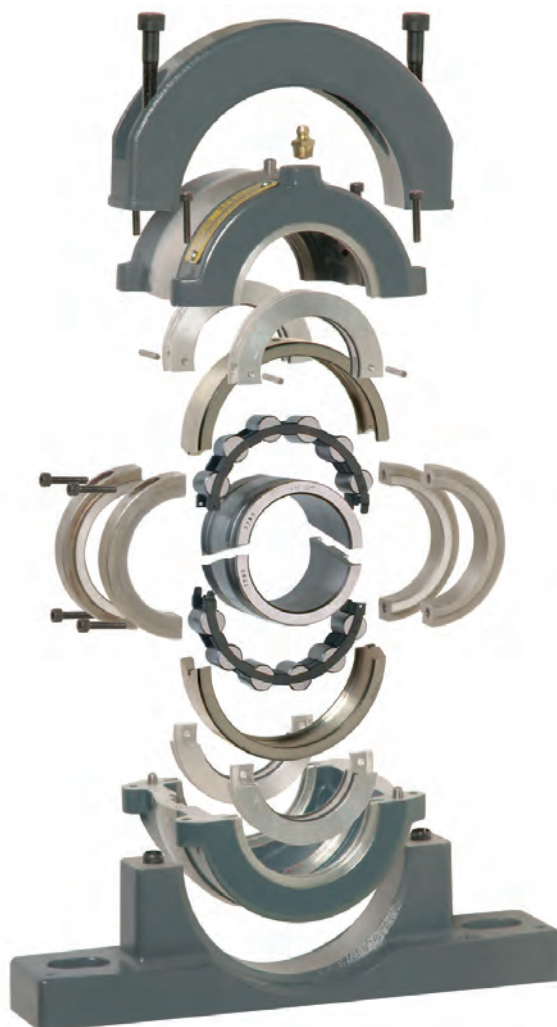


Bearings for Cost Effective Quarrying



COOPER[®]

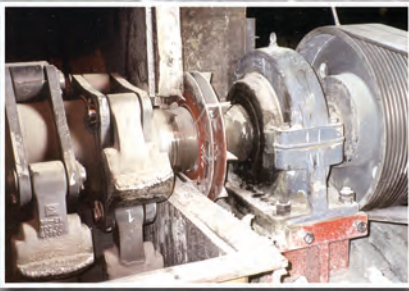


The World's Number One Split Roller Bearing



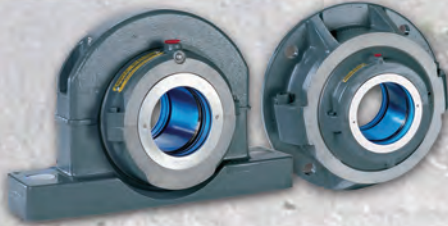
Bearings for Cost Effective Quarrying

FEATURES & BENEFITS OF COOPER BEARINGS



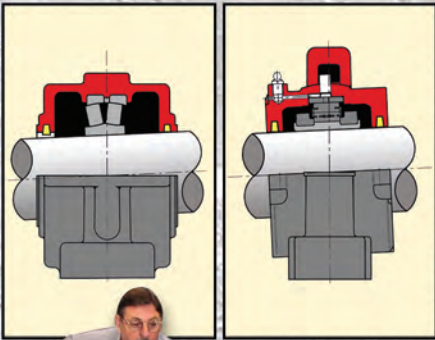
Split to the Shaft Roller Bearings

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



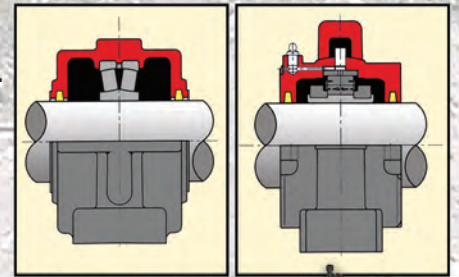
Comprehensive Range of Housings

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 1.5 metres.
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.

