DECLARATION OF CONFORMITY

According to

Type of equipment
Welding power source

Type designation etc.
Mig 5000i, Mig 5000iw, 400V from serial number 802 xxx xxxx (2008 w.2)
Mig 5000i, Mig 5000iw are members of the ESAB product family Aristo®

Brand name or trade mark
ESAB

Manufacturer or his authorised representative established within the EEA
Name, address, telephone No, telefax No:
ESAB AB
Esabvägen, SE-695 81 LAXÅ, Sweden
Phone: +46 584 81 000, Fax: +46 584 411 924

The following harmonised standard in force within the EEA has been used in the design:
EN 60974-1, Arc welding equipment – Part 1: Welding power sources
EN 60974-2, Arc welding equipment – Part 2: Liquid cooling systems
EN 60974-10, Arc welding equipment – Part 10: Electromagnetic compatibility (EMC) requirements

Additional information: Restrictive use, Class A equipment, intended for use in locations other than residential.
This welding power source may constitute part of the electrical installation of a machine.

By signing this document, the undersigned declares as manufacturer, or the manufacturer’s authorised representative established within the EEA, that the equipment in question complies with the safety requirements stated above.

Date
Laxå 2007-03-14

Signature

Position
Global Director
Equipment and Automation

Kent Eimbrodt
Clarification
1 SAFETY ................................................................. 4
2 INTRODUCTION .................................................. 6
  2.1 Equipment .................................................. 6
3 TECHNICAL DATA ............................................. 6
4 INSTALLATION .................................................. 8
  4.1 Lifting instructions ........................................ 8
  4.2 Placing ..................................................... 8
  4.3 Mains power supply ....................................... 8
  4.4 Terminating resistor ..................................... 9
  4.5 Connection of multiple wire feed units .............. 9
5 OPERATION ..................................................... 11
  5.1 Connections and control devices ...................... 11
  5.2 Turning on the power source ......................... 11
  5.3 Fan control .............................................. 12
  5.4 Overheating protection ................................ 12
  5.5 Cooling unit ........................................... 12
  5.6 Remote control unit ................................... 12
6 MAINTENANCE ................................................ 13
  6.1 Daily .................................................... 13
  6.2 If necessary ............................................ 13
  6.3 Every year .............................................. 14
7 FAULT TRACING ................................................. 14
8 ORDERING OF SPARE PARTS ............................ 14
DIAGRAM ............................................................ 16
ORDERING NUMBER ............................................. 19
SPARE PARTS LIST ............................................... 20
ACCESSORIES .................................................... 21
1 SAFETY

Users of ESAB equipment have the ultimate responsibility for ensuring that anyone who works on or near the equipment observes all the relevant safety precautions. Safety precautions must meet the requirements that apply to this type of equipment. The following recommendations should be observed in addition to the standard regulations that apply to the workplace.

All work must be carried out by trained personnel well-acquainted with the operation of the equipment. Incorrect operation of the equipment may lead to hazardous situations which can result in injury to the operator and damage to the equipment.

1. Anyone who uses the equipment must be familiar with:
   - its operation
   - location of emergency stops
   - its function
   - relevant safety precautions
   - welding and cutting

2. The operator must ensure that:
   - no unauthorised person is stationed within the working area of the equipment when it is started up.
   - no-one is unprotected when the arc is struck

3. The workplace must:
   - be suitable for the purpose
   - be free from drafts

4. Personal safety equipment
   - Always wear recommended personal safety equipment, such as safety glasses, flame-proof clothing, safety gloves.
   - Do not wear loose-fitting items, such as scarves, bracelets, rings, etc., which could become trapped or cause burns.

5. General precautions
   - Make sure the return cable is connected securely.
   - Work on high voltage equipment **may only be carried out by a qualified electrician**.
   - Appropriate fire extinguishing equipment must be clearly marked and close at hand.
   - Lubrication and maintenance must **not** be carried out on the equipment during operation.

