

QUALITY OF QUENCHED AND TEMPERED MARTENSITIC STEEL - HARDOX®

World brand awareness

Constant and guaranteed performance during the whole service life of the part in the most extreme abrasion applications.

Exceptional technical capabilities combining hardness, crack tolerance, Workshop performance.

QUALITY OF SERVICE

GIRON provides a full feedback of the raw material used.

A constant stock of standard sheets allows us to offer an efficient breakdown service with a warranty of short delivery time.

Giron is your convenience partner through a qualified and available team for your screening and technical parts required in your facilities.

FULL RANGE TO SOLVE YOUR WEAR PROBLEMS

STANDARD DIMENSIONS OF WEAR PLATES (MM): 2 000 x 1 000 - 2 500 x 1 250 - 3 000 x 1 500 (Other dimension upon request)

<p>HARDOX 400 405 HB (420 HV / 42 HRC) 1245 MPa</p>	<ul style="list-style-type: none"> ■ Heavy abrasion ■ High crack tolerance ■ Easy profiling and machining <p>APPLICATIONS : Crusher liners, reclaimer buckets, Chute liners, bunker liners</p>	<p>DIMENSION DATA</p> <p>Thickness: 3 to 130 mm Max width ≤ 3,35 m Max length ≤ 14,5 m</p>
<p>HARDOX 450 450 HB (478 HV / 47 HRC) 1410 MPa</p>	<ul style="list-style-type: none"> ■ +15% hardness and yield strength compared to Hardox 400 ■ Heavy abrasion ■ High crack tolerance ■ Easy profiling and machining <p>APPLICATIONS : Crusher liners, reclaimer buckets, Chute liners, bunker liners</p>	<p>DIMENSION DATA</p> <p>Thickness: 3,2 to 80 mm Max width ≤ 3,35 m Max length ≤ 14,5 m</p>
<p>HARDOX 500 500 HB (532 HV / 51 HRC) 1580 MPa</p>	<ul style="list-style-type: none"> ■ Heavy abrasion ■ High performance for friction wear ■ High crack tolerance <p>APPLICATIONS : Crusher liners, reclaimer buckets, Chute and bunker liners, blades</p>	<p>DIMENSION DATA</p> <p>Thickness: 4 to 80 mm Max width ≤ 3,35 m Max length ≤ 14,5 m</p>
<p>HARDOX 600 600 HB (638 HV / 57 HRC) 1940 MPa</p>	<ul style="list-style-type: none"> ■ Heavy abrasion by friction and sliding wear <p>APPLICATIONS : Mixer liners, wear strips, liners, Hammers, shredder knives, feeders</p>	<p>DIMENSION DATA</p> <p>Thickness: 8 to 50 mm Other dimension upon request</p>
<p>HARDOX EXTREME 700 HB</p>	<ul style="list-style-type: none"> ■ Heavy abrasion by friction and sliding wear <p>APPLICATIONS : Mixer liners, wear strips, liners, Hammers, shredder knives, feeders</p>	<p>DIMENSION DATA</p> <p>Thickness: 8 to 25 mm Other dimension upon request</p>
<p>HARDOX HITUF 350 HB</p>	<ul style="list-style-type: none"> ■ Wear plate for shocks and friction ■ High crack resistance ■ High welded capability <p>APPLICATIONS : Cutting edges, rippers</p>	<p>DIMENSION DATA</p> <p>Thickness: 40 to 160 mm Max width ≤ 3,35 m Max length ≤ 14,5 m</p>

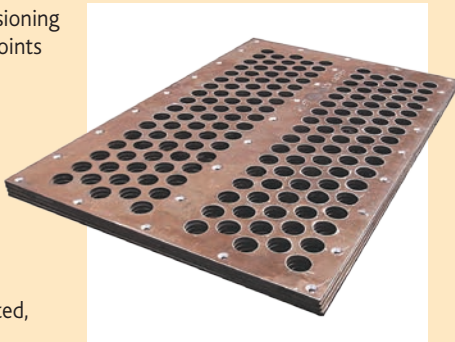
Through several tests made in the field, it is possible To increase your wear parts service life.

The use of Hardox 450 wear resistance steel may increase the service life to +25% and up to +50% compared to a 400 HB other steels available in the market, accordingly to materials processed in your installations.

WHAT GIRON PROPOSES:

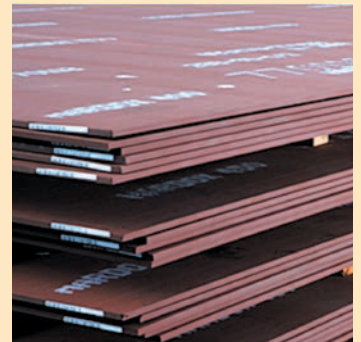
PERFORATED PLATES

- Equipped with tensioning hooks or boldding points
- Delivered plane, curved or waisted in several sections
- Several thickness and grade quality available
- All types of mesh : square, round, slotted, hexagon



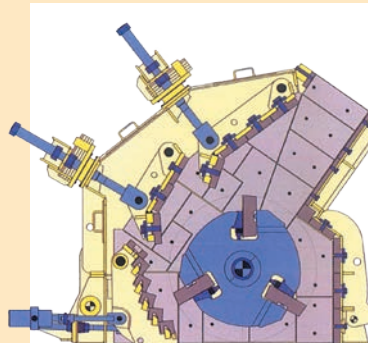
SOLID SHEETS

- Standard or customized dimensions
- Several thickness and grade quality available (Hardox, Weldox, Overlay)
- Constant stock and traceability



TAILORING PARTS

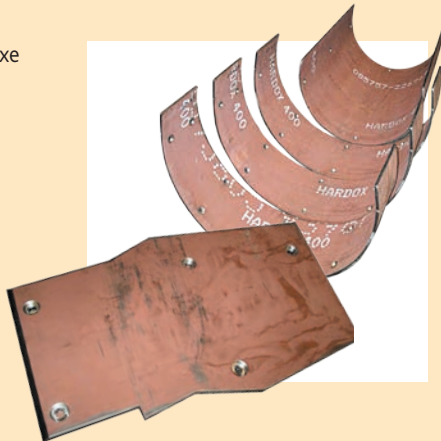
- Various applications on fixed and mobile equipments in quarry industry:
 - Crushers
 - Screening machines
 - Liners
 - Mixers
 - Feeders
 - Hoppers



- Workshop service:
 - Milling
 - Turning
 - Boring
 - Holing
 - Counterboring (thrust, CC, Oblong, pin, tapping)



- Simple and complexe wear parts:
 - Shielding
 - Ferrule
 - Insert
 - Cover
 - Cone
 - Drawer



- Finishing works through drawings:
 - Cutting
 - Bending
 - Welding
 - Simple welded subunits

