



NAVGRAHA STEELS INC

Stockist & Supplier



Monel 400

**Nickel-Copper Alloy Plates,
Sheets & Coils**

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Introduction – What is Monel 400?

Monel 400 is a solid-solution nickel-copper alloy with excellent resistance to seawater, steam, acids, alkalis, and stress corrosion cracking. It retains toughness and strength across a wide temperature range, from sub-zero to about 550°C. It conforms to ASTM B127 standards.

Mechanical Properties – Monel 400

Property	Requirement
Tensile Strength	≥ 550 MPa
Yield Strength (0.2% offset)	≥ 240 MPa
Elongation	≥ 30%
Hardness	≤ 85 HRB

Chemical Composition – Monel 400

Element	% (Typical)
Nickel (Ni)	≥ 63.0
Copper (Cu)	28.0 – 34.0
Iron (Fe)	≤ 2.5
Manganese (Mn)	≤ 2.0
Silicon (Si)	≤ 0.50
Carbon (C)	≤ 0.30
Sulfur (S)	≤ 0.024

Delivery Condition & Standards

- Supplied in Annealed condition
- Standards: ASTM B127 (plates, sheets & coils), ASTM B163, ASTM B165
- Good weldability, machinability, and toughness

Standard Dimensions – Monel 400

Parameter	Range
Thickness	1.6 – 100 mm
Width	1000 – 2500 mm
Length	2000 – 6000 mm
Coils	Custom slit widths available

Product Forms

- Plates – Marine & chemical resistant applications
- Sheets – Flexible thin gauge forms
- Coils – Rolled & slit coils
- Fabricated Components – CNC cut, profiled, machined

Applications Across Industries

- Marine engineering (seawater valves, pumps, propeller shafts)
- Heat exchangers & condensers
- Hydrofluoric acid handling equipment
- Chemical & petrochemical processing
- Oil & gas piping & storage tanks

Buyer's Checklist – Monel 400

- ASTM B127 / UNS N04400 mention on MTC
- Confirm annealed condition
- Nickel-copper balance verified
- Third-party inspection (Lloyd's, TÜV, SGS, BV, DNV)
- Export packaging with traceability

Why Buy Monel 400 from Navgraha Steel INC?

- Ready stock in plates, sheets & coils
- Quick dispatch with CNC cutting & slitting services
- Mill Test Certificates (EN 10204 3.1) traceable to heat number
- Export-ready supply to GCC, Africa & Asia

Request Price & Datasheet

Looking for 16Mo3 Plates from
SAIL, AMNS, JSPL, Evonith?



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