

Socket Weld Flange - Data Sheet

Mejor Steel, export sourcing for steel pipe and OCTG | Request a quotation: <https://mejorsteel.com/get-a-quote/>

Specifications

Outer diameter	1/2" - 4" to ASME B16.5 (highest classes up to 2 1/2")
Schedule	Pipe outside diameter and wall only - the pipe fits into the socket bore
Length	Flange thickness and socket depth per ASME B16.5
Ends	Raised face (RF), flat face (FF) or ring joint (RTJ)
Surface treatment	Black oxide, anti-rust oil, hot dip galvanized, or machined finish
Manufacturing process	Forged and machined
Pressure rating	Class 150, 300, 600, 900, 1500, 2500
Connection type	Pipe inserted into the socket, single fillet weld outside

Grades supplied and minimum properties

Grade	Yield strength	Tensile strength
A105 (forged carbon steel)	250 MPa (36,000 psi)	485 MPa (70,000 psi)
F316 (forged stainless steel)	205 MPa min (30,000 psi)	515 MPa min (75,000 psi)

- A105
- A350 LF2
- F11
- F22
- F304

Inspection & testing

Packaging	Sea-worthy export packing: wooden cases or pallets, tagged with size, grade and heat number; corrosion protection on request.
MOQ	By piece - mixed sizes accepted; no minimum on standard items.
Lead time	Stock items: 5-10 days. Made to order: 3-5 weeks after order confirmation.

- Dimensional inspection per ASME B16.5
- Chemical and mechanical testing per ASTM
- PMI on alloy and stainless steel
- Hardness testing
- Dye penetrant or magnetic particle examination of the weld on request

Page: <https://mejorsteel.com/flanges/socket-weld-flange/> | Everything in this data sheet is taken from the published page. The governing standard, MOQ, lead time and price are confirmed on request.