



DELTA 315



Machine body



Tool kit



Heating plate



Milling cutter



Electrohydraulic gearcase

## DELTA 315

This is a self-aligning machine, suitable for welding ducts for the transport of water, gas and other fluids under high pressure, up to  $\varnothing$  315 mm. The **DELTA DRAGON 315** 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 315** 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. Necks with a highly reduced tang can be welded with the help of a **special tool** (on request), applied to the clamps. Available in 110V and 230V.

### SUPPLIED WITH

- **Machine body with a tool kit;**
- **TP DELTA 315 TE plate;**
- **Milling cutter;**
- **Electrohydraulic gearcase;**
- **Milling cutter/heating plate support.**

### ON REQUEST (ACCESSORIES)

- Clamps **adapters**  $\varnothing$  90, 110, 125, 140, 160, 180, 200, 225, 250, 280 mm (8 pieces/ $\varnothing$ ) [ $\varnothing$  supplied singly];
- **Tool for flange necks;**
- Wooden **case for adapters;**
- **INSPECTOR data-logger** (see page 49);
- **EASY LIFE special electrohydraulic gearcase** (see page 48).

## TECHNICAL FEATURES

Working range	90 ÷ 315 mm	
Power supply	110 V	230 V
	Single phase - 50/60 Hz	
Power absorbed by the TP	2500 W	3000 W
Power absorbed by the milling cutter	740 W	1050 W
Power absorbed by the gearcase	370 W	370 W
<b>Total absorbed power</b>	<b>3610 W</b>	<b>4420 W</b>
Working temperature	180 ÷ 280°C (^)	
Outside temperature range	-5 ÷ +40°C	
Time to reach welding temperature	< 20 min.	
Overall cylinder section	5,890 cm <sup>2</sup>	
Pressure working range	0 ÷ 150 bar	
(^) Materials	PE, PP, PB, PVDF	

DIMENSIONS (W x D x H)	
Machine body	1090 x 620 x 590 mm
Heating plate (TP)	470 x 50 x 600 mm
Milling cutter	600 x 460 x 390 mm
Electrohydraulic gearcase	535 x 315 x 435 mm
Milling cutter/heating plate support	590 x 315 x 650 mm
Tool for flange necks	400 x 190 x 535 mm
Wooden case for adapters	1200 x 440 x 770 mm
INSPECTOR data-logger	See page 49

WEIGHT	
Machine body	100,00 Kg
Heating plate (TP)	13,00 Kg
Milling cutter	21,00 Kg
Electrohydraulic gearcase	26,00 Kg
Milling cutter/heating plate support	16,00 Kg
<b>Total (Delta 315 only)</b>	<b>176,00 Kg</b>
Tool for flange necks	12,00 Kg
Wooden case for adapters	33,00 Kg
INSPECTOR data-logger	See page 49

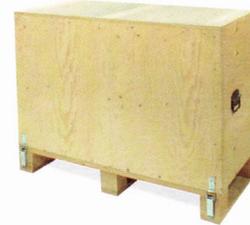
Weight (Kg) clamp adapters (8 pieces/Ø)										
Ø 90	Ø 110	Ø 125	Ø 140	Ø 160	Ø 180	Ø 200	Ø 225	Ø 250	Ø 280	
16,00	15,50	15,00	14,50	14,00	13,30	12,50	11,50	10,50	9,00	
<b>Total weight: 131,80 Kg</b>										



Milling cutter/heating plate support



Adapters



Wooden case for adapters



Thermoregulator box



Tool for flange necks



Control panel