

Lap Joint Flange

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

Lap joint flanges use a stub end welded to the pipe and a loose flange that rotates into position. The design simplifies bolt-hole alignment in tight spaces and allows the flange material to be selected independently of the wetted stub end.

KEY FEATURES

- Rotating flange simplifies bolt alignment
- Stub end can be a different alloy from the flange
- No weld at the flange face
- Common in stainless and alloy piping

SPECIFICATION

ITEM	VALUE
Size range	1/2–24 in
Pressure class	Class 150–900
Face type	Raised face, flat face
Connection	Stub end butt weld
Temperature	-29 to 425 °C (material dependent)
Inspection	Dimensional, visual

STANDARDS AND MATERIALS

Standards: ASME B16.5; ASTM A105 / A182.
Materials: ASTM A105; ASTM A182 F304L; 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
3"	150	RF	F316L	BGI-LJ-0300-150-F316L
4"	300	RF	F316L	BGI-LJ-0400-300-F316L
6"	150	RF	F316L	BGI-LJ-0600-150-F316L
8"	300	RF	A105	BGI-LJ-0800-300-A105

APPLICATIONS

- Stainless piping
- Alloy process lines
- Tight installation spaces
- Frequent disassembly

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-LAP-JOINT-FLANGE · Rev. 04.

Ordering and technical support

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