

The Daily Grind

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Volume 12, Issues 11 & 12

Now Offering

Replacement Tips
Fixed & Swing Hammers
Grates
Mill Shafts
Wear Plates
Deflector Shields
Belting
Nuts & Bolts
Rotors



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USM Offers High Quality Tips

Replacement tips are our core business. USM customers have played a vital role in their development. We have listened to your feedback and have manufactured our tips to suit your needs.

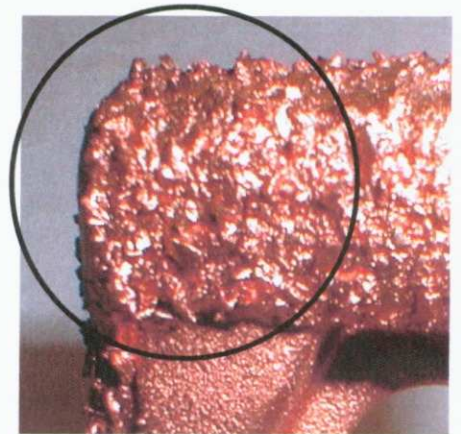
USM tips are **forged** rather than cast or machined from a bar or plate of steel. The material we use in our forgings ensures maximum durability. In fact, this same alloy is commonly used in aircraft framework.

USM applies long-wearing **Tungsten Carbide** to the working areas of our tips using our own customized equipment, making our tips truly unique in the grinding industry.

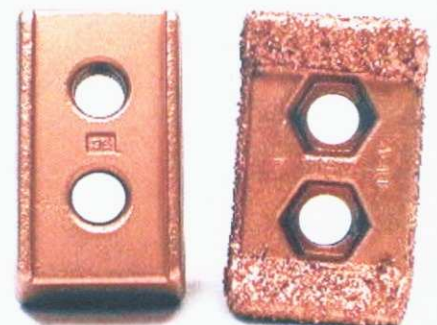
In the environment of your spinning mill, you have tremendous forces working against everything we are trying to accomplish. The speed and impact of hammers striking the material can and will move the replaceable tip in any way the clearance between the bolt, tip, and hammer body will allow. Every time the tip moves on the hammer body, it stresses the bolts. Soon the tip is loose on the hammer. Once this happens, it does not take long before the bolts break and the tip comes off of the hammer.

The **patented design of the USM Saddle-Back Tip** gives more support between the tip and hammer, alleviating the stress on the bolts. With less stress on the bolts, your tips will stay on your hammers longer.

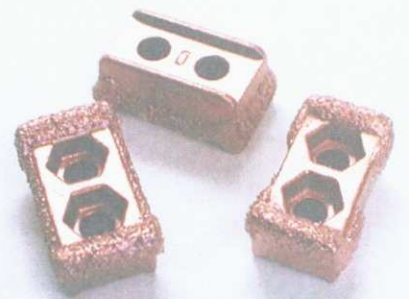
When you are ready to purchase your wear parts, remember to stay with the **genuine USM name** for parts that will simply outlast and out perform the competition!



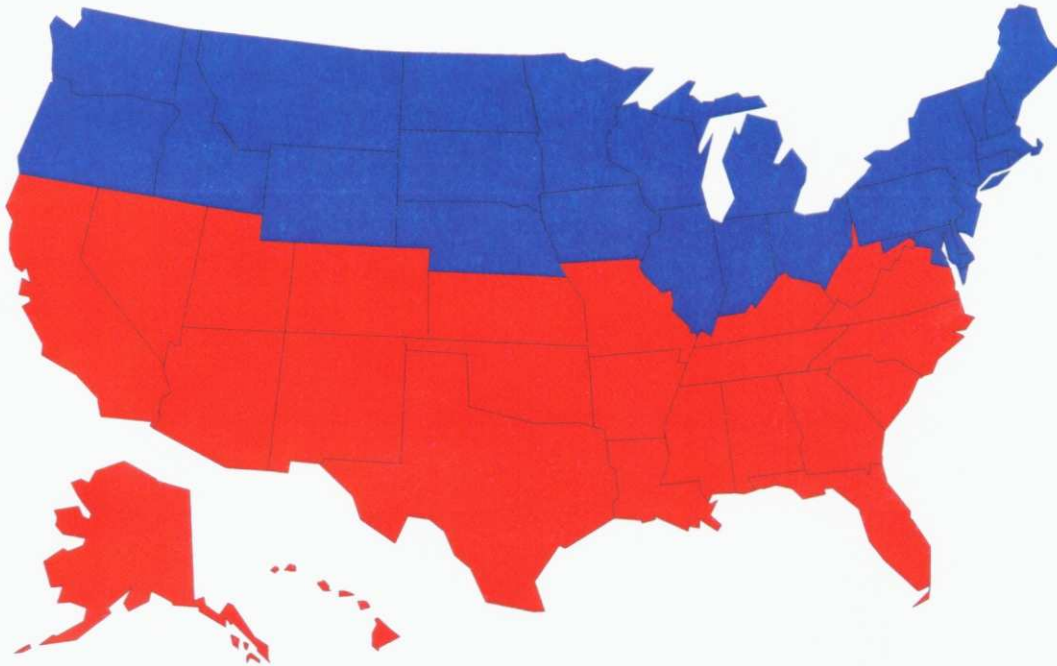
USM Forged Tip with Tungsten Carbide Hard Surface Weld



