 188 880 |
| RoboFeed 3004w 12p ELP assembly bracket IRB 2600 | 0461 264 880 |
| Cable holder for IRB 2600 (only with 0461 528 993) | 0461 188 882 |
| Cable package, 10 m with 3 m Raiku hose protection | 0461 528 993 |
| Bobbin holder on separate stand with 4,5 m Mpac hose | 0461 184 880 |

Welding torch*

| | |
|--|--------------|
| Cable, Euro connector 1.5 m gas cooled | 0700 300 461 |
| Torch neck Aristo® RT 62G 22 gas cooled | 0700 300 453 |
| Torch mount for 22 neck | 0700 300 422 |
| FL-1 (rigid mount for electrical anti collision) | 0700 300 435 |

Air cooled package - ABB IRB 1520ID, IRB 1600ID, IRB 2600ID

Power sources*

| | |
|--|--------------|
| Aristo® Mig 5000iw, 400 V, flow guard & W8 ₂ Integrated | 0459 230 899 |
| Connection cable W82 Integrated to robot cabinet IRC5 | 0461 182 880 |
| Safety & interlock connection | 0462 051 880 |
| Option: Trolley Aristo Mig 5000iw | 0461 043 880 |

Wire feeders & connection cables

| | |
|---|--------------|
| Aristo® RoboFeed 3004 HW | 0465 040 880 |
| Aristo® FeedControl HW | 0461 080 881 |
| Cable kit assembly RoboFeed HW to FeedControl HW (5m) | 0465 412 880 |
| Mounting bracket RoboFeed 3004 HW on ABB IRB 1520ID | 0465 381 880 |
| Mounting bracket RoboFeed 3004 HW on ABB IRB 1600ID | 0465 388 880 |
| Mounting bracket RoboFeed 3004 HW on ABB IRB 2600ID | 0465 401 880 |
| Cable package, power source – FeedControl 5.0 m* | 0740 538 895 |
| Anti return valve | 0461 203 880 |
| Bobbin holder on separate stand with 4,5 m Mpac hose | 0461 184 880 |

Welding torch*

| | |
|---|--------------|
| InfiniTurn cable, water cooled (IRB 1520 ID & 1600ID) | 0700 300 465 |
| InfiniTurn cable, water cooled (IRB 2600ID) | 0700 300 514 |
| Torch neck Aristo® RT 62W 22 water cooled | 0700 300 486 |
| Torch mount RT FLC W (rigid version) | 0700 300 433 |
| Adapter flange for ABB IRB 1520ID & 1600ID | 0700 300 509 |
| Adapter flange for ABB IRB 2600ID | 0700 300 521 |

Water cooled package - ABB IRB 1600 & 2600

Power sources*

| | |
|--|--------------|
| Aristo® Mig 5000iw, 400 V, flow guard & W8 ₂ Integrated | 0459 230 899 |
| Connection cable W82 Integrated to robot cabinet IRC5 | 0461 182 880 |
| Safety & interlock connection | 0462 051 880 |
| Option: Trolley Aristo Mig 5000iw | 0461 043 880 |

Wire feeders & connection cables

| | |
|--|--------------|
| Aristo® RoboFeed 3004w 12p ELP | 0461 000 891 |
| RoboFeed 3004w 12p ELP assembly bracket IRB 1600 | 0461 190 880 |
| Cable holder for IRB 1600 (only with 0461 528 993) | 0461 188 880 |
| RoboFeed 3004w 12p ELP assembly bracket IRB 2600 | 0461 264 880 |
| Cable holder for IRB 2600 (only with 0461 528 993) | 0461 188 882 |
| Cable package, 10 m with 3 m Raiku hose protection | 0461 528 993 |
| Anti return valve | 0461 203 880 |
| Bobbin holder on separate stand with 4,5 m Mpac hose | 0461 184 880 |

Welding torch*

| | |
|--|--------------|
| Cable, Euro connector 1.5 m water cooled | 0700 300 494 |
| Torch neck Aristo® RT 62W 22 water cooled | 0700 300 486 |
| Torch mount for 22 neck | 0700 300 422 |
| FL-1 (rigid mount for electrical anti collision) | 0700 300 435 |

*For other types of powersource, bus variants, cable lengths and torch variants please contact your local ESAB representative.

Welding and cutting technology

TIG manual welding

Tungsten inert gas welding is one of the gas-shielded arc welding processes. The arc burns between a tungsten electrode that does not melt and the work piece.

The electrodes, the arc and the weld pool are protected against the atmosphere by an inert gas. If a filler metal is required, it is fed in as cold wire, which melts into the weld pool.

It is possible to produce very clean and high-quality welds using the TIG process. There is no spattering, joining defects or undercutting and pores are easily avoided.

The process can be used either manually or partially or fully automated. TIG welding is mostly used on aluminium and high-alloy steels where a higher weld quality is often required.





QWave™

TIG AC welding has been redefined by the unique QWave™ technology: an extremely stable arc with little noise - your advantage: precise completion of the process, top quality, better working environment.



True AC Rating™

ESAB units with True AC Rating™ always show the actual welding current. That is not necessarily a matter of course.

Inductance in the welding circuit can lead to discrepancies between the set and the actual current strength. Conventional units only show the desired current strength without actually delivering that shown output value

On the other hand, True AC Rating™ ensures the power source really delivers the current output displayed. This is important for monitoring the amount of heat that is applied.

TIG welding

Developed for durability

The Caddys are equipped with large OKC 50 welding current connections to withstand heavy loads. Due to the compact design with the polymer casing that is impervious to impacts, these devices are light and easy to transport. The large cooling unit and the carefully thought out design ensure a long working life and allow use even under rough working conditions. The inbuilt ArcPlus™ II function further improves the welding arc and ensures that there is less spatter and better restriking of the arc. The Caddy® has been designed in such a way that all the main components in the machine are kept clean and free of dust. Caddy® complies with the requirements of IP 23 and is suitable for use outdoors. The robust construction and the excellent welding properties of the machines ensure reliable use on a day to day basis.

Power Factor Correction - PFC. Caddy® Tig is equipped with automated power factor correction (PFC), which minimizes disturbing feedback effects in the mains supply network and enables maximum use of the available electrical mains supply. .

Mobile solutions for professional welding



- Professional TIG welding of alloyed, unalloyed and stainless steels
- Large radius of action due to the ability to use intermediate cables.
- Ø 2,5 mm² up to 100 m in length without power losses and better compatibility with generators through PFC - Power Factor Correction
- High frequency and LiftArc™ striking
- 2 / 4 stroke torch controller
- Professional manual electric welding with ArcPlus™ II regulation and adjustable HotStart and ArcForce
- Polymer-aluminium housing that is impervious to impacts
- Caddy® Tig 2200i optionally gas- or water-cooled with CoolMini cooler
- Cooler with ELP, ESAB LogicPump (forced switching over of the water cooling if required)
- Type of insulation IP 23 - for work outdoors
- Protection against overload
- For site installation and production
- For repair and maintenance
- 2 different trolleys to choose from, page 72



With the environment in mind
Active power factor connection
Efficient energy utilisation
Harmonics EN 61000-3-12
RoHS 2002/95/E

PFC





Control Panel TA33

- Selection of the TIG parameters by inputting the sheet thickness
- Current fall time can be set
- Gas post-flow can be set
- Digital display



Control Panel TA34

- Graphic illustration of the course of the process
- TIG pulse-welding
- Micro-pulses up to 0.001 s
- Current rise / fall time can be set
- Gas pre-flow / post-flow time can be set
- Parameter storage (2x), can also be called up during welding via the torch button
- TIG torches with Up/Down remote controller
- Can be controlled remotely / digital display