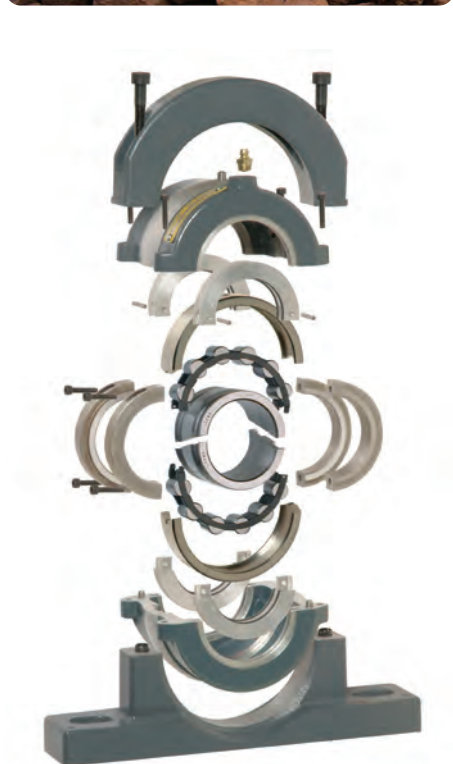


Established Global Organisation

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

GIVING YOU MORE PRODUCTIVITY AND PROFIT

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

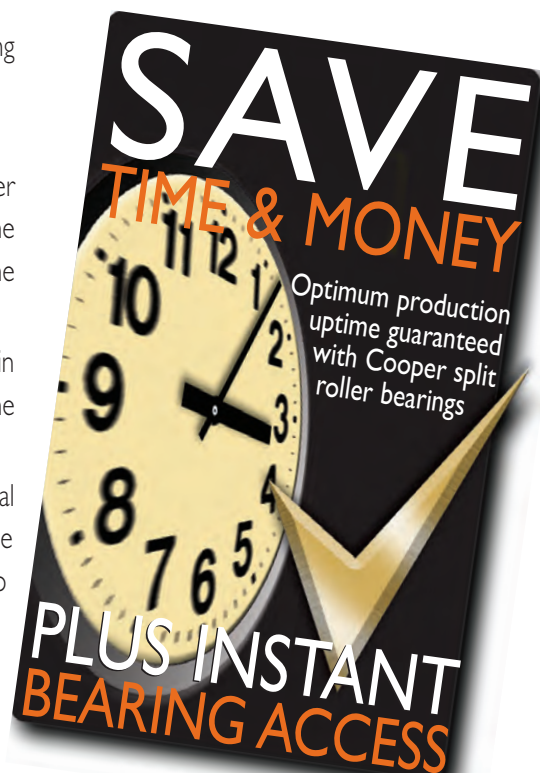
The name Cooper is synonymous with inventiveness, innovation and problem solving. The Cooper company is highly experienced in solving customer problems across a broad range of industries and operating conditions.

Vast Industry-wide Experience

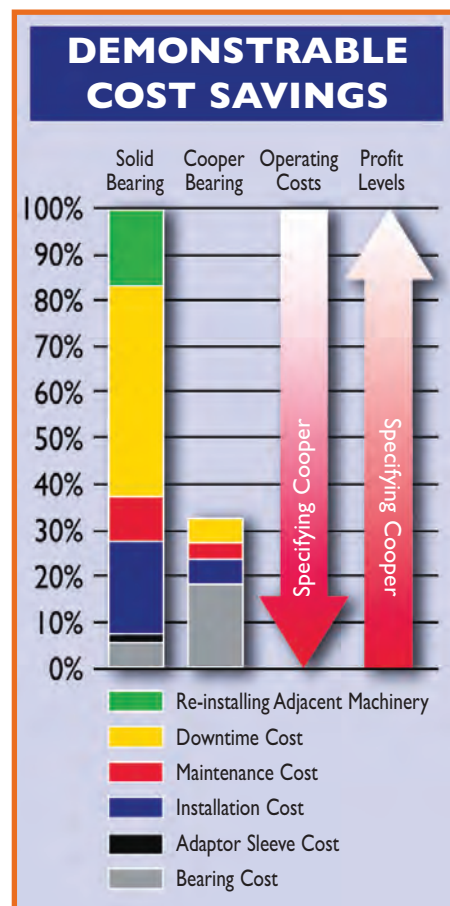
Cooper has always had great pride in having the expertise to provide engineered solutions for specialised applications. Cooper engineers have access to an extensive database of specifically engineered, proven solutions that makes the more challenging applications less of a problem to solve.

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.

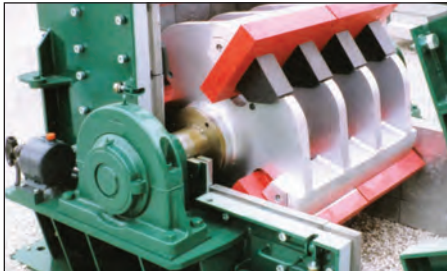


If You Have These Applications, You Need Cooper Bearings...

