

Rubber Expansion Joint

Elastomeric joint for vibration isolation, movement and corrosive service.

Rubber expansion joints combine axial, lateral and angular movement with vibration and noise isolation. The elastomer and reinforcement are selected for the media, temperature and pressure, with EPDM, NBR and neoprene options.

KEY FEATURES

- Vibration and noise isolation
- Axial, lateral and angular movement
- EPDM, NBR and neoprene options
- Full-vacuum designs available

SPECIFICATION

ITEM	VALUE
Size range	4–24 in
Pressure class	150 psi
Movement	Axial, lateral, angular
Temperature	-40 to 250 °F (elastomer dependent)
Vacuum	Full vacuum with reinforcement
Elastomer	EPDM, NBR, neoprene

STANDARDS AND MATERIALS

Standards: ASME B31.3; ASTM D2000; Manufacturer standard.

Materials: EPDM; NBR; Neoprene; Nylon reinforcement.

ORDERING RANGE

Representative configurations. The full size, material and connection range is confirmed on the order acknowledgement.

SIZE	PRESSURE	MOVEMENT	ELASTOMER	PART NUMBER
4"	150 psi	±1.5 in	EPDM	BGI-RJ-0400-150-EPDM
6"	150 psi	±1.5 in	EPDM	BGI-RJ-0600-150-EPDM
8"	150 psi	±1.5 in	NBR	BGI-RJ-0800-150-NBR
12"	150 psi	±1.5 in	NBR	BGI-RJ-1200-150-NBR

APPLICATIONS

- Pump connections
- HVAC systems
- Marine piping
- Corrosive service

ORDERING NOTES

Confirm size, pressure class, facing or connection, material and quantity when ordering. For critical service, include the project specification, NDE requirements and documentation package. Alternative materials, coatings, tappings and special dimensions are quoted on request.

Range: Expanders. Document reference: DS-RUBBER-EXPANSION-JOINT · Rev. 04.

Ordering and technical support

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Quotations are prepared against the released specification. Certified drawings are issued with the order.