Wear-Resistant Steel Plate NM400 / NM500

Designations: NM400 | NM500 | AR400 | AR500 equivalent

Applicable standards: GB/T 24186

Product Description

Ochnology is a manufacturer and supplier of NM400 and NM500 abrasion-resistant steel plate. NM400 has a hardness of about 360–440 HB and NM500 about 470–530 HB, with good impact toughness at hardness and weldability with correct preheating. These plates are used for dump truck bodies, excavator buckets, crusher liners, chutes, hoppers and mining and cement-plant wear parts.

Chemical Composition (% by weight)

Element	NM400	NM500
Carbon (C), max	0.30	0.38
Silicon (Si), max	0.70	0.70
Manganese (Mn), max	1.60	1.60
Phosphorus (P), max	0.025	0.025
Sulphur (S), max	0.015	0.015
Cr, Mo, Ni, B	Micro-alloyed as per mill practice	Micro-alloyed as per mill practice

Mechanical and Physical Properties

Property	NM400	NM500
Brinell hardness	360–440 HBW	470–530 HBW
Impact toughness	As per order (Charpy V, −20 °C)	As per order (Charpy V, −20 °C)

Supply Details

Item	Detail
Density	7.85 g/cm^3
Forms	Plate (thickness and size per enquiry)
Delivery condition	Quenched and tempered
Certification	Mill test certificate (EN 10204 3.1) and third-party inspection available on request

Typical Applications

- Dump truck bodies and liners
- Excavator buckets
- Crusher liners, chutes and hoppers
- Mining and cement-plant wear parts

Ordering Information

To request a quotation, send the grade and standard, form, size or thickness, quantity, delivery condition, destination port and required certificates to info@ochnology.com or bd@ochnology.com. Typical values apply to the stated standards; actual values are certified on the mill test certificate for each lot.

Issue date: 31 October 2026