**CAUTION**

This product is solely intended for arc welding.
WARNING

Arc welding and cutting can be injurious to yourself and others. Take precautions when welding and cutting. Ask for your employer's safety practices which should be based on manufacturers' hazard data.

ELECTRIC SHOCK - Can kill
- Install and earth the unit in accordance with applicable standards.
- Do not touch live electrical parts or electrodes with bare skin, wet gloves or wet clothing.
- Insulate yourself from earth and the workpiece.
- Ensure your working stance is safe.

FUMES AND GASES - Can be dangerous to health
- Keep your head out of the fumes.
- Use ventilation, extraction at the arc, or both, to take fumes and gases away from your breathing zone and the general area.

ARC RAYS - Can injure eyes and burn skin.
- Protect your eyes and body. Use the correct welding screen and filter lens and wear protective clothing.
- Protect bystanders with suitable screens or curtains.

FIRE HAZARD
- Sparks (spatter) can cause fire. Make sure therefore that there are no inflammable materials nearby.

NOISE - Excessive noise can damage hearing
- Protect your ears. Use earmuffs or other hearing protection.
- Warn bystanders of the risk.

MALFUNCTION - Call for expert assistance in the event of malfunction.

---

PROTECT YOURSELF AND OTHERS!

ESAB can provide you with all necessary welding protection and accessories.

WARNING

Do not use the power source for thawing frozen pipes.

CAUTION

Class A equipment is not intended for use in residential locations where the electrical power is provided by the public low-voltage supply system. There may be potential difficulties in ensuring electromagnetic compatibility of class A equipment in those locations, due to conducted as well as radiated disturbances.

CAUTION

Read and understand the instruction manual before installing or operating.
Dispose of electronic equipment at the recycling facility!
In observance of European Directive 2002/96/EC on Waste Electrical and Electronic Equipment and its implementation in accordance with national law, electrical and/or electronic equipment that has reached the end of its life must be disposed of at a recycling facility.
As the person responsible for the equipment, it is your responsibility to obtain information on approved collection stations.
For further information contact the nearest ESAB dealer.

2 INTRODUCTION

The **Mig 5000i** is a MIG/MAG welding power source, which can also be used for MMA welding.

There are two variants of the power source:

- Mig 5000i without cooling unit
- Mig 5000i with cooling unit.

**NB:** These instructions describe an Mig 5000i with a cooling unit.

The power source is intended for use with the Feed 3004 or Feed 4804 wire feed units.

All the settings are made from the wire feed unit or control box U8.

**ESAB's accessories for the product can be found on page 21.**

2.1 Equipment

The power source is supplied complete with terminating resistor, 5 m return cable and instruction manual.

3 TECHNICAL DATA

| Mig 5000i |
|-----------------|-----------------|
| **Mains voltage** | 400V, ± 10%, 3~ 50/60 Hz |
| **Mains supply** | S_{sc min} 2.8 MVA |
|                 | Z_{max} 0.21 Ω |
| **Primary current** | 36 A |
| I_{max MIG/MAG}  | 37 A |
| **No-load power** | 50 W |
| demand when in the energy-saving mode, 6.5 min. after welding |
| **Voltage/current range** | 8-60 V / 16-500 A |
| MIG/MAG | 8- 42 V |
| MIG/MAG, control panel M2 | 16- 500 A |
| **Permissible load at** | 500 A / 39 V |
| MIG/MAG | 100% duty cycle |
| | 400 A / 34 V |
| **Permissible load at** | 500 A / 40 V |
| MMA | 60 % duty cycle |
| | 400 A / 36 V |
| 100% duty cycle |
### Mig 5000i

