SA 516 Grade 60 Plates

SA 516 Grade 60 offers dependable strength, excellent weldability and good notch toughness, making it suitable for pressure vessels, storage tanks and industrial boilers operating under moderate pressure and temperature conditions.

SA 516 Grade 70 Plates

SA 516 Grade 70 provides higher tensile and yield strength than Grade 60 while maintaining excellent weldability and toughness. It is widely specified for demanding pressure vessel, refinery and process industry applications.

Technical Specifications

Mechanical Properties

Property	Grade 60	Grade 70
Minimum Yield Strength (MPa)	220	260
Minimum Tensile Strength (MPa)	415–550	485–620
Typical Elongation (%)	21	17

Chemical Composition

Element	Grade 60	Grade 70
Carbon (Max %)	0.27	0.28
Manganese (%)	0.85–1.20	0.85–1.20
Phosphorus (Max %)	0.035	0.035
Sulphur (Max %)	0.035	0.035
Silicon (%)	0.13–0.45	0.13–0.45

Note: Verify all mechanical and chemical values against the latest ASTM/ASME SA 516 specification and the corresponding Mill Test Certificates before publication.

Product Information

Specification	Details
Grades Available	SA 516 Grade 60 & SA 516 Grade 70
Standard	ASTM / ASME SA 516
Source	Leading Indian Steel Manufacturers
Documentation	Mill Test Certificate (MTC)
Material Traceability	Available
Processing Services	Available on request