USM Saddle-Back Design Tips
Patent #6,131,838
Issued 10/17/2000



The USM Sales Team



Carl Thielen
Regional Sales Manager
Northern Territory



Laurie Drum
Regional Sales Manager
Southern Territory

Your experts in the wear parts industry!

USM Bolts



Did you know that a non-plated bolt is stronger than a plated bolt?

An SAE grade 8 3/4-10 non plated bolt is rated at 378 ft. lbs. maximum torque. The same plated bolt is only rated at 282 ft. lbs. maximum torque.

The plated bolt may look better, and is also more resistant to rust, but it will not withstand the same stress as the non plated bolt.

A 3/4-10 non-plated grade 8 bolt is rates at 378 ft. lbs. maximum torque while the 3/4-16 non-plated grade 8 bolt is rated at 420 ft. lbs. maximum torque.

OVER 600 GRATED DESIGNS

Make USM Your Source for Grates



- ⇒ Plasma Arc Cut AR 400 Steel
- ⇒ CAD Design Structural Webbing
- ⇒ 3 Quality Control Inspections
- ⇒ Optimum Through Put for Maximum Strength

GRATES - GRATES - GRATES - GRATES

USM Evergrates - Made with A36 Steel

Morbark 1250/1300:

#0107-0000 - 3" x 5" D
 #0109-0000 - 3" x 3" S
 #0110-0000 - 4" x 6" R
 #0210-0000 - 2" x 2" ST
 #0218-0000 - 4" / 6" DM
 #0290-0000 - 4" x 6" D
 #0291-0000 - 5" / 7" DM
 #0332-0000 - 3" RO (SP)
 #0333-0000 - 1 1/2" RO (SP)
 #0336-0000 - 4" x 4" S (SP)
 #0345-0000 - 5" x 7" HD (SP)
 #0344-0000 - 1" RO (SP)
 #0460-0000 - 1" x 5" D (SP)
 #0551-0000 - 2 1/2" RO (SP)
 #0457-0000 - 2" SS (SP)
 #0455-0000 - 2" RO (SP)
 #0511-0000 - 4" x 6" RS (SP)
 #0458-0000 - 1 1/2" SS (SP)
 #0774-0000 - 1" RO (SP)
 #0732-0000 - 3 1/2" x 2 1/2" DD
 #0691-0000 - 5" x 7" D (SP)
 #0686-0000 - 7" x 12" R (SP)
 #0591-0000 - 1 1/4" S (SP)
 #0594-0000 - 1.5" x 5" D (SP)
 #0593-0000 - 2.5" S (SP)
 #0490-0000 - 2.5" SS (SP)

Diamond Z 1463:

#0193-0000 - 4" x 6" RS
 #0197-0000 - 3" x 5" D
 #0217-0000 - 6" x 9" RS
 #0274-0000 - 2" x 5" D
 #0372-0000 - 2" SS
 #0483-0000 - 1 1/2" SS
 #0410-0000 - 4" x 5" RS
 #0354-0000 - 6" SS
 #0498-0000 - 1 1/2" RO
 #0784-0000 - 1" RO
 #0739-0000 - 1 1/2" RO
 #0701-0000 - 2" RO
 #0542-0000 - 2" x 2" Daim
 #0541-0000 - 2" x 2" S
 #0748-0000 - 3" x 4" R
 #0308-0000 - 5" x 7" R

Diamond Z 1036:

#0407-0000 - 3" x 5" D (SP)
 #0406-0000 - 4" x 5" RS (SP)
 #0433-0000 - 2 1/2" RO
 #0475-0000 - 2" S
 #0434-0000 - 3" x 5" @45
 #0493-0000 - 4" RO
 #0474-0000 - 6" P

Morbark 1400:

