

Bellows Expansion Joint

Standard metallic bellows joint for axial movement and vibration.

Bellows expansion joints use a formed metal bellows to absorb axial movement and isolate vibration. They are the basic building block for the expansion joint range and can be supplied with flanges, weld ends, liners and covers.

KEY FEATURES

- Formed metal bellows
- Axial movement and vibration isolation
- Flanged or weld-end connections
- Single or multi-ply construction

SPECIFICATION

ITEM	VALUE
Size range	3–36 in
Pressure class	150 psi
Axial movement	±2 in
Bellows	Single or multi-ply
Connection	Flanged or weld end
Design code	EJMA

STANDARDS AND MATERIALS

Standards: EJMA; ASME B31.3; ASTM A240 / A312.

Materials: ASTM A240 321; ASTM A312 TP304; ASTM A312 TP316L.

ORDERING RANGE

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

SIZE	PRESSURE	MOVEMENT	MATERIAL	PART NUMBER
4"	150 psi	±2 in	321	BGI-BJ-0400-150-321
8"	150 psi	±2 in	321	BGI-BJ-0800-150-321
10"	150 psi	±2 in	TP304	BGI-BJ-1000-150-304
14"	150 psi	±2 in	TP316L	BGI-BJ-1400-150-316L

APPLICATIONS

- Pump connections
- Compressor piping
- Steam lines
- General process piping

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-BELLOWS-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.