Ordering information, complete packages

| | |
|--|---------------------|
| ● Caddy® Tig 1500i TA33, with 3m welding cables and torch TXH 151, 4 m | 0460 450 880 |
| ● Caddy® Tig 2200i TA33, with 3m welding cables and torch TXH 201, 4 m | 0460 450 881 |
| ● Caddy® Tig 1500i TA34, with 3m welding cables and torch TXH 151, 4 m | 0460 450 882 |
| ● Caddy® Tig 2200i TA34, with 3m welding cables and torch TXH 201, 4 m | 0460 450 883 |
| ● Caddy® Tig 2200iw TA33, with cooling unit, 3m welding cables and torch TXH 251w, 4 m | 0460 450 884 |
| ● Caddy® Tig 2200iw TA34, with cooling unit, 3m welding cables and torch TXH 251w, 4 m | 0460 450 885 |

Ordering information, machines

| | |
|---|---------------------|
| Caddy® Tig 1500i, TA33 ● | 0460 450 890 |
| Caddy® Tig 2200i, TA33 ● | 0460 450 891 |
| Caddy® Tig 1500i, TA34 ● | 0460 450 892 |
| Caddy® Tig 2200i, TA34 ● | 0460 450 893 |
| Caddy® Tig 2200iw, TA33 water cooling ● | 0460 450 894 |
| Caddy® Tig 2200iw, TA34 water cooling ● | 0460 450 895 |

| Technical data | Caddy® Tig 1500i | Caddy® Tig 2200i |
|----------------------------|------------------|------------------|
| Mains supply, V / ph | 230 / 1 | |
| Fuse, slow, A | 16 | |
| Setting range, TIG (DC), A | 3 - 150 | 3 - 220 |
| Setting range, MMA (DC), A | 4 - 150 | 4 - 170 |
| Open circuit voltage, V | 55 - 60 | 55 - 60 |
| Dimensions, LxWxH, mm | 418 x 188 x 208 | |
| Weight, kg | 9,2 | 9,4 |
| Enclosure class | IP 23 | |
| Application class | S | |

Maximum output at 40°C, TIG

| | | |
|----------------------|-----|-----|
| 20% duty cycle, A/V | 150 | 220 |
| 60% duty cycle, A/V | 120 | 150 |
| 100% duty cycle, A/V | 110 | 140 |

Maximum output at 40°C, MMA

| | | |
|----------------------|-----|-----|
| 20% duty cycle, A/V | 150 | 170 |
| 60% duty cycle, A/V | 100 | 130 |
| 100% duty cycle, A/V | 90 | 110 |

Cooling unit CoolMini for Caddy® 2200i

| | |
|---|-----------------|
| Weight, without/with cooling liquid, kg | 4,5 / 6,7 |
| Dimensions, LxWxH, mm | 407 x 188 x 151 |

Accessories

| | |
|--|---------------------|
| Adapter for remote-controller torches | 0459 491 912 |
| Foot-operated remote controller T1 Foot CAN, with 5m cable | 0460 315 880 |
| Shoulder strap | 0460 265 003 |
| Pressure reducer with flux meter | 0000 973 096 |
| Cooling liquid (10 l) | 0007 810 012 |
| Electrode holder, 150 A, 3m cable ●● | 0700 006 898 |
| Electrode holder, 200 A, 3m cable ●●●● | 0700 006 900 |
| CoolMini cooling unit ●● | 0460 144 880 |
| Cooling unit mounting kit for Tig 2200i | 0460 509 880 |



Delivery includes

3m mains cable with CEE plug, 3m earth cable, 2m gas hose with clamps.

Origo™ Tig 3001i DC

With the ESAB Origo™ Tig 3001i you are equipped for DC TIG and manual electrode welding.

Unalloyed and low-alloy steels, stainless steels, copper alloys and nickel-based materials can be welded with Origo™ Tig 3001i with an extremely stable arc and excellent striking properties.

Select the best package for you:

Origo™ TA23

includes the main functions for professional TIG and MMA welding

Origo™ TA24

extends the TIG functions to include TIG pulse-welding for the optimal application of heat to sheet thicknesses above 0.5 mm.

Two parameters settings can be called up from the torch button.

Optionally, TIG torches are available with Up/Down remote control to set the welding current during welding, also equipped with a flexible torch head.

Both control panels are characterized by easy operation and simple setting of the parameters.



For production repair and maintenance



- Housing made of galvanised steel - robust and able to withstand hard use
- Superlative welding properties - high utility and high quality
- Inverters based on IGBT technology - high performance and reliability
- Professional MMA welding with ArcPlus™ II regulation
- TIG torches with Up/Down remote control
- IP 23 protection - for work outdoors
- Can be controlled remotely, digital display
- Integrated handles
- Cooler with ELP, ESAB LogicPump (forced switching over of the water cooling if required)

| Technical data | Origo™ Tig 3001i |
|----------------------------------|------------------|
| Mains supply, V / ph | 400 / 3 |
| Fuse, slow, A | 16 |
| Setting range, TIG (DC), A | 4 - 300 |
| Open circuit voltage, V | 67 |
| Open circuit power, W | 30 |
| Power factor (TIG) | 0,9 |
| Efficiency at max power (TIG), % | 81 |
| Dimensions, LxWxH, mm | 652 x 249 x 423 |
| Weight, kg | 33,5 |
| Enclosure class | IP 23 |
| Application class | S |

| Cooling unit CoolMidi 1000 | |
|---|-----------------|
| Cooling power, W (l/min) | 1100 (1,0) |
| Coolant capacity, liter | 5 |
| Weight, without/with cooling liquid, kg | 14 / 19 |
| Dimensions, LxWxH, mm | 690 x 245 x 300 |

| Maximum output at 40°C, TIG | |
|-----------------------------|------------|
| 35% duty cycle, A/V | 300 / 22 |
| 60% duty cycle, A/V | 240 / 19,6 |
| 100% duty cycle, A/V | 200 / 18 |



Control Panel TA23

- TIG and MMA welding
- High frequency and LiftArc™ striking
- 2 / 4 stroke torch switch actions
- Graphic parameter setting for the current slope up time, welding current, current downslope time and gas post-flow time
- Gas pre-flow time and minimum current in the TIG area, and in the MMA field HotStart, ArcForce and drop welding



Control Panel TA24

- TIG and MMA welding
- TIG pulse-welding with DC
- Micro-pulses up to 0.001 s
- High frequency and LiftArc™ striking
- 2 / 4 stroke torch switch actions
- Can be set in the MMA field HotStart, ArcForce and drop welding
- Memory storage of 2 parameters sets, called up from the torch button or control panel
- Graphic parameter setting for the current slope up time, welding current, pulse time, base current, base current time, current downslope time and gas post-flow time

Delivery includes

5m mains cable with CEE plug, 4,5m earth cable, 2m gas hose with clamps.

Ordering information

| | |
|------------------------|--------------|
| Origo™ Tig 3001i, TA23 | 0459 745 883 |
| Origo™ Tig 3001iw,TA23 | 0459 745 884 |
| Origo™ Tig 3001i, TA24 | 0459 745 885 |
| Origo™ Tig 3001iw,TA24 | 0459 745 886 |
| Trolley | 0460 565 880 |

Complete Package

| | |
|--|--------------|
| Origo™ Tig 3001i TA23 + 3m MMA welding cables + torch TXH™ 201 4m + 4-wheel trolley + earth cable + gas hose | 0459 795 889 |
|--|--------------|

Accessories

| | |
|---|--------------|
| Protection and transport frame | 0460 459 880 |
| Cooling unit CoolMidi 1000 | 0460 490 880 |
| Cooling unit mounting kit for Origo™ Tig 3001i over CoolMidi 1000 | 0460 685 881 |
| Water flow guard for CoolMidi 1000 | 0456 855 881 |
| Adapter for remote-controller torches | 0459 491 913 |
| Foot-operated remote controller T1 Foot CAN, with 5m cable | 0460 315 881 |
| Pressure reducer with flux meter | 0000 973 096 |
| Cooling liquid (10 l) | 0007 810 012 |
| Electrode holder with 5m cable | 0700 006 888 |



Foot-operated remote controller T1 Foot CAN

TIG torches at page 94



Remote controller at page 68

Aristo® Tig 4000iw DC

The Aristo® Tig 4000iw is the ideal partner for MMA and TIG DC welding in your operation. Unalloyed and low-alloy steels, stainless steels, copper alloys and nickel-based materials can be welded with Aristo® Tig 4000iw with an extremely stable arc and excellent striking properties. A powerful device for production welding , repair or servicing work.

