



NAVGRAHA STEELS INC

Stockist & Supplier



Inconel 625

**Corrosion Resistant Alloy Plates,
Sheets & Coils**

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Introduction – What is Inconel 625?

Inconel 625 is a nickel-chromium-molybdenum-niobium alloy known for its excellent corrosion resistance, high strength, and fatigue resistance at extreme temperatures. It offers superior resistance to chloride pitting, oxidation up to 1000°C, and is widely used in marine, aerospace, nuclear, and chemical industries. It conforms to ASTM B443 standards.

Mechanical Properties – Inconel 625

Property	Requirement
Tensile Strength	≥ 690 MPa
Yield Strength (0.2% offset)	≥ 414 MPa
Elongation	≥ 30%
Hardness	≤ 200 HB

Chemical Composition – Inconel 625

Element	% (Typical)
Nickel (Ni)	Balance (~58%)
Chromium (Cr)	20.0 – 23.0
Molybdenum (Mo)	8.0 – 10.0
Niobium (Nb + Ta)	3.15 – 4.15
Iron (Fe)	≤ 5.0
Cobalt (Co)	≤ 1.0
Manganese (Mn)	≤ 0.50
Silicon (Si)	≤ 0.50
Carbon (C)	≤ 0.10
Phosphorus (P)	≤ 0.015
Sulfur (S)	≤ 0.015

Delivery Condition & Standards

- Supplied in Annealed (Solution Heat Treated) condition
- Standards: ASTM B443 (plates, sheets & coils)
ASTM B444, ASTM B446
- Excellent weldability and formability

Standard Dimensions – Inconel 625

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

Product Forms

- Plates – For heat exchangers, marine & chemical industry
- Sheets – Aerospace & thin gauge applications
- Coils – Slit coils for fabrication
- Fabricated Components – CNC cut-to-size parts

Applications Across Industries

- Marine & seawater equipment
- Offshore oil & gas platforms
- Aerospace jet engines & exhaust systems
- Nuclear power components
- Heat exchangers & pollution control systems

Buyer's Checklist – Inconel 625

- ASTM B443 / UNS N06625 mention on MTC
- Annealed solution treatment certification
- Niobium content verification
- Third-party inspection (Lloyd's, TÜV, SGS, BV, DNV)
- Export-ready packaging

Why Buy Inconel 625 from Navgraha Steel INC?

- Large stock in plates, sheets & coils
- Quick dispatch with 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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