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power factor</strong> at maximum current</td>
<td>0.91</td>
</tr>
<tr>
<td><strong>Efficiency</strong> at maximum current</td>
<td>87 %</td>
</tr>
<tr>
<td><strong>Open-circuit voltage $U_0$ max</strong></td>
<td></td>
</tr>
<tr>
<td>MIG/MAG without VRD function 1)</td>
<td>72 - 88 V</td>
</tr>
<tr>
<td>MMA without VRD function 1)</td>
<td>68 - 80 V</td>
</tr>
<tr>
<td>MIG/MAG, MMA, VRD function deactivated 2)</td>
<td>59 V</td>
</tr>
<tr>
<td>VRD function activated 2)</td>
<td>&lt; 35 V</td>
</tr>
<tr>
<td><strong>Operating temperature</strong></td>
<td>-10 to +40°C</td>
</tr>
<tr>
<td><strong>Transportation temperature</strong></td>
<td>-20 to +55°C</td>
</tr>
<tr>
<td><strong>Dimensions, lxwxh</strong> with cooling unit</td>
<td>625 x 394 x 496 mm</td>
</tr>
<tr>
<td>with cooling unit</td>
<td>625 x 394 x 776 mm</td>
</tr>
<tr>
<td><strong>Continual sound pressure at no-load</strong></td>
<td>&lt; 70 db (A)</td>
</tr>
<tr>
<td><strong>Weight</strong> with cooling unit</td>
<td>68 kg</td>
</tr>
<tr>
<td>with cooling unit</td>
<td>88 kg</td>
</tr>
<tr>
<td><strong>Insulation class</strong> transformer</td>
<td>H</td>
</tr>
<tr>
<td><strong>Enclosure class</strong></td>
<td>IP 23</td>
</tr>
<tr>
<td><strong>Application class</strong></td>
<td>S</td>
</tr>
</tbody>
</table>

1) Valid for power sources without VRD specification on the rating plate.
2) Valid for power sources with VRD specification on the rating plate. The VRD function is explained in the instruction manuals for the control panel, if the panel has that function.

**Duty cycle**

The duty cycle refers to the time as a percentage of a ten-minute period that you can weld or cut at a certain load without overloading. The duty cycle is valid for 40°C.

**Enclosure class**

The **IP** code indicates the enclosure class, i.e., the degree of protection against penetration by solid objects or water. Equipment marked **IP23** is designed for indoor and outdoor use.

**Application class**

The symbol [S] indicates that the power source is designed for use in areas with increased electrical hazard.

**Mains supply, $S_{sc \ min}$**

Minimum short circuit power on the network in accordance with IEC 61000-3-12.

**Mains supply, $Z_{max}$**

Maximum permissible line impedance of the network in accordance with IEC 61000-3-11.

<table>
<thead>
<tr>
<th><strong>Cooling unit</strong></th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cooling power</strong></td>
<td>2.0 kW at 40°C temp. difference and flow 1.0 l/min</td>
</tr>
<tr>
<td><strong>Coolant</strong></td>
<td>50% water / 50% mono-ethylen glycol</td>
</tr>
<tr>
<td><strong>Coolant quantity</strong></td>
<td>5.5 l</td>
</tr>
<tr>
<td><strong>Maximum water flow</strong></td>
<td>2.0 l/min</td>
</tr>
<tr>
<td><strong>Maximum number of water-cooled welding guns/torches that may be connected</strong></td>
<td>two MIG welding guns or one TIG torch and one MIG welding gun</td>
</tr>
</tbody>
</table>
4 INSTALLATION

The installation must be carried out by a professional.

Note

Mains supply requirements

High power equipment may, due to the primary current drawn from the mains supply, influence the power quality of the grid. Therefore connection restrictions or requirements regarding the maximum permissible mains impedance or the required minimum supply capacity at the interface point to the public grid may apply for some types of equipment (see technical data). In this case it is the responsibility of the installer or user of the equipment to ensure, by consultation with the distribution network operator if necessary, that the equipment may be connected.

4.1 Lifting instructions

<table>
<thead>
<tr>
<th>Power source</th>
<th>Trolley and power source</th>
<th>Trolley2 and power source</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Diagram" /></td>
<td><img src="image2.png" alt="Diagram" /></td>
<td><img src="image3.png" alt="Diagram" /></td>
</tr>
</tbody>
</table>

4.2 Placing

Position the welding power source such that its cooling air inlets and outlets are not obstructed.

