

## FEATURES & BENEFITS OF COOPER BEARINGS



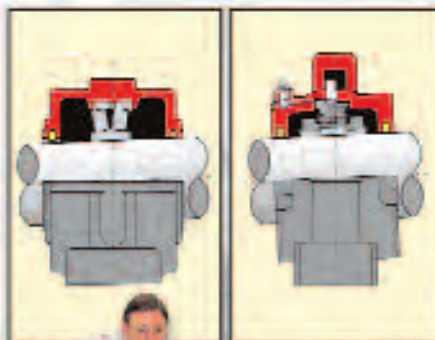
### Split to the Shaft Roller Bearings

Installed without moving adjacent equipment or machinery.  
Low cost of installation.  
Ease of replacement.  
Reduces downtime and increases uptime.  
Increases maintenance efficiency.



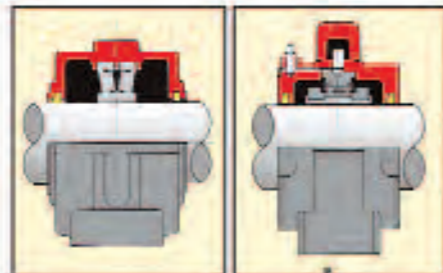
### Comprehensive Range of Housings

Meets most application requirements from the standard range.  
Pedestals available in aluminium, steel, grey iron and nodular iron including:  
flanges, rod end bearings, take-up bearings and custom bearings.



### Superior Sealing

Always remains completely sealed with the shaft. Permits up to 2.5° misalignment.  
Reduces contamination.  
Retains lubrication.  
Prolongs bearing life.  
Proven range of sealing options.



### Made to Order Products

Split or solid, thrust or radial bearings.  
Up to a shaft size of 1.5metres.  
Inspection and rework facility.  
Housings in a variety of materials.  
Watercooled bearings for continuous slab casters.



### Full Service Manufacturer

Technical and installation support service.  
Problem solving solutions a speciality.  
Vast engineering knowledge.  
Proven range of products.



### Established Global Organisation

Global distribution network.  
Local support provided by Cooper and distribution partners.



# COOPER®

## Customer Service Centres

### UK, Africa, Asia, Australasia and the Middle East

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King's Lynn  
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Fax: +44 (0) 1553 761 113



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### People's Republic of China

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West Rail Station  
Beijing 100055  
People's Republic of China  
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### USA and Mexico

The Cooper Split Roller Bearing Corp.  
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Norfolk, VA 23513  
USA  
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### Canada

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5875 Coopers Avenue  
Mississauga  
Ontario L4Z 1R9  
Canada  
Telephone: 905 890 2266  
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Locate Your Nearest Distributor by Visiting [CooperBearings.com](http://CooperBearings.com)



# COOPER®

Bearings for Cost Effective Cement Production



The World's Number One Split Roller Bearing



Bearings for Cost Effective Cement Production



The Cooper split roller bearing is a simple, cost effective product that can save you huge amounts of money gained from reducing your maintenance hours and increasing your productivity. The split feature means inspection and maintenance is cut to the minimum. In return, you gain maximum production time and an opportunity to improve your company's profitability.



The split to the shaft features saves countless hours in maintenance time. Removal of adjacent machinery and equipment is not required once Cooper bearings are installed.

#### Demonstrable Cost Savings

The solid alternative may be cheaper to purchase than a Cooper split bearing, but over time, planned and unplanned maintenance stoppages create expensive production losses.

Cooper bearing users have saved millions in maintenance costs and increased production. It is easy to prove the enormous

savings that can be made by selecting Cooper split bearings.

#### Proven Range of Products

The comprehensive range of Cooper products has been proven in some of the toughest industrial environments around the world.

The Cooper standard range of bearings in 01 Series, 02 Series and 03 Series meets the needs of most bearing users.

For those customers that require individual solutions, Cooper will work with the customer to provide a solution specific to their needs.

Cooper designed and manufactured the world's first split roller bearing in 1907 and has continually developed our products to meet the changing needs of industry around the world. No other split roller bearing manufacturer matches the Cooper breadth of knowledge and experience.

