

Reducing Flange

Single flange that transitions between two line sizes at a bolted connection.

Reducing flanges combine a larger flange face with a smaller bore, eliminating a separate reducer and spool. They are used at pump suction, compressor, vessel and header connections where line size changes at the flange.

KEY FEATURES

- Combines reducer and flange in one component
- Reduces bill of materials and joint count
- Available in concentric and eccentric bores
- Matched to ASME B16.5 dimensions

SPECIFICATION

ITEM	VALUE
Size range	2 × 1 to 24 × 20 in
Pressure class	Class 150–900
Bore	Concentric or eccentric
Face type	Raised face, flat face
Temperature	-29 to 425 °C (material dependent)
Inspection	Dimensional, bore and face check

STANDARDS AND MATERIALS

Standards: ASME B16.5; ASTM A105 / A182.

Materials: ASTM A105; ASTM A182 F316L.

ORDERING RANGE

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

SIZE	CLASS	FACE	MATERIAL	PART NUMBER
4 × 2	150	RF	A105	BGI-RF-0402-150-A105
6 × 4	300	RF	A105	BGI-RF-0604-300-A105
8 × 6	300	RF	F316L	BGI-RF-0806-300-F316L
12 × 10	150	RF	A105	BGI-RF-1210-150-A105

APPLICATIONS

- Pump suction and discharge
- Compressor connections
- Vessel and header transitions
- Metering runs

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: Flanges. Document reference: DS-REDUCING-FLANGE · Rev. 04.

Ordering and technical support

sales@belvantaglobal.com · +1 (713) 555-0140 · www.belvantaglobal.com

1200 Industrial Parkway, Houston, TX 77032, United States

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