



Hardox[®] wear plate is the hardest and toughest wear steel. The unrivaled choice for extreme wear challenges.

Thanks to its combination of hardness, toughness, and workshop friendliness, Hardox[®] wear plate makes the perfect choice for equipment that needs to be wear-resistant, strong and lightweight. It is the result of continuous innovation and development in steel production.

Hardox[®] wear plate comes in a wide range of grades and dimensions. There is always a Hardox[®] wear plate that meets the challenges of your wear environment, whether it's cold, hot or corrosive. To get the most out of Hardox[®] steel, our customers get local access to our engineers and technical support teams.



Dimensions for Hardox® wear plate and sheet

Explore the world of Hardox® wear plat



hardox.com

SSAB

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)		0.55/0.363	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)

I. Max/min sliding wear by SSAB WearLaic (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-Ib 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)			

SSAB

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