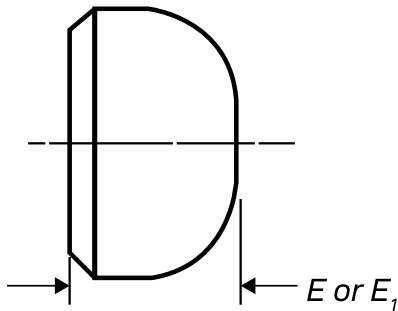




* Reference photo



Material: ASTM A403 316L
Design: ASME / ANSI B16.9
Ends: Butt Welded
Schedule: SCH 40S

TENSILE REQUIREMENTS

MATERIAL	Yield Strength, min, ksi [MPa]	Tensile Strength, min, ksi [MPa]
316L	25 [170]	70 [485]

PERMITTED VARIATIONS IN WALL THICKNESS

NPS Designator	Tolerance, % from Nominal	
	Over	Under
1/8 to 2 1/2 incl., all t/D ratios	20.0	12.5
3 to 18 incl., t/D up to 5 % incl.	22.5	12.5
3 to 18 incl., t/D > 5%	15.0	12.5

where:

t = Nominal Wall Thickness

D = Ordered Outside Diameter

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DIMENSIONS

Nominal Pipe Size (NPS)	Outside Diameter at Bevel, mm (in.)	Length, E, mm (in.)	Limiting Wall Thickness for Length, E, mm (in.)	Length, E, mm (in.) [Note (2)]	Nominal Wall Thickness, mm (in.)	Approx. Weight, kg
1/2	21.3 (0.84)	25 (1.00)	4.57 (0.18)	25 (1.00)	2.77 (0.109)	0.04
3/4	26.7 (1.05)	25 (1.00)	3.81 (0.15)	25 (1.00)	2.87 (0.113)	0.07
1	33.4 (1.32)	38 (1.50)	4.57 (0.18)	38 (1.50)	3.38 (0.133)	0.1
1 1/4	42.2 (1.66)	38 (1.50)	4.83 (0.19)	38 (1.50)	3.56 (0.14)	0.18
1 1/2	48.3 (1.90)	38 (1.50)	5.08 (0.20)	38 (1.50)	3.68 (0.145)	0.23
2	60.3 (2.38)	38 (1.50)	5.59 (0.22)	44 (1.75)	3.91 (0.154)	0.42
2 1/2	73.0 (2.88)	38 (1.50)	7.11 (0.28)	51 (2.00)	5.16 (0.203)	0.42
3	88.9 (3.50)	51 (2.00)	7.62 (0.30)	64 (2.50)	5.49 (0.216)	0.69
3 1/2	101.6 (4.00)	64 (2.50)	8.13 (0.32)	76 (3.00)	5.74 (0.226)	-
4	114.3 (4.50)	64 (2.50)	8.64 (0.34)	76 (3.00)	6.02 (0.237)	1.14
5	141.3 (5.56)	76 (3.00)	9.65 (0.38)	89 (3.50)	6.55 (0.258)	2.13
6	168.3 (6.62)	89 (3.50)	10.92 (0.43)	102 (4.00)	7.11 (0.28)	3.23
8	219.1 (8.62)	102 (4.00)	12.70 (0.50)	127 (5.00)	8.18 (0.322)	5
10	273.0 (10.75)	127 (5.00)	12.70 (0.50)	152 (6.00)	9.27 (0.365)	9.7
12	323.8 (12.75)	152 (6.00)	12.70 (0.50)	178 (7.00)	9.53 (0.375)	14.6
14	355.6 (14.00)	165 (6.50)	12.70 (0.50)	191 (7.50)	9.53 (0.375)	-
16	406.4 (16.00)	178 (7.00)	12.70 (0.50)	203 (8.00)	9.53 (0.375)	-

NOTES:

(1) Length E applies for thickness not exceeding that given in column "Limiting Wall Thickness for Length, E."

(2) Length E1 applies for thickness greater than that given in column "Limiting Wall Thickness for Length, E" for NPS 24 and smaller.

* Conversion equivalents are approximate. Reference weights.

* Photos and reference data. Reference weights. We accept no liability for incorrect uses or misinterpretations of this data.

