

MF Inox srl produces INCONEL® 718 UNS N07718 ALLOY 718 werkstoff 2.4668 screws, tie rods and nuts, a nickel-based hardening alloy for precipitation, suitable for applications that require high corrosion resistance and excellent tensile strength even at high temperatures (up to 700 °C).

Our product range includes screws DIN 912, DIN 933 tie rods DIN 976B and ANSI/ASME 16.5, nuts DIN 934 H = D, ISO 4033 and ANSI / ASME 18.2.2 (other types on page <http://www.mfinox.com/prodotti.php?lang=en>) obtained by hot forging machine or machining by round bar, in the diameter range 6 mm to 64 mm, 5/16" to 2"1/2.

INCONEL® 718 UNS N07718 is used in aircraft engine parts, valves, pumps, spacers, bolts and fasteners.

#### CHEMICAL COMPOSITION:

	Ni+Co	Cr	Cb+Ta	Mo	Ti	Al	Co	C	Mn	Si	P	S	B	Cu	Fe
MIN	50.00	17.00	4.75	2.80	0.65	0.20	--	--	--	--	--	--	--	--	--
MAX	55.00	21.00	5.50	3.30	1.15	0.80	1.00	0.08	0.35	0.35	0.015	0.015	0.006	0.30	Balance

#### MECHANICAL PROPERTIES INCONEL® 718 UNS N07718:

Yield                Rp 0,2% 600 N/mm<sup>2</sup>  
Tensile             Rm     800-1000 N/mm<sup>2</sup>  
Ultimate           Rm     1200-1500 N/mm<sup>2</sup> - aged

#### SPECIFICATION AND DISEGNATIONS:

W. 2.4668  
ASTM B637  
UNS N07718  
AMS 5596  
AMS 5662  
AMS 5663  
AMS 5832