Select what is the optimal unit for you:

Aristo® TA4

includes the main functions for professional TIG welding

Aristo® TA6

Extends the TIG functions to include TIG pulse-welding for the optimal application of heat to sheet thicknesses above 0.5 mm.

Optionally, TIG torches with Up/Down remote controller to set the welding current during welding are available, also with flexible torch head.

Both control panels are characterized by simple to operate parameter settings.



- Inverters based on IGBT technology - high performance and reliability
- Excellent welding properties - high utility and high quality
- Housing with frame made of Alutech™ extruded profile, can be lifted by crane
- Dust filter included - reduces possible failures due to deposits of grinding dust, for example
- TIG torches are available with Up/Down remote control
- Energy-saving mode after 6.5 minutes
- ELP, ESAB LogicPump, starts the water pump automatically
- MMA electrodes up to 6.0 mm
- Carbon arc gouging up to 8.0 mm
- Can be controlled remotely, digital display
- IP 23 - allows use outdoors



| Technical data | Aristo® Tig 4000iw |
|--|--------------------|
| Mains supply, V / ph | 400 / 3 |
| Fuse, slow, A | 20 |
| Setting range, TIG (DC), A | 4 - 400 |
| Open circuit voltage, V | 78 - 90 |
| Open circuit power, W | 60 |
| Power factor (TIG) | 0,9 |
| Efficiency at max power (TIG), % | 86 |
| Dimensions, incl.cooling unit, LxWxH, mm | 625 x 394 x 776 |
| Weight, incl.cooling unit, kg | 81,5 |
| Enclosure class | IP 23 |
| Application class | S |
| Cooling power, W (l/min) | 2000 (2,0) |
| Coolant capacity, liter | 5,5 |

| Maximum output at 40°C, TIG | |
|-----------------------------|-----|
| 35% duty cycle, A | 400 |
| 60% duty cycle, A | 320 |
| 100% duty cycle, A | 250 |

Ordering information

| | |
|-------------------------|--------------|
| Aristo® Tig 4000iw, TA4 | 0458 630 881 |
| Aristo® Tig 4000iw, TA6 | 0458 630 885 |
| Trolley | 0458 530 881 |

Accessories

| | |
|--|--------------|
| Cooling liquid (10 l) | 0007 810 012 |
| Water flow guard | 0456 855 880 |
| Multi-voltage unit (208-575V 50/60Hz) | 0459 145 880 |
| Adapter for remote-controller torches | 0459 491 912 |
| Foot-operated remote controller T1 Foot CAN, with 5m cable | 0460 315 880 |
| Pressure reducer with flux meter | 0000 973 096 |
| Electrode holder with 5m cable | 0700 006 892 |

Delivery includes

5m mains cable with CEE plug, 4,5m earth cable, 2m gas hose with clamps.

Control Panel TA4



- TIG and MMA welding, carbon arc gouging
- High frequency and LiftArc™ striking
- 2 / 4 stroke torch switch
- Simple parameter setting for the current rise time, welding current, current fall time and gas pre- and post-flow time
- MMA welding with HotStart and ArcForce

Control Panel TA6



- TIG and MMA welding, carbon arc gouging
- Multi-lingual menu guidance
- High frequency and LiftArc™ striking
- 2 / 4 stroke torch switch
- TIG pulse-welding with DC
- Micro-pulses up to 0.001 s
- Gas flushing, gas pre- and post-flow
- Current rise time, welding current, current fall time
- 10 memory storage slots
- 3 memories for parameters that can be called up before, after or during welding from the torch button
- Minimum current setting for remote controller
- Limit value assignment and password protection
- MMA welding with Hot Start and Arc Force



TIG torches at page 94



Foot-operated remote controller T1 Foot CAN



Gouging torches, see ESAB Accessories catalogue



Remote controller at page 68

TIG AC/DC welding

Developed for durability

The Caddy® are equipped with large OKC 50 welding current connections to withstand heavy loads. Due to the compact design with the polymer casing that is impervious to impacts, these devices are light and easy to transport. The large cooling unit and the carefully thought out design ensure a long working life and allow use even under rough working conditions. The inbuilt ArcPlus™ II function further improves the welding arc and ensures that there is less spatter and better restriking of the arc.

The Caddy® has been designed in such a way that all the main components in the machine are kept clean and free of dust. Caddy® complies with the requirements of IP 23 and is suitable for use outdoors. The robust construction and the excellent welding properties of the machines ensure reliable use on a day to day basis.

Power Factor Correction - PFC. Caddy® Tig is equipped with automated power factor correction (PFC), which minimizes disturbing feedback effects in the mains supply network and enables maximum use of the available electrical mains supply.

Furthermore, the devices are less sensitive to fluctuations in the mains power supply and thus allow operation from generators.

For commerce and industry with tough demands for repair and servicing work



- Professional TIG AC/DC welding
- QWave™ - quiet and highly dynamic AC arc
- True AC Rating™ - correct display of the actual welding current
- Large radius of action, over 100 m with mains cable cross-section 2.5 mm² and improved compatibility with generators through PFC - Power Factor Correction
- High frequency and LiftArc™ striking
- 2 / 4 stroke torch switch actions
- Professional MMA welding with DC and AC
- ArcPlus™ regulation with adjustable HotStart, ArcForce and switchable polarity (DC)
- Type of insulation IP 23 - for work outdoors
- Polymer-aluminium housing that is impervious to impacts
- ELP, ESAB LogicPump, automatically switches the water cooling
- Protection against overtemperatures
- For installation and production
- For repair and maintenance
- TIG torches with Up/Down remote controller
- Caddy® Tig 2200i AC/DC optionally gas- or water-cooled with CoolMini cooler
- 2 different trolleys to choose from, page 72

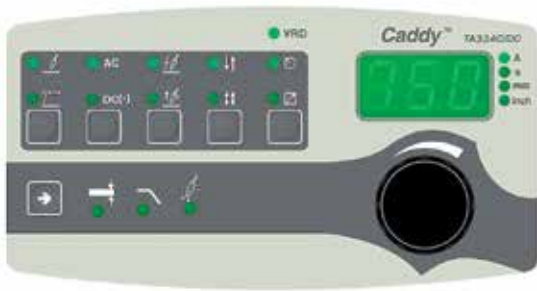


Trolley ●
0460 330 880



With the environment in mind
Active power factor connection
Efficient energy utilisation
Harmonics EN 61000-3-12
RoHS 2002/95/E





Control Panel TA33 AC/DC

- Selection of the TIG parameters by inputting the sheet thickness
- Current slope up / slope down can be set
- Gas pre-flow / post-flow time can be set
- Minimum current setting for remote controller
- Can be controlled remotely / digital display



Control Panel TA34 AC/DC

- Graphic illustration of the course of the process
- AC frequency and balance monitoring optimizes the weld pool
- TIG pulse-welding with DC
- DC micro-pulses up to 0.001 s
- Electrode preheating for better striking and longer life of the electrodes in AC welding
- Current slope up / slope down can be set
- Gas pre-flow / post-flow time can be set
- Parameter storage (2x), can also be called up during welding via the torch button
- Minimum current setting for remote controller
- Can be controlled remotely / digital display

Ordering information, complete packages

- Caddy® Tig 2200i AC/DC, TA33 AC/DC, torch TXH™201 4m and kit MMA **0460 150 882**
- Caddy® Tig 2200i AC/DC, TA34 AC/DC, torch TXH™201 4m and kit MMA **0460 150 883**
- Caddy® Tig 2200i AC/DC, TA34 AC/DC, torch TXH™ 251w 4m, CoolMini, kit MMA and 2-wheels trolley **0460 150 884**

