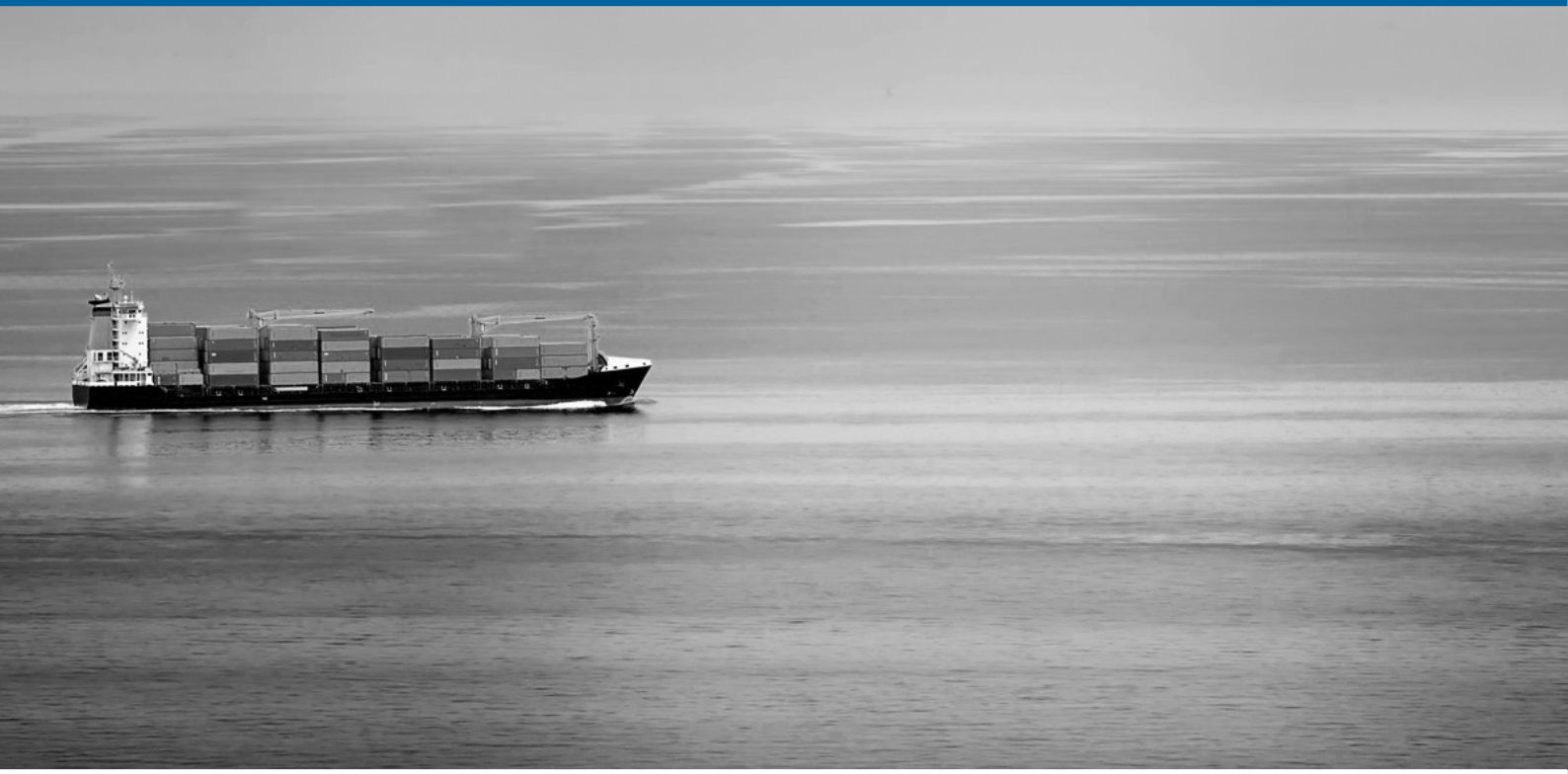
Baroma Steel

Expansion Joint

Offshore & Marine



PRODUCT INFORMATIONS

Baroma Steel

Rubber Expansion Joint

BSM-J Series

Features

- Baroma Steel Rubber Expansion joint is designed to absorb axial, lateral, torsion, vibration, angular and the combinations these movements.
- It is also capable of damping noises from the connected vibrating equipment.
- Minimal face to face dimensions while reducing and absorbing vibrations.
- No gasket requirement during installation between the expansion joint and the pipeline.
- Elastomers, synthetics, natural rubber materials are formulated to create joint material that can withstand a wide range of pressure, temperature, abrasion, corrosion and erosion.
- Due to the properties of the elastomers, there's minimal fatigue damage.
- Electrolysis is eliminated due to the steel and rubber interface of joints and flanges.
- The flexibility of the rubber expansion joints permits unlimited flexing to recover from imposed movements in return minimise damages on vibrating equipment.
- Chermical, temperature, pressure, Ultra violet ray resistance.*

