



Inconel X750

1. Brief introduction:

Inconel X-750 is a nickel-chromium alloy and been made precipitation hardenable by additions of aluminum and titanium. It has good resistance to corrosion and oxidation along with high tensile and creep-rupture properties to 700°C.

Its excellent relaxation resistance is useful for high-temperature springs and bolts.

It is also used in gas turbines, rocket engines, nuclear reactors, pressure vessels, tooling and aircraft structures.

2. Main specifications:

Chinese	UNS	USA	Werkstoff Nr.
GH4145/GH145	N07750	Inconel X-750	2.4669

3. Chemical composition under ASTM B637 standard:

Grade	chemical composition,%											
	Ni	C	Si	Mn	Cr	S	Al	Fe	Ti	Cu	Nb+Ta	Co
UNS N07750	≥70.0	≤0.08	≤0.5	≤1.0	14.0-17.0	≤0.01	0.4-1.0	5.0-9.0	2.25-2.75	≤0.5	0.7-1.2	≤1.0

Remarks: If require adjustments for some chemical compositions, pls consult with us.



4. Main product types:

wire,rod, bar,strip,sheet/plate.

5. Main produce standards:

Wire	rod, Bar, forging	Sheet/Strip
AMS 5698 AMS5699	ASTM B637 ASME SB-637	AMS 5542 AMS5598

6. InconelX750 source URL:

<https://www.hitealloy.com/product/alloy-x750-gh4145.html>