

# PRODUCTS CATALOGUE

"AT EASE IN YOUR CONSTRUCTION SITE"

[www.ritmo.it](http://www.ritmo.it)





# Ritmo meets all your welding needs in your jobsite



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# A

# DVANTAGE

# 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.



## PRISMA 125 LIGHT

PRISMA 125 LIGHT is a field machine for socket welding method, for pipe and fittings in HDPE, PP, PP-R, PVDF, PB for diameters included between 20\* ÷ 125 mm (standard composition steel clamps from Ø 63 to 125 mm; on request clamps from Ø 20 to 63 mm). Leading particulars are the restricted weight, minimum overall dimensions and versatility.

Featuring: a machine body, a self-centring clamp for locking the pipes, a self-centring clamp for locking the fittings, an extractable socket welder with an automatic electronic temperature, fitting holder and a special bench vice so the machine can be used on a work bench.

### STANDARD COMPOSITION

- Welding machine Prisma 125 Light with steel case
- Socket fusion plate R 125 Q TFE
- Socket and spigot Ø 63 ÷ 125 mm  
(on request clamps from Ø 20 to 63 mm)
- Carrying box



### TECHNICAL FEATURES

Working range	63 ÷ 125 mm standard 20 ÷ 63 mm clamps on request
Materials	HDPE, PP, PP-R, PB, PVDF
Power supply	110 V Single Phase 50/60 Hz 230 V Single Phase 50/60 Hz
Max. absorbed power	1400 W
Working temperature	260° (± 10° C); 500° F (± 50° F)
Outside temperature range	-5° ÷ 40° C; (23° ÷ 104° F)
Weight standard composition	27 Kg (59.5 lb)
Dimensions machine body	620 x 670 x 610 mm 24.4" x 26.4" x 24"



# SOCKET & SPIGOT

These accessories are necessary for the socket fusion of pipes and fittings.

They were designed in accordance to the German standards, for which there are two version, "A" and "B", different in size and welding coupling depths.

## Type A

Ø16 SOCKET & SPIGOT (A)  
 Ø 20 SOCKET & SPIGOT (A)  
 Ø 25 SOCKET & SPIGOT (A)  
 Ø 32 SOCKET & SPIGOT (A)  
 Ø 40 SOCKET & SPIGOT (A)  
 Ø 50 SOCKET & SPIGOT (A)  
 Ø 63 SOCKET & SPIGOT (A)  
 Ø 75 SOCKET & SPIGOT (A)  
 Ø 90 SOCKET & SPIGOT (A)  
 Ø 110 SOCKET & SPIGOT (A)  
 Ø 125 SOCKET & SPIGOT (A)

## Type B

Ø16 SOCKET & SPIGOT (B)  
 Ø 20 SOCKET & SPIGOT (B)  
 Ø 25 SOCKET & SPIGOT (B)  
 Ø 32 SOCKET & SPIGOT (B)  
 Ø 40 SOCKET & SPIGOT (B)  
 Ø 50 SOCKET & SPIGOT (B)  
 Ø 63 SOCKET & SPIGOT (B)  
 Ø 75 SOCKET & SPIGOT (B)  
 Ø 90 SOCKET & SPIGOT (B)  
 Ø 110 SOCKET & SPIGOT (B)  
 Ø 125 SOCKET & SPIGOT (B)

## Type "AQ"

Ø 20 SOCKET & SPIGOT TYPE-AQ  
 Ø 25 SOCKET & SPIGOT TYPE-AQ  
 Ø 32 SOCKET & SPIGOT TYPE-AQ  
 Ø 40 SOCKET & SPIGOT TYPE-AQ  
 Ø 50 SOCKET & SPIGOT TYPE-AQ  
 Ø 63 SOCKET & SPIGOT TYPE-AQ  
 Ø 75 SOCKET & SPIGOT TYPE-AQ  
 Ø 90 SOCKET & SPIGOT TYPE-AQ  
 Ø 110 SOCKET & SPIGOT TYPE-AQ  
 Ø 125 SOCKET & SPIGOT TYPE-AQ

## Saddles socket CTS

Ø ½" CTS SOCKET & SPIGOT  
 Ø ¾" CTS SOCKET & SPIGOT  
 Ø 1" CTS SOCKET & SPIGOT  
 Ø 1¼" CTS SOCKET & SPIGOT

## Saddles socket IPS

Ø ½" IPS SOCKET & SPIGOT  
 Ø ¾" IPS SOCKET & SPIGOT  
 Ø 1" IPS SOCKET & SPIGOT  
 Ø 1¼" IPS SOCKET & SPIGOT  
 Ø 1 ½" IPS SOCKET & SPIGOT  
 Ø 2" IPS SOCKET & SPIGOT  
 Ø 3" IPS SOCKET & SPIGOT  
 Ø 4" IPS SOCKET & SPIGOT

