

PRODUCTS CATALOGUE

"AT EASE IN YOUR CONSTRUCTION SITE"

www.ritmo.it



Meets all your welding needs on the jobsite



The information and photos in this publication are not binding and RITMO S.P.A. is free to make any alterations without prior notice.



About us

Starting from a small workshop in the province of Padua in 1979, with a lathe and a milling machine but with many ideas and passion, Renzo Bortoli shaped and brought to life what, year after year, became RITMO SPA: an internationally recognized company in the field of welding machines for plastic pipes and sheets.

Today, Ritmo continues to produce entirely in Italy, in Teolo, maintaining the spirit of a "Family Company," where professionals and skilled individuals passionately continue to offer their expertise to provide products that make a difference when used on-site.

Mission

A Ritmo product is not bought, it is chosen. Our mission is to transform challenges into solutions with innovation and adaptability, crafting machines that create strong connections and build trust, one weld at a time.



Rossella Contiero - CEO



Renzo Bortoli - Founder

165
COUNTRIES
where RITMO
has been supplying
products

OVER 100
PRODUCTS
ON CATALOG

MADE
IN **ITALY**

90%
EXPORT

+ 80%
GROWTH
2014 - 2023



UNIVERSAL ALIGNER 63

This professional tool is essential to hold pipes still and aligned during electrofusion. The UNIVERSAL ALIGNER 63 is made almost entirely in a special alloy and features a central joint for the fixed positions at 45° and 90°, four self-centring clamps that require no adapters. The possibility to remove one part of the axis that carries the clamps and one clamp it self, allows the use of tapping tees during the fusion.

STANDARD COMPOSITION:

- Aligner complete with four clamps, service spanner and transport bag



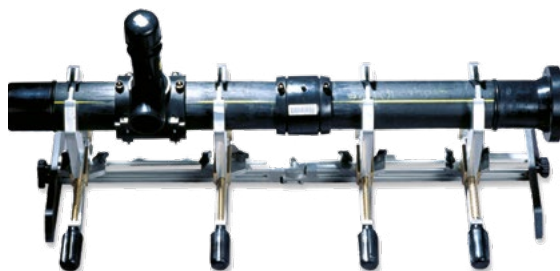
TECHNICAL FEATURES



Working range	Ø 20 ÷ 63 mm (1/2" IPS ÷ 2" IPS)
Max Dimensions	straight 600 x 160 x 116 mm 22.6" x 6.3" x 4.6"
Transport bag	440 x 190 x 140 mm; 17.3" x 7.5" x 5.5"
Weight aligner	3,40 Kg (7,5 lb)
Weight transport bag	0,50 Kg (1.1 lb)
Weight standard composition	3,90 Kg (8.6 lb)

UNIVERSAL ALIGNER 160 LIGHT

This professional tool is essential to hold pipes still and aligned during electrofusion from Ø 63 to Ø 160 mm; (2" IPS ÷ 6" IPS). The UNIVERSAL ALIGNER 160 Light is made almost entirely in a special alloy and features a central joint for the fixed positions at 45° and 90°, four self-centring clamps that require no adapters, and on request an additional axle complete with two clamps for welding the tees. Its special quick release clamps grants a rapid extraction of the pipe once it has been welded.



STANDARD COMPOSITION:

- Aligner complete with four clamps, transport bag or wooden transport case

ON REQUEST:

- A 3rd axle complete with two clamps (for welding "Tees")

TECHNICAL FEATURES

Working range	Ø 63 ÷ 160 mm; 2" IPS ÷ 6" IPS
Max Dimensions	straight 980 x 430 x 260 mm 38.5" x 16.9" x 10.2"
Weight aligner	9 Kg (19.8 lb)
Weight transport bag	1,50 Kg (3.3 lb)
Weight transport case	14 Kg (30.8 lb)

ALIGNER ECO 20 - 63

ALIGNER ECO 20-63 is an essential and professional tool for the alignment and support of pipes during electrofusion.

ALIGNER ECO 20-63 is composed by two aluminum axes on which are mounted self-centering clamps made of steel. The clamps, can easily slide through the entire length of the axes. A positioning plate allows to perform welds in line, 30 °, 45 °, 90 ° and T-branches in diameters between 20 ÷ 63 mm (½" IPS ÷ 2" IPS).

The fixing of the pipes is done via cable ties (supplied) with fastener and quick release. The aligner is versatile and easy to use.



ITALY SMALL PATENTED APPLICATION
N° 202015000029036

TECHNICAL FEATURES

Working range	Ø 20 ÷ 63 mm ½" IPS ÷ 2" IPS
Max Dimensions	640 x 120 x 83 mm; 25.2" x 4.7" x 3.3"
Weight aligner	3 Kg (6.6 lb)

ALIGNER ECO 63 - 180

ALIGNER ECO 63-180 is an essential and professional tool for the alignment and support of pipes during electrofusion from Ø 63 mm to 180 mm (2" IPS ÷ 6" DIPS).

The ALIGNER is entirely made of steel, featuring a central adjustable joint and pipe fastening clamps fixed on axes. The adjustable joint can be set on 4 different working positions to allow welding at preset angles such as 30°, 45°, 90°, "in line" and T welding.

Axes have V-shaped clamps positioned on them, which are equipped with pipe fastening belts. The system, along with fixing the pipe to the clamp, serves also as a centering device. Each axis has 2 guides on which the clamps are able to slide.

Practical side handles ensure an easy grip during movement and positioning, both during welding procedures, and preparation.

The aligner is available in two configurations: 2 axes and 3 axes (to weld T fittings).



TECHNICAL FEATURES

Working range	Ø 63 ÷ 180 mm; 2" IPS ÷ 6" DIPS
Max Dimensions 2 axes version	915 x 140 x 130 mm 36" x 5.5" x 5.1"
3 axes version	915 x 575 x 130 mm 36" x 22.6" x 5.1"
Weight 2 axes version	7,5 Kg (16.5 lb)
Weight 3 axes version	10 Kg (22 lb)

ALIGNER 125 - 500

ALIGNER 125 - 500 is an essential and professional tool for the alignment and support of pipes during electrofusion from Ø 125 mm to 500 mm (4" IPS ÷ 20" IPS)

The ALIGNER is entirely made of steel, featuring a central adjustable joint and pipe fastening clamps fixed on axes. The adjustable joint can be set on 4 different working positions to allow welding at preset angles such as 45°, 90°, "in line" and T welding. Axes have V-shaped clamps positioned on them, which are equipped with pipe fastening belts. The system, along with fixing the pipe to the clamp, serves also as a centering device. Each axis has 2 guides on which the clamps are able to slide.

Practical side handles ensure an easy grip during movement and positioning, both during welding procedures, and preparation.

The aligner is available in two configurations: 2 axes and 3 axes (to weld T fittings).



TECHNICAL FEATURES

Working range	Ø 125 ÷ 500 mm; 4" IPS ÷ 20" IPS
Max Dimensions 2 axes version	1815 x 610 x 410 mm 71.5" x 24" x 16.1"
3 axes version	1815 x 1230 x 410 mm 71.5" x 48.4" x 16.1"
Weight 2 axes version	38 Kg (83.8 lb)
Weight 3 axes version	52 Kg (114.6 lb)

ADVANTAGE RITMO

RITMO WORLDWIDE

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

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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