#0376-1000 - 5" x 6" Center
 #0376-2000 - 5" x 6" Side
 #0377-1000 - 6" x 6" Center
 #0377-2000 - 6" x 6" Side
 #0378-1000 - 6" x 9" Center
 #0378-2000 - 6" x 9" Side
 #0379-1000 - 2" x 4" Center
 #0379-2000 - 2" x 4" Side
 #0380-1000 - 2" Center R
 #0380-2000 - 2" Side R
 #0381-1000 - 3" x 5" Center
 #0381-2000 - 3" x 5" Side
 #0382-1000 - 3" Center R
 #0382-2000 - 3" Side R
 #0383-1000 - 3" Center S
 #0383-2000 - 3" Side S
 #0384-1000 - 1 1/2" x 6" Ctr
 #0384-2000 - 1 1/2" x 6" Side
 #0464-2000 - 1" Side SS
 #0570-1000 - 2" Center S
 #0569-2000 - 4" Side RO
 #0570-2000 - 2" Side S
 #0708-1000 - 1 1/2" Ctr RO
 #0708-2000 - 1 1/2" Side RO
 #0627-1000 - 4" Center RO
 #0627-2000 - 1" Side RO

CW Mill 1254:

#523-1000 - 2" RO (SP)
 #548-1000 - 3" RO (SP)
 #523-0000 - 2" RO w/frame
 #548-0000 - 3" RO w/frame

Hogzilla:

#0587-0000 - 1.5" RO
 #0586-0000 - 2" RO
 #0585-0000 - 3" RO
 #0584-0000 - 4" RO
 #0583-0000 - 5" RO
 #0582-0000 - 6" x 6" SQ
 #0581-0000 - 8" x 10"
 #0783-0000 - 5" x 5" DD

Maxigrind:

#0641-0000 - 3.5" RO
 #0645-0000 - DD
 #0801-0000 - 2" Round
 #0802-0000 - 3" Round
 #0808-0000 - 2 1/4" Round
 #0809-0000 - 4" x 6" DD
 #0810-0000 - 3" x 5" DD

Morbark 1100/1200:

#0132-0000 - 3" x 5" D
 #0133-0000 - 4" x 6" RS
 #0134-0000 - 4" x 6" DM
 #0135-0000 - 2" x 2" ST
 #0208-0000 - 3" x 3" ST
 #0209-0000 - 3" x 5" RS
 #0387-0000 - 1 1/2" RO
 #0388-0000 - 1 1/2" S
 #0395-0000 - 1 1/2" DD
 #0425-0000 - 4" S
 #0482-0000 - 2" RO
 #0638-0000 - 3" RO
 #0540-0000 - OPEN DEMO

#0762-7500 - 3" x 3" SQ
 #0782-0000 - 1 1/4" RO

Diamond Z 1260:

#0229-0000 - 2" x 2" ST
 #0251-0000 - 6" x 9" RS (SP)
 #0358-0000 - 1 1/2" RO
 #0225-0000 - 3" x 5" D
 #0227-0000 - 5" S
 #0226-0000 - 4" x 6" RS
 #0228-0000 - 4" S
 #0398-0000 - 3" S
 #0405-0000 - 2" R
 #0437-0000 - 2" x 5" D
 #0371-0000 - 2" x 5" H
 #0503-0000 - 5" x 7" DD
 #0463-0000 - 5" x 7" RS
 #0417-0000 - 6" x 9" RS
 #0607-0000 - 2" x 3" D
 #0576-0000 - 2 1/2" SQ
 #0524-0000 - 3" RO
 #0499-0000 - 5" x 7" DD
 #0692-1000 - 6" x 6" 1" TH

WHO:

#0246-0000 - 4" RO
 #0261-0000 - 3" RO
 #0262-0000 - 2" RO
 #0426-0000 - 1 1/2" RO
 #0394-0000 - 1 1/4" RO
 #0597-0000 - 3" RO
 #0779-0000 - 1 1/2" RO
 #0777-0000 - 2" RO w/Frame
 #0601-0000 - 4" RO
 #0531-0000 - 6" x 9" RS
 #0440-0000 - 1 3/4" RO
 #0682-0000 - 1" RO
 #0621-0000 - 4" RO
 #0618-0000 - 6" RO

Morbark 1000:

#0605-0000 - 1 1/2" RO
 #0624-0000 - 4" x 6" RS
 #0575-0000 - 4" x 6" RO
 #0561-0000 - 1 1/4" RO
 #0602-0000 - 2" SQ
 #0699-0000 - 3" x 5" D
 #0683-0000 - 3" SQ
 #0528-0000 - 1" RO
 #0350-0000 - 2" x 4" D

