



# WEAR SERVICES

— OLD PROBLEMS, NEW SOLUTIONS —

## HIGHWEAR 500

- **EASY TO WELD**
- **EASY TO CUT**
- **EASY TO FORM**
- **HARD TO WEAR OUT**



Designed for

Extreme Wear problems in  
Severe Service applications

**HighWear 500** is liquid quenched & tempered, and through-hardened up to 3" thick. It's high impact resistance and excellent abrasion resistance come from an ideal balance between toughness and hardness. A cost effective solution for harsh applications.

Properties (typical)

Hardness - 418-495 BHN

Tensile Strength - 235 ksi

Yield Strength - 190 ksi

Elongation in 2" - 12%

Charpy Test Toughness Index - 28 ft. lbs. @RT, 20 ft. lbs. @ -40 F.

Reduction of area - 42%

Chemical Composition (typical)

| C   | MN   | P    | S    | Si  | Ni  | Cr   | Mo  |
|-----|------|------|------|-----|-----|------|-----|
| .27 | 1.00 | .025 | .010 | .01 | .70 | 1.75 | .30 |

Availability

**HighWear 500** is available in thickness ranging from 1/4" - 3"

Applications

Screens

Crusher Liners

Cheek Plates

Dozer Blade Liners

Gyratory Crusher

Hammers

Loader Bucket Liners, Inside and Outside

Haul Truck Beds