CONVEYORS & MATERIAL HANDLING



CRUSHERS AND SIZERS



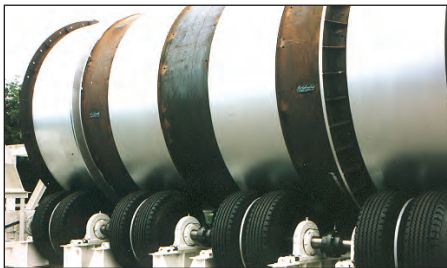
STORAGE AND STOCKPILE



SCREENERS



DRUM WASHERS



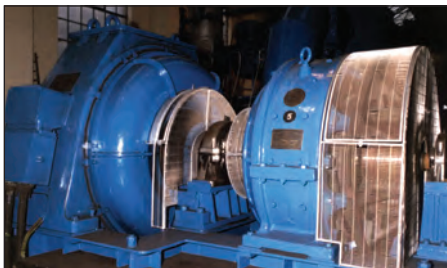
FANS AND AIR MOVEMENT



WATER AND SLURRY PUMPS



POWER PLANTS & GENERATORS

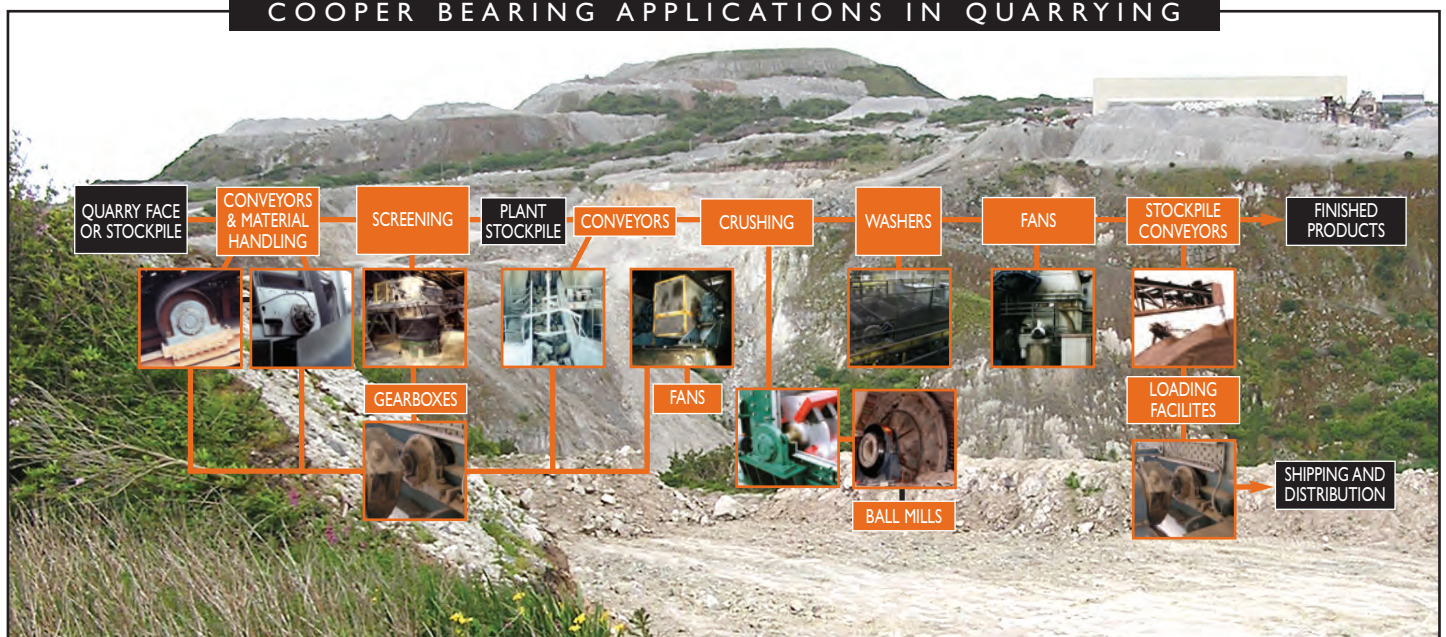


LOADING FACILITIES



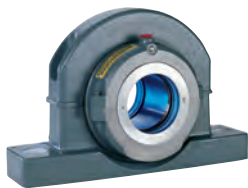
Various applications in the mining industry where Cooper bearings make a valuable contribution to profitability and cost effective maintenance are shown:

COOPER BEARING APPLICATIONS IN QUARRYING



Bearing Mounting Options

PEDESTALS



Pedestal Unit

1 3/16"/30mm to
24"/600mm
Available in cast iron
nodular iron or steel.

