HIGH STRENGTH STEEL Advanced Materials. Engineered for Performance.

S960QL

High Strength Steel | EN: S960QL / 1.8933

Ultra high strength quenched and tempered plate for the most weight-critical lifting and mobile equipment structures.



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

Key features

- 960 MPa minimum yield
- Maximum payload for minimum tare weight

Available forms & sizes

Form	Size range
Plates	4 - 100 mm thk

Chemical composition (%)

Element	Min	Max
C	-	0.20
Mn	-	1.70
Cr	-	1.50
Mo	-	0.70

Mechanical properties

Property	Value	Unit
Yield Strength	960 min	MPa
Tensile Strength	980 - 1150	MPa
Elongation	10 min	%
Impact Energy at -40 C	30	J

Physical properties

Property	Value	Unit

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Density	7.85	g/cm3

Standards

EN 10025-6

Equivalent grades

1.8933, Strenx 960, Weldox 960

Industries served

Lifting & Cranes, Transport, Construction

Typical applications

- Telescopic crane sections
- Concrete pump booms
- Heavy lift rigging components

Live datasheet