

Elevator buckets



Hardox Elevator buckets for longer service life

Steel grade

Hardox 450 / 500

Thickness

Normally 5-10mm

Used in

Cerment industry and mining

Hardox advantages

- Significantly higher toughness
- Longer service life
- Locally available on short lead times



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info@hardoxwearparts.com



+46 243 712 00



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HARDOX®

WEARPARTS



We can produce your wear parts

Hardox Wearparts centres produce tailor made solutions in Hardox wear plate with short delivery times. We have access to the very best technology and expertise needed for optimal processing of Hardox wear plate.

Hardox wear plate lets your products and machines stand up to the toughest treatment. Hardox maximizes service life, minimizes the risk of break-down and makes it possible to schedule maintenance with much greater precision.

In short, you will have fewer stoppages and delays using Hardox.

Hardox Properties

Product	Hardness* [HBW]	Toughness** KV, - 40°C [J]	Yield Strength** Rp0.2 [MPa]	Tensile strength** Rm [MPa]	Carbon equivalent**	
					CEV [%]	CET [%]
Hardox HiTuf***	310–370	95	950	980	0.55	0.36
Hardox 400	370–430	45	1000	1250	0.37	0.27
Hardox 450	425–475	40	1200	1400	0.48	0.35
Hardox 500****	470–530	30	1300	1550	0.62	0.41
Hardox 550	525–575	30	1400	1700	0.72	0.48
Hardox 600	570–640	20	1650	2000	0.73	0.55
Hardox Extreme	650–700	–	1850	2150	0.84	0.59

* Guaranteed values. ** Typical values for 20 mm thick plates, except Hardox HiTuf. *** Typical values are for the thickness range 40–70 mm. **** Guaranteed hardness values are for the thickness range 4–32 mm. For thicknesses 32.1–80 mm is guaranteed 450–540 HBW.

Wear Calc

SSAB, the manufacturer of Hardox has developed its own software called WearCalc, which makes it possible to calculate the difference in lifetime between the different Hardox grades for different uses. This makes it possible for you to calculate the optimal choice of material.

Our service

Thanks to the cooperation with SSAB, your local Hardox Wearparts centre can offer you opportunities to wear calculations. The Hardox Wearparts experts are willingly to support you in the optimization of your work performance and to optimize your tools.



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