



# COBRA BLUE SURFACE TREATMENT



Cobra Blue surface treatment is a modified ferritic nitrocarburizing process which is used to achieve corrosion resistance for most bearings.

## Benefits:

- HELPS PREVENT CORROSION
- THIN PROTECTIVE SURFACE LAYER DOES NOT CHIP OR FLAKE OFF
- PERMANENTLY LUBRICATED

- The finished product is permanently lubricated and very corrosion resistant.
- Cobra Blue is a special surface treatment similar to ferritic nitrocarburizing. It is not a coating and therefore will not chip or peel off.
- When used in conjunction with EP or EPN, it provides excellent corrosion resistance, quieter performance, and improved speed capabilities of Cobra Solid Lubricants™.
- The bearing steel will appear black. With the addition of EP or EPN the bearing will also have a micro coating giving it a "wet" feel.

**Tests Prove the Anti-Corrosive  
Properties of Cobra Blue  
Bearings Comparable with  
Stainless Steel Bearings**

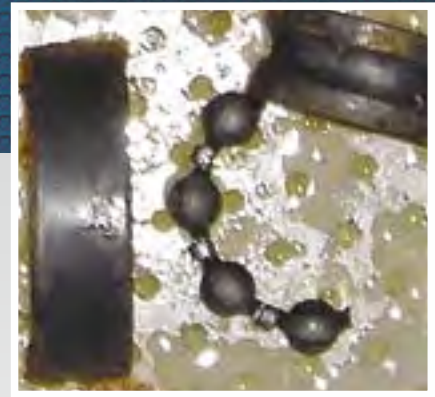




This bearing is 52100 steel. It shows extreme rust in the same test chamber as the Stainless Steel 440C bearing and Cobra Blue treated bearing.



This bearing is Stainless Steel 440C. In this test it showed rust on the races.



This steel bearing is treated with a special corrosion resistant process. It shows very little rust on the races and some rust where the bearing was cut in half after processing.

# COBRA BLUE

## THE ULTIMATE HIGH-PERFORMANCE, CORROSION RESISTANCE SURFACE TREATMENT FOR BEARINGS

- *Never requires re-lubrication.*
- *Safe for use in food applications.*
- *Ideal for use in radiation environments.*



Unique Technologies Associates works with most conveyor manufacturers and distributors. Contact Unique Technologies Associates for more information.



Cobra™ Introductory Video

