

MAGNOLIA

METAL CORPORATION

10 REASONS WHY YOU SHOULD USE MAGNOLIA CDA 936 BRONZE (MODIFIED SAE 64)

With its higher, well-dispersed lead content and its significantly lower tramp zinc, Magnolia Modified SAE 64 Bronze is specifically formulated for the needs of steel mills, compressor manufacturers, oil refineries, and heavy industry. A bronze bearing is designed to be a sacrificial part, to protect as well as support the more critical shaft. Labor and downtime are more costly than ever; barely 20% of the expense of a maintenance job is the bronze part. Here's why you should be using Magnolia Modified SAE 64 Bronze:

1. Built-in safety valve resists scoring.
2. Bearings run cooler.
3. More tolerance of dirt, foreign matter.
4. Better survival of interruptions in lubrication.
5. 1 ½ times more resistant to pounding.
6. Corrosion resistant.
7. 13% more freely machining.
8. Less tool wear.
9. Isotropic or even crystal structure.
10. Continuous or steel cast - no blowholes, sand inclusions, etc.

LABORATORY TESTS PROVE IT:

Tests run by a national laboratory proved Magnolia CDA 936 consistently out-performed CDA 932 under grueling conditions. Bearings of CDA 936 and CDA 932 had rapidly increasing loads applied under marginal lubrication and were run until temperatures exceeded 400°. Magnolia CDA 936 showed superior resistance to galling and took a higher load before reaching 400°.

More importantly, under these severe conditions CDA 932 wore out as much as 3 times faster than CDA 936! In NO TEST did the CDA 932 out-perform the Magnolia CDA 936.

MAGNOLIA GUARANTEES * NO REJECTS

	COMPOSITION COPPER	TIN	LEAD	ZINC
CDA 936 (MODIFIED SAE 64)	79 - 83%	6.0 - 8.0 %	11 - 13 %	<1%
CDA 932 (SAE 660)	81 - 85%	6.3 - 7.3 %	6.0 - 8.0 %	2 - 4%

TYPICAL PHYSICAL CHARACTERISTICS	ULTIMATE STRENGTH	YIELD POINT	ELONGATION	BRINELL HARDNESS
CDA 936 (MODIFIED SAE 64)	35,000 psi	21,000 psi	15%	65
CDA 932 (SAE 660)	35,000 psi	18,000 psi	15%	65

**In accordance with trade customs this guarantee is limited to replacement of defective material.*

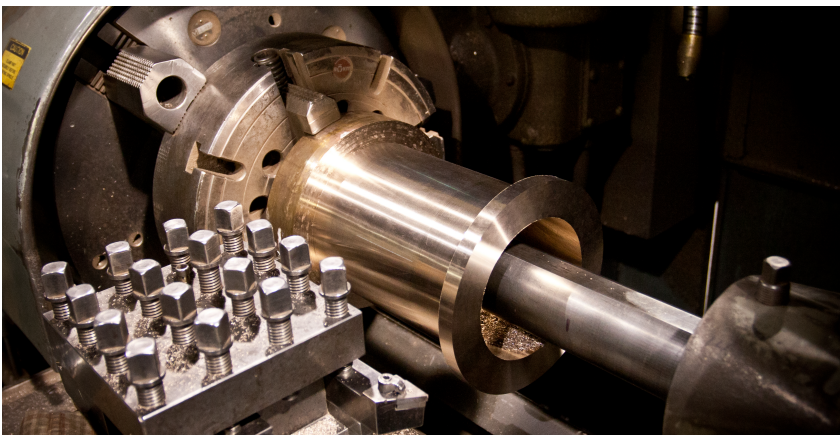


From Casting

- Continuous castings up to 12-½" O.D., 105" standard length or cut to your specification.
- Permanent mold castings up to 34" in diameter.
- Over 300 sizes in stock.
- 3,000,000 pounds of inventory on the floor available for immediate shipment.

To Semi-finished blanks

- Blanks cut and rough-turned to size eliminating waste.
- All cast continuously or in steel molds – NO SAND CASTING.
- Parts are guaranteed to be free from defects.



To Completely Machined Parts

- Ready to install.
- Made to your blueprints and specifications.
- Full detailing, milling, grooving, drilling.
- Graphite grooved or plugged parts.

- * The highest quality, completely machined, ready to use parts for your most critical requirements.
- * State-of-the-art foundry delivers consistent performance at very competitive prices.

A computerized cost system combined with modern machining equipment in our own foundry enables Magnolia to provide the most competitive prices in the industry.

**PRECISION • PRICE • PERFORMANCE
SINCE 1886**

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