

# TUFFBRAZE

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Special points of interest:

Tuffbrazed is engineered to resist various types of abrasion.

The ductility and ease of fabrication give Tuffbrazed the flexibility for a wide variety of applications.

Tuffbrazed is available in a variety of sizes.

## TUFFBRAZE CAN HELP YOUR BUSINESS

Tuffbrazed is a high quality abrasion resistant liner plate engineered to provide excellent resistance to a variety of severe service abrasive applications where ductility and fabrication may be required.

- A special grade of 440 Brinell, not generic

- Quench and tempered to improve machinability and reduce brittleness

- Superior abrasion resistance

- Special nickel added chemistry providing deep hardening, not



- surface only

- High toughness for resistance to fracture, the most common wear problem, through:

- Clean Steel Technology

- Calcium treatment, promoting inclusion shape control

- Silicon killing, fine grain practice and vacuum degassing

## TYPICAL MECHANICAL PROPERTIES

<b>Tensile</b>	220,000 psi
<b>Yield</b>	200,000 psi
<b>% of elongation</b>	14%
<b>Reduction in area</b>	35%
<b>BHN hardness</b>	444 BHN

## TYPICAL TUFFBRAZE APPLICATIONS

- Bark Hammers
- Bins - Hoppers
- Blades
- Blow Tank Target Plates
- Buckets & Components
- Bucket Lips
- Chipper Hoods & Components
- Chip Silo Components
- Chutes
- Conveyors & Liners
- Crusher Components
- Cyclones
- Debarking Drum Components
- Drums & Sprockets
- Dust Collector Systems
- Fan Blades & Housings
- Flatback Elbows
- Flights
- Flume Liners
- Hammers
- Hammer Mill Liners
- Heel Plates
- Hooks
- Impact Plates
- Jack Ladder Components
- Lift Forks
- Liner Plates
- Log Decks
- Mine Cars & Equipment
- Pins
- Sand Systems
- Scrap Handling Equipment
- Scraper Blades
- Screens
- Shakeout Machines
- Shot Blast Equipment
- Skip Cars
- Speed-up Rolls
- Sprockets
- Truck Body Liners
- Washers
- Wear Plates

*“Tuffbraze plates come in standard 4, 6, and 8 ft. widths and 4, 8, 12 and 24 ft. lengths. We can cut to size upon inquiry.”*

## TUFFBRAZE STOCKING SIZES

thick.	4x4	4x8	4x12	4x24	6x8	6x12	6x24	8x12	8x24
1/4									
3/8									
1/2									
3/4									
1									
1-1/4									
2					Sizes not available				

\*LARGER SIZES AVAILABLE UPON INQUIRY