

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

Rectangular Section - Unpolished

Properties

Stock		Chemical Properties	
Size (mm)	Weight/m (Kg)	Element	Chemical Composition %
80 x 40 x 4.0	7.22	Carbon (C)	0.0 - 0.03
80 x 40 x 5.0	8.90	Chromium (Cr)	17.5 - 19.5
100 x 50 x 4.0	9.09	Manganese (Mn)	0.0 - 2.0
100 x 50 x 5.0	11.30	Silicon (Si)	0.0 - 1.0
120 x 60 x 3.0	8.39	Phosphorus (P)	0.0 - 0.05
120 x 60 x 4.0	11.10	Sulphur (S)	0.0 - 0.02
120 x 80 x 3.0	9.54	Nickel (Ni)	8.0 - 10.50
120 x 80 x 4.0	12.40	Iron (Fe)	Balance
120 x 80 x 5.0	15.38	Above properties are for 1.4307	
150 x 50 x 3.0	9.53	1.4307/304L also corresponds to the following designation 304S11	
150 x 50 x 5.0	15.38		
150 x 100 x 3.0	11.70		
150 x 100 x 4.0	15.40		
150 x 100 x 5.0	18.80		
150 x 100 x 6.0	22.60		
150 x 100 x 8.0	27.90		
200 x 100 x 3.0	14.06		
200 x 100 x 4.0	18.60		
200 x 100 x 5.0	22.60		
200 x 100 x 6.0	27.40		
200 x 100 x 8.0	34.30		
200 x 100 x 10.0	41.65		
250 x 150 x 6.0	36.78		
250 x 150 x 8.0	47.25		
		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	

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