#### Inventiveness and Innovation

The name Cooper is synonymous with inventiveness, innovation and problem solving. The Cooper company is highly experienced in solving customer problems across a broad range of industries and operating conditions.

#### Vast Industry-wide Experience

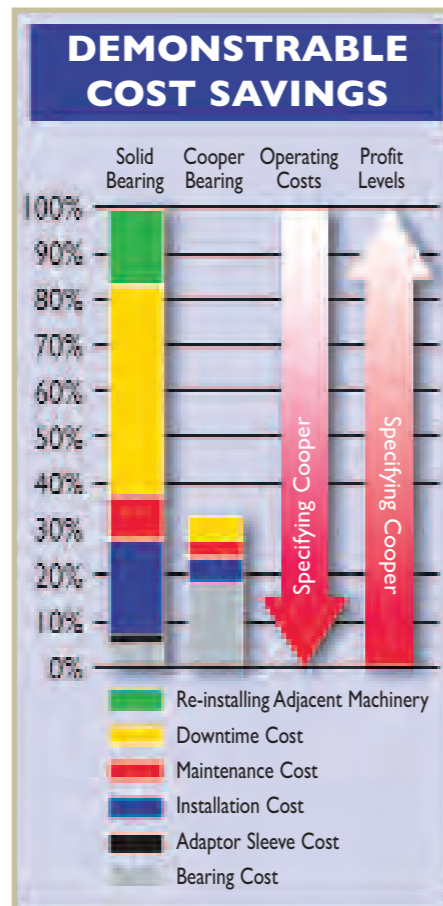
Cooper has always had great pride in having the expertise to provide engineered solutions for specialised applications. Cooper engineers have access to an extensive database of specifically engineered, proven solutions that makes the more challenging applications less of a problem to solve.

#### Service and Delivery

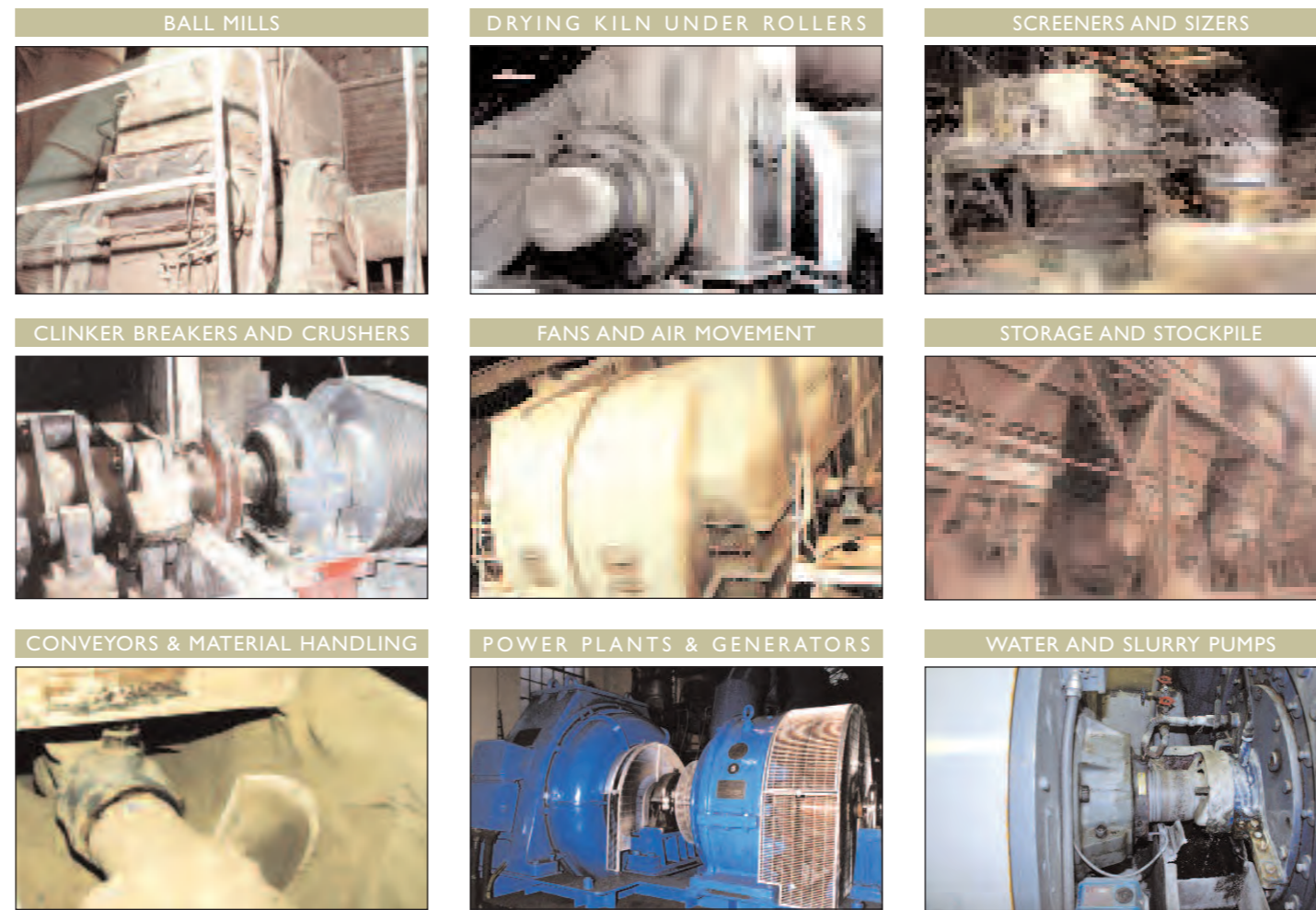
To provide faster turnaround and greater availability of stock items for our global distribution network, inventory is stocked at authorised distributors around the world.



