

## TRU TUF 400A

### ULTRA HI STRENGTH, THRU-HARDENED, ALLOY WEAR PLATE

*For Extreme Abrasion and Impact*

**TRU TUF 400** has excellent toughness at high hardness and in heavy sections. For severe impact and abrasion.

#### BENEFITS

- Maximum resistance to abrasion and impact
- Added nickel provides improved toughness and improved corrosion-resistance
- Withstands the brittleness which develops at subnormal temperatures
- Increased toughness and fatigue resistance
- Retains high strength and wearability at high temperatures
- High impact and wear properties retained at weld joints

#### PHYSICAL PROPERTIES

Tensile Strength	<b>230,000 PSI</b>
Yield Strength	<b>191,500 PSI</b>
Elongation in 2"	<b>17.4 %</b>
Reduction of Area	<b>55%</b>
Hardness	<b>45-48 Rockwell "C"</b>
Brinell	<b>Min 420-455</b>
Charpy Impact	<b>30 Ft/lb average at room temp</b>

#### CHEMICAL PROPERTIES

Carbon	<b>.20/.28</b>	Chromium	<b>1.10/1.75</b>
Manganese	<b>.80/1.00</b>	Nickel	<b>.40/.70</b>
Silicon	<b>.20/.30</b>	Copper	<b>.15/.30</b>
Molybdenum	<b>.15/.35</b>	Phosphorus	<b>.025 max</b>
Sulfur	<b>.025 max</b>		