HIGH STRENGTH STEEL Advanced Materials. Engineered for Performance.

S1100QL

High Strength Steel | EN: S1100QL

The highest yield strength structural plate in commercial supply, used where every kilogram of structural weight carries a payload penalty.



Stock status: Mill indent - Typical lead time: 4 - 8 weeks mill indent

Key features

- Highest commercially available yield strength

Available forms & sizes

Form	Size range
Plates	5 - 40 mm thk

Chemical composition (%)

Element	Min	Max
C	-	0.21
Mn	-	1.70
Ni	-	2.50

Mechanical properties

Property	Value	Unit
Yield Strength	1100 min	MPa
Tensile Strength	1200 - 1500	MPa
Elongation	8 min	%

Physical properties

Property	Value	Unit
Density	7.85	g/cm3

Standards

EN 10025-6

Equivalent grades

Strenx 1100, Weldox 1100

Industries served

Lifting & Cranes, Defence

Typical applications

- Ultra light crane structures
- Specialist military vehicle structures

Live datasheet