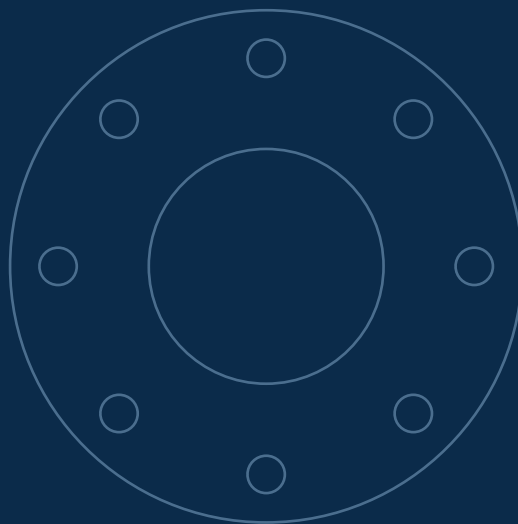


PRODUCT OVERVIEW

Pipe Flanges

ASME B16.5 flanges for welded, threaded and bolted pipe connections in carbon and stainless steel.



DOCUMENT

Product overview

FAMILY	Flanges
RANGE	Pipe Flanges
TYPES	6
REVISION	Rev. 04
ISSUED	15 September 2026

Pipe Flanges

ASME B16.5 flanges for welded, threaded and bolted pipe connections in carbon and stainless steel.

Pipe flanges are the primary bolted connection in process piping. The range covers weld neck, slip-on, blind, lap joint, socket weld and threaded configurations in Class 150 through Class 2500, with raised-face, flat-face and ring-type joint options. Each flange is supplied with dimensional inspection records and heat-number traceability.

STANDARDS AND SUPPLY SCOPE

- Primary standards: ASME B16.5; ASME B16.47; ASTM A105 / A182.
- Product types: Weld Neck Flange, Slip-On Flange, Blind Flange, Lap Joint Flange, Socket Weld Flange, Threaded Flange.
- Standard and made-to-order configurations; project documentation on request.
- Material certificates, inspection records and test reports issued with the order where specified.

SELECTION INPUTS

- Duty, media, pressure and temperature.
- Size, pressure class and connection detail.
- Material and any sour-service or NACE requirement.
- Documentation, NDE and test requirements.

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.

PRODUCT TYPES

Each type below has a dedicated datasheet in the product library. Open the range page for specifications, ordering data and drawings.

Weld Neck Flange

ASME B16.5 · ASTM A105 / ASTM A182 F304L

Butt-welded flange with a tapered hub for high-pressure and cyclic service.

Slip-On Flange

ASME B16.5 · ASTM A105 / ASTM A182 F304L

Economical flange that slips over the pipe and is fillet-welded in place.

Blind Flange

ASME B16.5 · ASTM A105 / ASTM A182 F316L

Solid flange for isolating or terminating a pipe, valve or vessel connection.

PRODUCT TYPES

Each type below has a dedicated datasheet in the product library. Open the range page for specifications, ordering data and drawings.

Lap Joint Flange

ASME B16.5 · ASTM A105 / ASTM A182 F304L

Two-piece flange and stub end assembly for easy bolt-hole alignment.

Socket Weld Flange

ASME B16.5 · ASTM A105 / ASTM A182 F316L

Compact flange for small-bore high-pressure piping with a socket weld connection.

Threaded Flange

ASME B16.5 · ASTM A105 / ASTM A182 F316

Tapped flange for small-bore connections where welding is not practical.

DOCUMENTS

- Pipe Flanges Overview (this document)
- Pipe Flanges General Arrangement Drawing
- Weld Neck Flange Datasheet
- Slip-On Flange Datasheet
- Blind Flange Datasheet
- Lap Joint Flange Datasheet
- Socket Weld Flange Datasheet
- Threaded Flange Datasheet

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.