

## **Metal alloy bearings achieve high speed of 30,000 rpm**



Self lubricating, sintered bronze and power metal alloy plain bearings from LM76 feature: Very high precision, high load capacity (to 1422 lbs/sq.in.), high speed ( to 30,000 rpm), high temperature (over 10000 F), very low coefficient of friction (0.04), and low noise. Available in inch sizes (0.250 in. to 2.500 in. ID x 2.000 in. long) and metric sizes (2 mm to 100 mm ID x 120 mm long) these bearings have applications in: Appliances such as washing machines, exercise equipment, portable machine tools, toys, motors, and automotive equipment such as alternators.

Because of the very low coefficient of friction these bearings show no wear after many thousands of hours of use. Standard inch and metric cylindrical and flanged oil impregnated bearings are typically shipped from stock, Custom bearings (ID, OD, flange size, and length) can be ordered as well as special purpose alloys. Alloys include: sintered bronze, iron sintered bronze, Paralite™ (non-migrating lubricant), and Triboloy™ (chromium, nickel, cobalt alloy for temperatures over 10000 F). Triboloy™ sintered bearings are resistant to corrosion, erosion, abrasion, and galling, and even at high temperatures they are resistant to oxidation.

LM76 also manufactures a broad variety of FDA & USDA compliant bearings and shafting, in inch sizes of .25 inches to 1.5 inches, and a FDA & USDA compliant profile rail and slide system that can easily be integrated into new and existing applications. The bearing options include: Self-lubricating FDA & USDA compliant Teflon composite bearings in a 304 stainless steel shell, and lower cost bearings with a ceramic coated shell and FDA & USDA compliant liner. Bearings are available in closed and open configurations, and are drop-in replacements for all inch sized linear ball bearings.

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Founded in 1976, LM76 has been a leading designer/manufacturer of linear bearings, slides and linear motion systems. LM76 is renowned for its industry leading Minuteman Teflon Composite linear bearings. LM76 is a leading supplier of precision linear shafting: RC60, 300 Series Stainless Steel, and ceramic coated aluminum shafting. LM76 also offers several FDA/USDA compliant linear bearings and slides for the food processing, pharmaceutical, medical, and packaging industries.

For additional information visit the Web site at: <http://www.lm76.com> [1].

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[1] <http://www.lm76.com>