Material Range:
EPDM, EPDM HT, EPDM DW, NBR Nitrile, NBR-HT, NBR-W, NEOPRENE, BUTYL, Styrene Butadiene Rubber, VITON, FKM, FPM.
The rubber bellow is manufactured from independent rubber layers and reinforcements that are vulcanized together after being molded or formed. With over 35 rubber elastomers available and the ability to further modify properties by compounding it can be challenging for non-specialists to select the most appropriate rubber polymer for their requirements. Standard constructions normally utilize high quality synthetic fabric like Nylon®, Polyester, Kevlar®. Fabric plies are impregnated with rubber or synthetic compounds to permit flexibility between the fabric plies. Metal reinforcements Wire or solid steel strings are imbedded in the carcass and are used as strengthening members of the joint. Flanges Carbon steel as standard. Also available in zinc plated or hot dip galvanized carbon steel, stainless steel, duplex, etc.

**Depending on the type of material choosen and the combination of conditions are not always considered.*

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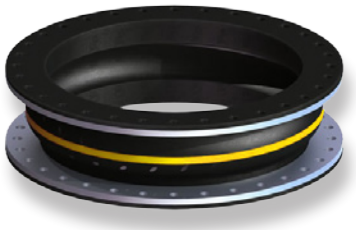
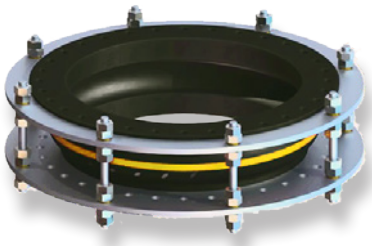


Variant F

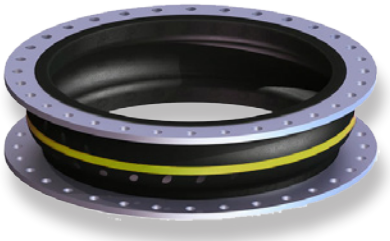


Variant FT

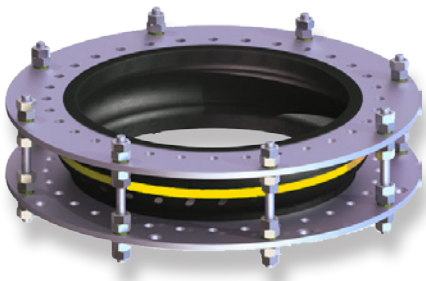
Baroma Steel Model BSM-J Variant F & FT is made out of high performance rubber bellows completely integrated with solid steel flanges size ranges from 1/2” up to 240”. The end connection can be customised to international standard ie. EN, ANSI, JIS and AWWA.

Variant F flat face without turn buckle reinforcement.

Variant FT flat face with turnbuckle reinforcement for excessive pipe movement



Variant W



Variant WT

Baroma Steel Model BSM-J Variant W & WT is made out of high performance rubber bellows integrated with floating steel flanges size ranges from 1/2” up to 240”. The end connection can be customised to international standard ie. EN, ANSI, JIS and AWWA.

Variant W flat face without turn buckle reinforcement.

Variant WT flat face with turnbuckle reinforcement for excessive pipe movement

Baroma Steel

Rubber Expansion Joint

BSM-J Series

BSM-J Series typical offshore application dimensions

Size (inch)	Length (mm)	Flange Dia. (mm)	Bolt Hole Dia. (mm)	No. Bolts	ASA	Pressure (psi)		
						Working	Test	Vacuum
12”	400-460	483	25	12	150	225	338	12
12”	400-460	520	32	16	300	225	420	12
16”	250-600	597	29	16	150	280	350	12
16”	400-500	650	36	20	300	390	500	12
20”	400-600	700	32	20	150	280	420	12
20”	400-800	775	35	24	300	225	290	12
24”	350-600	813	36	20	150	280	350	12
24”	500-800	920	36	20	300	280	350	12
30”	600-850	985	35	28	150	225	340	12
30”	600-850	1080	35	28	300	225	340	12

Other size and standard are available upon request. Subject to our technical teams feasibility studies.

