TASSCO

HD · PRODUCT SHEET

MADE IN USA

THROUGH-HARDENED HEAVY-GAUGE WEAR PLATE · 1¼" TO 5"

TASSCO® HD

Hard through 5 inches.
Tough at –50°F.



PICTURED: CAT 6040 SHOVEL BUCKET, 2" HD WEAR BARS, 4" FORMED SKIS

450 BHN
AIM · 1¼"–3"

27 ft-lb
CHARPY CVN @ -50°F

1¼–5 in
STOCKED THICKNESS

TESTED THROUGH THE SECTION

Heavy AR plate is often hard on the surface and soft in the core. HD is through-hardened, and every plate is Brinell-tested to a range set by thickness: 430–500 BHN (aim 450) for 1¼"–3", and 400–460 BHN (aim 430) over 3" to 5".

Talk to TASSCO about your application. **205-949-2725**

tassco.com

01 · WHAT IT IS

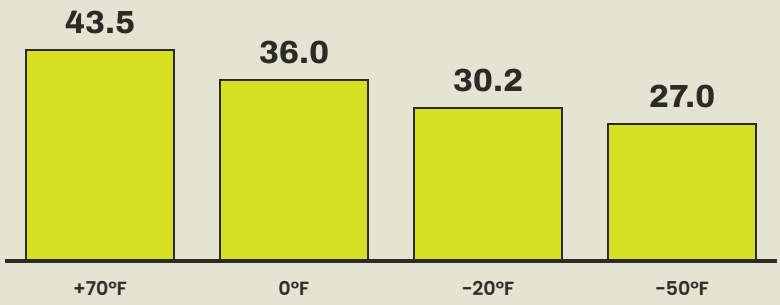
HD is through-hardened plate for heavy sections that take impact. Its lean-carbon, rich-alloy chemistry lets a full 5-inch section harden evenly to the core. Vacuum degassing and calcium treatment leave very few inclusions for a crack to start from. The result is even hardness face to face, with the toughness to take repeated hard hits without cracking or warping.

YIELD	162.6 ksi
TENSILE	219.2 ksi
ELONGATION (4D)	13%

02 · WHY IT WORKS

Tough when it's cold.

CHARPY CVN · ft-lb · 2" PLATE



ASTM A370 · Avg. of 3 longitudinal + 3 transverse.

WHAT THE TEST IS

A notched bar of HD is chilled, then broken with a swinging hammer. The number is the energy it absorbs before it snaps. Higher means tougher.

WHAT THAT BUYS YOU

Steel turns brittle as it gets colder. From +70°F down to -50°F, HD keeps over 60% of its toughness, so a liner loaded with frozen ore still takes hits without splitting at the weld. Brittle plate can fall to single digits in the cold.

Clean steel, every plate.

STEELMAKING
EAF, vacuum degassed.

CLEAN STEEL
Calcium treated, clean fine-grain steel.

HEAT TREATMENT
Quench and temper.

FORMING
Press-brake formable.

03 · APPLICATIONS

Where it earns its keep.

- Shovel & dipper liners
- Loader buckets & base edges
- Crusher liners & impact zones
- Truck box drop zones
- Hammers
- Sprockets
- Wear bars & side guides
- Mobile equipment liners

04 · AVAILABILITY

Stocked 1¼" to 5".

PLATE SIZES · W × L (IN)

96×288	96×240	96×192	96×144	96×120	48×144	48×96

Thinner than 1¼"? Ask about TASSCO XT, stocked 3/16" to 1".

Custom thicknesses, plate sizes, shape cuts, hole patterns, and forming on request.