NM550 (GB/T 24186)

Abrasion-resistant steel plate

EQUIVALENT GRADES

India (IS)	IS 18809 ISAR 550 (nearest)
Europe (EN)	Hardox 550 (SSAB, nearest)
China (GB)	NM550 (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 1.50	**Mo** max 0.70
Ti max 0.050	**B** 0.0005–0.006	**Al** min 0.010	

PROPERTIES

Mechanical (typical)	Surface 520–580 HBW
Density	7.85 g/cm3 (7,850 kg/m3)
Typical uses	Mostly used for crusher and screen parts and severe sliding wear
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/nm550-equivalent-grades

Steel Impex India
231/235 Chouhan House, 2nd Kumbharwada Lane, Sant Sena Maharaj Marg, Mumbai, Maharashtra 400004, India

Tel: +91 95946 66986
sanjay@steelimp.com
Enquiry: steelimp.com/quote.php

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