

# SHEFFIELD™ 14% MANGANESE Impact Resistant Wear Plate

**Sheffield 14% Manganese** is a true Hadfield Austenitic Manganese steel for resistance to severe impact and abrasive wear. This product will work harden in service up to 500 BHN. Because this product hardens under cold work conditions care should be taken when forming, drilling or machining is being considered.

**Sheffield 14% Manganese** can be welded with standard manganese electrodes. Please use only certified personnel who are familiar working with this type of material. Drilling is not recommended for this product.

## Advantages

- RESISTANCE TO HIGH ABRASION & SEVERE IMPACT
- WILL WORK HARDENED TO 500 BHN
- CAN BE WELDED
- HAS NON-MAGNETIC PROPERTIES
- MADE TO THE TOUGHEST STANDARDS IN THE INDUSTRY FOR EXTENDED SERVICE LIFE

The following is a list of field proven applications where **Sheffield 14% Manganese** has performed extremely well, even under the toughest of conditions.

- Wheelabrators
- Shake-Out Decks
- Shot Blast Cabinets
- Sintering Seal Bars
- Scrapers
- Screens
- Crusher Liners
- Grader Blades
- Elevator Buckets
- Baffle Plates
- Stone Chutes
- Bucket Liners
- Crusher Jaws
- Hammers
- Chain Wear Bars
- Fork Lift Blades

**Past Protected Trade Name Of Pyramid Steel Company – Austomang 14%**



## Typical Physical Properties\*

Hardness (As Delivered).....	250 BHN
Tensile Strength.....	132,000 P.S.I.
Yield Strength.....	90,000 P.S.I.
Will Work Hardened To.....	500 BHN

\*Actual field results may vary depending upon the application and overall conditions of use.

## Available Sizes (Thickness)\*

1/4"	1/2"	3/4"	1-1/4"	2"
3/8"	5/8"	1"	1-1/2"	3"

\*Call for availability on all sizes.

## Available Sizes (Widths and Lengths)\*

Widths:	48"	60"	72"	96"
Lengths:	120"	144"	240"	

Call for availability on all sizes.

## Other Products\*

Also available in rounds and angles (1/4" x 2" x 2")

\*Call for availability