

Boiler & Pressure Vessel Steel Plate

ASTM A516 is a carbon steel designed for use as a pressure vessel plate in low and moderate temperature service. These plates are usually used in boilers and welded pressure vessels where improved notch toughness is required.

ASTM A 516 plate with resistance to hydrogen induced cracking (HIC) meets the requirements of the A516 but in addition meets the requirements of NACE MR0175 for HIC resistance.

ASTM A516 steel plate to NACE is steel plate which meets the requirements of A516 and has a maximum hardness of 22HRC. These are resistant to sulphide Stress Cracking.

A 516 grades 60 & 70 as normalised

- Thickness: 4 - 150mm
- Width: 1500, 2000, 2055, 2500, 3000, 4000mm
- Length: up to 14000mm

A 516 grades 60 & 70 with NACE treatment in accordance with MR0175

SA 516 grades 60, 65 and 70 with HIC resistant

- Thickness: 8 - 80mm
- Width: 1500, 2055, 2500, 3000mm
- Length: up to 12000mm

Chrome Molybdenum Steel Plate

ASTM A387 is a chromium molybdenum alloy steel designed for use as a pressure vessel plate at elevated temperatures.

SA 387 Grade 5

- Thickness: 5 - 80mm
- Width: 1500, 2000, 2500, 3000mm
- Length: up to 12000mm

SA 387 Grade 11

- Thickness: 6 - 60mm
- Width: 1500, 2000, 2500, 3000mm
- Length: up to 12000mm

SA 387 Grade 12

- Thickness: 3 - 150mm
- Width: 1500, 2000, 2500, 3000mm
- Length: up to 12000mm

SA 387 Grade 22

- Thickness: 4 - 120mm
- Width: 1500, 2000, 2500, 3000mm
- Length: up to 12000mm

16 Mo 3

- Thickness: 1.5 - 300mm
- Width: 2000, 2500, 3000mm
- Length: up to 12000mm



Carbon and low alloy boiler and pressure vessel steel plate

quality steel supplied for: oil & gas, petrochemical & process, construction & shipbuilding industries

Fine Grain Pressure Vessel Steel Plate

A variety of carbon steel plates to EN10028 Part 3 for pressure vessel and boiler construction are available

P 355 NH

- Thickness: 3 - 220mm
- Width: 1000 - 4000mm
- Length: up to 16000mm

P 355 NL1

- Thickness: 3 - 220mm
- Width: 1000 - 4000mm
- Length: up to 16000mm

P 460 NH

- Thickness: 4 - 180mm
- Width: 1000 - 3000mm
- Length: up to 14000mm

P 460 NL2

- Thickness: 4 - 180mm
- Width: 1000 - 3000mm
- Length: up to 14000mm

Structural Steel Plate

Oakley Steel offers the following grades to EN10025 Part 2 for structural and construction purposes.

S 235 JR

- Thickness: 5 - 200mm
- Width: 2055, 2500, 3000mm
- Length: up to 12000mm

S 275 JR

- Thickness: 5 - 100mm
- Width: 2055, 2500, 3000mm
- Length: up to 12000mm

S 355 J2 + N

- Thickness: 5 - 300mm
- Width: 2055, 2500, 3000mm
- Length: up to 12000mm

High Yield Steel Plate

High yield quenched and tempered steel plate to EN10025 Part 6 is available for construction purposes from Oakley Steel. We offer plates with yields of 690 MPa, 890 MPa and 960 MPa with thicknesses up to 200mm.

S 690 QL

- Thickness: 3 - 200mm
- Width: 1000 - 3000mm
- Length: up to 15000mm

S 890 QL

- Thickness: 4 - 120mm
- Width: 1000 - 3000mm
- Length: up to 16000mm

S 960 QL

- Thickness: 4 - 100mm
- Width: 1000 - 3000mm
- Length: up to 12000mm

Wear Resistant Steel Plate

Wear resistant steel is used in areas where there is likely to be a high degree of abrasion or wear of the steel plate.

400 HB

- Thickness: 5 - 120mm
- Width: 1000 - 3000mm
- Length: up to 12000mm

500 HB

- Thickness: 3 - 100mm
- Width: 1000 - 3000mm
- Length: up to 12000mm

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