



DELTA 630



Machine body



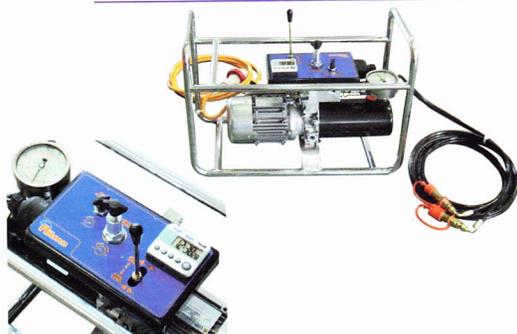
Tool kit



Heating plate



Milling cutter



DELTA 630 Hydraulic gearcase



DELTA 630

This is a self-aligning machine, suitable for welding ducts for the transport of water, gas and other fluids under high pressure, up to Ø630 mm. The **DELTA 630** was designed in accordance to the Italian and international correspondent standards (UNI 10565, ISO 12176-1), and consists of:

- **Machine body** with a bearing frame, four clamps and two hydraulic thrust cylinders with non-drip quick couplings;
- Extractable **heating plate** with separate thermometer for reading the working temperature;
- Extractable electrically controlled **milling cutter** for levelling the ends of the pipe and/or fitting, with a safety microswitch and overload cutout;
- **Electrohydraulic gearcase** with a *clamp opening and closing lever*, maximum pressure and discharge *valves* (useful also during the "Dual Pressure" welding), *hydraulic hoses* with non-drip quick couplings, a *timer* (for the heating and welding phases), an extractable *electrical panel* with power outlet for the heating plate, an electronic thermoregulator for the control of the working temperature, a differential circuit breaker, and a special connection for the electronic data-logger INSPECTOR;
- Milling cutter/heating plate **support**.

The **DELTA 630** can weld fittings such as **bends, tees, branches** and **flange necks**. This is possible because the 3rd clamp can be anchored to the 1st and 2nd (movable) and slide along with the pipe. The fitting must be locked in the 4th clamp. Necks with a highly reduced tang can be welded with the help of a **special tool** (on request), applied to the clamps.

SUPPLIED WITH

- **Machine body** with a tool kit;
- **TP DELTA 630 TE plate**;
- **Milling cutter**;
- **Electrohydraulic gearcase**;
- **Electric panel for Heating plate**;
- **Milling cutter/heating plate support**.

ON REQUEST (ACCESSORIES)

- Clamps **adapters** Ø 355, 400, 450, 500, 560 mm (8 pieces/Ø) [*Ø supplied singly*];
- **Tool for flange necks**;
- **Special transport wooden case** (DELTA 630 only);
- **Special transport wooden case** (machine body with trolley);
- **Special transport wooden case** (heating plate, milling cutter, milling cutter/heating plate support, and electrohydraulic gearcase);
- **Wooden case for adapters**;
- **Machine body trolley**;
- **INSPECTOR data-logger** (see page 49).

TECHNICAL FEATURES

Working range	355 ÷ 630 mm
Power supply	400 V-Three-phase+N-50/60 Hz
Power absorbed by the TP	8100 W
Power absorbed by the milling cutter	1840 W
Power absorbed by the gearcase	1472 W
Total absorbed power	11412 W
Working temperature	180 ÷ 280°C (A)
Outside temperature range	-5 ÷ +40°C
Time to reach welding temperature	~ 35 min.
Overall cylinder section	43,982cm ²
Pressure working range	0 ÷ 140 bar
(A) Materials	PE, PP, PVDF

DIMENSIONS (W x D x H)	
Machine body	1555 x 1010 x 990 mm
Heating plate (TP)	1160 x 70 x 995 mm
Milling cutter	850 x 280 x 1200 mm
Electrohydraulic gearcase with electrical panel	915 x 400 x 490 mm W: 700 mm without electrical panel
Electrical panel with support	340 x 400 x 300 mm
Milling cutter/heating plate support	870 x 970 x 700 mm
Tool for flange necks	840 x 270 x 840 mm
Special transport wooden case (DELTA 630 only)	1650 x 1850 x 1400 mm
Special transport wooden case (machine body with trolley)	1670 x 1170 x 1095 mm
Special transport wooden case (heating plate + milling cutter + milling cutter/heating plate support + gearcase)	1520 x 650 x 1395 mm
Wooden case for adapters	1400 x 700 x 1050 mm
Machine body trolley	2080 x 1360 x 520 mm
INSPECTOR data-logger	See page 49

WEIGHT	
Machine body	297,00 Kg
Heating plate	43,00 Kg
Milling cutter	143,00 Kg
Electrohydraulic gearcase with electrical panel	50,00 Kg
Electrical panel with support	10,00 Kg
Milling cutter/heating plate support	40,00 Kg
Total (Delta 630 only)	573,00 Kg
Tool for flange necks	64,00 Kg
Special transport wooden case (DELTA 630 only)	~ 140,00 Kg
Special transport wooden case (machine body with trolley)	~ 100,00 Kg
Special transport wooden case (heating plate + milling cutter + milling cutter/heating plate support + gearcase)	~ 100,00 Kg
Wooden case for adapters	68,00 Kg
Machine body trolley	87,00 Kg
INSPECTOR data-logger	See page 49

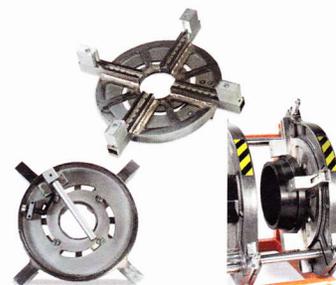
Weight (Kg) clamp adapters (8 pieces/Ø)				
Ø 355	Ø 400	Ø 450	Ø 500	Ø 560
67,50	62,00	58,00	53,00	42,00
Total weight: 282,5 Kg				



Milling cutter/heating plate support



Adapters



Tool for flange necks



Special transport wooden cases



Machine body trolley



Wooden case for adapters