



## MET 500

### Through Hardened Impact Resistant Steel

MET 500 is a cast steel product combining very high impact resistance and impact wear life properties together with excellent sliding abrasion characteristics.

- **Through hardened**
- **Very high impact strength**
- **High sliding abrasion wear life**
- **Predictable, consistent wear life**
- **Plate thickness from 2" to 8"**
- **Cost effective**

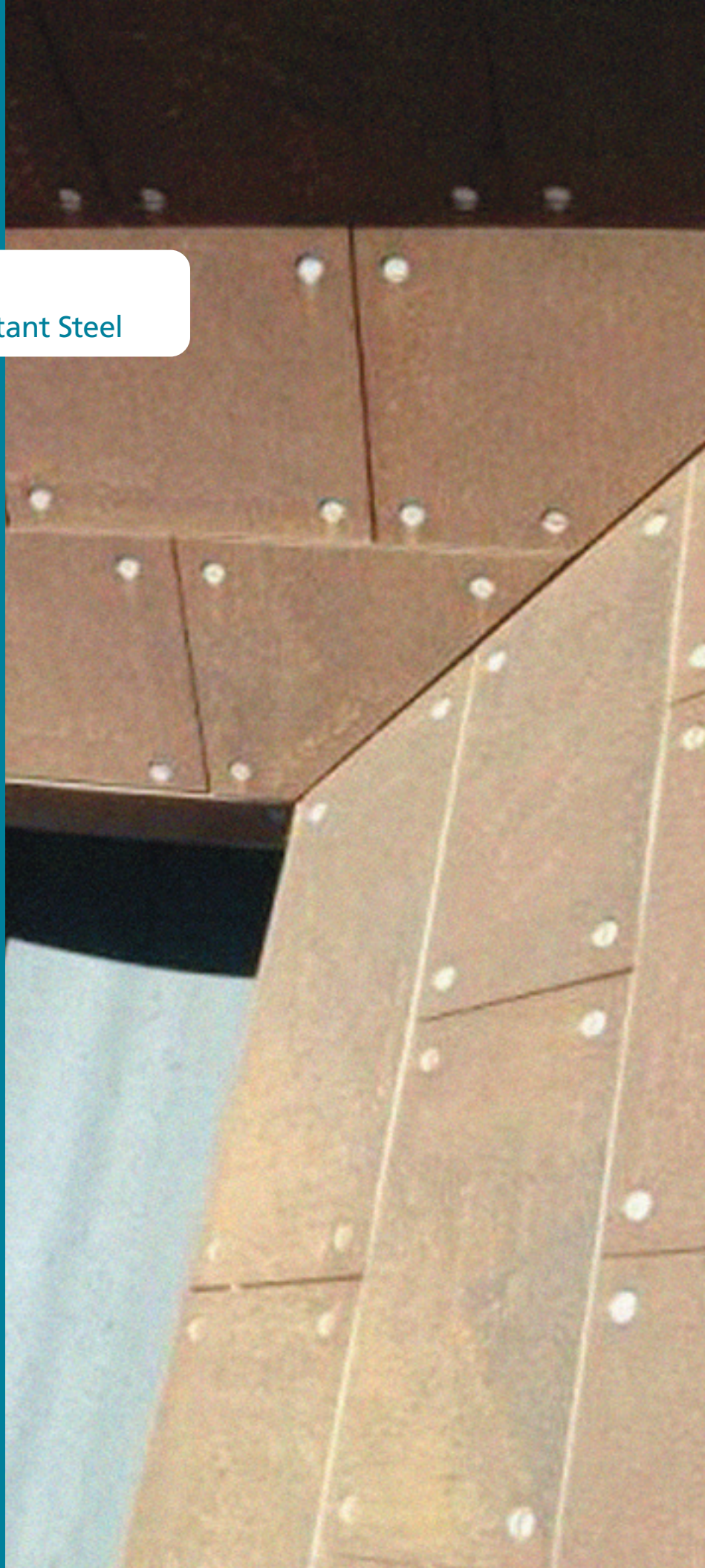
MET 500 has been successfully used in some of the most demanding of applications resulting in wear statistics displaying 25% material loss for every one million tons transferred.

MET 500 exhibits an average of 485 BHN throughout the entire thickness of the plate. This is due to the inherent chemistry of the alloy and not due to any heat treatment process.

Sizes available from 2 inches to 8 inches thick, and in all shapes – from square to multiple sided, as required.

A wide variety of handling features are available to suit specific handling systems such as "cast on lugs" and "bolt on lugs".

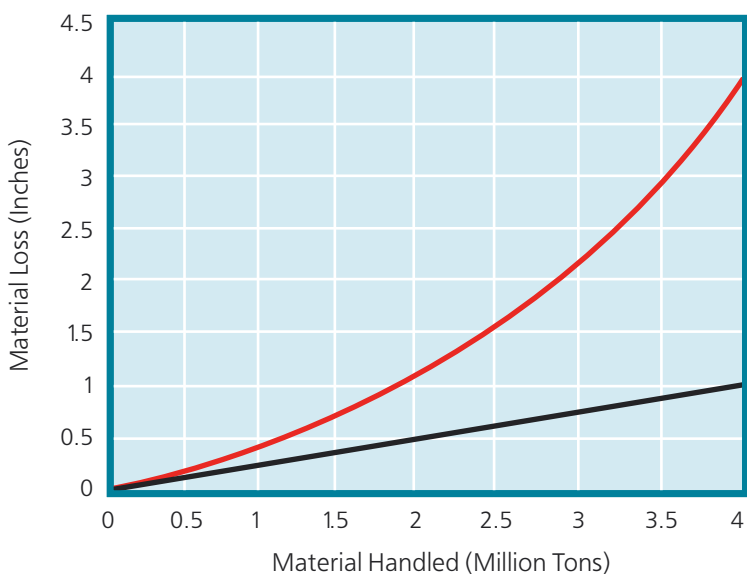
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# Mechanical Properties

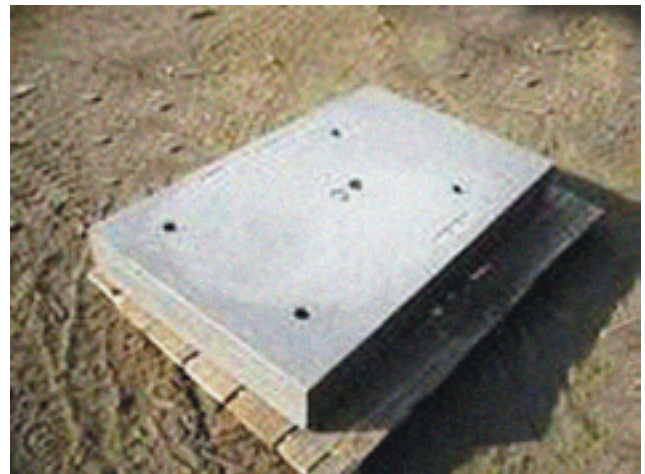
Hardness	475 to 525 BHN
Tensile Strength	>210,000 psi
Yield Strength	> 180,000 psi
Elongation	>3%
Charpy Impact Strength	>10ft/lb

## Typical Wear Life Comparison



The above graph contrasts the typical difference in material loss when using Quenched and Tempered Steel Plate vs MET500 through-hardened material.

— Q & T PLATE  
— MET500



Ore Load-Out Chute

## Application Areas:

- Ore-pass footwall protection
- Chute Linings
- Dump Stations
- Crusher Installations

**wabi**  
Reputation Earned

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