

Mechanical Pipe Expander

Packed slip-type joint for axial movement in low-maintenance piping.

Mechanical pipe expanders use a packed sliding sleeve to accommodate axial movement. They are used in utility and district heating lines where a bellows joint is not suitable, and are supplied with guide and anchor recommendations.

KEY FEATURES

- Sliding packed sleeve
- Axial movement with low spring rate
- Field-replaceable packing
- Guide and anchor recommendations

SPECIFICATION

ITEM	VALUE
Size range	4–24 in
Pressure class	300 psi
Axial movement	±6 in
Packing	Field-replaceable
Connection	Flanged or weld end
Design code	ASME B31.3

STANDARDS AND MATERIALS

Standards: ASME B31.3; ASTM A106 / A182; Manufacturer standard.

Materials: Carbon steel; Stainless steel.

ORDERING RANGE

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

SIZE	PRESSURE	MOVEMENT	MATERIAL	PART NUMBER
4"	300 psi	±6 in	Carbon steel	BGI-MPE-0400-300-CS
8"	300 psi	±6 in	Carbon steel	BGI-MPE-0800-300-CS
12"	300 psi	±6 in	Stainless steel	BGI-MPE-1200-300-SS
16"	300 psi	±6 in	Stainless steel	BGI-MPE-1600-300-SS

APPLICATIONS

- District heating
- Utility piping
- Long straight runs
- Retrofit expansion

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-MECHANICAL-PIPE-EXPANDER · Rev. 04.

Ordering and technical support

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