Magnolia Bearing Metals Give Longer Service Under Every Kind of Load.

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Physical Characteristics

- High physical characteristics
- Long service life
- Resistant to wear and tear

Yield Strength

- 1000 psi
- 2000 psi
- 3000 psi
- 4000 psi

Power

- DZL Marine Nickel
- ZRL Marine Nickel

You can rely upon to do a job...

Babbit Metals
Magnolia Bearing Metals Give Longer Service Under Every Kind of Load...
MAGNOLIA offers the largest size range of semi-finished bronzes in both bar and bushing form in the industry today. Almost every possible combination of outside and inside diameters is available up to 26½” O.D. x 24” I.D. thus permitting you to purchase the least amount of metal to produce your required parts. It is never necessary to purchase exceptionally heavy walled castings since Magnolia’s wide range of steel molds permits the fabrication of the size you need.

Standard stock-bars of Magnolia Isotropic Bronze are all 13” long for immediate shipment. Many manufacturers attempt to cover a broad size range with comparatively few standard sizes in diameters over 5” O.D. Many competitive brands are available only in excessively heavy walled bars. This increases your purchase weight and also increases the costly machine time required to finish machine in your shops. Compare available sizes before ordering.

As noted, stock sizes are 13” long. The other standard length is 26¼” and both lengths are available in cored or solid bars from 1” O.D. through 26½” O.D.

MAGNOLIA BRONZES wear longer than ordinary bronzes. Extended bearing life is an important part of the savings made when using MAGNOLIA alloys. This means less down time, fewer costly repair jobs, and little lost production on important equipment.

MAGNOLIA Bronzes are unconditionally guaranteed to be free of all defects. This assures you of no blow-holes, no sand spots, no segregation, and most important, NO REJECTS.

MAGNOLIA ISOTROPIC BEARING BRONZE is cast in steel. This means you will never get a metal shot full of tiny diamond-hard points of sand that kill valuable tools and wear shafts. Only our casting method makes possible the dual heat-control (mold-heat and metal-heat) that assures perfect crystal control. The practical man who has broken different size gates off sand-castings knows the astonishing variation of crystal size. Under steel-cast conditions, uniform crystalline structures are always obtained. Our casting process is a tempering process. This is important because bronzes grow tougher with tempering.

**PHYSICAL CHARACTERISTICS**

| Ultimate Strength, lb. per sq. in. | 31,250 |
| Yield Point, lb. per sq. in. | 20,000 |
| Elongation, in 2 in. | 8.5% |
| Brinell Hardness | 70 |

Write for Brochure 80D For Complete Information

**METAL ALLOWANCES**

All bars are fully machined on all surfaces. They will finish to the size ordered.

- **Inside Diameter:**
  - Up to 7”…………………..-1/16” (1/32” cut)
  - 7½” I.D. and over……..-1/8” (1/16” cut)

- **Outside Diameter:**
  - Up to 8”…………………..+1/16” (1/32” cut)
  - 8½” O.D. and over……..+1/8” (1/16” cut)

DISTRIBUTED BY

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