

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.

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
Density	7.85	g/cm3

Standards

SSAB Hardox guarantee, EN 10029

Equivalent Grades

Dillidur 500V, Quard 500, XAR 500

Typical Applications

- Hard rock crusher liners
- Grizzly bars and feeders



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Technical Data Sheet

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- Chute and hopper linings
 - Bucket wear plates

Industries Served

Mining, Cement, Quarrying