

Inconel 718 Seamless Pipes & Welded Tubes

Specifications

Grade	UNS	Standards	
Inconel 718	UNS N07718	AMS 5589	AMS 5590

Inconel 718 is a high strength nickel-chromium material, which offers outstanding corrosion-resistance and exhibits characteristics that make it easy to work with for fabrication purposes.

Inconel 718 welded tubes are available in seamless and welded construction. Standard tube sizes are available, but we also can have small diameter tubes fabricated or re-drawn with close tolerances in small production runs.

While Inconel 718 seamless pipes are generally not available from stock in many cases we can have pipe sizes fabricated, machined or drawn to order.

Chemical Composition

Item	Inconel 718	
Chemical Composition (%)	Ni	50.0~55.0
	Cr	17.0~21.0
	Fe	Bal
	Mo	2.8~3.3
	Nb	4.75~5.5

	Co	≤1.0
	Si	≤0.35
	S	≤0.01
	Cu	≤0.3
	Al	0.2~0.8
	Ti	0.65~1.15
	C	≤0.08
	Mn	≤0.35

Applications

- Jet engine components
- Gas turbines
- Aerospace
- Plastic injection molded tools

Types of Inconel 718 Pipes and Tubes

- Inconel 718 seamless pipes
- Inconel 718 welded tubes
- AMS 5589 Inconel 718 seamless pipes
- AMS 5590 Inconel 718 seamless pipes
- AMS 5589 Inconel 718 welded tubes
- AMS 5590 Inconel 718 welded tubes