NM500 (GB/T 24186)

Abrasion-resistant steel plate

EQUIVALENT GRADES

India (IS)	IS 18809 ISAR 500 (nearest) | AM/NS Rockstar 500 | JSPL Rockhard 500
USA (ASTM / AISI / SAE)	AR500 (nearest)
Europe (EN)	Hardox 500 (SSAB, nearest)
China (GB)	NM500 (GB/T 24186-2022)

CHEMICAL COMPOSITION (WEIGHT %)

C **max 0.38**	Si **max 0.70**	Mn **max 1.70**	P **max 0.020**
S **max 0.010**	Cr **max 1.50**	Ni **max 1.00**	Mo **max 0.65**
Ti **max 0.050**	B **0.0005–0.006**	Al **min 0.010**	

PROPERTIES

Mechanical (typical)	Surface 470–540 HBW | Tensile min 1350 MPa | Elongation min 7% (transverse, by agreement)
Density	7.85 g/cm3 (7,850 kg/m3)
Typical uses	Mostly used for crusher parts, cutting edges and high-wear liners
Notes	Chinese national standard grade. Chinese mills (for example Baowu/Baosteel, Ansteel/Yingkou, HBIS Wuyang and Tangshan, Valin Xiangtan, Xinyu and Nanjing Steel) supply wear plate to GB/T 24186 NM grades, often under their own brand names. Residuals Cu max 0.30, As max 0.08. D and E sub-grades add impact testing at -20 °C and -40 °C.

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/nm500-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.