

THE NEW GENERATION HARDOX® WEAR PLATE















THE BEAST HAS DONE IT AGAIN

Hardox® 500 Tuf is the latest upgrade in the Hardox® range. It delivers high strength, extreme hardness and guaranteed toughness in a single wear plate.

Hardox® 500 Tuf combines the best properties from the Hardox® 450 and Hardox® 500 grades. The result is a wear steel with no real competition on the market.

Thanks to the superior resistance to dents and wear, equipment can withstand heavy impact and gain a longer service life in the most challenging environments. Since mining operations are regularly performed in freezing conditions, Hardox® 500 Tuf has the toughness necessary to cope, as the impact energy values indicate.

The toughness also allows Hardox® 500 Tuf to double as a structural material in heavy-duty mining dump bodies and

trays, mining buckets of any size and other mining-related equipment, which need to be both strong and wear resistant.

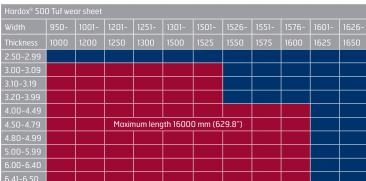
Hardox $^{\circ}$ 500 Tuf has a guaranteed impact energy of 27 J at -20 $^{\circ}$ C (20 ft-lb at -4 $^{\circ}$ F), and a typical value of 45 J at -40 $^{\circ}$ C (33 ft-lb at -40 $^{\circ}$ F). It has an unusually narrow Brinell hardness window of 475-505 HBW.

The estimated relative service life for Hardox® 500 Tuf is 85-100% longer than for Hardox® 400 according to WearCalc, based on sliding wear with granite.

WORKSHOP-FRIENDLY

Hardox® 500 Tuf can be processed by the same kind of machinery used for other Hardox® grades. Bendability recommendations are similar to those for Hardox® 450.





 $Some\ restrictions, contact\ your\ local\ sales\ representative\ for\ information$

Outside the range of dimensions

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.

115- US- Hardox 500 Tuf- The new generation Hardox wear plate-mining- V4- 2023- AplusM- Österbergs