

INCONEL 718

UNS N07718

Characteristics.

- Other common names: Alloy 718, 718 HaynesMR, NicroferMR5219, AllvacMR718, AltempMR718.
- Nickel- chromium-molybdenum alloy, niobium added.
- Resistant to a wide variety of corrosive environments, pitting and corrosion cracking.
- High proof strength and creep rupture strength at high temperatures.
- Good mechanical properties and voltage.
- Resistant to aqueous corrosion and chloride ions stress-corrosion cracking.
- Easy to fabricate and weld.
- Used in a variety of industries such as marine processes, aerospace, nuclear, chemical, cryogenic storage tanks, valves, screws, etc.

Shape or Presentation

- Print
- Plate
- Bar
- Tube
- Tubing
- Flanges and Fittings
- Welding

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Chemical Composition %

Ni	Fe	Cr	Cu	Mo
50.00 – 55.00	Balance	17.00 – 21.00	0.30 max	2.80 – 3.30
Nb	C	Mn	P	S
4.75 – 5.50	0.08 max	0.35 max	0.015 max	0.015 max
Si	Ti	Al	Co	B
0.35 max	0.65 – 1.15	0.20 – 0.80	1.00 max	0.006 max

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