

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

Seamless Butt Weld 90 deg L/R Elbows

Properties

Stock			Chemical Properties	
NB (in)	SCH	Weight (Kg)	Element	Chemical Composition %
1/2	10S	0.11	Carbon (C)	0.0 - 0.03
1/2	40S	0.14	Chromium (Cr)	17.5 - 19.5
3/4	10S	0.07	Manganese (Mn)	0.0 - 2.0
1	10S	0.11	Silicon (Si)	0.0 - 1.0
1	40S	0.13	Phosphorus (P)	0.0 - 0.05
1 1/4	10S	0.16	Sulphur (S)	0.0 - 0.02
1 1/4	40S	0.21	Nickel (Ni)	8.0 - 10.50
1 1/2	10S	0.22	Iron (Fe)	Balance
1 1/2	40S	0.28	Above properties are for 1.4307	
2	10S	0.48	1.4307/304L also corresponds to the following designation 304S11	
2	40S	0.65		
2 1/2	10S	0.52	Mechanical Properties	
2 1/2	40S	0.92	Property	Value
3	10S	0.84	Tensile Strength	500 to 670 MPa
3	40S	1.49	Elongation	45% min
4	10S	1.38	Compressive Strength	200 MPa
4	40S	2.65	Above properties are for 1.4307	
6	10S	3.36	1.4301/304 also corresponds to the following designation 304S11	
8	10S	6.57		
			Physical Properties	
			Property	Value
			Density	8.00 g/cm ³
			Melting Point	1450°C
			Thermal Expansion	17.2 x 10 ⁻⁶ /K
			Modulus of Elasticity	193 GPa
			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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