

# PRODUCTS CATALOGUE

"AT EASE IN YOUR CONSTRUCTION SITE"

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# ALFA 400 MANUAL

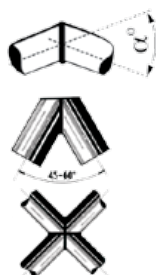
Workshop welding machine designed to fabricate fittings like elbows, tees, crosses and wyes up to Ø 400 mm, by joining pipe segments, with the help of special jaws.

## STANDARD COMPOSITION:

- A machine body with two carriages, one of which driven by a hydraulic system, upper cylinder and tools kit
- A manual hydraulic control panel for the welding cycle
- A milling cutter for levelling the ends of the pipes and/or fittings with built-in overload cutout and safety microswitch
- A Teflon-coated heating plate, power supply 230 V or 400 V 50/60 Hz
- Right and left elbows clamps Ø 400 mm with steel inserts from Ø 90 mm to 355 mm

## ON REQUEST

- Elbows clamps Ø 16" IPS;  
inserts Ø 4" ÷ 14" IPS; Ø 4" ÷ 14" DIPS
- Tees/crosses clamps Ø 315 mm; inserts Ø 90 ÷ Ø 280 mm
- Tees/crosses clamps Ø 12" IPS;  
inserts Ø 4" ÷ 10" IPS; Ø 4" ÷ 10" DIPS
- Wyes clamps Ø 315 mm; inserts Ø 90 ÷ Ø 280 mm
- Wyes clamps Ø 12" IPS;  
inserts Ø 4" ÷ 10" IPS; Ø 4" ÷ 10" DIPS
- Right or left special clamps Ø 400; inserts Ø 90 ÷ Ø 355 mm
- Tool for flange necks
- Facer disk for PVC
- THE INSPECTOR Data-logging and cables



**Elbows 90 ÷ 400 mm**  
4" ÷ 16" IPS; 4" ÷ 14" DIPS  
0° ÷ 45°

**Wyes 90 ÷ 315 mm**  
4" ÷ 12" IPS; 4" ÷ 10" DIPS  
45° ÷ 60°

**Tees/Crosses**  
90 ÷ 315 mm  
4" ÷ 12" IPS; 4" ÷ 10" DIPS


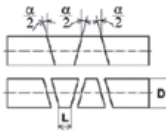
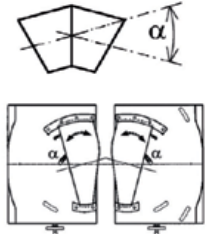

## TECHNICAL FEATURES

Materials	HDPE, PP For other materials contact RITMO S.P.A.
Power supply	230 V Single Phase 50/60 Hz 400 V Three Phase 50/60 Hz
Total absorbed power	7400 W
Working temperature	180° ÷ 280° C (356° ÷ 536° F)
Outside temperature range	-5° ÷ 40° C (23° ÷ 104° F)
Weight standard composition	647 Kg (1426 lb)
Dimensions	1490 x 2020 x 1700 mm 58.6" x 79.5" x 67"


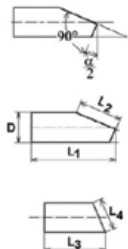

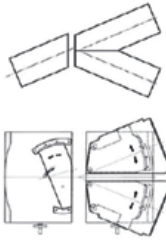



# HOW TO FABRICATE A SPECIAL FITTING


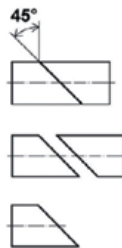
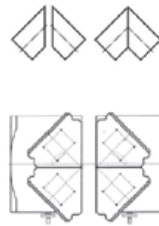


## ELBOWS

	Cut	Welding	
			


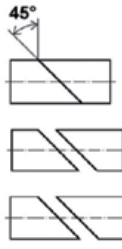
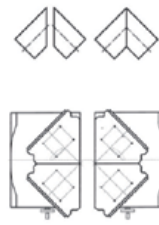
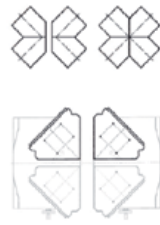

## WYES (Y)

	Cut	Welding 1 <sup>st</sup> stage	Welding 2 <sup>nd</sup> stage	
				

## TEES

	Cut	Welding 1 <sup>st</sup> stage	Welding 2 <sup>nd</sup> stage	
				

## CROSSES

	Cut	Welding 1 <sup>st</sup> stage	Welding 2 <sup>nd</sup> stage	
				

# ADVANTAGE RITMO



## **RITMO WORLDWIDE**

Ritmo has professional distributors and resellers all over the world. Our staff is ready to assist you in English, Spanish, French, German, Arab, Italian, Russian and Portuguese.

## **TRAINING**

From many years now, we have decided that the best way to grant a client/distributor a perfect knowledge of our products is to invest in custom training, in our own premises. These courses are aimed to teach how to operate the products in the best way, and how to supply the "first aid" when necessary.

## **PRESALES TECHNICAL ASSISTANCE**

When a client or a potential client wants to buy us a product, it is our standard procedure to help find the best solution to its needs.

## **GLOBAL ADVICE**

In such a technical field as ours, the customer requires the best assistance. Thanks to the experience developed along the years, and to the co-operation with several manufacturers, institutions, schools and training institutes, RITMO is able to give the most comprehensive advice to no matter which related issue. Our company is a long-time member of a UNIPLAST's (UNI-Italian National Plastics Standards Body) working group dedicated to the study and draw up of new standards within our field. The importance of this group is linked to the fact that the expansion of the plastic welding field ought to be followed by a crescent sensitivity for safety issues, so to have a sustainable and continuous growth. The working group prepares draws, hence present them to the UNI to be discussed and eventually transformed into new standards.

## **AFTER SALES TECHNICAL ASSISTANCE**

Ritmo's Service Centre can solve all kind of technical issues, as well as overhaul our machines. Ritmo has other Service Centres abroad, linked to its official distributors.

## **STARTING AND TESTING**

RITMO' technicians are prepared to make the starting and testing of workshop machines at the client' own premises, so that the fittings production can start almost immediately.

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