



# Cobra Solid Lubricants™ in Food Manufacturing and Processing

Cobra Solid Lubricant™ (CSL) is a dry, graphite based, oil free lubricant specially formulated for a wide array of bearing applications.

## Features & Benefits

CSL processed bearings offer the following benefits over grease and oil lubrication:

- Certified NSF H-1 Food Grade
- Consistent, permanent lubrication over the life of the bearing 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
- Water, steam, and chemical resistant
- Will not wash out of the bearing even with solvents
- Low torque, free spinning, reduced friction with no additional drag even at temperatures as low as -150°F
- Effectively seals against dust, dirt, and debris; there is no attraction to environmental contaminants
- Excellent resistance to radiation and will not gum up or deteriorate in this environment



## Applications

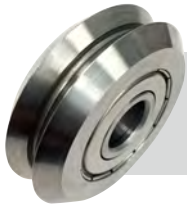
- Meat & Poultry Processing
- Bakery Processing Lines
- Bottling Lines
- Slaughtering Plants
- Agriculture
- Seafood Processing
- Snack Products Processing
- Sugar Processing
- Dairy Products
- Pet Foods & Animal Feed Processing
- Cannery Lines
- Food Packaging & Processing Lines
- Food Product Irradiation Systems
- Grain & Cereal Processing
- Beverage Processing



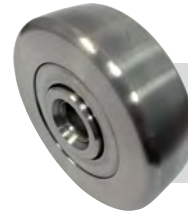




**Stainless Steel** – CSL installed in a stainless steel bearing can provide a powerful combination in wash down applications and highly corrosive environments. UTA can custom design and manufacturer specialty bearings & wheels which may be available in a stainless steel option.



**UTA Stainless Steel V-Groove Guide Wheel**  
 (comparable to Bishop Wisecarver's)  
 -Lubricated for Life with CSL



**UTA Stainless Steel Conveyor Wheel**  
 -Lubricated for Life with CSL  
 -Used in Food Processing Equipment



**UTA Flanged Conveyor Wheel**  
 -Lubricated for Life with CSL  
 -Used in Food Processing Equipment

**Cobra Blue** - (ferritic nitrocarburizing) offers exceptional corrosion resistance to treated bearings where corrosion is a concern. **Cobra Blue** used with standard steel bearings may be an alternative solution.



**UTA Custom Designed Roller Turn Rolls**  
 \*Patent No.: US 9,169,080 B2\*  
 -Lubricated for Life with CSL  
 -These super-heavy duty capacity, **ZERO** maintenance, units are designed for a wide range of temperatures up to 660°F.



**Cobra Blue Bearing (Wheel)**  
 Lubricated for Life with CSL

## Formulations

- Cobra Solid Lubricant™ is formulated for three temperature levels: **CSL250** (-150°F to 250°F), **CSL450** (250°F to 450°F), & **CSL660** (450°F+)\*\*
- CSL with EP additive (CSL-EP) provides an enhancement of the lubricant within the bearing and is highly recommended for tapered and spherical bearings in 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 Solid Lubricant™ is an engineered solution and suitable for a variety of applications. Please contact a UTA representative to see if CSL will work for your application.
- 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.



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[www.utausa.com](http://www.utausa.com)



ECO FRIENDLY



Cobra™ Introductory Video

