

Stainless Steel (inc. High Performance) - 1.4307 / 304L

Welded Butt Weld Reducing Tees

Properties

Stock			Chemical Properties	
NB (in)	SCH	Weight (Kg)	Element	Chemical Composition %
3/4 x 1/2	10S	0.08	Carbon (C)	0.0 - 0.03
1 x 1/2	10S	0.19	Chromium (Cr)	17.5 - 19.5
1 x 3/4	10S	0.19	Manganese (Mn)	0.0 - 2.0
1 1/4 x 3/4	10S	0.29	Silicon (Si)	0.0 - 1.0
1 1/4 x 1	10S	0.31	Phosphorus (P)	0.0 - 0.05
1 1/2 x 1/2	10S	0.39	Sulphur (S)	0.0 - 0.02
1 1/2 x 1	10S	0.42	Nickel (Ni)	8.0 - 10.50
2 x 1	10S	0.54	Iron (Fe)	Balance
2 x 1 1/2	10S	0.59	Above properties are for 1.4307	
2 1/2 x 1 1/2	10S	0.83	1.4307/304L also corresponds to the following designation 304S11	
2 1/2 x 2	10S	0.94		
3 x 1 1/2	10S	1.19	Mechanical Properties	
3 x 2	10S	1.23	Property	Value
3 x 2 1/2	10S	1.31	Tensile Strength	500 to 670 MPa
4 x 2	10S	1.88	Elongation	45% min
4 x 3	10S	2.02	Compressive Strength	200 MPa
6 x 3	10S	4.21	Above properties are for 1.4307	
6 x 4	10S	4.34	1.4301/304 also corresponds to the following designation 304S11	
8 x 4	10S	7.48		
8 x 4	40S	15.90		
8 x 6	10S	7.91	Physical Properties	
8 x 6	40S	16.80	Property	Value
10 x 4	10S	12.37	Density	8.00 g/cm ³
10 x 6	10S	12.80	Melting Point	1450°C
12 x 6	10S	19.10	Thermal Expansion	17.2 x 10 ⁻⁶ /K
12 x 8	10S	19.60	Modulus of Elasticity	193 GPa
12 x 10	10S	20.50	Thermal Conductivity	16.2 W/m.K
			Electrical Resistivity	0.072 x 10 ⁻⁶ Ω.m
			1.4307/304L also corresponds to the following designation 304S11	

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