TECHNICAL DATA
Inconel 625

Usable to 1800°F, Inconel 625 is renowned for their combination of high temperature usability, strength and corrosion resistance. Offering similar resistance to Hastelloy C276, Inconel 625 bolts offer very good resistance to corrosive chemicals like hydrochloric and sulfuric acid, are almost completely resistant to salts, saltwater and alkaline media. Inconel 625 also offers excellent fatigue strength and toughness at high temperatures, as well as oxidation and carburization resistance.

Properties

Ultimate Tensile Strength	144 ksi
Yield Strength at 0.2%	84 ksi
Elongation %	44
Usable Temperature Limit	1800˚F / 982˚C

Key Benefits

- High creep-rupture strength and and toughness to 1800°F
- High level of corrosion resistance to both hot seawater, scrubber environments and reducing acids, as well as oxidizing media
- High temperature corrosion oxidation resistance

Chemistry & Specifications

Inconel 625	Ni	Cr	Mo	Fe	Nb+Ta	Co	Mn	Si	Al	Ti	C	P	S
Min %	-	20.0	8.0	-	3.15	8.0	-	-	-	-	-	-	-
Max %	Bal	23.0	10.0	5.0	4.15	1.0	0.5	0.5	0.4	0.40	0.10	0.015	0.015

SPECIFICATIONS: AMS 5666, AMS 5837, ASME SB 443 Gr 1, ASME SB 446 Gr 1, ASTM B 443 Gr 1, ASTM B 446 Gr 1, EN 2.4856, ISO 15156-3, NACE MR0175-3, UNS N06625, Werkstoff 2.4856

Material Data