



## E STEEL SDN BHD (891338-A)

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**HARDOX 500** is an abrasion resistant plate with a hardness of 500 HBW, intended for applications where demands are imposed on abrasion resistance.

**Applications** : Crushers, sieves, feeders, measuring pockets, skips, cutting edges, conveyors, buckets, knives, gears, sprockets, etc.

### Hardness HBW

5/32 - 11/4 inch : 470 - 530

(11/4) - 35/32 inch : 450 - 540

### Impact Properties

Testing temperature :- 40 °C

Impact energy Charpy-V, longitudinal : Ft-lbs 22 , 30(J)

### Heat Treatment and Fabrication

HARDOX 500 has obtained its mechanical properties by quenching and when necessary by means of subsequent tempering. The properties of the delivery condition can not be retained after exposed to service or preheating temperatures above 480°F (250°C). HARDOX 500 is not intended for further heat treatment.

For information concerning welding and fabrication, see our brochures on [www.hardox.com](http://www.hardox.com) or consult our Technical Customer Service.

Appropriate health and safety 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.

## Mechanical Property

Grade	Mechanical Property		Charpy V Impact Test	
	HBW Thickness/Mpa	Elongation	Degree	longitudinal
HARDOX® 500	4-32MM	470-530	-40	J
	(32)-80	450-540		10