

Welding package

- Railtrac FW 1000, power source, wire feed unit, welding gun, alu-rail, stiffener bar and cables

A modular system with unlimited possibilities!

The Railtrac FW 1000 consists of a powerful tractor, weaving unit, universal torch holder, programming box and a user friendly remote control unit.

The programming box consists of two sections
 - one for setting of up to five individual programs
 - one for controlling the weaving unit

The remote control unit is robust and has two potentiometers for adjustment of voltage and wire feed speed during welding as well as the possibility to choose welding program suitable for the welding position.

Interval and backfill functions are standard.

The length of the aluminium rail is 2.5 m and can be used stiff or flexible. The aluminium rail is delivered with magnetic attachment

In combination with ESAB's semi-automatic Origo™ power sources, Origo™ wire feed units and PSF™ welding guns you have a superb welding automat.



Applications

- Welding in all positions
- Curved welding in spherical objects by using a flexible alu-rail
- Efficient fillet welding in vertical position

Productivity example

Manual MIG/MAG compared with Mechanized MIG/MAG

- **Vertical welding 60°, V-joint, T=10 mm**
- **Weight of weld metal:** 0.76 kg/m
- **Filler material:** OK 15.14, Ø 1.2 mm, mixed gas Ar+CO₂
- **Parameters**
 - manual welding: 180A, 25 V = 2.8 kg/hour
 - mechanized welding: 200A, 26V = 3.6 kg/hour
- **Welding length**
 - manual welding: 3.7 m/hour
 - mechanized welding: 4.7 m/hour
- **Arc time factor manual welding:** 20%
 - gives a welding length of 0.74 m/hour
- **Arc time factor mechanized welding:** 50%
 - gives a welding length of 2.35 m/hour

Increase in productivity: 217 %

Technical data

For technical data we refer to resp fact sheet:

Railtrac 1000	XA00135520
Origo™ Mig 402c	XA00134520
Origo™ Feed 304, M13	XA00135420
Welding gun PSF™ 405	XA00100020



RTU – packages, part number information:

Air-cooled

Package contents	Ordering number 0461 179 880	Ordering number 0461 180 880
Railtrac FW 1000	1	1
Flexible alu-rail, 2.5 m with magnets	1	1
Stiffener bar, 2.5 m	1	1
Origo™ Mig 402c	1	1
Origo™ Feed 304, M13 incl. V/A meters, Encl, Amp 19	1	1
Wheel kit	1	1
PSF™ 405, Hose length 4.5 m	1	1
Control cable Railtrac FW 1000 – Origo™ Feed 304, 5 m	1	1
Connection cable Origo™ Mig 402c – Origo™ Feed 304	15 m	
Connection cable Origo™ Mig 402c – Origo™ Feed 304		35 m

Water-cooled

Package contents	Ordering number 0461 179 881	Ordering number 0461 180 881
Railtrac FW 1000	1	1
Flexible alu-rail, 2.5 m with magnets	1	1
Stiffener bar, 2.5 m	1	1
Origo™ Mig 402cw	1	1
Origo™ Feed 304w, M13 incl. V/A meters, Encl, Amp 19	1	1
Wheel kit	1	1
PSF™ 410w, Hose length 4.5 m	1	1
Control cable Railtrac FW 1000 – Origo™ Feed 304w, 5 m	1	1
Connection cable Origo™ Mig 402cw – Origo™ Feed 304w	15 m	
Connection cable Origo™ Mig 402cw – Origo™ Feed 304w		35 m

Accessories, Spare parts and Wear parts are handled in separate documentation

Sender (Dealer distributor)