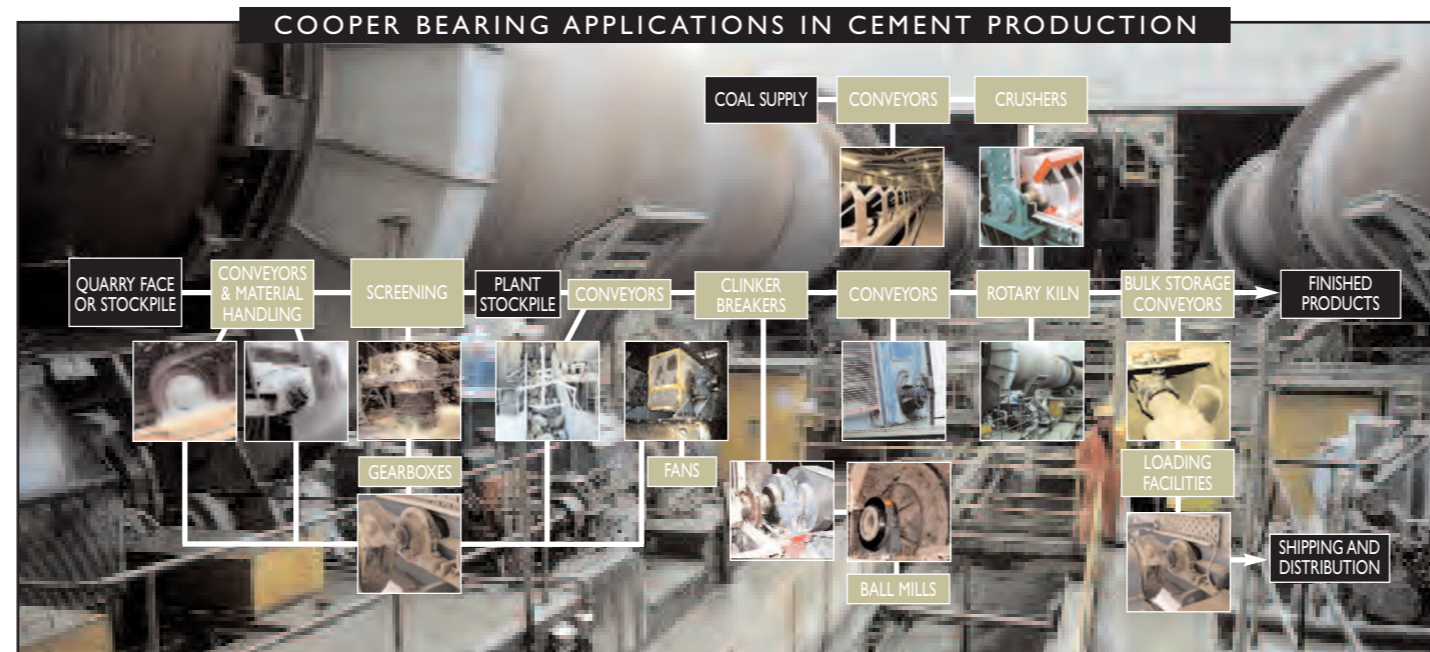
From the time of installation, all Cooper bearings will provide a return on investment. Ask your sales manager or authorised distributor to explain how you can cut maintenance time and increase profitability.



