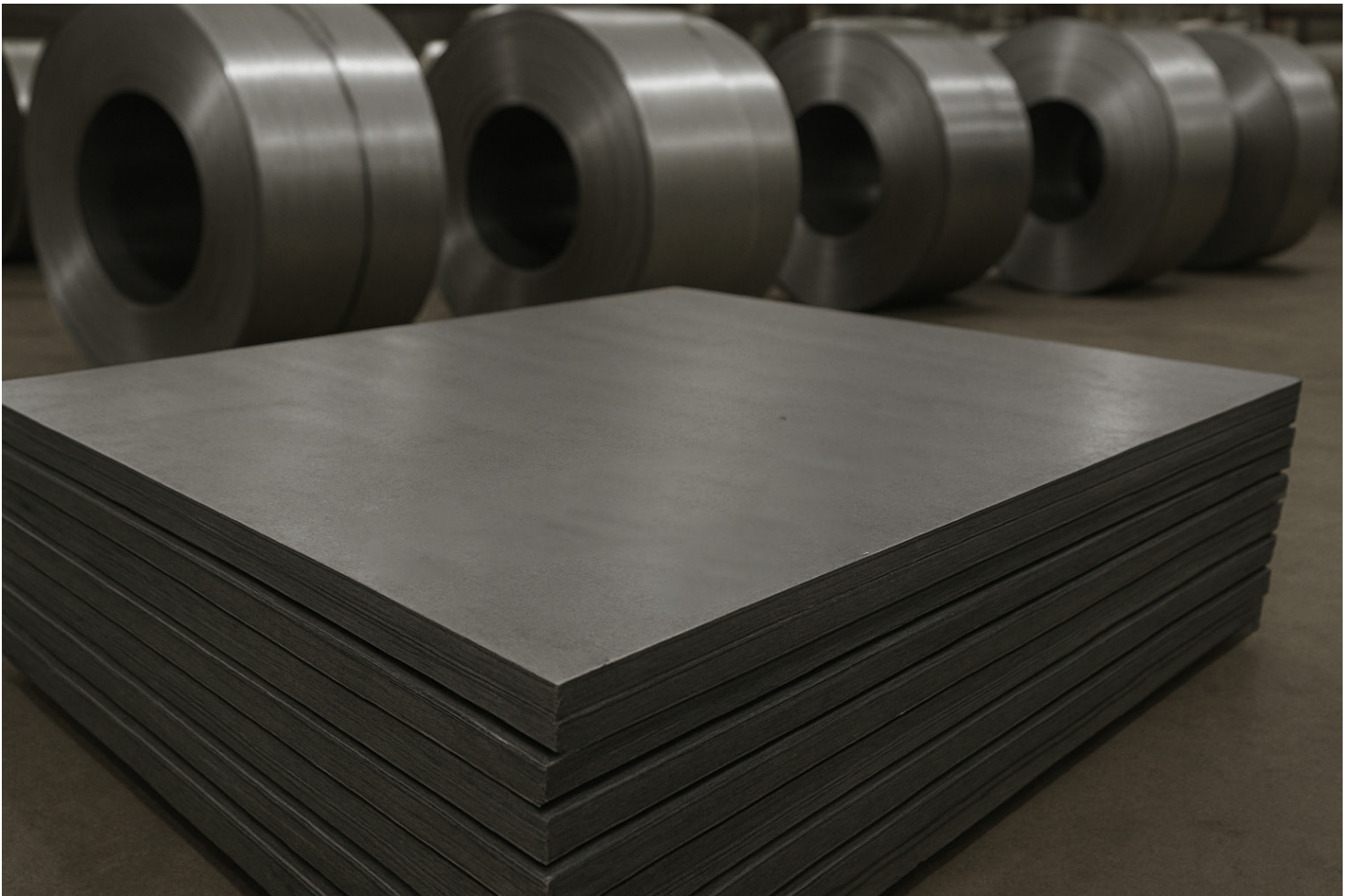




# NAVGRAHA STEELS INC

**Stockist & Supplier**



**Hastelloy C22**

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

**+91-9619267263 | Reachus@navgrahasteelsinc.com | [www.navgrahasteelsinc.com](http://www.navgrahasteelsinc.com)**

*Introduction – What is Hastelloy C22?*

Hastelloy C22 is a nickel-chromium-molybdenum-tungsten alloy with superior resistance to both oxidizing and reducing agents. With higher chromium content than C276, it excels in resisting wet chlorine, nitric acid, and mixed corrosive conditions. It is widely used in chemical processing, pollution control, pulp & paper, and marine applications. It conforms to ASTM B575 standards.

*Mechanical Properties – Hastelloy C22*

Property	Requirement
Tensile Strength	≥ 690 MPa
Yield Strength (0.2% offset)	≥ 283 MPa
Elongation	≥ 40%
Hardness	≤ 100 HRB

*Chemical Composition – Hastelloy C22*

Element	% (Typical)
Nickel (Ni)	Balance (~56%)
Chromium (Cr)	20.0 – 22.5
Molybdenum (Mo)	12.5 – 14.5
Iron (Fe)	2.0 – 6.0
Tungsten (W)	2.5 – 3.5
Cobalt (Co)	≤ 2.5
Manganese (Mn)	≤ 0.50
Vanadium (V)	≤ 0.35
Silicon (Si)	≤ 0.08
Carbon (C)	≤ 0.015
Sulfur (S)	≤ 0.02

## ***Standard Dimensions – 16Mo3 Steel***

Parameter	Range
Thickness	6 – 120+ mm
Width	1500 – 3000 mm
Length	3000 – 13000 mm

## ***Product Forms***

- Plates – Boiler & pressure vessel fabrication
- Cut-to-Size Sheets – CNC profiled with traceable MTCs
- Fabricated Components – Beveled, drilled, machined

## ***Applications Across Industries***

- Boilers & steam drums
- Heat exchangers
- Pressure vessels in refineries
- Petrochemical plants
- Power plant components

## ***Buyer's Checklist – 16Mo3***

- EN 10028-2 mention on MTC
- Impact test (27J at +20°C)
- Mechanical & chemical conformity check
- Third-party inspection (Lloyd's, TÜV, SGS, BV, DNV)
- Export-ready packing

## ***Why Buy 16Mo3 from Navgraha Steel INC?***

- Large stock in Cr-Mo pressure vessel plates
- Fast dispatch with CNC cutting
- Mill Test Certificates (EN 10204 3.1) with traceability
- Export-ready supply to GCC, Africa & Asia

# Request Price & Datasheet

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



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**Krishvi Escape, No. A-208, 2nd floor, A wing,  
Plot No 24, Sitaram Podar marg, Fanaswadi,  
Bhuleshwar, Mumbai- 400002 Maharashtra India**