Ordering information, machines

- Caddy® Tig 2200i AC/DC, TA34 AC/DC **0460 150 880**
- Caddy® Tig 2200i AC/DC, TA33 AC/DC **0460 150 881**
- CoolMini cooling unit **0460 144 880**

| Technical data | Caddy® Tig 2200i AC/DC |
|----------------------------------|------------------------|
| Mains supply, V / ph | 230 / 1 |
| Fuse, slow, A | 16 |
| Setting range, TIG (AC/DC), A | 3 - 220 |
| Setting range, (MMA), A | 4 - 160 |
| Open circuit voltage, V | 55 - 60 |
| Power factor (TIG) | 0,99 |
| Efficiency at max power (TIG), % | 66 |
| Dimensions, LxWxH, mm | 418 x 188 x 345 |
| Weight, kg | 15 |
| Enclosure class | IP 23 |
| Application class | S |

| CoolMini cooling unit | |
|---|-----------------|
| Weight, without/with cooling liquid, kg | 4,5 / 6,2 |
| Dimensions, LxWxH, mm | 407 x 188 x 151 |

| Maximum output at 40°C, TIG | |
|-----------------------------|-----|
| 20% duty cycle, A/V | 220 |
| 60% duty cycle, A/V | 150 |
| 100% duty cycle, A/V | 140 |

| Maximum output at 40°C, MMA | |
|-----------------------------|-----|
| 30% duty cycle, A/V | 160 |
| 60% duty cycle, A/V | 120 |
| 100% duty cycle, A/V | 110 |

| Accessories | |
|--|---------------------|
| Adapter for remote-controller torches | 0459 491 912 |
| Foot-operated remote controller T1 Foot CAN, with 5m cable | 0460 315 880 |
| Shoulder strap | 0460 265 003 |
| Pressure reducer with flux meter | 0000 973 096 |
| Cooling liquid (10 l) | 0007 810 012 |
| Electrode holder 200A with 3m cable | 0700 006 900 |



| Delivery includes |
|--|
| 3m mains cable with CEE plug, 3m earth cable, 2m gas hose with clamps. |

Origo™ Tig 3000i AC/DC - 4300iw AC/DC

For demanding applications in TIG welding



- Professional TIG AC/DC welding
- QWave™ - quiet and highly dynamic AC arc
- True AC Rating™ - correct display of the actual welding current
- Professional MMA welding with Origo™ Tig 4300iw AC/DC
- ArcPlus™ regulation, HotStart, ArcForce can be set and switchable polarity (DC)
- IP 23 protection - for work outdoors
- Energy-saving mode after welding is interrupted
- Digital display

- Protection against overtemperatures
- Origo™ Tig 4300iw AC/DC, can be lifted by crane
- Two different trolleys for Origo™ Tig 3000i AC/DC
- Origo™ Tig 3000i AC/DC optionally gas- or water-cooled with cooler CoolMidi 1800
- ELP, ESAB LogicPump, automatically switches the water cooling
- TIG torches with Up/Down remote control



| Technical data | Tig 3000i TA24 AC/DC | Tig 4300iw TA24 AC/DC |
|----------------------------------|-------------------------|--------------------------|
| Mains supply, V / ph | 400 / 3 | |
| Fuse, slow, A | 20 | 25 |
| Setting range, TIG (AC/DC), A | 4 - 300 | 4 - 430 |
| Setting range, (MMA), A | 16 - 300 | 16 - 430 |
| Current slope-up, sec | 0 - 10 | |
| Current slope-down, sec | 0 - 10 | |
| Gas post-flow, sec | 0 - 25 | |
| Pulse frequency DC, sec | 0,01 - 2,5 | |
| Open circuit voltage, V | 54 - 67 | 83 |
| Power factor (TIG) | 0,65 | 0,89 |
| Efficiency at max power (TIG), % | 77 | 76 |
| Dimensions, LxWxH, mm | 652 x 412 x 423 | 625 x 394 x 776 |
| Weight, kg | 42 | - |
| Weight with cooling unit., kg | - | 95 |
| Enclosure class | IP 23 | IP 23 |
| Application class | S | |

Maximum output at 40°C, TIG

| | | |
|--------------------|-----|-----|
| 35% duty cycle, A | 300 | - |
| 40% duty cycle, A | - | 430 |
| 60% duty cycle, A | 240 | 400 |
| 100% duty cycle, A | 200 | 315 |

CoolMidi 1800 cooling unit

| | | |
|---|------------|------------|
| Cooling power, W (l/min) | 1600 (1.2) | 2000 (2,0) |
| Cooling liquid capacity, liter | 4,2 | 5,5 |
| Weight, without/with cooling liquid, kg | 19 / 23 | - |
| Dimensions, LxWxH, mm | - | |

* CoolMidi 1800 is valid only for Tig 3000i AC/DC.
Tig 4300i AC/DC has the cooling unit integrated.



Complete Package

- Origo™ Tig 3000i AC/DC TA24 + MMA welding cables
- + CoolMidi 1800 + torch TXH™ 251w
- + 4-wheels trolley

0459 795 882

Ordering information

Origo™ Tig 3000i, TA24

| | |
|------------------------------|--------------|
| Origo™ Tig 3000i, TA24 AC/DC | 0459 735 880 |
| CoolMidi 1800 cooling unit | 0459 840 880 |
| Two-wheels trolley | 0459 366 890 |
| Four-wheels trolley | 0460 060 880 |

Origo™ Tig 4300i, TA24 water cooling

| | |
|-------------------------------|--------------|
| Origo™ Tig 4300iw, TA24 AC/DC | 0460 100 880 |
| Four-wheels trolley | 0458 530 881 |

Accessories

| | |
|--|--------------|
| Adapter for remote-controller torches | 0459 491 912 |
| Foot-operated remote controller T1 Foot CAN, with 5m cable | 0460 315 880 |
| Pressure reducer with flow meter | 0000 973 096 |
| Cooling liquid (10 l) | 0007 810 012 |
| Electrode holder with 3m cable | 0700 006 888 |

Control Panel TA24 AC/DC

- Graphic illustration of the course of the process
- High frequency and LiftArc™ striking
- 2 / 4 stroke torch switch action
- AC frequency and balance monitoring optimizes the weld pool
- TIG pulse-welding with DC
- DC micro-pulses up to 0.001 s
- Electrode preheating for better striking and longer life of the electrodes in AC welding
- Current slope up / slope down can be set
- Gas pre-flow / post-flow time can be set
- Parameter storage (2x), can also be called up during welding via the torch button
- Minimum current setting for remote controller
- Can be controlled remotely / digital display



TIG welding torches at page 94



Foot-operated remote controller
T1 Foot CAN



Remote controller at page 68

Delivery includes

5m mains cable with CEE plug, 4,5m earth cable, 2m gas hose with clamps.

Origo™ Tig 3000i AC/DC, complete package 0459 795 882

TIG TXH™ torches

Torches and consumables



TXH™ TIG torches for the demanding welder

The main characteristic of the TXH™ torches is above all their quality. The torches and torch fittings offer a maximum amount of convenience, versatility and ergonomics.

You can vary between air- or water-cooled, with or without gas-valve and with or without flexible neck to suite your individual application.