### If You Have These Applications, You Need Cooper Bearings...

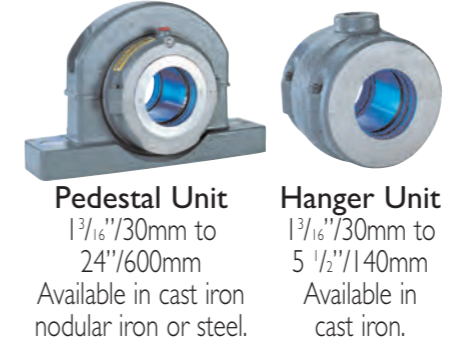


Various applications in the cement industry where Cooper bearings make a valuable contribution to profitability and cost effective maintenance are shown:

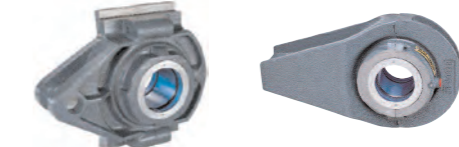


#### Bearing Mounting Options

PEDESTALS HANGER MOUNTINGS



#### TAKE UP AND ROD END MOUNTINGS



**Take Up Tension**  
1 3/16"/30mm to 6"/155mm  
Available in cast iron  
Also as push type.

**Rod End Shoe**  
1 3/16"/30mm to 6"/155mm  
Available in cast iron  
Also as tee type.

#### FLANGE MOUNTINGS



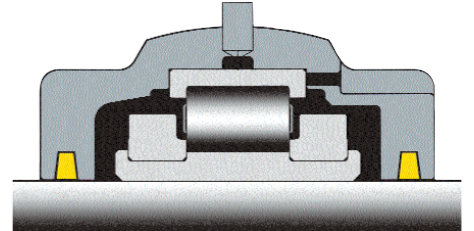
**Round Flange Units**  
1 3/16"/30mm to 12"/300mm  
Also in cast iron or steel

**Square Flange Units**  
1 1/16"/50mm to 3"/75mm  
Also in cast iron, nodular iron or steel

#### Fixed and Expansion Split Roller Bearings

##### Fixed (GR) Bearing

Bearings with grooved inner race assemblies and grooved outer races for radial and axial loads. To be fitted in GR cartridges with side screws.

