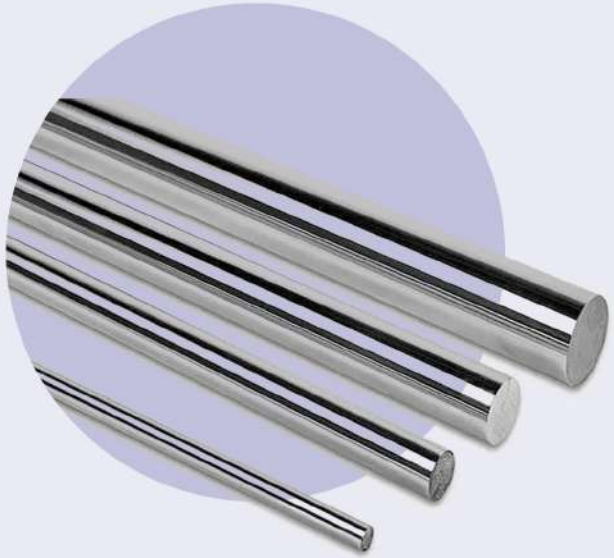
CHANGZHOU DLX ALLOY CO., LTD.

MONEL SERIES



CHANGZHOU DLX ALLOY CO., LTD.

CONTACT US

BUSINESS PHONE: 86-1895-2950-953

ADDRESS : NO.32 WEST TAIHU ROAD,
XINBEI DISTRICT, CHANGZHOU, JIANGSU



MONEL SERIES

Monel (cupronickel) is a metal superalloy that contains approximately 65-70% nickel, 20-29% copper, and 5% manganese. Monel nickel-copper alloy materials display a strong resistance to chemical corrosion, salt water, acids, alkaline solutions, and are commonly utilized in highly corrosive environments. thery are most utilized in the oil, marine, and chemical processing industries.

APPLICATION

- Marine components
- Heat exchangers
- Pump shafts
- Valves and fitting
- Chemical processing equipment

CHEMICAL COMPOSITION %							
Item	Ni	Cu	Fe	Mn	C	Si	S
Monel 400	≥ 63.0	28.0-34.0	≤2.5	≤2.0	≤0.3	≤0.5	≤0.025

Item	Density (g/cm3)	Melting Point (°C)	Tensile Strength (Rm N/mm2)	Yield strength (RP0.2N/mm2)	Elongation (A5 %)	HB
Monel 400	8.80	1300-1390	480	170	35	≥331

Monel 400	Bar	Forging	Pipe	Sheet/Strip
Standard	ASTM B164	ASTM B564	ASTM B165	ASTM B127

CHEMICAL COMPOSITION %									
Item	Ni	Cu	Al	Ti	Fe	Mn	S	C	Si
Monel K500	Min63	27-33	2.3-3.15	0.35-0.85	≤2.0	≤1.5	≤0.01	≤0.25	≤0.5

Item	Density (g/cm3)	Melting Point (°C)	Tensile Strength Rm N/mm2	Yield strength RP0.2N/mm2	Elongation (A5 %)
Monel K500	8.44 g/cm3	1315-1350	1100	790	20

Monel K500	Bar	Wire	Sheet/Strip	Forging
Standard	ASTM B865	AMS4676	ASTM B865	ASTM B564