Ordering information Self-cooled torches

| | |
|------------------------|----------------|
| TXH™ 121, 4 m OKC 50 | 0700 300 524 |
| TXH™ 121, 8 m OKC 50 | 0700 300 529 |
| TXH™ 151, 4 m OKC 50 | 0700 300 538 |
| TXH™ 151, 8 m OKC 50 | 0700 300 544 |
| TXH™ 201, 4 m OKC 50 | 0700 300 552 |
| TXH™ 201, 8 m OKC 50 | 0700 300 555 |
| TXH™ 121, 4 m OKC 25 C | 0700 300 522** |
| TXH™ 121, 8 m OKC 25 C | 0700 300 527** |
| TXH™ 121, 4 m OKC 25 | 0700 300 532* |
| TXH™ 121, 8 m OKC 25 | 0700 300 534 |
| TXH™ 151, 4 m OKC 25 | 0700 300 548* |
| TXH™ 151, 8 m OKC 25 | 0700 300 550* |
| TXH™ 151, 4 m OKC 25 C | 0700 300 536** |
| TXH™ 151, 8 m OKC 25 C | 0700 300 542** |
| TXH™ 201, 4 m OKC 25 | 0700 300 558 |
| TXH™ 201, 8 m OKC 25 | 0700 300 560 |

* Only Origo Tig 150i

** Only Caddy Tig 150i

With gas valve

| | |
|-----------------------|--------------|
| TXH™ 121V, 4 m OKC 25 | 0700 300 523 |
| TXH™ 121V, 8 m OKC 25 | 0700 300 528 |
| TXH™ 151V, 4 m OKC 25 | 0700 300 537 |
| TXH™ 151V, 8 m OKC 25 | 0700 300 543 |
| TXH™ 151V, 4 m OKC 50 | 0700 300 539 |
| TXH™ 151V, 8 m OKC 50 | 0700 300 545 |
| TXH™ 201V, 4 m OKC 50 | 0700 300 553 |
| TXH™ 201V, 8 m OKC 50 | 0700 300 556 |

With flexible head

| | |
|-----------------------|--------------|
| TXH™ 121F, 4 m OKC 25 | 0700 300 525 |
| TXH™ 121F, 8 m OKC 25 | 0700 300 530 |
| TXH™ 121F, 4 m OKC 50 | 0700 300 526 |
| TXH™ 121F, 8 m OKC 50 | 0700 300 531 |
| TXH™ 151F, 4 m OKC 25 | 0700 300 540 |
| TXH™ 151F, 8 m OKC 25 | 0700 300 546 |
| TXH™ 151F, 4 m OKC 50 | 0700 300 541 |
| TXH™ 151F, 8 m OKC 50 | 0700 300 547 |
| TXH™ 201F, 4 m OKC 25 | 0700 300 559 |
| TXH™ 201F, 4 m OKC 50 | 0700 300 554 |
| TXH™ 201F, 8 m OKC 50 | 0700 300 557 |

With current adjustment*

| | |
|-----------------------|--------------|
| TXH™ 121r, 4 m OKC 50 | 0700 300 620 |
| TXH™ 121r, 8 m OKC 50 | 0700 300 622 |
| TXH™ 151r, 4 m OKC 50 | 0700 300 624 |
| TXH™ 151r, 8 m OKC 50 | 0700 300 626 |
| TXH™ 201r, 4 m OKC 50 | 0700 300 628 |
| TXH™ 201r, 8 m OKC 50 | 0700 300 630 |

With flexible head and current adjustment*

| | |
|------------------------|--------------|
| TXH™ 121Fr, 4 m OKC 50 | 0700 300 621 |
| TXH™ 121Fr, 8 m OKC 50 | 0700 300 623 |
| TXH™ 151Fr, 4 m OKC 50 | 0700 300 625 |
| TXH™ 151Fr, 8 m OKC 50 | 0700 300 627 |
| TXH™ 201Fr, 4 m OKC 50 | 0700 300 629 |

Ordering information Water cooled torches

| | |
|--------------------------|--------------|
| TXH™ 251w, 4 m OKC 50 | 0700 300 561 |
| TXH™ 251w, 8 m OKC 50 | 0700 300 563 |
| TXH™ 401w, 4 m OKC 50 | 0700 300 565 |
| TXH™ 401w, 8 m OKC 50 | 0700 300 567 |
| TXH™ 401w HD, 4 m OKC 50 | 0700 300 566 |
| TXH™ 401w HD, 8 m OKC 50 | 0700 300 568 |

With flexible head

| | |
|------------------------|--------------|
| TXH™ 251wF, 4 m OKC 50 | 0700 300 562 |
| TXH™ 251wF, 4 m OKC 50 | 0700 300 564 |

With current adjustment*

| | |
|---------------------------|--------------|
| TXH™ 251wr, 4 m OKC 50 | 0700 300 632 |
| TXH™ 251wr, 8 m OKC 50 | 0700 300 634 |
| TXH™ 401wr, 4 m OKC 50 | 0700 300 636 |
| TXH™ 401wr, 8 m OKC 50 | 0700 300 637 |
| TXH™ 401wr HD, 4 m OKC 50 | 0700 300 638 |
| TXH™ 401wr HD, 8 m OKC 50 | 0700 300 639 |

With flexible head and current adjustment*

| | |
|-------------------------|--------------|
| TXH™ 251wFr, 4 m OKC 50 | 0700 300 633 |
| TXH™ 251wFr, 8 m OKC 50 | 0700 300 635 |

Accessories

Adapter for remote-controller torches

| | |
|--|--------------|
| 12 poles | 0459 491 912 |
| 10 poles for Origo™ Tig 3001i | 0459 491 913 |
| Adapter for old ESAB machines with central connector | 0466 807 880 |
| Cooling liquid (10 l) | 0007 810 012 |
| Wear part kit for TXH™ 121/251w | 0368 846 880 |
| Wear part kit for TXH™ 151/201 | 0368 846 881 |
| Wear part kit for TXH™ 401w | 0368 846 882 |

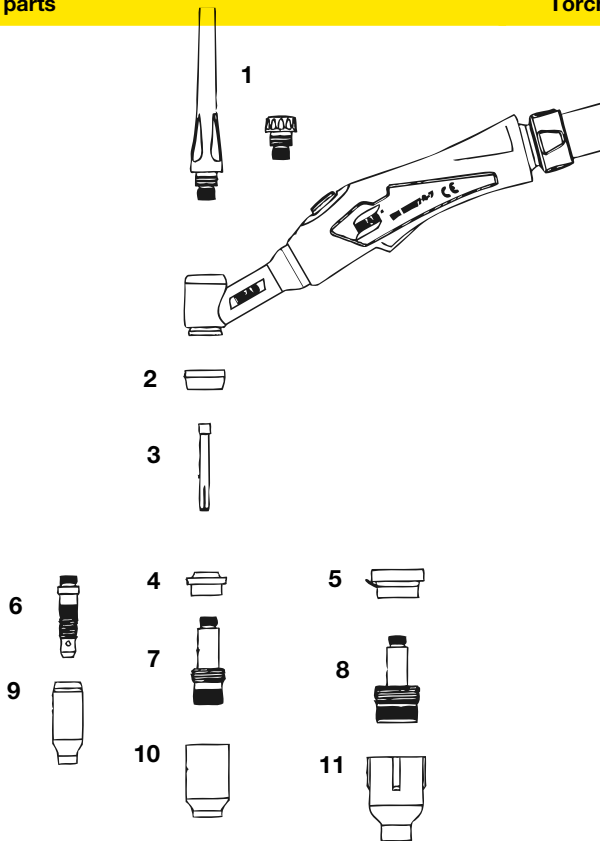
Extensions

Special extensions, not for torches with current adjustment

| | |
|----------------------------------|--------------|
| Length 8 m, 200 A, self-cooled | 0466 705 880 |
| Length 16 m, 200 A, self-cooled | 0466 705 882 |
| Length 16 m, 400 A, water-cooled | 0466 705 883 |

* See Accessories page 67 for suited adapter

| Technical data | TXH™ 121 | TXH™ 151 | TXH™ 201 | TXH™ 251w | TXH™ 401w | TXH™ 401w HD |
|--------------------------|-----------|-----------|-----------|-----------|-----------|--------------|
| Maximum current | | | | | | |
| 35% duty cycle, A | - | 150 | 200 | - | 400 | 430 |
| 60% duty cycle, A | 120 | 120 | 150 | 250 | 350 | 400 |
| 100% duty cycle, A | 100 | 100 | 140 | 200 | 300 | - |
| Electrode diameter, Ø mm | 1,0 - 3,2 | 1,0 - 3,2 | 1,0 - 4,0 | 1,0 - 3,2 | 1,0 - 4,8 | 1,0 - 4,8 |