4.3 Mains power supply

Check that the unit is connected to the correct mains power supply voltage, and that it is protected by the correct fuse sizes. A protective earth connection must be made, in accordance with regulations.

Rating plate with supply connection data
Recommended fuse sizes and minimum cable areas

<table>
<thead>
<tr>
<th>Mig 5000i</th>
<th>400 V 3~/ 50 Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mains voltage</td>
<td>400 V</td>
</tr>
<tr>
<td>Mains cable area, mm²</td>
<td>4G6</td>
</tr>
<tr>
<td>Phase current, I₁eff</td>
<td>27 A</td>
</tr>
<tr>
<td>Fuse</td>
<td></td>
</tr>
<tr>
<td>Anti-surge</td>
<td>25 A</td>
</tr>
<tr>
<td>Type C MCB</td>
<td>32 A</td>
</tr>
</tbody>
</table>

NB:
The mains cable areas and fuse sizes as shown above are in accordance with Swedish regulations. They may not be applicable in other countries: make sure that the cable area and fuse sizes comply with the relevant national regulations.

4.4 Terminating resistor

In order to avoid communication interference, the ends of the CAN bus must be fitted with terminating resistors. One end of the CAN bus is at the control panel, which has an integral terminating resistor. The other end at the power source must be fitted with the terminating resistor, as shown on the right.

4.5 Connection of multiple wire feed units

With control unit U8 and wire feed units without control panel it is possible to manage up to 4 wire feed units from one power source.

It is possible to choose between the following connections:

- 1 TIG-torch and 1 MIG-gun (Universal power source required)
- 2 MIG/MAG-guns
- 1 TIG-torch and 3 MIG/-guns (Universal power source required)
- 4 MIG/-guns

When welding with water-cooled MIG/-guns on all wire feed units, it is recommended to connect a separate cooling unit for the 2 extra guns. We recommend connecting the guns in parallel.
Two wire feed units
A connection kit is required when connecting two wire feed units, see accessories on page 21.

Four wire feed units
Two connection kits and an extra cooling unit are required when connecting four wire feed units, see accessories on page 21.
5 OPERATION

General safety regulations for handling the equipment can be found on page 4. Read through before you start using the equipment!

5.1 Connections and control devices

1. Connection for cooling water. **Not used on this model.**
2. Connection for cooling water. **Not used on this model.**
3. Cooling water filler
4. Connection for welding current cable (+) (MMA welding)
5. Connection for remote control
6. Connection for return cable (-)
7. Main power supply switch, 0 / 1 / START
8. White indicating lamp - Power supply ON
9. Orange indicating lamp - Overheating
10. Connection for control cable to the wire feed unit or for the terminating resistor
11. Connection for welding current to the wire feed unit
12. Connection for cooling water to the wire feed unit - BLUE
13. Connection for cooling water from the wire feed unit - RED
14. Fuse for supply voltage for feeder unit, 42 V

5.2 Turning on the power source

Turn on the mains power by turning switch (7) to the "START" position. Release the switch, and it will return to the "1" position.

If the mains power supply should be interrupted while welding is in progress, and then be restored, the power source will remain de-energised until the switch is again turned manually to the "START" position.

Turn the unit off by turning the switch to the "0" position.

Whether in the event of a loss of power supply or of turning the power source off in the normal manner, welding data will be stored so that it is available next time the unit is started.
5.3 Fan control
The power source fans continue to run for 6.5 minutes after welding has stopped, and the unit switches to energy-saving mode. They start again when welding restarts.

The fans run at reduced speed for welding currents up to 180 A, and at full speed for higher currents.

5.4 Overheating protection
The power source has three thermal overload trips which operate if the internal temperature becomes too high, interrupting the welding current and lighting the orange indicating lamp on the front of the unit. They reset automatically when the temperature has fallen.

