

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

Welded Butt Weld Eccentric Reducers

Properties

Stock			Chemical Properties	
NB (in)	SCH	Weight (Kg)	Element	Chemical Composition %
3/4 x 1/2	10S	0.04	Carbon (C)	0.0 - 0.03
1 x 1/2	10S	0.09	Chromium (Cr)	17.5 - 19.5
1 x 1/2	40S	0.11	Manganese (Mn)	0.0 - 2.0
1 x 3/4	10S	0.10	Silicon (Si)	0.0 - 1.0
1 x 3/4	40S	0.17	Phosphorus (P)	0.0 - 0.05
1 1/2 x 3/4	10S	0.15	Sulphur (S)	0.0 - 0.02
1 1/2 x 1	10S	0.17	Nickel (Ni)	8.0 - 10.50
1 1/2 x 1	40S	0.22	Iron (Fe)	Balance
1 1/2 x 1 1/4	10S	0.18	Above properties are for 1.4307	
2 x 1	10S	0.23	1.4307/304L also corresponds to the following designation 304S11	
2 x 1	40S	0.32		
2 x 1 1/4	10S	0.25	Mechanical Properties	
2 x 1 1/2	10S	0.27	Property	Value
2 x 1 1/2	40S	0.37	Tensile Strength	500 to 670 MPa
2 1/2 x 2	10S	0.43	Elongation	45% min
3 x 1 1/2	10S	0.45	Compressive Strength	200 MPa
3 x 1 1/2	40S	0.78	Above properties are for 1.4307	
3 x 2	10S	0.48	1.4301/304 also corresponds to the following designation 304S11	
3 x 2	40S	0.85		
3 x 2 1/2	10S	0.52	Physical Properties	
4 x 1 1/2	10S	0.60	Property	Value
4 x 2	10S	0.67	Density	8.00 g/cm ³
4 x 2	40S	1.27	Melting Point	1450°C
4 x 2 1/2	10S	0.71	Thermal Expansion	17.2 x 10 ⁻⁶ /K
4 x 3	10S	0.76	Modulus of Elasticity	193 GPa
4 x 3	40S	1.45	Thermal Conductivity	16.2 W/m.K
6 x 3	10S	1.53	Electrical Resistivity	0.072 x 10 ⁻⁶ Ω.m
6 x 4	10S	1.65	1.4307/304L also corresponds to the following designation 304S11	
6 x 4	40S	3.30		
6 x 5	10S	1.78		
8 x 4	10S	2.43		
8 x 4	40S	5.10		
8 x 6	10S	2.72		
8 x 6	40S	5.71		
10 x 6	10S	4.76		
10 x 8	10S	4.96		

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