Hardox 500 Tuf

Abrasion-resistant steel plate

EQUIVALENT GRADES

India (IS)	IS 18809 ISAR 500 (nearest)
Europe (EN)	Hardox 500 Tuf (SSAB brand)
China (GB)	NM500 (nearest)

CHEMICAL COMPOSITION (WEIGHT %)

C max 0.30	**Si** max 0.70	**Mn** max 1.60	**P** max 0.020
S max 0.010	**Cr** max 1.50	**Ni** max 1.50	**Mo** max 0.60
B max 0.005			

PROPERTIES

Mechanical (typical)	475–505 HBW | typical Yield 1370 MPa | 27 J at -40 °C (3–8 mm) / -20 °C (8.1–38.1 mm) transverse guaranteed
Density	7.85 g/cm3 (7,850 kg/m3)
Typical uses	Mostly used for lighter, stronger tipper and dumper bodies, containers and buckets
Notes	Sheet 2–7 mm, plate 4–38.1 mm. Combines Hardox 500 hardness with Hardox 450 toughness. Max CEV 0.54–0.63.

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/hardox-500-tuf-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.