

# Castings and Rotors

Design + Expertise Equals a Perfect Match



**Riverside Engineering**  
Makers of the MEGASHREDDER®

**866.764.7567**  
**megashredder.com**



## CASTINGS

Designed to provide the lowest cost per ton, we provide a complete line of Casting products. Our unique combination of engineering design and manufacturing expertise ensures a perfect match to your application.

### Complete Line of Wear Parts

- » Hammers
- » Grates
- » Pin Protectors
- » Reject Doors
- » Liners
- » Caps
- » Feed Roll Teeth
- » Anvils



INTEGRATED  
RELATIONSHIP  
WITH PROVEN,  
DEPENDABLE  
FOUNDRIES



INDEPENDENT  
QUALITY  
CONTROL  
LAYERED WITH  
THE FOUNDRY'S  
OWN QUALITY  
CONTROL



VERIFIED  
CHEMISTRY OF  
CASTINGS  
AT LAB IN  
UNITED STATES

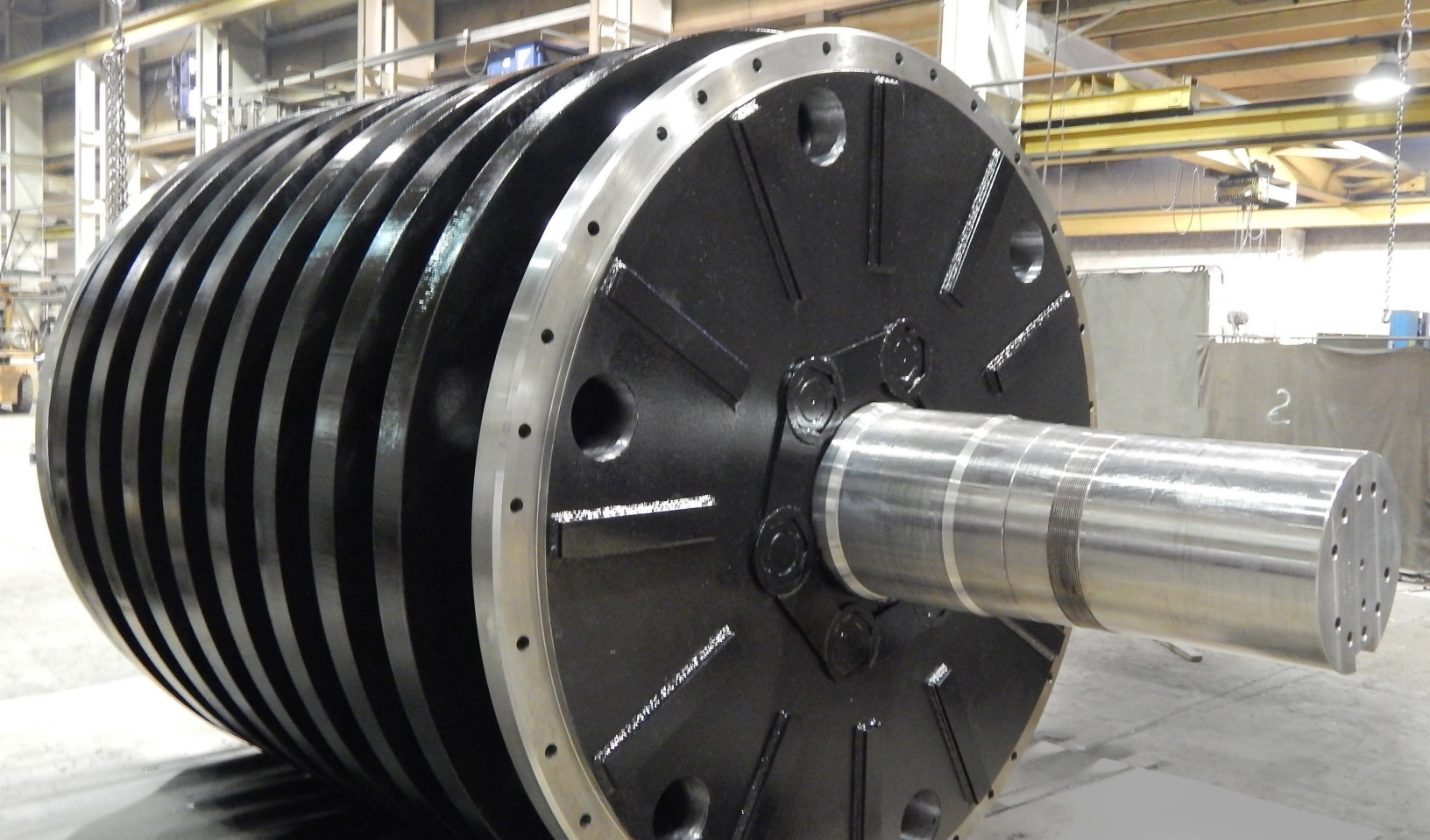


PROVEN  
HADFIELD  
MANGANESE



COMPETITIVE  
PRICING  
WITHOUT  
COMPROMISING  
QUALITY





## ROTORS

Developed and built to perfection, we offer a unique combination of engineering design and manufacturing expertise. In addition, Riverside offers rebuilds of existing rotors at your site or at one of our fabrication shops.

### Standard Rotor Rebuild Services

- » Disassembly of Rotor, remove Discs/Spiders
- » Shaft testing: ultrasonically & mag particle
- » Machine main shaft body for reuse
- » Re-mill keyways
- » Evaluate and cleanup spacers for reuse
- » Supply new Tie Rods, Nuts & Key Stock
- » Reassembly of components with shrink fit
- » High-quality disc hard-facing
