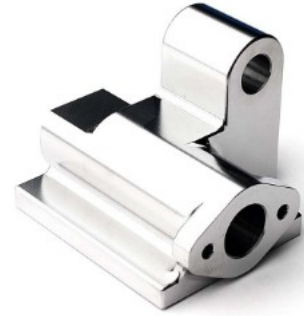


Stainless Steel 304

UNI-EN X5CrNi18-10 / 1.4301 / AFNOR Z5CN18-09

Excellent corrosion resistance and versatility. This austenitic alloy is easy to weld, machine, and sanitize, making it a top choice for industries like food and beverage, pharmaceuticals, and architecture.



Material properties

Density		8	g/cm ³
Tensile strength	ISO 6892	520	MPa
Elongation at break	ISO 6892	35	%
Yield strength	ISO 6892	185	MPa
Elastic modulus	ISO 6892	200	GPa
Resilience	ISO 148	325	kJ/m ²
Hardness	ISO 6508	120-130	HB
Melting temperature		1400	°C
Thermal conductivity (20°C)		15	W/mK
Electrical resistivity		0,73	Ωmm ² /m

Main alloy elements

Iron - Chromium- Nickel - Manganese - Silicon

Maximum dimensions

300x300x80 mm (11.8x11.8x3.15 in)

Tolerances

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

Applications

This steel can be easily moulded into a variety of shapes and sizes, making it suitable for a wide range of applications, from industrial machinery to household appliances. It is also highly resistant to high temperatures and can withstand exposure to aggressive chemicals and other corrosive substances, making it ideal for use in the chemical, petrochemical, food and beverage industries.

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