5.5 Cooling unit
To ensure problem-free operation, the installation height from the cooling unit to the welding gun must be max. 7 m. Heights in excess of this can cause problems, such as long starting times, air bubbles, vacuums, etc.

If an installation height in excess of 7 m is required, we recommend an installation kit comprising a non-return valve and a solenoid valve, refer to accessories on page 21. Once these valves have been installed, the hose package must be horizontal during the initial startup so that everything fills with water. Then raise the wire feed unit and hose package to the high height. Continued safe operation at installation heights of up to 12 m can now commence.

Function when welding
To start welding, the welder presses the welding gun trigger switch. The power source turns on and starts the wire feed and the cooling water pump.

To stop welding, the welder releases the welding gun trigger switch. Welding ceases, but the cooling water pump continues to run for 6.5 minutes, after which the unit switches to energy-saving mode.

Water flow guard
The water flow guard interrupts the welding current in the event of loss of coolant, and displays an error message on the control panel. The water flow guard is an accessory.

5.6 Remote control unit
The program version in U8 should be 1.20 or higher. Machines with integral control panels should have program version 1.21 or higher, in order for the remote control to function correctly.

When the remote control unit is connected, the power source and wire feed unit are in remote control mode; the buttons and knobs are blocked. The functions can only be adjusted via the remote unit.

If the remote control unit is not to be used, the remote control unit must be disconnected from the power source / wire feed unit, as otherwise it will remain in remote control mode.

For more information about the operation of the remote control unit, see the operating instructions for the control panel.
6 MAINTENANCE

Regular maintenance is important for safe, reliable operation. Only personnel with the appropriate electrical skills (authorised electricians) may remove safety plates.

CAUTION

All guarantee undertakings from the supplier cease to apply if the customer attempts any work to rectify any faults in the product during the guarantee period.

6.1 Daily

Carry out the following maintenance every day.

- Check that all cables and connections are fault free. Tighten if necessary and replace any defective parts.
- Check the water level and water flow, top up with coolant if necessary.

6.2 If necessary

- Regularly check that the power source is not clogged with dirt.
  Clogged or blocked air inlets and outlets result in overheating
- Clean the dust filter
  - Remove the fan grille with the dust filter (1).
  - Swing out the grille (2).
  - Release the dust filter (3).
  - Blow the filter clean with compressed air (reduced pressure).
  - Replace the filter with the finer mesh on the side against the grille (2) (out from the power source).
  - Replace the fan grille with the dust filter.
- Top up with coolant
  ESAB's ready mixed coolant is recommended for use. See accessories on page 21.
  - Top up with coolant until it covers half the inlet pipe.

Note! Coolant must be topped up if connecting a welding torch or connection cables that are 5 meters in length or longer. When adjusting the water level by topping up, the coolant hose does not need to be disconnected.

CAUTION!

The coolant must be handled as chemical waste.
6.3 Every year

Carry out the following maintenance at least once a year.

- Clean off any dirt and dust. Blow the power source clean with dry compressed air (reduced pressure).
- Change the coolant and clean the hoses and water reservoir with clean water.
- Check seals, cables and connections. Tighten if necessary and replace any defective parts.

7 FAULT TRACING

Try these recommended checks and inspections before sending for an authorised service technician.

<table>
<thead>
<tr>
<th>Type of fault</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>No arc.</td>
<td>• Check that the mains power supply switch is turned on.</td>
</tr>
<tr>
<td></td>
<td>• Check that the welding current supply and return cables are correctly connected.</td>
</tr>
<tr>
<td></td>
<td>• Check that the correct current value is set.</td>
</tr>
<tr>
<td>Welding current is interrupted during welding</td>
<td>• Check whether the thermal overload trips have operated (indicated by the orange lamp on the front panel).</td>
</tr>
<tr>
<td></td>
<td>• Check the main power supply fuses.</td>
</tr>
<tr>
<td>The thermal overload trips operate frequently.</td>
<td>• Check to see whether the air filters are clogged.</td>
</tr>
<tr>
<td></td>
<td>• Make sure that you are not exceeding the rated data for the power source (i.e. that the unit is not being overloaded).</td>
</tr>
<tr>
<td>Poor welding performance.</td>
<td>• Check that the welding current supply and return cables are correctly connected.</td>
</tr>
<tr>
<td></td>
<td>• Check that the correct current value is set.</td>
</tr>
<tr>
<td></td>
<td>• Check that the correct wire is being used.</td>
</tr>
<tr>
<td></td>
<td>• Check the main power supply fuses.</td>
</tr>
</tbody>
</table>

