

HARDOX® IS CLOSE TO YOU

Hardox® wear plate is available only from SSAB, from the worldwide network of Hardox® Wearparts centers as wear parts made of Hardox® wear plate, or in certified equipment made by Hardox® In My Body manufacturers. When ordering from SSAB local stocks, the most common grades and dimensions of Hardox® wear plate can reach you within 48 hours.

BUILT-IN SUSTAINABILITY

Hardox® wear plate supports your sustainability ambitions by reducing the environmental impact of steel and your equipment. Its high strength, hardness and toughness enable you to use less steel to build stronger yet lighter and more resource-efficient equipment that lasts longer. And by 2026 we aim to deliver fossil-free versions of Hardox® wear plate.

HARDOX® PLATE AND SHEET

Hardox® grade	Hardness nominal HBW	Impact toughness CVL typical for 20 mm (¾") J at -40°C (ft-lb at -40°F)	Relative service life interval ¹	CEV/CET typical for 20 mm (¾") ²	Thickness range mm (inches)
Hardox® HiTuf	350	95 (70)		0.55/0.36 ³	40-160 (1.57-6.3)
Hardox® 400	400	45 (33)	1	0.44/0.28	2-130 (0.079 -5.12) ⁴
Hardox® 450	450	50 (37)	1.1-1.5	0.56/0.38	2-130 (0.079-5.12) ⁴
				0.46/ 0.32	0.8-2.1 (0.035-0.083) ⁵
Hardox® 500 Tuf	490	45 (33)	1.3-2.1	0.53/ 0.37	3-25.4 (0.118-1)
Hardox® 500	500	37 (27)	1.3-2.1	0.63/0.41	2-103 (0.079-4.06)
Hardox® 550	550	30 (22)	1.5-4	0.67/ 0.46	8-65 (0.315-2.56)
Hardox® 600	600	20 (15)	1.8-8	0.66/0.55	3-65 metric only
Hardox® Extreme	675	<15 (11)	2-10	0.66/0.55	8-19 metric only
Hardox® HiTemp	400	60 (44)		0.59/0.40	4.7-51 (0.185-2)
Hardox® HiAce	450	50 (37)		1.01/ 0.39	3-100 (0.118-3.937)

All plates are produced according to Hardox® wear plate guarantees or better.

1. Max/min sliding wear by SSAB WearCalc (mild steel 0.2-0.8)
2. CEV=C+Mn/6+(Cr+Mo+V)/5+(Cu+Ni)/15;CET=C+(Mn+Mo)/10+(Cr+Cu)/20+Ni/40

3. 70 mm (2.76")

4. Up to 160 mm (6.30") available upon request

5. Hardox® 450 CR

The data in these tables may be subject to change without notice. Please download the latest version of the respective Hardox® wear plate product data sheet at www.ssab.com.

HARDOX® TUBE AND PIPES

Hardox® grade	Hardness nominal HBW	Yield strength typical MPa (Ksi)	Diameter external mm (inches)	Wall thickness mm (inches)
Hardox® 400	400	1000-1300 (145-188)	76.1-219.1 (3-8.625)	3-6 (0.118-0.236)
Hardox® 500	500	>1200 (174)	76.1-133 (3-5.24)	3-6 (0.118-0.236)

HARDOX® ROUND BAR

Hardox® grade	Hardness nominal HBW	Impact toughness CVL typical for 40 mm (1.575") J at -40°C (Ft-lb at -40°F)	CEV/CET typical for 40 mm (1.575")	Bar diameter mm (inches)
Hardox® 400 Bar	400	45 (33)	0.58/0.37	40-100 (1.57-3.937)
Hardox® 500 Bar	500		0.73/0.46	40-160 (1.57-6.3)

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