Wear parts
Torches TXH™
121/251w
151/201
401w/401wHD

Collet body with gas lens (7)

| | | | |
|-------|--------------|--------------|--------------|
| Ø 1,0 | 0157 121 016 | 0157 123 021 | 0157 123 091 |
| Ø 1,6 | 0157 121 017 | 0157 123 022 | 0157 123 092 |
| Ø 2,4 | 0157 121 018 | 0157 123 023 | 0157 123 093 |
| Ø 3,2 | 0157 121 041 | 0157 123 024 | 0157 123 094 |
| Ø 4,0 | - | 0157 123 025 | 0157 123 095 |
| Ø 4,8 | - | - | 0157 123 075 |

Collet body with extra large gas lens (7)

| | | | |
|-------------|---|--------------|---|
| Ø 1,0 | - | 0157 123 083 | - |
| Ø 1,6 | - | 0157 123 084 | - |
| Ø 2,4 | - | 0157 123 085 | - |
| Ø 3,2 | - | 0157 123 086 | - |
| Ø 4,0 - 4,8 | - | 0157 123 087 | - |

Gas nozzles, standard (8)

| | | | |
|--------|---------------------|---------------------|---|
| Ø 6,4 | 0365 310 044 | 0157 123 052 | - |
| Ø 8,0 | 0365 310 045 | 0157 123 053 | - |
| Ø 9,8 | 0365 310 046 | 0157 123 054 | - |
| Ø 11,2 | 0365 310 047 | 0157 123 055 | - |
| Ø 12,7 | 0365 310 048 | 0157 123 056 | - |
| Ø 15,9 | 0588 000 440 | 0588 000 442 | - |
| Ø 19,0 | - | 0588 000 441 | - |

5 – Gas nozzle for gas lens (10)

| | | | |
|--------|--------------|--------------|---------------------|
| Ø 6,4 | 0157 121 032 | 0157 123 057 | 0157 123 057 |
| Ø 8,0 | 0157 121 033 | 0157 123 058 | 0157 123 058 |
| Ø 9,8 | 0157 121 034 | 0157 123 059 | 0157 123 059 |
| Ø 11,2 | 0157 121 039 | 0157 123 060 | 0157 123 060 |
| Ø 12,7 | 0157 121 040 | 0157 123 061 | 0157 123 061 |
| Ø 17,5 | - | 0588 000 439 | - |

Extra large gas nozzle for extra large gas lens (11)

| | | | |
|--------|---|--------------|---|
| Ø 9,8 | - | 0157 123 088 | - |
| Ø 12,7 | - | 0157 123 089 | - |
| Ø 15,9 | - | 0588 000 438 | - |
| Ø 19,0 | - | 0157 123 098 | - |
| Ø 24,0 | - | 0588 000 437 | - |

In bold: standard delivery
Torches TXH™
121/251w
151/201
401w/401wHD
Back cap (1)

| | | | |
|--------|---------------------|---------------------|---------------------|
| Long | 0365 310 051 | 0157 123 029 | 0157 123 029 |
| Medium | 0365 310 050 | 0588 000 591 | 0588 000 591 |
| Short | 0365 310 049 | 0157 123 028 | 0157 123 028 |

Heat shield

| | | | |
|--------------------------|--------------|--------------|---------------------|
| (2) | 0366 960 017 | 0366 960 016 | 0366 960 018 |
| (4) | - | 0366 960 020 | - |
| (5) extra large gas lens | - | 0366 960 021 | - |

Collet, standard and for gas lens (3)

| | | | |
|-------|---------------------|---------------------|--------------|
| Ø 1,0 | 0365 310 028 | 0157 123 010 | 0157 123 010 |
| Ø 1,6 | 0365 310 029 | 0157 123 011 | 0157 123 011 |
| Ø 2,4 | 0365 310 030 | 0157 123 012 | - |
| Ø 3,2 | 0365 310 091 | 0157 123 013 | - |
| Ø 4,0 | - | 0157 123 014 | - |

Collet body, heavy duty

| | | | |
|-------|---|---|---------------------|
| Ø 2,4 | - | - | 0157 123 077 |
| Ø 3,2 | - | - | 0157 123 078 |
| Ø 4,0 | - | - | 0157 123 079 |
| Ø 4,8 | - | - | 0157 123 074 |

Collet body, standard (6)

| | | | |
|-------------|---------------------|---------------------|---|
| Ø 1,0 | 0365 310 037 | 0157 123 015 | - |
| Ø 1,6 | 0365 310 038 | 0157 123 016 | - |
| Ø 2,4 | 0365 310 039 | 0157 123 017 | - |
| Ø 3,2 | 0365 310 090 | 0157 123 018 | - |
| Ø 4,0 - 4,8 | - | 0157 123 019 | - |



Tungsten electrodes: see ESAB Accessories catalogue

Welding and cutting technology

Plasma cutting

Plasma cutting is an extremely versatile fusion cutting process to cut almost all metals. In plasma cutting the arc burns in a highly ionised plasma column between an electrode that does not melt and the work piece. It is restricted further by a nozzle, whereby the power density and the stability of the flowing plasma are greatly increased.

The plasma arc that is created in this way has a temperature of up to 25,000 °C. The high energy density of the plasma stream rapidly melts the material and its kinetic energy drives the molten material out of the cutting groove.

The high cutting speed ensures minimal distortion and cleanly cut edges. Compressed air is mainly used as the plasma gas in mobile units, which makes the process very easy to use. Using this procedure it is also possible to cut packages of sheet metal, a process which cannot be done using oxy-fuel flame cutting. High-alloy steels, aluminium and copper can also be cut very economically with plasma cutting. Plasma gouging is also an option with the addition of a gouging nozzle, which has clear advantages over carbon arc gouging torches. It is faster, quieter, cleaner and more precise.





PowerCut™

The units of the PowerCut™ family offer mobility and long working life and thus the best possible productivity with an optimum price/performance ratio. Ideal for plasma cutting. The most important thing: the torch. In manual plasma cutting the design of the torch plays a crucial role for handling and servicing. The best system has a simple design and is made up of as few parts as possible. The advantage for the user: only a small number of parts need to be kept, it is easier to replace consumable parts and the servicing costs are kept low.



Plasma gouging

Plasma gouging is the best genuine alternative to gouging using carbon electrodes. Less fumes, quieter, reduced post work cleaning.

The initial voltage and power reserve together with the V/A curve are crucial factors for good working results. In addition, the unit must have high voltage reserves to keep the extremely long arc stable during the gouging operation.

In the field of mobile plasma units the PowerCut™ 900-1600 have proved to be superior in performance to many other units for plasma gouging.

PowerCut™ 400 - PowerCut™ 700



- Small, compact lightweight design and portable plasma cutting units
- Powerful, durable and blowback technology
- Auto Sensing*
- Dynamic arc control
- Automatic air pressure and voltage booster

| Technical data | PowerCut™ 400 | PowerCut™ 700 | PowerCut™ 900 |
|--|------------------|------------------|------------------------|
| Mains supply, V / ph | 90-280/1, 50/60 | 400/3, 50/60 | 400/3 and 230/3, 50/60 |
| Fuse, slow, A | 16 | 16 | 20/32 |
| Permitted load at 20% duty cycle, A | 30A | | |
| Permitted load at 30% duty cycle, A | | 50A | |
| Permitted load at 60% duty cycle, A | | | 60A |
| Max output at 40 °C, 60% duty cycle, A | 18A | 37A | |
| Setting range, A | 15 - 30 | 30-50 | 20-60 |
| Dimensions, LxWxH, mm | 465 x 160 x 340 | 600 x 210 x 380 | 630 x 322 x 379 |
| Weight, with cable and torch, kg | 14 | 25 | 40 |
| Enclosure class | IP 23 | IP23 | IP 23S |
| Compressed air, bar / l/min | 4,8 / 142 | 5,5 / 189 | 5,5 / 189 |
| Operating temperature, | -10 - +40 | -10 - +40 | -10 - +40 |

Cutting capacity, quality/sever, mm

| | | | |
|-----------------|-------|-------|-------|
| Mild steel | 10/12 | 16/20 | 22/32 |
| Stainless steel | 10/12 | 16/20 | |
| Aluminium | 10/12 | 16/20 | |

Ordering information

PowerCut™ 400, 90-280V, 1ph CE **0700 210 880**

Accessories

PT-39 Replacement torch 4.5 m*)

| | |
|--|--------------|
| *) Wear parts to be ordered separately | 0558 010 576 |
| 30 A Wear parts kit, PT-39 | 0558 010 586 |
| Plasma flow measuring kit | 0558 000 739 |
| Stand-off Guide | 0558 010 581 |

PowerCut™ 400 is supplied with:

Power source, 4,5 m cutting torch, torch wear parts kit, 3 m power cord, work cable with clamp. The system arrives fully assembled and ready to cut.

