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Hardox HiTuf

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ABRASION RESISTANT PLATE

Hardox HiTuf is an abrasion resistant plate with an extremely high crack resistance. Hardox HiTuf has a hardness of about 350 HBW and is intended for applications with extra high demands on the combination of toughness and abrasion resistance.

Applications	Cutting edges, demolition tools and rippers.													
Chemical Composition (ladle analysis)	mm	max % 0,20	Si max % 0,50 0,60	Mn max % 1,60 1,60	P max % 0,020 0,020	S max % 0,010 0,010	Cr max % 0,70 0,70	Ni max % 2,0 2,0	Mo max % 0,70 0,70	V max % 0,060 0,090	- , -	B max % 0,005 0,005	CEV typv. 0,55 0,64	CET typv. 0,36 0,39
	ı	CET = C	+ <u>M</u>	•	+ <u>Cr +</u> 2		Cu + Ni 15 <u>Ni</u> 40							
Hardness		HBW 310-37	'O											
Mechanical Properties Typical values	; !	Plate thickne mm 40 - 70 (70) - 1)	Yield: R _{p0,2} MPa 950 850	strength	Tensil R _m MPa 980 900	e strength	n Elo A _s % 16 16	ngation					
Impact Properties Typical values	· !	Plate thickne mm 40 - 7((70) - 1)	-	Testing cemperat °C -40 -40	ure		t energy /-V, longi		า				
Testing			at and 4										ate surface from the	2
Delivery Conditions	ı	Q.												
Dimensions		Hardox HiTuf is supplied in plate thicknesses of 40-120 mm. More detailed information on dimensions is provided in our brochure 41-General product information Weldox, Hardox, Armox and Toolox-UK.												





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Thickness tolerances according to SSAB Oxelösund thickness precision guarantee AccuRollTech™.

- AccuRollTech™ meets the 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 and Fabrication

Hardox HiTuf has obtained its mechanical properties by quenching and tempering.

The properties of the delivery condition can not be retained after exposure to service temperatures

or tempering processes in excess of 450 °C (840 °F).

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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