HANGER MOUNTINGS



Hanger Unit

1 3/16"/30mm to
5 1/2"/140mm
Available in
cast iron.

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



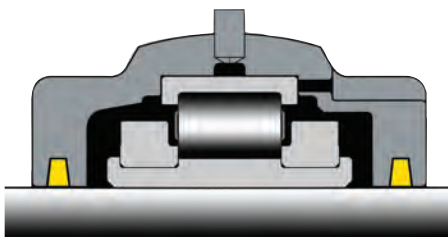
Square Flange Units

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.

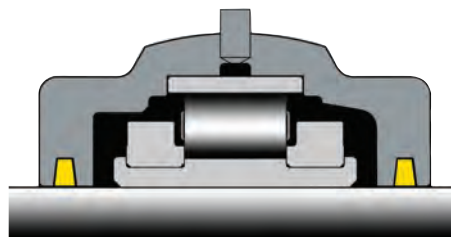


Expansion (EX) Bearing

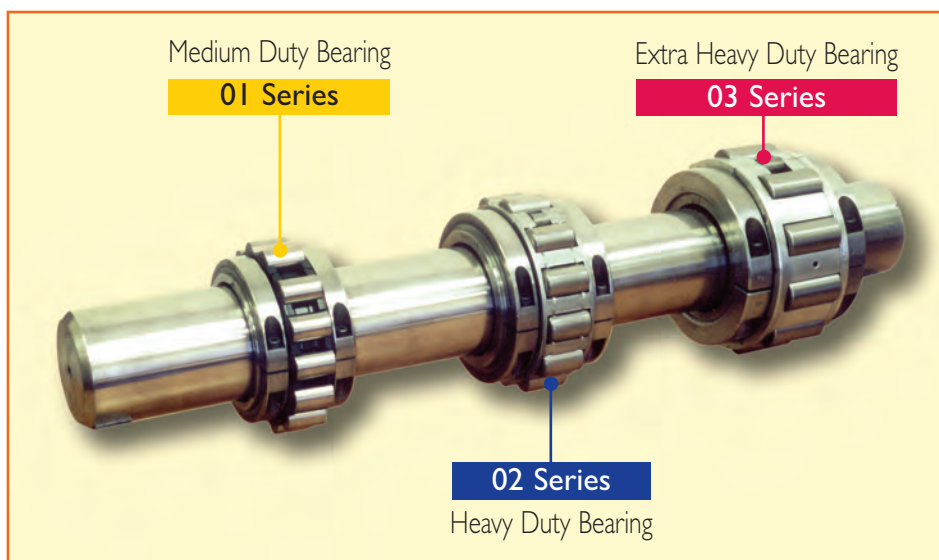
Bearings with grooved inner race assemblies and plain outer races for radial loads. To be fitted in EX cartridges without side screws.

Special (EX) (EXILOG) Bearing

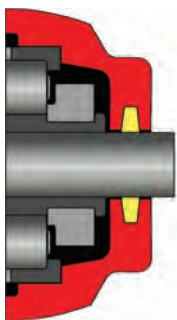
Bearing with plain inner race assemblies and grooved outer races, must be fitted into GR cartridges with side screws.



01 Series, 02 Series and 03 Series Comparison



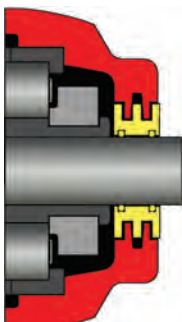
A Selection From Our Comprehensive Range of Sealing Options



Felt (F)

Felt is the standard seal for most applications.

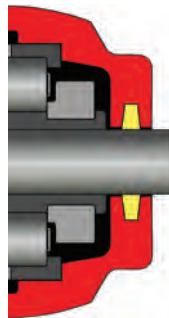
| | |
|----------------------|------------------------------------|
| Temperature limits | -94°F to +212°F -70°C to +100°C |
| Maximum speed | 6000dn 150000mm dn |
| Shaft surface finish | 1.6 µm Ra. |



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. |



High Temperature Packing (HTP)

A PTFE seal impregnated with graphite and lubricated with silicon. A direct replacement for felt in high temperature applications. Also available silicon free.

| | |
|----------------------|------------------------------------|
| Temperature limits | -94°F to +500°F -70°C to +260°C |
| Maximum speed | 6000dn 150000mm dn |
| Shaft surface finish | 0.8 µm Ra. |

Customer Service Centres

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Oberbenrader Str 407
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Germany
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Beijing 100055
People's Republic of China
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Canada
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Fax: 905 890 2269

Locate Your Nearest Distributor by Visiting CooperBearings.com