8 ORDERING OF SPARE PARTS

Mig 5000i is designed and tested in accordance with the international and European standards IEC/EN 60974-1/-2 and EN 60974-10. It is the obligation of the service unit which has carried out the service or repair work to make sure that the product still conforms to the said standard.

Repair and electrical work should be performed by an authorised ESAB service technician. Use only ESAB original spare and wear parts.

Spare parts may be ordered through your nearest ESAB dealer, see the last page of this publication.
Cooling unit

5SL1 Flowguard

5S1

5M1 Pump

5C1

5ST1 Thermal switch

5C2

5XP18 9 pole

5XP17 4 pole

5E1 Flow/Fan

Vattnespårr: Flöde svakt
Water lock: Hose conn. circuit closed
### Mig 5000i

Order number

<table>
<thead>
<tr>
<th>Ordering no.</th>
<th>Denomination</th>
<th>Type</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>0459 230 880</td>
<td>Welding power source</td>
<td>Mig 5000i</td>
<td></td>
</tr>
<tr>
<td>0459 230 881</td>
<td>Welding power source</td>
<td>Mig 5000i</td>
<td>with cooling unit</td>
</tr>
<tr>
<td>0459 230 896</td>
<td>Welding power source</td>
<td>Mig 5000i</td>
<td>with cooling unit and flow guard</td>
</tr>
<tr>
<td>0459 839 018</td>
<td>Spare parts list</td>
<td>Mig 5000i</td>
<td></td>
</tr>
</tbody>
</table>

The spare parts list is available on the Internet at **www.esab.com**
**Spare parts list**

<table>
<thead>
<tr>
<th>Item</th>
<th>Ordering no.</th>
<th>Denomination</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0458 398 001</td>
<td>Filter</td>
</tr>
<tr>
<td>2</td>
<td>0458 383 991</td>
<td>Front grill</td>
</tr>
</tbody>
</table>

![Diagram of the Mig 5000i with parts labeled 1 and 2]
## Mig 5000i

### Accessories

<table>
<thead>
<tr>
<th>Item</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trolley</td>
<td>0458 530 880</td>
</tr>
<tr>
<td><strong>Trolley 2</strong> (for feeder with counterbalance device and/or 2 gas bottles)</td>
<td>0458 603 880</td>
</tr>
<tr>
<td>Guide pin</td>
<td>0458 731 880</td>
</tr>
<tr>
<td>Insulating bushing for guide pin, included in trolley</td>
<td>0278 300 401</td>
</tr>
<tr>
<td>Autotransformer TUA2</td>
<td>0459 145 880</td>
</tr>
</tbody>
</table>
### Mig 5000i

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Handle (1 piece) with mounting screws</td>
<td>. . . 0459 307 881</td>
<td></td>
</tr>
<tr>
<td>Remote control adapter RA12</td>
<td>12 pole . . . . 0459 491 910</td>
<td></td>
</tr>
<tr>
<td>Remote control unit MTA1 CAN</td>
<td>. . . . . . . . . . 0459 491 880</td>
<td></td>
</tr>
<tr>
<td>Remote control unit M1 10Prog CAN</td>
<td>. . . . . . . . 0459 491 882</td>
<td></td>
</tr>
<tr>
<td>Remote control unit AT1 CAN</td>
<td>. . . . . . . . . 0459 491 883</td>
<td></td>
</tr>
<tr>
<td>Remote control unit AT1 CF CAN</td>
<td>. . . . . . . . . . . 0459 491 884</td>
<td></td>
</tr>
</tbody>
</table>