## Hole repairing Sockets and accessories

Ø 7 mm HOLE REPAIRING SOCKET & SPIGOT  
 Ø 8 mm HOLE REPAIRING SOCKET & SPIGOT  
 Ø 11 mm HOLE REPAIRING SOCKET & SPIGOT  
 CLOSING TAPS SET - PE (20 PCS)  
 CLOSING TAPS SET - ORANGE PP (20 PCS)

TYPE A

TYPE B





**\* Saddle sockets metric  
"AQ"**

- Ø 40-20/25 AQ SADDLE SOCKET
- Ø 50-20/25 AQ SADDLE SOCKET
- Ø 63-20/25 AQ SADDLE SOCKET
- Ø 63-32 AQ SADDLE SOCKET
- Ø 75-20/25 AQ SADDLE SOCKET
- Ø 75-32 AQ SADDLE SOCKET
- Ø 75-40 AQ SADDLE SOCKET
- Ø 90-20/25 AQ SADDLE SOCKET
- Ø 90-32 AQ SADDLE SOCKET
- Ø 90-40 AQ SADDLE SOCKET
- Ø 110-20/25 AQ SADDLE SOCKET
- Ø 110-32 AQ SADDLE SOCKET
- Ø 110-40 AQ SADDLE SOCKET
- Ø 110-50 AQ SADDLE SOCKET
- Ø 125-20/25 AQ SADDLE SOCKET
- Ø 125-32 AQ SADDLE SOCKET
- Ø 125-40 AQ SADDLE SOCKET
- Ø 125-50 AQ SADDLE SOCKET
- Ø 125-63 AQ SADDLE SOCKET
- Ø 160-20/25 AQ SADDLE SOCKET
- Ø 160-32 AQ SADDLE SOCKET
- Ø 160-40 AQ SADDLE SOCKET
- Ø 160-50 AQ SADDLE SOCKET
- Ø 160-63 AQ SADDLE SOCKET
- Ø 160-75 AQ SADDLE SOCKET
- Ø 160-90 AQ SADDLE SOCKET
- Ø 200-20/25 AQ SADDLE SOCKET
- Ø 200-50 AQ SADDLE SOCKET
- Ø 200-63 AQ SADDLE SOCKET
- Ø 200-75 AQ SADDLE SOCKET
- Ø 200-90 AQ SADDLE SOCKET
- Ø 200-110 AQ SADDLE SOCKET
- Ø 200-125 AQ SADDLE SOCKET
- Ø 250-50 AQ SADDLE SOCKET
- Ø 250-63 AQ SADDLE SOCKET
- Ø 250-75 AQ SADDLE SOCKET
- Ø 250-90 AQ SADDLE SOCKET
- Ø 250-110 AQ SADDLE SOCKET
- Ø 250-125 AQ SADDLE SOCKET

**\* Saddle sockets metric  
"N"**

- Ø 40-20/25 N SADDLE SOCKET
- Ø 50-20/25 N SADDLE SOCKET
- Ø 63-20/25 N SADDLE SOCKET
- Ø 63-32 N SADDLE SOCKET
- Ø 75-20/25 N SADDLE SOCKET
- Ø 75-32 N SADDLE SOCKET
- Ø 75-40 N SADDLE SOCKET
- Ø 90-20/25 N SADDLE SOCKET
- Ø 90-32 N SADDLE SOCKET
- Ø 90-40 N SADDLE SOCKET
- Ø 90-50 N SADDLE SOCKET
- Ø 110-20/25 N SADDLE SOCKET
- Ø 110-32 N SADDLE SOCKET
- Ø 110-40 N SADDLE SOCKET
- Ø 110-50 N SADDLE SOCKET
- Ø 110-63 N SADDLE SOCKET
- Ø 125-20/25 N SADDLE SOCKET
- Ø 125-32 N SADDLE SOCKET
- Ø 125-40 N SADDLE SOCKET
- Ø 125-50 N SADDLE SOCKET
- Ø 125-63 N SADDLE SOCKET
- Ø 160-20/25 N SADDLE SOCKET
- Ø 160-32 N SADDLE SOCKET
- Ø 160-40 N SADDLE SOCKET
- Ø 160-50 N SADDLE SOCKET
- Ø 160-63 N SADDLE SOCKET
- Ø 200-20/25 N SADDLE SOCKET
- Ø 200-32 N SADDLE SOCKET
- Ø 200-40 N SADDLE SOCKET
- Ø 200-50 N SADDLE SOCKET
- Ø 200-63 N SADDLE SOCKET
- Ø 250-20/25 N SADDLE SOCKET
- Ø 250-32 N SADDLE SOCKET
- Ø 250-40 N SADDLE SOCKET
- Ø 250-50 N SADDLE SOCKET
- Ø 250-63 N SADDLE SOCKET
- Ø 315-32 N SADDLE SOCKET
- Ø 315-40 N SADDLE SOCKET
- Ø 315-50 N SADDLE SOCKET
- Ø 315-63 N SADDLE SOCKET

\* Contact RITMO S.P.A. for more details



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PLASTIC WELDING TECHNOLOGY



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