WEAR RESISTANT STEEL Advanced Materials. Engineered for Performance.

Hardox 500

Wear Resistant Steel | Brand: SSAB | Nominal Hardness: 500 HBW

Higher hardness plate for severe sliding abrasion where 450 HBW wears out too quickly, while retaining good workshop formability.



Stock status: Ex-stock Dubai - Typical lead time: 2 - 3 working days ex Dubai

Key features

- Extended life in hard rock abrasion
- Weldable and bendable at 500 HBW

Available forms & sizes

Form	Size range
Plates	4 - 103 mm thk, up to 3350 mm wide
Blocks & Profiles	Profile cut wear parts

Chemical composition (%)

Element	Min	Max
C	-	0.30
Mn	-	1.60
Cr	-	1.50
Ni	-	1.50

Mechanical properties

Property	Value	Unit
Hardness	470 - 530	HBW
Yield Strength (typical)	1400	MPa
Tensile Strength (typical)	1550	MPa

Physical properties

Property	Value	Unit

Property	Value	Unit
Density	7.85	g/cm3

Standards

SSAB Hardox guarantee, EN 10029

Equivalent grades

Dillidur 500V, Quard 500, XAR 500

Industries served

Mining, Cement, Quarrying

Typical applications

- Hard rock crusher liners
- Grizzly bars and feeders
- Chute and hopper linings
- Bucket wear plates

Live datasheet