- **Remote control adapter RA12**: For analogue remote controls to CAN based equipment.
- **Remote control unit M1 10Prog CAN**: Choice of on of 10 programs, MIG/MAG: voltage deviation, TIG and MMA: current deviation.
- **Remote control unit AT1 CAN**: MMA and TIG: current.
- **Remote control unit AT1 CF CAN**: MMA and TIG: rough and fine setting of current.
## Remote control cable 4 pole - 12 pole
- 0.25 m: 0459 554 884
- 5 m: 0459 554 880
- 10 m: 0459 554 881
- 15 m: 0459 554 882
- 25 m: 0459 554 883

## Remote cable CAN 4 pole - 10 pole
- 0.25 m: 0459 960 883
- 5 m: 0459 960 880
- 10 m: 0459 960 881
- 25 m: 0459 960 882
- 5 m, Heavy Duty: 0469 960 980
- 10 m, Heavy Duty: 0459 960 981
- 25 m, Heavy Duty: 0469 960 982

## Connection set CAN 12-12 pole
- 1.7 m: 0456 528 880
- 5 m: 0456 528 890
- 10 m: 0456 528 881
- 15 m: 0456 528 882
- 25 m: 0456 528 883
- 25 m: 0456 528 884

## Connection set water CAN 12-12 pole
- 1.7 m: 0456 528 885
- 5 m: 0456 528 895
- 10 m: 0456 528 886
- 15 m: 0456 528 887
- 25 m: 0456 528 888
- 35 m: 0456 528 889

## Connection set water CAN 12-10 pole
- 1.7 m: 0459 528 970
- 5 m: 0459 528 971
- 10 m: 0459 528 972
- 15 m: 0459 528 973
- 25 m: 0459 528 974
- 35 m: 0459 528 975

## Return cable
- 5 m, 95 mm²: 0700 006 897

## Water flow guard
- 0.7 l/min: 0456 855 880
### Water return flow guard Mech
7 m
0461 203 880

### MMC kit for power source Mig
0459 579 880

### Connection set
for connection of two wire feed units
0459 546 880

### Cooling unit OCE2H
0414 191 881

### Coolant (Ready mixed) 50% water and 50% ethylene glycol (10 l)
0007 810 012
ESAB subsidiaries and representative offices

Europe

AUSTRIA
ESAB Ges.m.b.H
Vienna-Liesing
Tel: +43 1 888 25 11
Fax: +43 1 888 25 11 85

BELGIUM
S.A. ESAB N.V.
Brussels
Tel: +32 2 745 11 00
Fax: +32 2 745 11 28

BULGARIA
ESAB Kft Representative Office
Sofia
Tel/Fax: +359 2 974 42 88

THE CZECH REPUBLIC
ESAB VAMBERK s.r.o.
Vamberk
Tel: +420 2 819 40 885
Fax: +420 2 819 40 120

DENMARK
Aktieselskabet ESAB
Herlev
Tel: +45 36 30 01 11
Fax: +45 36 30 40 03

FINLAND
ESAB Oy
Helsinki
Tel: +358 9 547 761
Fax: +358 9 547 77 71

FRANCE
ESAB France S.A.
Cergy Pontoise
Tel: +33 1 30 75 55 00
Fax: +33 1 30 75 55 24

GERMANY
ESAB GmbH
Sulingen
Tel: +49 212 298 0
Fax: +49 212 298 218

GREAT BRITAIN
ESAB Group (UK) Ltd
Waltham Cross
Tel: +44 1992 76 85 15
Fax: +44 1992 71 58 03

ESAB Automation Ltd
Andover
Tel: +44 1264 33 22 33
Fax: +44 1264 33 20 74

HUNGARY
ESAB Kft
Budapest
Tel: +36 1 20 44 182
Fax: +36 1 20 44 186

ITALY
ESAB Saldata S.p.A.
Bareggio (MI)
Tel: +39 02 97 96 8 1
Fax: +39 02 97 96 87 01

