



DUPLEX AND SUPER DUPLEX STAINLESS STEEL END CAPS

Materials:

Duplex or Super Duplex stainless steel available both in CE8MN (UNS # J93345) and CE3MN (UNS # J93404) cast grades in accordance with ASTM A995/A995M.

Pressure Rating¹:

1200 psi (82 bar) with schedule 40s or thicker pipes made of special alloys with cut grooves only. Pressure rating is applicable for sizes up to 8". For sizes above 8", 1000 psi (69 bar) working pressure is applicable. Please contact Piedmont for higher pressure options with larger end caps.

316 STAINLESS STEEL END CAPS

Materials:

316 stainless steel with cast grade CF8M (UNS # J92900) conform to ASTM A351/A351M

Pressure rating¹:

600 psi (40 bar) with schedule 40s or thicker cut groove pipes. Pressure rating is applicable for sizes up to 8". For sizes above 8", 1000 psi (69 bar) working pressure is applicable. Please contact Piedmont for higher pressure options with larger end caps.

¹**NOTE:** Working pressures have been determined based on generally accepted standard specification for performance of gasketed mechanical couplings, in accordance with ASTM F1476. For use on pipes thinner than schedule 40s and for rolled grooves, please consult with Piedmont. Pipe's schedule and material must comply with the requirement of ASME B31.1.

Stainless Steel End Caps - N Specifications

Nominal size (inch)	Dimensions inch (mm)				Approx. weight lb (kg)	Working pressure ¹ psi (bar)	
	OD	A	B	C		Duplex/ SuperD.	316 SS
3/4	1.050 (26.67)	0.625 (15.88)	0.322 (8.18)	0.938 (23.83)	0.11 (0.05)	1200 (82)	600 (40)
1	1.315 (33.40)	0.625 (15.88)	0.322 (8.18)	1.190 (30.23)	0.17 (0.08)	1200 (82)	600 (40)
1-1/4	1.660 (42.16)	0.625 (15.88)	0.322 (8.18)	1.535 (38.99)	0.25 (0.11)	1200 (82)	600 (40)
1-1/2	1.900 (48.26)	0.625 (15.88)	0.322 (8.18)	1.775 (45.09)	0.32 (0.15)	1200 (82)	600 (40)
2	2.375 (60.33)	0.625 (15.88)	0.322 (8.18)	2.250 (57.15)	0.51 (0.23)	1200 (82)	600 (40)
2-1/2	2.875 (73.03)	0.625 (15.88)	0.322 (8.18)	2.720 (69.10)	0.82 (0.37)	1200 (82)	600 (40)
3	3.500 (88.90)	0.625 (15.88)	0.322 (8.18)	3.344 (84.94)	1.15 (0.52)	1200 (82)	600 (40)
4	4.500 (114.30)	0.625 (15.88)	0.385 (9.78)	4.334 (110.08)	2.44 (1.10)	1200 (82)	600 (40)
5	5.563 (141.30)	0.625 (15.88)	0.385 (9.78)	5.395 (137.03)	2.98 (1.35)	1200 (82)	600 (40)
6	6.625 (168.28)	0.625 (15.88)	0.385 (9.78)	6.455 (163.96)	4.36 (1.98)	1200 (82)	600 (40)
8	8.625 (219.08)	0.750 (19.05)	0.448 (11.38)	8.441 (214.40)	8.32 (3.77)	1200 (82)	600 (40)
10	10.750 (273.05)	0.750 (19.05)	0.500 (12.70)	10.562 (268.27)	13.89 (6.30)	1000 (69)	400 (28)
12	12.750 (323.85)	0.750 (19.05)	0.510 (13.00)	12.531 (318.29)	20.73 (9.40)	1000 (69)	400 (28)