Flanges

Essential connection components for piping systems.



Weld Neck Flange



Slip-On Flange



Plate Flange



Blind Flange



Threaded Flange



Socket Weld Flange

Specifications

Material	Carbon steel: ASTM A105, ASTM A350 LF1/LF2, Q235 etc. Stainless steel: ASTM A182 F304/F304L, F316/F316L, F321 etc. Alloy steel: ASTM A182 F5, F9, F11, F12, F22, F91 etc.
Types	Weld Neck (WN), Slip-On (SO), Blind (BL), Plate Flange, Socket Weld (SW), Threaded (TH), Lap Joint (LJ), Long Weld Neck (LWN)
Facing	RF / FF / RTJ
Standards	ASME B16.5, ASME B16.47 (large-diameter flanges), EN 1092-1, JIS B2220, GOST 33259-2015

Elbows

Fittings used to change the direction of flow in piping systems.



45° Elbow



90° Short Radius Elbow



180° Return Elbow

Specifications

Elbow Type	45° elbows, 90° elbows, 180° elbows
Material	Carbon steel: ASTM A234 WPB/WPC, ASTM A420 WPL6 etc. Stainless steel: ASTM A403 WP304/304L, WP316/316L, WP321 etc. Alloy steel: ASTM A234 WP5/WP9/WP11/WP12/WP22/WP91 etc.
Standards	ASME B16.9, MSS SP-75 (high-strength fittings),EN 10253-2, EN 10253-4, JIS B2311/B2312/B2313, GOST 17375-2001, GOST 30753-2001 etc.
Size Range	NPS 1/2"–48" (DN15–DN1200)
Bend Angle	45°, 90°, 180°
Bend Radius	Long radius (LR, typically 1.5D) and short radius (SR, typically 1D)
Wall Thickness	SCH 5S–80S, SCH 10–160
Process	Seamless or welded
Surface Finish	Black paint, anti-rust oil, varnish, hot-dip galvanizing, shot blasting/sandblasting, pickling and passivation, polishing, etc. (selected by material)

Pipe Fittings

Product selection is subject to order requirements and actual supply availability.



Tee



Reducer



Pipe Cap

Specifications

Product	Equal tees, reducing tees, lateral tees (as ordered), concentric reducers, eccentric reducers, pipe caps
Material	Carbon steel: ASTM A234 WPB/WPC, ASTM A420 WPL6 etc. Stainless steel: ASTM A403 WP304/304L, WP316/316L, WP321 etc. Alloy steel: ASTM A234 WP5/WP9/WP11/WP12/WP22/WP91 etc.
Standards	ASME B16.9, MSS SP-75 (high-strength fittings), EN 10253-2, EN 10253-4, JIS B2311/B2312/B2313, GOST 17376-2001, GOST 17378-2001, GOST 17379-2001 etc.
Size Range	NPS 1/2"–48" (DN15–DN1200)
Wall Thickness	SCH 5S–80S, SCH 10–160
Structure	Seamless or welded construction
Process	Hot forming, cold forming, etc.
Surface Finish	Black paint, anti-rust oil, varnish, hot-dip galvanizing, shot blasting/sandblasting, pickling and passivation, polishing, etc. (selected by material)