

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

Seamless Butt Weld Concentric 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
3/4 x 1/2	40S	0.06	Chromium (Cr)	17.5 - 19.5
1 x 1/2	10S	0.09	Manganese (Mn)	0.0 - 2.0
1 x 1/2	40S	0.11	Silicon (Si)	0.0 - 1.0
1 x 3/4	10S	0.10	Phosphorus (P)	0.0 - 0.05
1 x 3/4	40S	0.12	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
2 x 1	10S	0.23	Above properties are for 1.4307	
2 x 1	40S	0.32	1.4307/304L also corresponds to the following designation 304S11	
2 x 1 1/2	10S	0.30		
2 x 1 1/2	40S	0.37		
3 x 2	10S	0.48		
3 x 2	40S	0.85		
4 x 2	10S	0.67		
4 x 2	40S	1.27		
4 x 3	10S	0.76		
6 x 3	10S	1.53		
6 x 4	10S	1.65		

Mechanical Properties	
Property	Value
Tensile Strength	500 to 670 MPa
Elongation	45% min
Compressive Strength	200 MPa
Above properties are for 1.4307	
1.4301/304 also corresponds to the following designation 304S11	

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	

Disclaimer

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