S890QL

High-tensile Q&T plate

EQUIVALENT GRADES

India (IS)	Jindal Steel S890QL
USA (ASTM / AISI / SAE)	ASTM A514 / A517 (lower strength, nearest)
Europe (EN)	S890QL (EN 10025-6)
Werkstoff No. (W.Nr)	1.8983
China (GB)	Q890D / Q890E (GB/T 16270, nearest)

CHEMICAL COMPOSITION (WEIGHT %)

C **max 0.20**	Si **max 0.80**	Mn **max 1.70**	P **max 0.020**
S **max 0.010**	N **max 0.015**	B **max 0.0050**	Cr **max 1.50**
Cu **max 0.50**	Mo **max 0.70**	Nb **max 0.06**	Ni **max 2.0**
Ti **max 0.05**	V **max 0.12**	Zr **max 0.15**	

PROPERTIES

Mechanical (typical)	Yield min 890 MPa | Tensile 940–1100 MPa | Elongation min 11% | 30 J at -40 °C (3–50 mm)
Density	7.85 g/cm3 (7,850 kg/m3)
Typical uses	Mostly used for crane booms, mobile cranes, trailers, lifting and mining equipment, hydropower penstocks
Notes	Quenched and tempered; L = low-temperature impact quality. Brand names include Strenx 900 (SSAB, nearest). CEV rises with thickness; check the maker.

SUPPLY

Enquiry	Send grade, product form, size, quantity and delivery location for a quotation. Mill test certificates as per order.
Online	Equivalents, full chemistry by standard and weight calculator: https://steelimp.com/s890ql-equivalent-grades

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Reference values compiled from published standards. Confirm against the governing standard, product form and the mill test certificate. Generated 12 Nov 2026.