Ordering information

PowerCut™ 700, 400V, 3 ph CE **0700 210 881**

Accessories

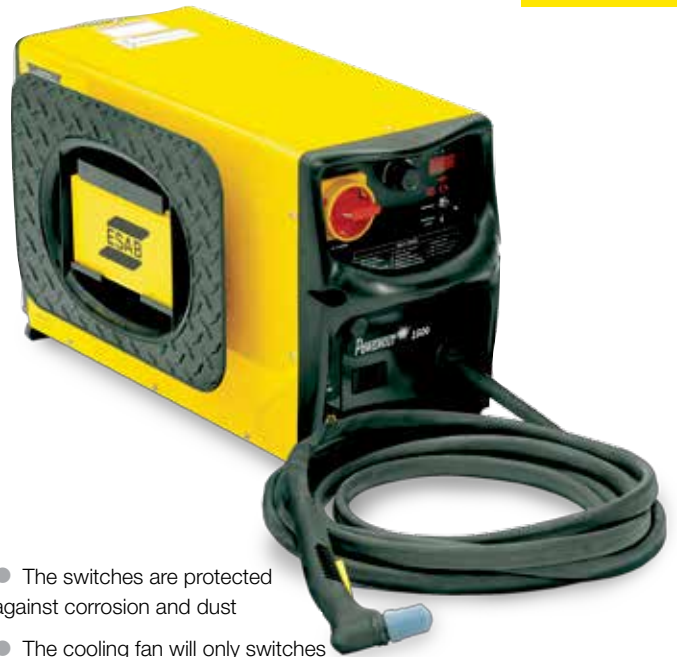
PT-39 replacement torch 7.6 m*)

| | |
|--|--------------|
| *) Wear parts to be ordered separately | 0558 011 580 |
| 50 A Wear parts kit, PT-39 | 0558 010 585 |
| Plug n Play mechanized Kit | 0700 210 200 |
| Remote hand switch, 7.6 m | 0558 008 349 |
| PT-37 Torch w/rack, 7.6 m | 0558 004 862 |
| PT-37 Torch w/o rack, 5.2 m | 0558 004 895 |
| Plasma flow measuring kit | 0558 000 739 |
| Stand-off Guide | 0558 010 581 |

PowerCut™ 700 is supplied with:

Power source, 7.6 m cutting torch, torch wear parts kit, air/filter regulator, 3 m power cord, work cable with clamp. The system arrives fully assembled and ready to cut.

PowerCut™ 900 - PowerCut™ 1600



- Blowback starting technology - without high frequency, prevents interference to electronic components or computer systems in the vicinity
- Automatic switching between operating modes: Gouging – grid cutting - normal cutting
- PowerCut™ supplies an extra high output voltage for excellent gouging
- Robust design - The housing of the PowerCut™ is designed for durability. It resists corrosion and weathering but is nonetheless light
- The electronic components are mounted in such a way that they are protected against impacts and vibration

- The switches are protected against corrosion and dust
- The cooling fan will only switch on when required, this saves energy and reduces the penetration of dust
- Built-in mains adaptation provides trouble-free operation even if the power supply is not optimal (generator operation)
- The digital display shows the exact air pressure or cutting current, plus a help code to deal with minor faults so as to reduce shutdown times
- Holder for torches and consumables



PowerCut™ 1600

400 / 3
35

90A

20-90

706 x 322 x 379

45

IP 23S

5,5 / 189

-10 - +40

38 / 44

Ordering information

With torch PT-38 and 7,6 m cable

| | |
|----------------------------|--------------|
| PowerCut™ 900, 230V - 3ph | 0558 008 124 |
| PowerCut™ 900, 400V - 3ph | 0558 008 136 |
| PowerCut™ 1600, 400V - 3ph | 0558 007 235 |

Without torch

| | |
|---------------------------|--------------|
| PowerCut™ 900, 230V - 3ph | 0558 008 123 |
| PowerCut™ 900, 400V - 3ph | 0558 008 135 |
| PowerCut™ 1600, 400 - 3ph | 0558 007 234 |

PowerCut™ 900 and 1600 are supplied with :

Ground cable, mains cable incl plug (400v - 3ph only), torch wrap and pressure regulator with filter. Consumables set is included with the torch PT - 38.

Accessories

| | |
|----------------------------|--------------|
| Trolley | 0558 007 898 |
| Plasma flow measuring kit | 0558 000 739 |
| Heavy Duty water separator | 0558 007 897 |

Consumables set 60 Amp for torch - PowerCut™ 900

| | |
|---|--------------|
| 1 Ceramic nozzle, 3 Nozzles 60 A, 1 Gas diffusor, 3 Electrodes, O-ring and various parts | 0558 008 419 |
|---|--------------|

Consumables set 90 Amp for torch - PowerCut™ 1600

| | |
|--|--------------|
| 1 Ceramic nozzle, 4 Nozzles 90 A, 1 Gas diffusor 30-70 A and 90 A, 3 Electrodes, O-ring and various parts | 0558 007 640 |
|--|--------------|

Plasma torches

Mechanization

- Plug-and-Play accessories - transform the PowerCut™ 900 / 1600 into a powerful mechanized solution for your application.

Mechanization

| | |
|---------------------------------|---------------------|
| CNC interface with 15,2 m cable | 0558 004 215 |
| Plug-and-play mechanization kit | 0558 007 885 |
| Remote controller | 0558 008 349 |

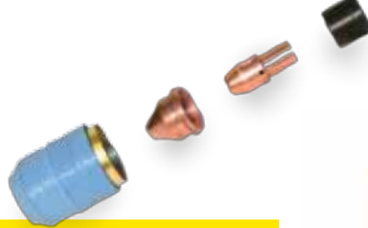
PT-37 plasma torch

| | |
|----------------------------------|---------------------|
| PT-37, with rack, 7,6 m cable | 0558 004 862 |
| PT-37, without rack, 5,2 m cable | 0558 004 895 |
| Torch support | 0558 005 926 |

PT-37



PT-38



Ordering information PT-38

| | |
|-----------------------------|---------------------|
| Plasma torch PT-38 - 7,6 m | 0558 006 786 |
| Plasma torch PT-38 - 15,2 m | 0558 006 787 |
| Without consumables | |

Accessories

| | |
|---|---------------------|
| Kit consumables 60 A | 0558 008 419 |
| Kit consumables 90 A | 0558 007 640 |
| Deluxe torch guide kit (for circles Ø 45-1060 mm) | 0558 003 258 |
| Basic torch guide kit (for circles Ø 45-750 mm) | 0558 002 675 |

Consumables for torch supplied with PowerCut™900

| | |
|--------------------------|---------------------|
| Heat shield | 0558 008 094 |
| Nozzle 60 A | 0558 008 417 |
| Nozzle 40 A (Drag) | 0558 007 682 |
| Electrode | 0558 005 220 |
| Gas diffusor 30-70 A | 0558 005 217 |
| Stand Off guide | 0558 008 592 |
| Heat shield for gouging* | 0558 008 591 |
| Gouging nozzle* | 0558 008 588 |

