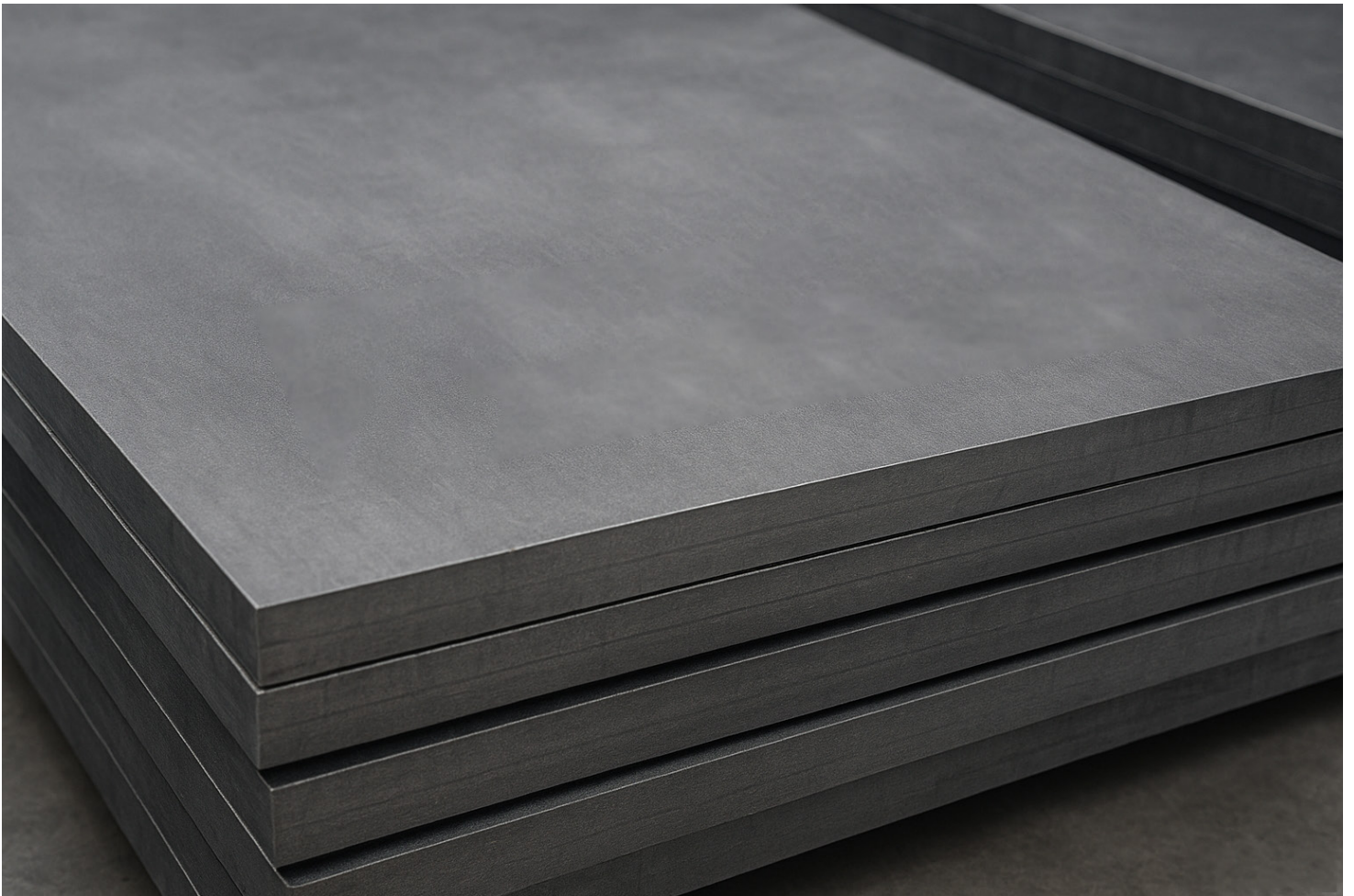




NAVGRAHA STEELS INC

Stockist & Supplier



16Mo3 – EN 10028-2

Alloy Steel Plates

+91-9619267263 | Reachus@navgrahasteelsinc.com | www.navgrahasteelsinc.com

Introduction – What is 16Mo3 Steel?

16Mo3 is a pressure vessel quality steel specified under EN 10028-2. It is alloyed with molybdenum, giving it excellent creep resistance, oxidation resistance, and toughness at high temperatures. It is widely used in boilers, refineries, and chemical plants.

Mechanical Properties – 16Mo3 Steel

Property	Requirement
Tensile Strength	440–590 MPa
Yield Strength (min)	220–265 MPa (depending on thickness)
Elongation (min)	19–22%
Impact Energy	27J at +20°C

Chemical Composition – 16Mo3 Steel

Element	% (Typical)
Carbon (C)	0.12 – 0.20
Manganese (Mn)	0.40 – 0.90
Silicon (Si)	≤ 0.35
Molybdenum (Mo)	0.25 – 0.35
Phosphorus (P)	≤ 0.025
Sulfur (S)	≤ 0.010

Delivery Condition & Heat Treatment

- Supplied in Normalized (N) condition
- Suitable for welding & fabrication with pre-heating control
- Optional heat treatment for specific EPC requirements

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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