



DELTA 160



Machine body



Tool kit



Heating plate



Milling cutter



Electrohydraulic gearcase

## DELTA DRAGON 160

This is a self-aligning machine, suitable for welding ducts for the transport of water, gas and other fluids under high pressure, up to  $\varnothing$  160 mm. The **DELTA DRAGON 160** 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 and a precise and reliable electronic thermoregulator inside an protective aluminium box;
- Extractable electrically controlled **milling cutter** for levelling the ends of the pipe and/or fitting, with a safety microswitch and a motor protection fuse;
- **Electrohydraulic gearcase** inside a plastic box which can resist to impacts and corrosive agents, with a clamp opening and closing lever, maximum pressure and discharge valves (useful also during the "Dual Pressure" weldings), a timer (for the heating and welding phases). It is connectable to the electronic data-logger INSPECTOR;
- **hydraulic hoses** with double non-drip quick couplings to connect the gearcase with the body machine,
- Milling cutter/heating plate **support** equipped with a protective cloth, high temperatures proof which avoids scratches on the heating plate.

The **DELTA DRAGON 160** can weld fittings without the need for any additional equipment: **bends, tees, branches** and **flange necks** can be welded by simply taking the fourth clamp off the machine body's frame. Available in 110V and 230V.

### SUPPLIED WITH

- **Machine body** with a tool kit;
- **TP DELTA DRAGON 160 TE plate**;
- **Milling cutter**;
- **DELTA DRAGON electrohydraulic gearcase**;
- **Milling cutter/heating plate support**.

### ON REQUEST (ACCESSORIES)

- Clamps **adapters**  $\varnothing$ 40, 50, 56, 63, 75, 90, 110, 125, 140 mm (8 Pieces/ $\varnothing$ ) [ $\varnothing$  supplied singly];
- Wooden **case for adapters**;
- **INSPECTOR data-logger** (see page 49);
- **EASY LIFE special electrohydraulic gearcase** (see page 48).

## TECHNICAL FEATURES

Working range	40 ÷ 160 mm	
Power supply	110 V	230 V
	Single phase - 50/60 Hz	
Power absorbed by the TP	1000 W	800 W
Power absorbed by the milling cutter	450 W	710 W
Power absorbed by the gearcase	370W	370 W
<b>Total absorbed power</b>	<b>1820 W</b>	<b>1880 W</b>
Working temperature	180 ÷ 280°C (*)	
Ambient temperature	-5 ÷ +40°C	
Time to reach welding temperature	< 20 min.	
Overall cylinder section	2,498 cm <sup>2</sup>	
Pressure working range	0 ÷ 150 bar	
(*) Materials	PE, PP, PB, PVDF	

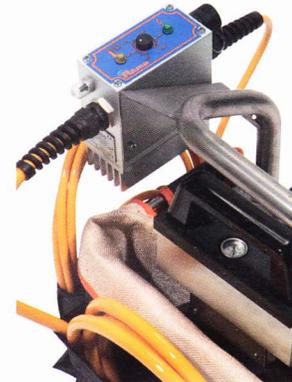
DIMENSIONS (W x D x H)	
Machine body	600 x 400 x 410 mm
Heating plate (TP)	350 x 50 x 450 mm
Milling cutter	430 x 330 x 80 mm
Electrohydraulic gearcase	535 x 315 x 435 mm
Milling cutter/heating plate support	300 x 370 x 440 mm
Wooden case for adapters	400 x 420 x 260 mm
INSPECTOR data-logger	See page 49

WEIGHT	
Machine body	27,00 Kg
Heating plate (TP)	3,60 Kg
Milling cutter	7,50 Kg
Electrohydraulic gearcase	26,00 Kg
Milling cutter/heating plate support	3,50 Kg
<b>Total (Delta 160 only)</b>	<b>67,60 Kg</b>
Wooden case for adapters	6,00 Kg
INSPECTOR data-logger	See page 49

Weight (Kg) clamp adapters (8 pieces/Ø)								
Ø 40	Ø 50	Ø 56	Ø 63	Ø 75	Ø 90	Ø 110	Ø 125	Ø 140
2,90	2,80	2,70	2,60	2,50	2,30	2,10	1,80	1,50
<b>Total weight: 21,20 Kg</b>								



Milling cutter / Heating plate support



Thermoregulator box



Adapter



Control panel