*Only for gouging with PowerCut™ 900

Consumables for torch supplied with PowerCut™1600

| | |
|----------------------------|---------------------|
| Heat shield | 0558 008 094 |
| Nozzle 90 A | 0558 007 680 |
| Nozzle 70 A | 0558 005 219 |
| Nozzle 40 A (Drag) | 0558 007 682 |
| Electrode | 0558 005 220 |
| Gas diffusor 30-70 A | 0558 005 217 |
| Gas diffusor 90 A** | 0558 004 870 |
| Stand Off guide | 0558 006 614 |
| Heat shield for gouging ** | 0558 008 186 |
| Gouging nozzle ** | 0558 007 681 |

** Only for gouging with PowerCut™ 1600



Plasma cutting torch PT-38

- Ergonomic handle for more comfortable operation
- Large switch for better handling when wearing protective gloves
- New blowback technology
- Simple replacement of wear parts, less wear parts.
- Robust strain relief
- Torch change without tools



PT-39



PT-26



Ordering information PT-39

| | |
|--------------------------------------|--------------|
| PT-39 PC400 Replacement torch 4.5 *) | 0558 010 576 |
| PT-39 PC700 Replacement torch 7.6 *) | 0558 011 580 |

*) Wear parts to be ordered separately

Accessories PT-39

| | |
|----------------------|--------------|
| Wear Part Kit 50A | 0558 010 585 |
| Wear Part Kit 20-30A | 0558 010 586 |

Wear Parts PT-39

| | |
|---------------------|--------------|
| Electrode | 0558 005 220 |
| Swirl Baffle 30-80A | 0558 005 217 |
| Nozzle 20-30A | 0558 011 620 |
| Nozzle 50A | 0558 004 878 |
| Heat Shield, CE | 0558 011 868 |
| Stand-off Guide | 0558 010 581 |

Ordering information PT-26

| | |
|---|--------------|
| Plasma torch PT-26 - 7,6 m - 70° | 0558 002 208 |
| Plasma torch PT-26 - 15,2 m - 70° | 0558 002 209 |
| Plasma torch PT-26 - 7,6 m - 90° | 0558 004 031 |
| Plasma torch PT-26 - 15,2 m - 90° | 0558 004 032 |
| PT-26 straight torch for mechanization - 7,6 m | 0558 002 320 |
| PT-26 straight torch for mechanization - 15,2 m | 0558 002 321 |

Accessories PT-26

| | |
|--|--------------|
| Kit consumables 150 A | 0558 002 864 |
| Kit consumables 300 A for Deuce Pack | 0558 004 030 |
| Leather protection for torch hose 7,6 m | 0558 002 921 |
| Leather protection for torch hose 15,2 m | 0558 002 922 |

Accessories PT-26 for gouging

| | |
|-------------------------------|--------------|
| Gouging nozzle 200 A | 0558 003 718 |
| Gouging nozzle 300 A | 0558 003 795 |
| Heat shield for torch | 0558 003 797 |
| Leather protection, see above | |

Consumables PT-26

| | |
|--|--------------|
| Torch body upper O-ring | 0558 003 721 |
| Torch body lower O-ring | 0558 003 720 |
| Electrode holder, incl. O-ring | 0558 003 707 |
| Electrode holder upper O-ring | 0558 003 708 |
| Electrode holder lower O-ring | 0558 003 709 |
| Baffle tube | 0558 003 710 |
| Insulator, incl O-ring | 0558 003 711 |
| Insulator O-ring | 0558 003 712 |
| Electrode, Air, N ₂ , N ₂ /H | 0558 003 722 |
| Electrode, Ar/H | 0558 003 723 |
| Nozzle 50 A (with O-ring) | 0558 003 716 |
| Nozzle 150 A (with O-ring) | 0558 003 717 |
| Nozzle 250 A (with O-ring) | 0558 003 798 |
| Nozzle 300 A (with O-ring) | 0558 003 794 |
| Electrode upper O-ring | 0558 003 724 |
| Electrode lower O-ring | 0558 003 725 |
| Stand-off guide | 0558 003 713 |

Basic circular guide set for PT-38



The deluxe torch kit for round cuts from 45 to 1060 mm Ø. The middle is fixed with a pin, magnet or sucker pad. Also suitable for straight cuts.

Consumables set PT-38

ESP 150 – ESP 150 Deuce Pack



- High-performance units for manual plasma cutting or plasma gouging
- Can be used as individual units or in parallel operation as Deuce Pack
- Mechanisation components optional, CNC interface included
- First class properties for gouging
- Water-cooled torch PT-26, optionally with 70° or 90° curved torch head or straight as machine torch
- Long working life of the consumables
- Cut with air, nitrogen, argon-hydrogen or nitrogen-hydrogen mixture
- Start by pilot arc, also cuts through painted or coated materials
- Torch with safety circuit, allows operation only if the correct consumables have been installed

| Technical data | ESP 150 | ESP 150 Deuce Pack |
|---------------------------------------|------------------|--------------------|
| Mains supply, V / ph | 400 / 3 | 400 / 3 |
| Max output at 40°C, 90% duty cycle, A | 150 | 300 |
| Setting range, A | 25 - 150 | 30 - 300 |
| Dimensions, LxWxH, mm | 1016 x 552 x 800 | - |
| Weight, with cable and torch, kg | 308 | - |
| Enclosure class | IP 21S | IP 21S |
| Plasma gas, bar / l/min | 6,9 / 113 | 5,6 / 112 |
| Protection gas, bar / l/min | 5,9 / 95 | 6,0 / 94 |

| Cutting capacity, quality/sever, mm | | |
|-------------------------------------|---------|----------|
| Mild steel | 40 / 50 | -- / 100 |
| Stainless steel | 25 / 38 | -- / 75 |
| Aluminium | 40 / 50 | -- / 100 |

Ordering information ESP 150

| | |
|--------------------------------------|---------------------|
| ESP 150 with torch PT-26, 70°, 7.6 m | 0558 003 472 |
| ESP 150 without torch | 0558 002 713 |

Ordering information ESP 150 Deuce Pack

| | |
|------------------------------------|---------------------|
| DEUCE PACK 150, with PT-26, 15,2 m | 0588 001 011 |
|------------------------------------|---------------------|

ESP 150 is supplied with :

Cutting torch PT-26 with leather hose protection sleeve, consumables set, work piece cable 7.6 or 15.2 m, trolley TR-21 with holder for two gas bottles, pressure regulator, gas hoses and coolant.

Accessories ESP 150 – ESP 150 Deuce Pack

| | |
|--------------------|---------------------|
| Multigas regulator | 0558 004 781 |
| Trolley TR-21 | 680 794 |
| Coolant, 10 liter | 0007 810 012 |

Plasma flow measuring kit

| | |
|---|---------------------|
| This system measures the real value of the plasma flow at the torch | 0558 000 739 |
|---|---------------------|

Consumables PT-26 (150 A)

| | |
|--|---------------------|
| 3 nozzles 50 A, 3 nozzles 150 A, 3 nozzles 200 A, 1 gouging nozzle 200 A, 3 electrodes Ar/H, 3 gouging nozzle, N2, N2/H, 1 standard heat shield, 1 torch guide spacer | 0558 002 864 |
|--|---------------------|

Consumables PT-26 (300 A)

| | |
|---|---------------------|
| 3 nozzles 50 A, 3 nozzles 150 A, 3 nozzles 200 A, 3 nozzles 300 A, 1 gouging nozzle 200 A, 1 gouging nozzle 300 A, 3 electrodes Ar/H, 3 electrodes Air, N2, N2/H, 1 standard heat shield, 1 torch guide spacer | 0558 004 030 |
|---|---------------------|

ESP 150 Deuce Pack delivery includes

Two ESP 150, cutting torch PT-26 with leather hose protection sleeve, consumables set, work piece cable 15.2 m, pressure regulator, gas & water hoses

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