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Hardox 400

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ABRASION RESISTENT PLATE

Hardox 400 is an abrasion resistant plate with a hardness of 400 HBW, intended for applications where demands are imposed on abrasion resistance in combination with good cold bending properties. Hardox 400 offers very good weldability.

Applications	Crushers, sievers, feeders, measuring pockets, skips, cutting edges, conveyors, buckets, knives, gears, sprockets, dumptrucks, loaders, industrial trucks, lorries, bulldozers, excavators, slurry pipe systems, screw conveyors, presses etc.										
Chemical Composition (ladle analysis)	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$										
Hardness	The steel is grain HBW 370-430	Treffileu.									
Mechanical Properties Typical values for 20 mm plate thickness	Yield strength R _e MPa 1000	Tens R _m MPa 1250		n Elonga	tion A ₅ % 10						
Impact Properties Typical value for 20 mm plate thickness	Test temperature °C -40 (-40° F)	,	act energy py-V, long	itudinal							
Testing		Brinell hardness, HBW according to EN ISO 6506-1, on a milled surface 0,5-3 mm below plate surface per heat and 40 tons. Tests are made for every variation of 15 mm in the thickness of plates from the same heat.									
Delivery Conditions	Q.										





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Dimensions	Hardox 400 is supplied in plate thicknesses of 3°)–130 mm. More detailed information on dimensions is provided in our bruchure 41–General product information Weldox, Hardox, Armox and Toolox–UK.					
	¹⁾ Plate thickness below 4 mm only after special agreement.					
Tolerances	Thickness tolerances according to SSAB Oxelösund thickness precision guarante AccuRollTech $^{\text{TM}}$. - AccuRollTech $^{\text{TM}}$ meets then requirements of EN 10 029 Class A, but offers more narrow tolerances. More detailed information is given in our brochure 41-General product information Weldox, Hardox, Armox and Toolox - UK.					
	According to EN 10 029.					
	- Tolerances on shape, length and width.					
	- Tolerances on flatness according to Class N (Normal tolerances).					
Surface Properties	According to EN 10 163-2					
	- Requirements according to Class A.					
	- Repair conditions according to Subclass 1.					
	(Repair welding is allowed).					
General Technical Delivery Requirement	According to our brochure 41-General product information Weldox, Hardox, Armox and Toolox - UK.					
Heat Treatment	Hardox 400 has obtained its mechanical properties by quenching and when necessary by means of					
and Fabrication	subsequent tempering. The properties of the delivery condition can not be retained					
	after exposure to service or preheating temperatures in excess of 250°C (480°F). Hardox 400 is not intended for further heat treatment					
	For information concerning welding and fabrication, see our brochures on www.hardox.com or consult our Technical Customer Service.					
	Appropriate health and saftey precautions must be taken when welding, cutting, grinding or otherwise working on the product. Grinding, especially of primer coated plates, may produce dust with high particle					

concentration. Our Technical Customer Service Department will provide further information on request.

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