

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

## Seamless Butt Weld End Caps

## Properties

Stock			Chemical Properties	
NB (in)	SCH	Weight (Kg)	Element	Chemical Composition %
1	10S	0.08	Carbon (C)	0.0 - 0.03
1 1/2	10S	0.10	Chromium (Cr)	17.5 - 19.5
2	10S	0.19	Manganese (Mn)	0.0 - 2.0
2 1/2	40S	0.24	Silicon (Si)	0.0 - 1.0
3	10S	0.37	Phosphorus (P)	0.0 - 0.05
4	10S	0.57	Sulphur (S)	0.0 - 0.02
			Nickel (Ni)	8.0 - 10.50
			Iron (Fe)	Balance
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 <sup>3</sup>		
Melting Point		1450°C		
Thermal Expansion		17.2 x 10 <sup>-6</sup> /K		
Modulus of Elasticity		193 GPa		
Thermal Conductivity		16.2 W/m.K		
Electrical Resistivity		0.072 x 10 <sup>-6</sup> Ω.m		
1.4307/304L also corresponds to the following designation 304S11				

## Disclaimer

This data is indicative only and as such is not to be relied upon in place of the full specification. In particular, mechanical property requirements vary widely with temper, product and product dimensions. All information is based on our present knowledge and is given in good faith. No liability will be accepted by the Company in respect of any action taken by any third party in reliance thereon.

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