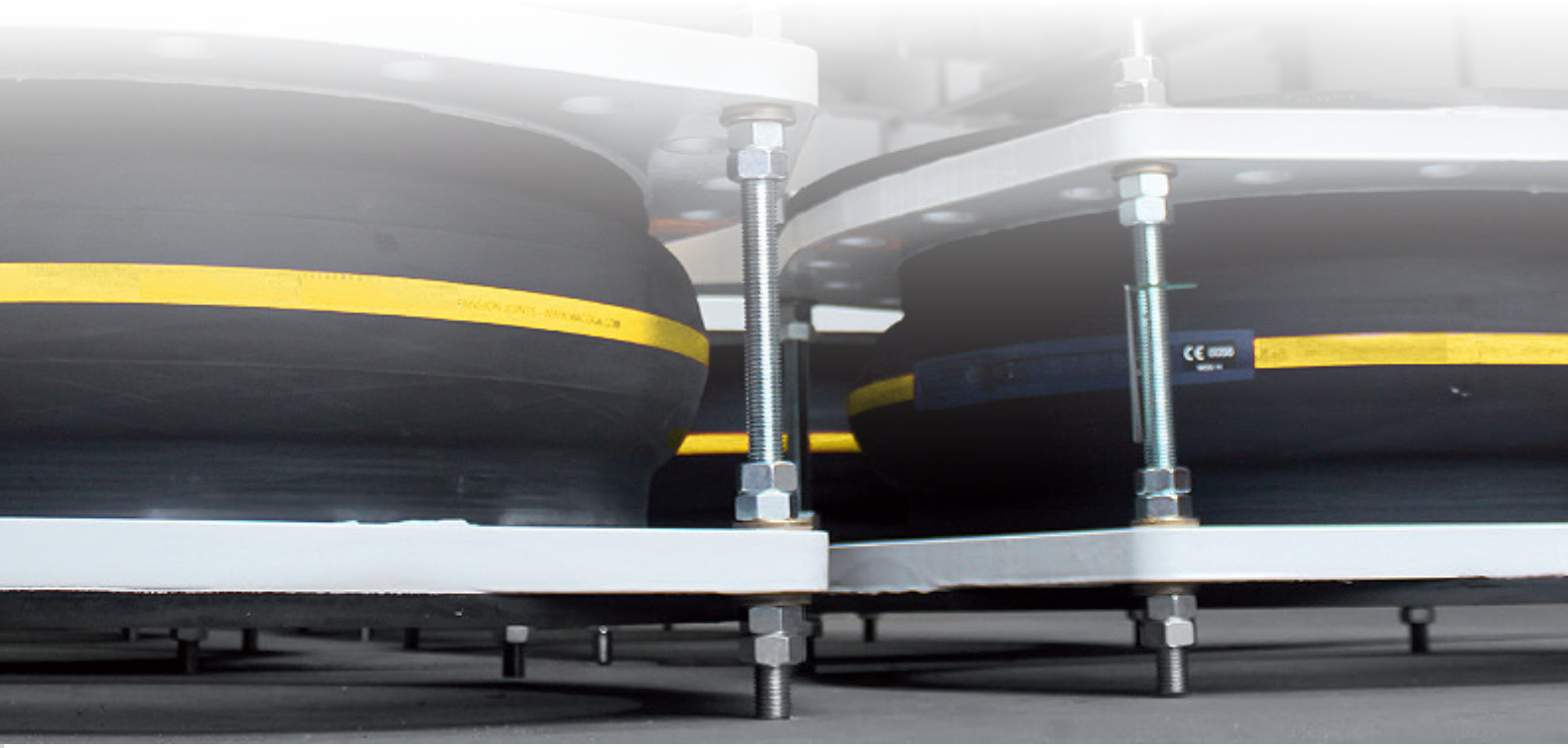
FAQ

How to order?

When ordering from us, please select the model and the variant that you are looking for. If you are not sure about how to choose the right variant, please send us an email detailing the size, material, max working pressure, medium, temperature etc. The more details the merrier as it will help us select or custom made the right product for your applications.

What sort of certifications do you provide?

We normally provide Material Certificates according to EN 10204-3.1 without addtional cost. Other certification and third party inspection aslo available subject to addtional cost.



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