



NAVGRAHA STEELS INC

Stockist & Supplier



SA 387 Gr 22 Cl 2
Alloy Steel Plates

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

Introduction – What is SA 387 Gr 22 Cl 2?

SA 387 Grade 22 Class 2 is a chromium-molybdenum alloy steel plate designed for high-temperature and pressure service. It contains 2.25% Chromium and 1% Molybdenum, which provide superior oxidation resistance, creep strength, and hardness retention compared to Grade 11. It conforms to ASTM A387 / ASME SA387 standards.

Mechanical Properties – SA 387 Gr 22 Cl 2

Property	Requirement
Tensile Strength	585–760 MPa
Yield Strength (min)	275 MPa
Elongation (min)	18%
Hardness (max)	250 HB

Chemical Composition – SA 387 Gr 22 Cl 2

Element	% (Typical)
Carbon (C)	≤ 0.15
Manganese (Mn)	0.30 – 0.60
Silicon (Si)	0.50 – 1.00
Chromium (Cr)	1.90 – 2.60
Molybdenum (Mo)	0.87 – 1.13
Phosphorus (P)	≤ 0.035
Sulfur (S)	≤ 0.035

Delivery Condition & Heat Treatment

- Normalized and Tempered (N+T) – Standard for Class 2
- High creep resistance for prolonged elevated service
- Optional impact testing for sub-zero environments

Standard Dimensions - SA 387 Gr 22 Cl 2

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

Product Forms

- Plates – Core product for boiler & refinery use
- Cut-to-Size Sheets – With certified MTCs
- Profiles & Components – CNC cut, beveled, drilled

Applications Across Industries

- Boilers & heat exchangers
- Steam headers & drums
- Petrochemical reactors & towers
- Power plant equipment
- High-pressure, high-temperature vessels

Buyer's Checklist - SA 387 Gr 22 Cl 2

- ASTM A387 / ASME SA387 mention on MTC
- Normalized + Tempered (Class 2)
- Mechanical & impact test data
- Third-Party Inspection (TÜV, Lloyd's, SGS, BV, DNV)
- Export packaging for GCC & Africa

Why Buy SA 387 Gr 22 Cl 2 from Navgraha Steel INC?

- Ready stock in multiple thicknesses
- Quick delivery with CNC machining support
- Mill Test Certificates (EN 10204 3.1) traceable to heat numbers
- Strong export presence across GCC, Africa & Asia

Request Price & Datasheet

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



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+919619267263 | +912244229250



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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**

