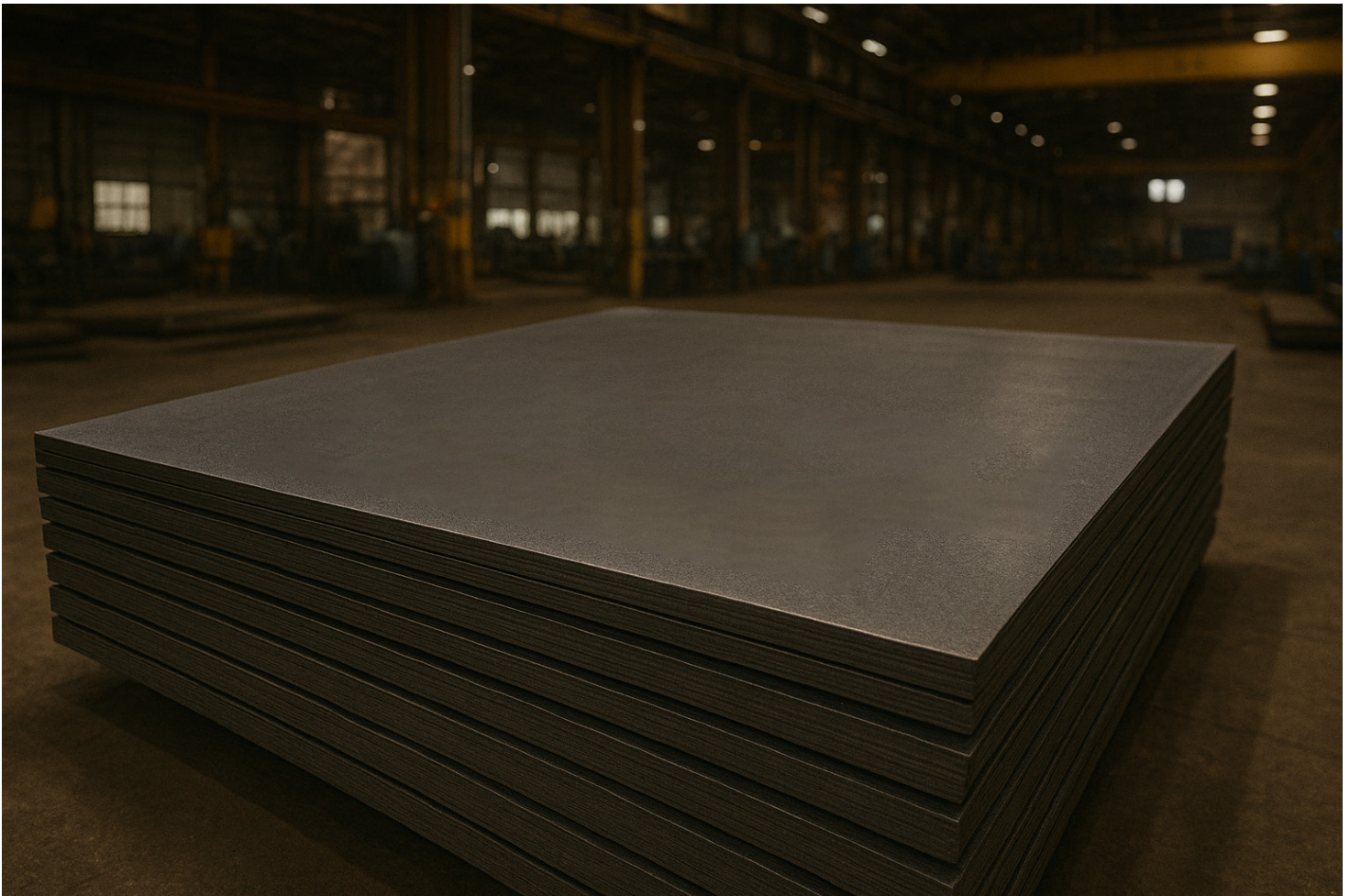




NAVGRAHA STEELS INC

Stockist & Supplier



SA 387 Gr 11 Cl 2
Alloy Steel Plates

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

Introduction – What is SA 387 Gr 11 Cl 2?

SA 387 Grade 11 Class 2 is a chromium-molybdenum alloy steel designed for pressure vessels and boilers operating at elevated temperatures. The chromium content improves oxidation & corrosion resistance, while molybdenum enhances strength at high temperatures. It conforms to ASTM A387 / ASME SA387 standards.

Mechanical Properties – SA 387 Gr 11 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 11 Cl 2

Element	% (Typical)
Carbon (C)	≤ 0.15
Manganese (Mn)	0.30 – 0.60
Silicon (Si)	0.50 – 1.00
Chromium (Cr)	1.00 – 1.50
Molybdenum (Mo)	0.44 – 0.65
Phosphorus (P)	≤ 0.035
Sulfur (S)	≤ 0.035

Delivery Condition & Heat Treatment

- Normalized and Tempered (N+T) – Standard for Class 2
- Improves creep strength & toughness
- Optional impact testing at sub-zero temperatures

Standard Dimensions - SA 387 Gr 11 Cl 2

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

Product Forms

- Plates – For boilers, reactors
- Cut-to-Size Sheets – With traceable MTCs
- Profiles & Fabricated Parts – CNC cut, drilled, beveled

Applications Across Industries

- Boilers & steam drums
- Petrochemical reactors & towers
- Heat exchangers & pressure vessels
- Power plants & refineries
- High-temperature chemical processing units

Buyer's Checklist - SA 387 Gr 11 Cl 2

- ASTM A387 / ASME SA387 mention on MTC
- Normalized + Tempered condition (Cl 2)
- Mechanical properties (TS, YS, elongation)
- Impact testing (if project specified)
- TPI approval (Lloyd's, TÜV, SGS, BV, DNV)

Why Buy SA 387 Gr 11 Cl 2 from Navgraha Steel INC?

- Ready stock of alloy steel plates
- Fast dispatch with CNC cutting
- Mill Test Certificates (EN 10204 3.1) with traceability
- Global export presence (GCC, Africa, Asia)

Request Price & Datasheet

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



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