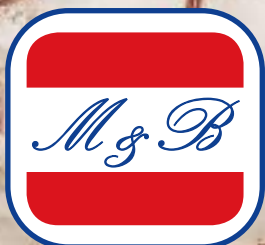


Monti & Barabino

**Technical Supplies
For Industrial and Naval field
Since 1880**



EXPANSION JOINTS





Monti & Barabino, established in 1880, is based in Genoa and operates in the field of Technical Items supplies for the Industrial and Maritime Sectors.

The extremely wide experience matured in more than 135 years of activity and its highly qualified personnel composed by technicians, marine engineers, naval architects etc., enables the Company to offer the most complete and efficient technical and commercial assistance.

Moreover, the products stocked in its large warehouse allows it to promptly satisfy any kind of enquiry, while its workshop is able to manufacture all types of packings and gaskets comprising the moulding of rubber and elastomer of various types, including silicon, Fluoropolymer, Polyurethane, etc.

Since February 2004, Monti & Barabino S.p.A. improved its Quality Management System in accordance with **UNI EN ISO 9001** regulations, obtaining the certification through **R.I.N.A.** This prestigious acknowledgement is a confirmation of our constant effort in offering excellent quality and service to all those Customers who have chosen and will choose our Company as their supplier.



Our workshop, acting as  **Parker** Official distributor, is able to offer:

- FLEXIBLE HOSES FOR LOW, MEDIUM AND VERY HIGH PRESSURE
- MED APPROVED FLEXIBLE HOSES
- TYPE APPROVED SHIP TO SHORE AND INDUSTRIAL COMPOSITE HOSES
- HIGH PRESSURE STEAM HOSES
- HIGH PRESSURE CLEANING HOSES
- RUBBER, STAINLESS STEEL AND TEXTILE EXPANSION JOINTS

Moreover:

- HYDRAULIC TEST FACILITIES
- MANAGEMENT OF TESTING PROCEDURES IN PRESENCE OF CLASSIFICATION BODIES
- PRESSED FITTINGS ON LARGE BORE RUBBER HOSES UP TO 10"



MECHANICAL WORKSHOP and **PIPE WORKSHOP** are available for the execution of customized processes on our semi-finished products. Thanks to the wide availability of **WAREHOUSE** we are able to satisfy your needs in a short time, organizing and managing your shipments in a very short time.

We perform CNC turning and cutting on rubber and metal semi-finished products; we mold details and rubber gaskets.



We produce gaskets in any material, even according to Customer's design, including padded copper and spiral wound gaskets.

We sew and assemble insulating mats and textile joints: wide choice of fabrics for high temperatures.



Laser marking of finished products and components

We are an authorized **Parker** assembling center, hydraulic hoses up to 3" and industrial hoses up to 10".
Ask for our **FLEXIBLE HOSES** and **ACCESSORIES CATALOG**



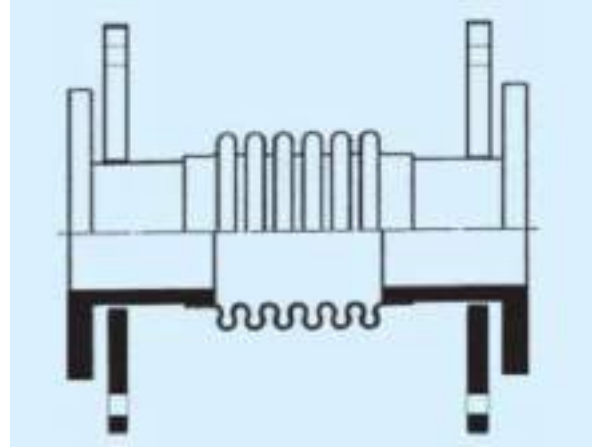
Approved welders able to manufacture special fittings according to Customer's specifications.

We perform internal hydrostatic tests, also in the presence of an external Certifying Body.



EXPANFLEX MB-E1

Stainless Steel expansion joints, RINA approved



EXPANFLEX MB-E1 is an axial Type Approved multiwall expansion joint, without circumferential weld. Made in AISI 321 Stainless Steel T.I.G. welded, or with other grades of Stainless Steel upon request.

EXPANFLEX MB-E1 is designed with flanged or weld ends, in accordance with UNI , ASA or Customer specifications. An internal sleeve made of Stainless Steel can be supplied upon request.

DN	Pressure	Compensation mm			Temperature range
	MPa	Tot	+	-	°C
40	2,5	30,0	8	22	From -200 up to 600°C with weld ends in Stainless Steel
50					
65					
80	32,0	23			
100	1,6	35,0	9	26	From -20 up to 350°C with weld ends in Carbon Steel
125					
150					
200	1,0				

1 MPa = 1 N/mm² = 10 Bar

Special and large diameters available upon request

Characteristics

Excellent reliability, no ageing, absence of permeability, resistant to corrosion, high working temperature. The corrugations are formed by a controlled process which made **MB EXPANFLEX MB-E1** free from friction and lamination, allowing constancy and accuracy of the corrugation profile with minimal material yielding. Internal sleeve made from rolled and welded austenitic stainless steel plate is available upon request.

Suitable applications

Correction of static offsets and compensation for thermal expansion and movements in presence of hydraulic oil, diesel fuel, naptha, brine, fresh water, sea water, air vent, compressed air, desalination, lubricant oil, steam up to 220°C



TYPE APPROVED RUBBER EXPANSION JOINTS



Generality

Joints rubber bellows expressly designed to ensure the compensation of thermal expansion and vibration damping in the pipelines. The floating flanges, available in carbon steel or AISI 316, UNI or ASA, ensure ease and speed of installation.

Applications

The bodies are made of different elastomers to ensure a solution for every application. Available in different lengths, are suitable in plants and premises for industrial and civil applications to compensate for extension caused by temperature change and axial movements, as well as to dampen vibrations and noise arising from pumps, motors, turbines etc.

Approvals

Type Approved by the major Classification Societies.



Monti & Barabino S.p.A.

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