

Cobra™ Solid Lubricants



Cobra™ is a dry, graphite based, oil free lubricant specially formulated for a wide range of conveying applications including trolley wheels, Roller Turn Rolls, Uni free trolleys, Hex bore units and specialized stainless wheels used in a food environment.

Cobra™ Lubricant fills all of the space between the inner and outer race and becomes a permanent part of a bearing or trolley wheel.



Features & Benefits



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Dry lubricated bearings or trolley wheels offer the following benefits over Grease and Oil lubrication:

- Consistent, permanent lubrication over the life of the bearing or trolley wheel resulting in very low or no maintenance.
- Exceptional high temperature capability and as a dry, graphite based, oil free lubricant it will not drip out even at a continuous 660°F
- Certified NSF H1 Food Grade
- Water, steam and chemical resistance
- Will not wash out of the bearing or trolley wheel even with solvents
- Low torque, free spinning, reduced friction with no additional drag even at sub-zero temperatures.
- Effectively seals against dust, dirt and debris and there is no attraction to environmental contaminants.
- Excellent resistance to radiation and will not gum up or deteriorate in this environment.
- Complies with the paint line cratering test

Performance

- Cobra™ is more cost effective and longer lasting than competing high temperature Lubricants.
- Cobra™ is environmentally safe Green Product.
- Cobra™ can help reduce operating costs, extend maintenance intervals and improve equipment reliability.

Industries & Applications



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- Powder coating systems
- E coat systems
- Paint line systems
- In floor conveyor systems
- Assembly plant conveyor systems
- Product irradiation conveyor systems
- Bakery conveyor systems
- Poultry processing conveyor systems
- Beef processing conveyor systems
- Other food processing conveying systems



Cobra™ Introductory Video



Cobra™ is molded around the balls in a trolley wheel filling all of the remaining free space.

Applicable Bearing Types



I Beam Hanger Trolleys
X348, X458 and X678



Inverted in Floor Trolley
Wheel System



Uni Free Trolleys



Assembled Roller Turn
Rolls that will be
installed in an
overhead paint line



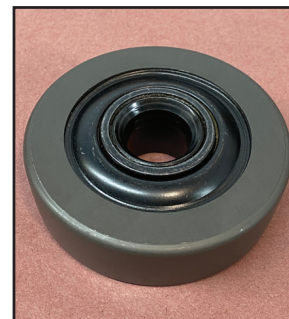
Hex Bore Units in
Live Gravity Feed Rollers



Flanged Conveyor
Wheel used in Food
Processing Equipment



Custom designed
Specialty Stainless
Wheel used in Food
Processing Equipment



Automotive Custom
Designed Conveyor
Wash System Wheels



UTA Custom Designed Roller Turn Rolls
These units are designed for a wide range of temperatures up to 660°F. 660°F is a continuous rating, CSL660 has a practical limit of 1200°F with very slow degradation over time.
Patent US 9,169,080 B2



Special Applications

Stainless Steel - Cobra Lube™ installed in a stainless-steel bearing or trolley wheel can provide a powerful combination in wash down applications and highly corrosive environments. **Cobra Blue™** used with standard steel bearings or trolley wheels may be an alternative solution. UTA can custom design and manufacture specialty bearings and wheels and may be available in a stainless option.

Formulations

- CSL is typically formulated to three temperature levels, CSL250, CSL450 and CSL660**
- Our EP additive provides an enhancement of the lubricant within a standard bearing.
- EPN consists of the EP additive combined with Nano sized particles of Tungsten Disulfide. This is usually recommended for higher load and higher speed applications.

**Please note: 660°F is a continuous rating, CSL660 has a practical limit of 1200°F with very slow degradation over time.

Limitations

- Cobra™ is an engineered solution and not suitable for every application. Please contact a UTA representative to see if Cobra™ will work for your application
- Impact load to the bearing as well as improper bearing installation may contribute to premature failure.
- If corrosion is found to be the primary cause of failure please consult with UTA for the Cobra Blue™ solution.
- Cobra Blue™ (ferritic nitrocarburizing) offers exceptional corrosion resistance to treated bearings/wheels where corrosion is a concern.

Contact Us:



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