

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

Ornamental Square Tube

Properties

Stock		Chemical Properties	
Size (mm)	Weight (kg/m)	Element	Chemical Composition %
17 x 17 x 1.5	0.65	Carbon (C)	0.0 - 0.03
23 x 23 x 1.5	0.90	Chromium (Cr)	17.5 - 19.5
28 x 28 x 1.5	1.13	Manganese (Mn)	0.0 - 2.0
33 x 33 x 1.5	1.40	Silicon (Si)	0.0 - 1.0
45 x 45 x 1.5	1.85	Phosphorus (P)	0.0 - 0.05
66 x 66 x 1.5	2.78	Sulphur (S)	0.0 - 0.02
66 x 66 x 2.0	3.70	Nickel (Ni)	8.0 - 10.50
88 x 88 x 1.5	5.00	Iron (Fe)	Balance
88 x 88 x 2.0	7.40	Above properties are for 1.4307	

1.4307/304L also corresponds to the following designation 304S11

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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