

Inconel 625 has a high level of pitting and crevice corrosion resistance to chloride contaminated media, such as sea water, neutral salts and brines. Alloy 625 is used in chemical processing, aerospace and marine engineering oil & gas, pollution control equipment and nuclear reactors.

Inconel 625 Specifications

Grade	UNS	W.Nr
Alloy 625	N06625	2.4856

Inconel 625 Chemical composition

Grade	%	Ni	Cr	Mo	Nb	Fe	Al	Ti	C	Mn	Si	Co	P	S
Alloy 625	Min	Bal.	20	8	3.15									
	Max		23	10	4.15	5	0.4	0.4	0.1	0.5	0.5	1	0.015	0.015

Inconel 625 Mechanical properties: (Minimum value at 20°C)

Tensile Strength σ_b /MPa	Yield Strength $\sigma_{p0.2}$ /MPa	Elongation σ_5 /%
≥ 760	≥ 345	≥ 30

Inconel 625 Standards

Bar/Rod	Forging	Sheet/Strip	Wire	Pipe/Tube
ASTM B446	ASTM B564	ASTM B443	ASTM B446	ASTM B444 ASTM B163 ASTM B704 ASTM B705

Inconel 625 Size Range

- Wire: Dia 0.08-12mm
- Bar: Dia 1.0-300mm
- Strip(Coil): 0.2-20mm TCK x 10-300mm W
- Sheet: min.0.7mm TCK x 1200mm W max.
- Tube & Forging & Machine Parts: customized
- Welding wire: 0.8mm, 1.0mm, 1.2mm, 2.0mm, 2.4mm, 3.2mm, 3.8mm, 4.0mm etc
- Welding Strip: 0.4-0.7mm TCK x 25-60mm W