



Monel K500

1. Brief introduction:

It's a precipitation-hardenable Ni-Cu alloy that combines the corrosion resistance of Monel 400 with greater strength and hardness.

It also has low permeability and is nonmagnetic to temperatures as low as -150°F (-101°C) .

It's used for pump shafts, oil-well tools and instruments, doctor blades and scrapers, springs, valve trim, fasteners and marine propeller shafts.

2. Main specifications:

USA	UNS	W.Nr
Monel K500	N05500	2.4375

3. Chemical composition under ASTM B865-2015 standard:

UNS	chemical composition,%								
	Ni	Cu	Al	Ti	Fe	Mn	C	Si	S
N05500	≥ 63.0	27.0-33.0	2.3-3.15	0.35-0.85	≤ 2.0	≤ 1.5	≤ 0.18	≤ 0.5	≤ 0.01

Ni element shall be determined arithmetically by difference.



Shanghai Hite Special Alloy Co., Ltd.
<https://www.hitealloy.com>

4. Main product types:

wire,rod,forging,bar,strip,sheet/plate,tube/pipe.

5. Main produce standards:

Wire,Rod, Bar,forging
ASTM B865
DIN 17743

6. Monel K500 Source URL:

<https://www.hitealloy.com/product/alloy-k500.html>