Duratech/Haybuster HD-8:

#0391-0000 - 4" RO (SP)
 #0705-0000 - 6" x 6" SQ
 #0478-0000 - 6" x 8" RS

Duratech/Haybuster HD-10:

#0240-1000 - 4" RO
 #0241-1000 - 2" RO
 #0242-1000 - 3" RO
 #0416-0000 - 1 1/4" RO
 #0449-0000 - 8" RO
 #0623-0000 - 1.5" SQ
 #0704-0000 - 6" x 8" R
 #0488-0000 - RS

Duratech/Haybuster HD-12:

#0642-1000 - 1" RO
 #0615-1000 - 1 1/2" RO
 #0390-1000 - 3" RO
 #0353-1000 - 4" RO
 #0450-1000 - 8" RO (SP)
 #0481-0000 - 4" SS
 #0653-0000 - 6" x 7" R
 #0462-0000 - 2" RO
 #0791-0000 - 2" SQ

Diamond Z 1352:

#0789-0000 - 1 1/2" RO
 #0788-0000 - 1 1/4" RO
 #0787-0000 - 1" RO
 #0785-0000 - 2" x 5" D

Diamond Z 1248:

#0230-0000 - 3" x 5" D
 #0231-0000 - 4" x 6" RS
 #0232-0000 - 5" x 5" ST
 #0233-0000 - 4" x 4" ST
 #0234-0000 - 2" x 2" ST
 #0252-0000 - 6" x 9" RS
 #0494-0000 - 1 1/2" RS
 #0495-0000 - 1 1/2" SS
 #0386-0000 - 2" x 5" D
 #0385-0000 - 3" x 5" D
 #0404-0000 - 5" x 9" S
 #0559-0000 - 2" RO

KEY:

H = Herringbone
 SS = Square Staggered
 P = Progressive

DM = Demolition
 D = Diagonal
 HD = Heavy Demolition
 RS = Rectangular Staggered
 R = Rectangular

SQ = Square
 RO = Round
 SP = Special Order
 DD = Diamond

If you don't see
 the grate size
 you are looking for,
 just call us for a quote!

USM Equipment Connection

Advertise your equipment with us 24 hours a day-worldwide!
 Call Julie Mildenhall at 800-800-1812.
 A free service to usm customers—limited to space availability.

ENVIRONMENTAL SOLUTIONS FOR THE 21ST CENTURY

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Return Service Requested

1993 Haybuster HD-12 Price: \$69,000 * 525HP CAT
 New Clutches * Less than 150 hours * Located in Corvallis, OR
 Contact Michael at Bark Time Landscape
 Ph: 541-752-1267 or 541-231-0746
 E-Mail: thompson5959@aol.com (photos e-mailed on request)

Like New 365 Vermeer Horizontal Grinder
 CAT engine less than 2,000 hours
 Priced to Sell * Call Joe at (630) 871-0108

1997 Maxigrind 460
 500HP CAT 3406 Engine - \$85,000
 Good working condition * Applications include C & D debris, shingles, sheetrock, stumps, etc. * Located in Maine, USA
 Call Karen Edwards @ Resseract Inc. (866) 263-8484 or (660) 269-8484 or e-mail at kedwards@resscorp.com

2004 Morbark 1250/1300 Tub Grinder
 350 hours 860 HP CAT Engine \$425,000.00
 Never Used in Woods—Only On Wood Yard
 Contact Dennis Slade @S&B Roll Off
 #678-300-0280 Fax #770-504-0844

1999 Morbark 727S Portable Trommel Screen
 Asking Price: \$110,000
 Approximately 1,900 Hours
 Contact Leroy Hall at Green Waste Recycling
 Phone: 620-237-4623 Fax: 602-237-9037

1999 Duratech HD-10P Industrial Grinder
 CAT 3406 600 HP Engine * Asking \$85,000
 Contact Jamie Hooper @ CBC Equipment, LLC
 Phone: 704-660-5111 Fax: 704-660-5969 E-Mail: cbcsawalls@aol.com

2002 Vermeer TG-525
 \$175,000
 2000 hours with 6,000 hour warranty /5 years
 CAT 525 HP Engine * Excellent Condition * Hydraulic Stabilizers
 Auto Tub Cover * Magnetic Head Pulley
 Contact Scott Lowe @ Lowe Products 303-876-2546

2001 Peterson Pacific 5400
 a little over 6000 hours 3412 CAT Engine
 Asking \$169,999
 Contact Kevin Engelhardt
 #239-633-9049