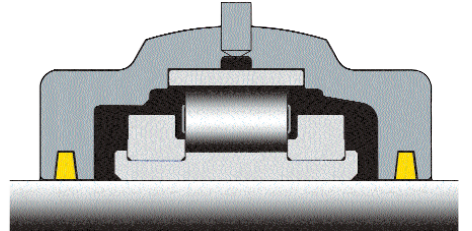


##### Expansion (EX) Bearing

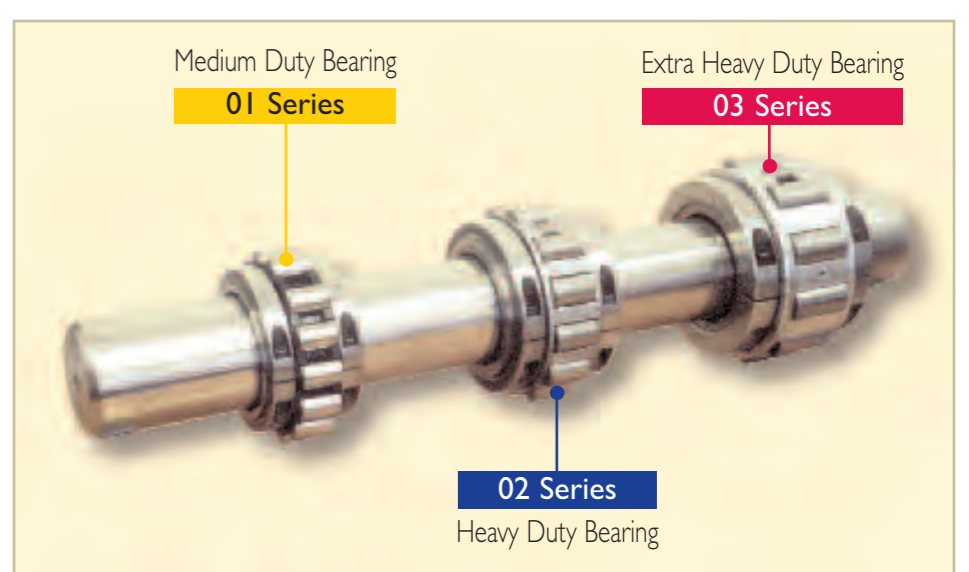
Bearings with grooved inner race assemblies and plain outer races for radial loads. To be fitted in EX cartridges without side screws.

##### Special (EX) (EXILOG) Bearing

Bearing with plain inner race assemblies and grooved outer races, must be fitted into GR cartridges with side screws.



#### 01 Series, 02 Series and 03 Series Comparison



#### A Selection From Our Comprehensive Range of Sealing Options

##### Felt (F)

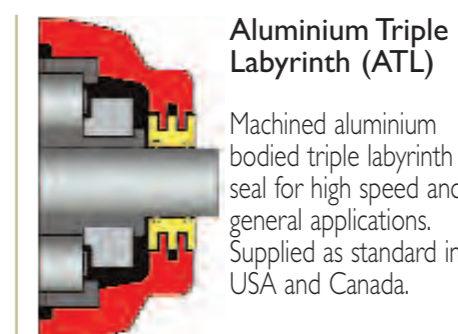
Felt is the standard seal for most applications.



Temperature limits -94°F to +212°F  
-70°C to +100°C  
Maximum speed 6000dn  
150000mm dn  
Shaft surface finish 1.6 µm Ra.

##### Aluminium Triple Labyrinth (ATL)

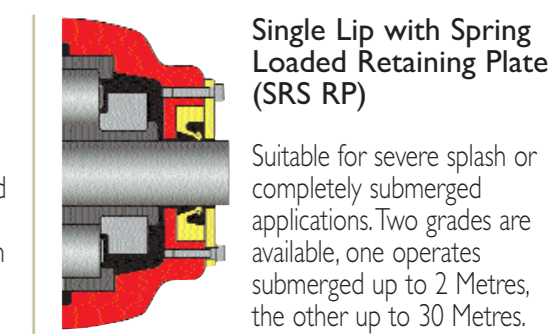
Machined aluminium bodied triple labyrinth seal for high speed and general applications. Supplied as standard in USA and Canada.



Temperature limits -4°F to +212°F  
-20°C to +100°C  
Maximum speed Bearing maximum  
Shaft surface finish 3.3 µm Ra.

##### Single Lip with Spring Loaded Retaining Plate (SRS RP)

Suitable for severe splash or completely submerged applications. Two grades are available, one operates submerged up to 2 Metres, the other up to 30 Metres.



Temperature limits -4°F to +212°F  
-20°C to +100°C  
Maximum speed 6000dn  
150000mm dn  
Shaft surface finish 0.4 µm Ra.