- » Refurbishment of shaft journals
- » Refurbishment of bearing assemblies



DISC & SPIDER  
CONFIGURATIONS  
MADE OF  
PROPRIETARY  
PLATE OR CAST  
ARMOR STEEL



ROTOR SHAFTS  
ARE  
HIGH-GRADE  
FORGED ALLOY,  
VACUUM  
DEGASSED FROM  
US SOURCES



PRECISION SHRINK  
FITTING FOR  
OPTIMAL DISC/  
SPIDER ADHESION  
FOR LONGER  
SERVICE LIFE



RIVERSIDE  
TEAM HAS  
DESIGNED AND  
MANUFACTURED  
HUNDREDS  
OF SHREDDER  
ROTORS



EVERY ROTOR  
ASSEMBLY  
ASSIGNED PROJECT  
MANAGER FOR  
TIMELY DELIVERY  
OF HIGH-QUALITY  
ROTORS





**B-p26**

SHAFT, 1045 Ø7-1/2" STOCK, MACHINE  
SCALE 1/8  
2 REQ'D

SECTION A-A  
SCALE 1/4

**B-p27**

SHAFT, 1045 Ø4-1/2" STOCK, MACHINE  
SCALE 1/8  
2 REQ'D

SECTION A-A  
SCALE 1/8

**B-t10**

Ø7.00 O.D. x 1/2" WALL x 7.00 I.D., SAW CUT  
SCALE 1/8  
1 REQ'D

SECTION A-A  
SCALE 1/8

**B-t11**  
TUBING, DOM 5.00 O.D. x 3/8" WALL x 4.25 I.D., SAW CUT  
SCALE 1/8  
1 REQ'D

ASSEMBLY B-03 TAIL P  
B-s01 & B-s02 AS SHOWN  
B-02 AND BALANCE AT

Ø17/32 DR. THRU  
ON Ø4.625 B.C. EQ. SP.  
AS SHOWN

0.06 X 45°  
2 PLCS.

1.00

0.50

0.06 X 30°  
2 PLCS.

R0.09-2 PLCS.

SECTION A-A  
SCALE 1/4

**B-s01**

SHAFT, 1045 Ø5-15/16" STOCK, MACHINE  
ON-DRIVEN STUB SHAFT FOR Ø2-7/16" BRG  
SCALE 1/4  
1 REQ'D



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Ø4.502<sup>+0.002</sup><sub>-0.000</sub>  
2 PLCS.

Ø29/64 DR. THRU  
1/2-20 UNE TAP THRU  
ON Ø5.375 B.C. EQ. SP.  
AS SHOWN-2 PLCS.

PL 1/2" A36

SEE P. 2