

# Stainless Steel 303

UNI X10CrNiS18-09 / EN X8CrNiS18-9 / 1.4305 / BS 303S31 / AFNOR Z8CNF18-09

Affordable stainless steel ideal for series production: the perfect choice for corrosion-resistant components.



## Material properties

<b>Density</b>		<b>7,9</b>	g/cm <sup>3</sup>
<b>Tensile strength</b>	ISO 6892	<b>550</b>	MPa
<b>Elongation at break</b>	ISO 6892	<b>25</b>	%
<b>Yield strength</b>	ISO 6892	<b>190</b>	MPa
<b>Elastic modulus</b>	ISO 6892	<b>200</b>	GPa
<b>Hardness</b>	ISO 6508	<b>225</b>	HB
<b>Melting temperature</b>		<b>1400</b>	°C
<b>Thermal conductivity (20°C)</b>		<b>15</b>	W/mK
<b>Electrical resistivity</b>		<b>0,73</b>	Ωmm <sup>2</sup> /m

### Main alloy elements

Chromium - Nickel - Sulphur

### Maximum dimensions

95x95x100 mm (3.7x3.7x3.9 in)

### Tolerances

ISO 2768-1 fine (f) or medium (m) class

### Applications

Pins, bushings, screws, nuts, turnbuckles, parts not subject to critical corrosion conditions

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