



Subsea applications are complex configurations of valves, fittings and other components. The design and materials of the components are determined by operating conditions and the physical environment of each specific well, including key factors such as pressure, flow, temperature and water depth. Swagelok has developed an extensive range of fittings specifically designed for the rigors of subsea applications. Our unique and well-established supply chain ensures full material traceability.

Applications

Swagelok is able to supply a range of materials to suit a variety of project requirements, covering pressure ranges up to 22100 psig (1522 bar).

Product Type	Maximum Working Pressure, psig (bar)		
	316L	Alloy 2507	Alloy 625
Weld Unions	Up to 11000 (757)	Up to 21400 (1474)	Up to 22100 (1522)
Weld to Male ST (SAE/MS)	Up to 4568 (314)		
Weld to Male AN (JIC)	Up to 10000 (689)		
Weld to Cone and Thread Tube Nipple Adapter	Up to 10000 (689)	Up to 20000 (1378)	Up to 15000 (1033)

Our subsea weld fittings are designed to meet demanding applications such as:

- Subsea Christmas Tree
- Umbilical Termination Assembly
- Steel Flying Lead
- Hydraulic Distribution Manifold
- Subsea ROV Control Panels
- Subsea Control Modules
- Wellhead Control Panels
- Hydraulic Control Panels



Features

Swagelok subsea weld fittings are available in 316L stainless steel, alloy 2507, and alloy 625 to withstand those harsh conditions. Tees and elbows are made from forgings, giving them a lower profile than those made from extrusions. Weld tangent lengths of 3/4 to 2 inches are standard to facilitate on-site repairs, reducing system downtime and scrap costs.

- Available in sizes from 1/4 to 1 in.
- Two weld geometry options, square and J-groove, that have sharp, burr-free ends which
 - Enhance alignment
 - Maintain tube wall uniformity
 - Promote weld repeatability
- Forgings are pickled and passivated per ASTM A380 prior to machining
- 100% Positive Material Identification (PM2) is completed prior to packaging
- Alloy 2507 fittings are compliant to NORSOK M-630 and M-650
- 316L stainless steel fittings are manufactured from dual-certified material
- Alloy 625 fittings are manufactured from dual-melted controlled-chemistry material for optimized corrosion resistance
- Materials are selected in accordance with NACE MR0175/ISO 15156