

Since 1871

Sioux City Foundry Co.



**HARDOX®**  
WEARPARTS

# HARDOX® WEARPARTS

HARDNESS AND TOUGHNESS WORKING TOGETHER

## YOUR ONE STOP WEAR SHOP



- Value-added, high-strength steels from a leading global brand
- Extreme wear-resistance using a combination of hardness and toughness
- Improves performance & can increase service life by up to 25 times compared to mild steel
- Select from a wide range of grades for the optimum material to fit your needs
- Excellent yield and tensile strength helps maintain the structure's shape
- Withstands heavy impact without cracking
- 100% Recyclable - Helping to create a stronger, lighter & more sustainable world
- In-house production includes: cutting, machining, welding, and bending

### CUTTING EDGE PROPERTIES



**FLATNESS:** Flat plates can easily be welded to each other without problems with the welding gap.

**UNIFORM THICKNESS:** The narrow tolerances for thickness guarantees your finished structure will be as light as you expect.



**INTERNALLY RELAXED:** Careful heat treatment during production means that plates stay flat when cut into smaller pieces.

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# KEEPING ALL INDUSTRIES UP AND RUNNING



**AGRICULTURE**

**CONSTRUCTION**

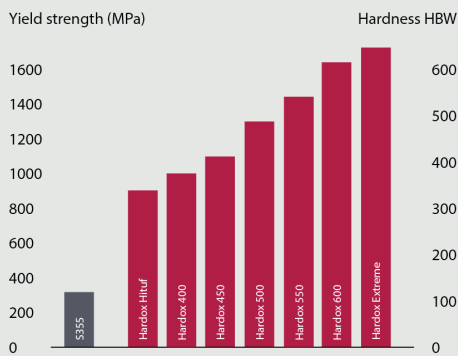
**ENERGY**

**MINING**

**HEAVY TRANSPORT**

*We service all industries providing wear products for situations where steel meets abrasive material. Hardox Wearparts will keep your production running with thousands of wear products to meet your needs.*

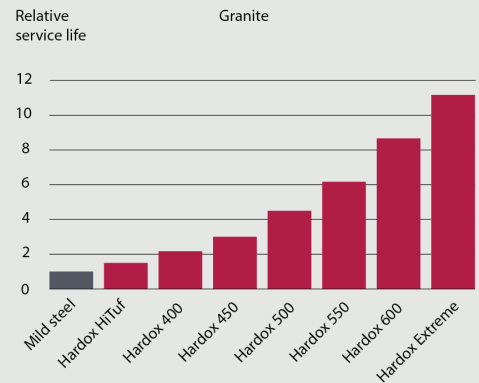
## STRENGTH AND HARDNESS



The graph presents the hardness and yield strength of different Hardox grades, ranging from 350 HB to 650 HB. The key with the high performance of Hardox is its unique combination of high hardness, strength and toughness. This allows Hardox to both resist wear and withstand heavy impact without permanent deformation or cracking.



## WEAR RESISTANCE



Optimal material selection depends on the interaction between the plate hardness and abrasiveness of the material. The chart shows the relative service life of different steel grades when subjected to wear from granite. An upgrade from mild steel to Hardox 500 can increase service life by nearly 5 times.

## FIGHTING WEAR WITH KNOWLEDGE, PRODUCTS & SERVICES



### CUTTING

Hardox material is suitable for cutting. We can process your parts using plasma, oxy-fuel, and laser cutting.



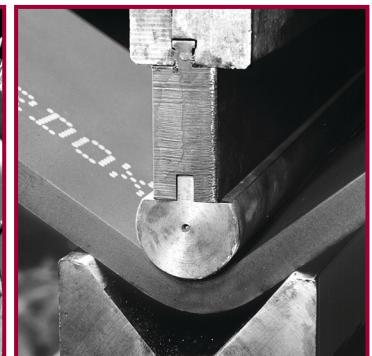
### MACHINING

Hardox material is easy to machine. Drilling, countersinking, tapping, turning, and milling are made with high-speed steel tools to ensure accuracy and durability.



### WELDING

Hardox has great weldability to any type of weldable steel. Flatness and narrow thickness tolerances make automatic welding easy, and shorten the time for fit up and tacking.



### BENDING

The uniform properties, close thickness tolerances and smooth surface make Hardox well suited to free bending and roll bending.