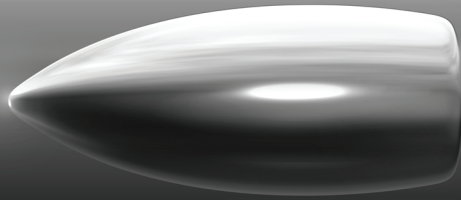


Faster than a speeding bullet? Maybe...



Truth is... we don't know for sure because we have never found an acceleration or system speed where our Black Racer Ceramic Linear Bearing has failed when properly employed.



Photo and Design by Quinn Design

LM76 Black Racer Ceramic Coated Linear Bearings have gone where no ball or roller based linear system has gone before - over 120G's acceleration. Linear ball bearings will self-destruct and rollers will fry. Whether it's rocket sleds for testing electronic components, side crash test systems for automobiles, the fastest mattress making machinery on the planet or crazy high speed/rapid oscillation for centrifugal pumping systems, LM76 Black Racer Linear Bearings are the only answer - **THE PROVEN ANSWER**. I mean flying, cooking, blinding speeds!

Black Racer Ceramic Coated Linear Bearings were the first drop-in replacements (1976) for linear ball bearings. They excel in applications where:

- 1. High Speed, Rapid Oscillation**
- 2. High Loads**
- 3. Shock & Vibration**
- 4. Contamination - Debris and Chemical**

conditions exist.

LM76 Black Racer Ceramic Coated Linear Bearings require, like all linear ball bearings, lubrication. Compared to self-lubricating PTFE linear bearings like our Minuteman Bearings, Black Racer offers a lower coefficient of friction: .04 -.08 as opposed to .15 -.25 for Teflon Composite or injection molded (plastic) linear bearings. Because of its lower coefficient of friction, it has lower "breakaway" friction - transitioning from static to dynamic motion. If that's not enough, it has the longest sustained life test of any linear bearing we know of: 100 million linear feet/100PSI Loading/100 Feet per Minute = .00004" wear. **Wow!** On top of that, the ceramic coating is FDA compliant for food contact. A little FDA grease and you have a winner. Find out why Black Racer Ceramic Coated Linear Bearings are your best option in high speed applications. For more information, call Mike Quinn 1-800-513-3163 or email: mquinn@LM76.com.

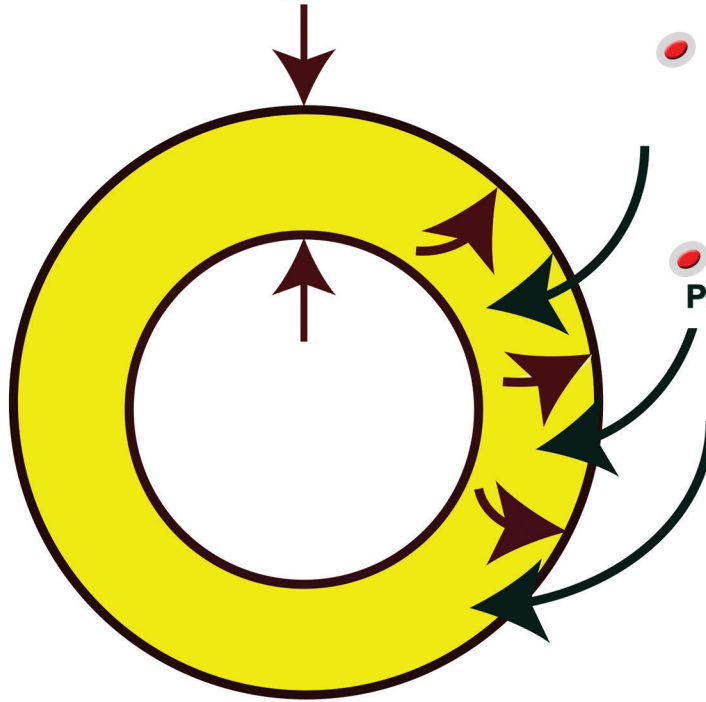
Will not Chip, Flake or Particulate...

- Alumina Oxide inherent in the aluminum substrate is extracted and reconstituted on the OD resulting in a .001" deep penetration and a .001" uniform coating on all surfaces

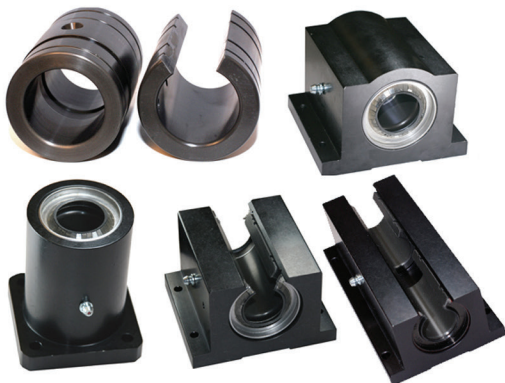
- Surface Hardness = 78Rc
- File Hard Surfaces will not chip, flake or generate particulates
- Surfaces are FDA/Washdown Compliant and Suitable for Food Contact

NOTES:

- Must be lubricated at all times. Suitable for oil and grease with the exception of silicon based lubricants
- Requires case hardened Rc60, Class L shafting: 1060 steel or 440c hardened stainless



- Proprietary Chemical Bath Penetrates Aluminum Substrate



Low Friction: .04 - .08
High Loads/High Speeds
Proven Long Life
Drop-In Replacement
FDA - Direct Food Contact