THE NETHERLANDS
ESAB Nederland B.V.
Amersfoort
Tel: +31 33 422 35 55
Fax: +31 33 422 35 44

NORWAY
AS ESAB
Larvik
Tel: +47 33 12 10 00
Fax: +47 33 11 52 03

POLAND
ESAB Sp.zo.o.
Katowice
Tel: +48 32 351 11 00
Fax: +48 32 351 11 20

PORTUGAL
ESAB Lda
Lisbon
Tel: +351 8 310 960
Fax: +351 8 359 12 77

ROMANIA
ESAB Romania Trading SRL
Bucharest
Tel: +40 316 900 600
Fax: +40 316 900 801

RUSSIA
LLC ESAB
Moscow
Tel: +7 (495) 663 20 08
Fax: +7 (495) 663 20 09

SLOVAKIA
ESAB Slovakia s.r.o.
Bratislava
Tel: +421 7 44 88 24 26
Fax: +421 7 44 88 87 41

SPAIN
ESAB Ibérica S.A.
Alcalá de Henares (MADRID)
Tel: +34 91 878 3600
Fax: +34 91 802 3461

SWEDEN
ESAB Sverige AB
Gothenburg
Tel: +46 31 50 95 00
Fax: +46 31 50 92 22

SWITZERLAND
ESAB AG
Dietikon
Tel: +41 1 741 25 25
Fax: +41 1 740 30 55

UKRAINE
ESAB Ukraine LLC
Kiev
Tel: +38 (044) 501 23 24
Fax: +38 (044) 575 21 88

North and South America

ARGENTINA
CONARCO
Buenos Aires
Tel: +54 11 4 753 4039
Fax: +54 11 4 753 6313

BRAZIL
ESAB S.A.
Contagem-MG
Tel: +55 31 2191 4333
Fax: +55 31 2191 4440

CANADA
ESAB Group Canada Inc.
Mississauga, Ontario
Tel: +1 905 670 02 20
Fax: +1 905 670 48 79

MEXICO
ESAB Mexico S.A.
Monterrey
Tel: +52 8 350 5959
Fax: +52 8 350 7564

USA
ESAB Welding & Cutting Products
Florence, SC
Tel: +1 843 669 44 11
Fax: +1 843 664 57 48

Asia/Pacific

CHINA
Shanghai ESAB A/P
Shanghai
Tel: +86 21 2326 3000
Fax: +86 21 6566 6622

INDIA
ESAB India Ltd
Calcutta
Tel: +91 33 478 45 17
Fax: +91 33 468 18 80

INDONESIA
PT. ESABindo Pratama
Jakarta
Tel: +62 21 461 2929
Fax: +62 21 461 2929

JAPAN
ESAB Japan
Tokyo
Tel: +81 45 670 7073
Fax: +81 45 670 7001

MALAYSIA
ESAB (Malaysia) Snd Bhd
USJ
Tel: +603 8023 7835
Fax: +603 8023 0225

SINGAPORE
ESAB Asia/Pacific Pte Ltd
Singapore
Tel: +65 6861 43 22
Fax: +65 6861 31 95

SOUTH KOREA
ESAB SeAH Corporation
Kyungnam
Tel: +82 55 269 8170
Fax: +82 55 289 8864

UNITED ARAB EMIRATES
ESAB Middle East FZE
Dubai
Tel: +971 4 887 21 11
Fax: +971 4 887 22 63

Africa

EGYPT
ESAB Egypt
Dokki-Cairo
Tel: +20 2 390 96 69
Fax: +20 2 393 32 13

SOUTH AFRICA
ESAB Africa Welding & Cutting Ltd
Durbanville 7570 - Cape Town
Tel: +27 (0)21 975 8924

Distributors
For addresses and phone numbers to our distributors in other countries, please visit our home page
www.esab.com