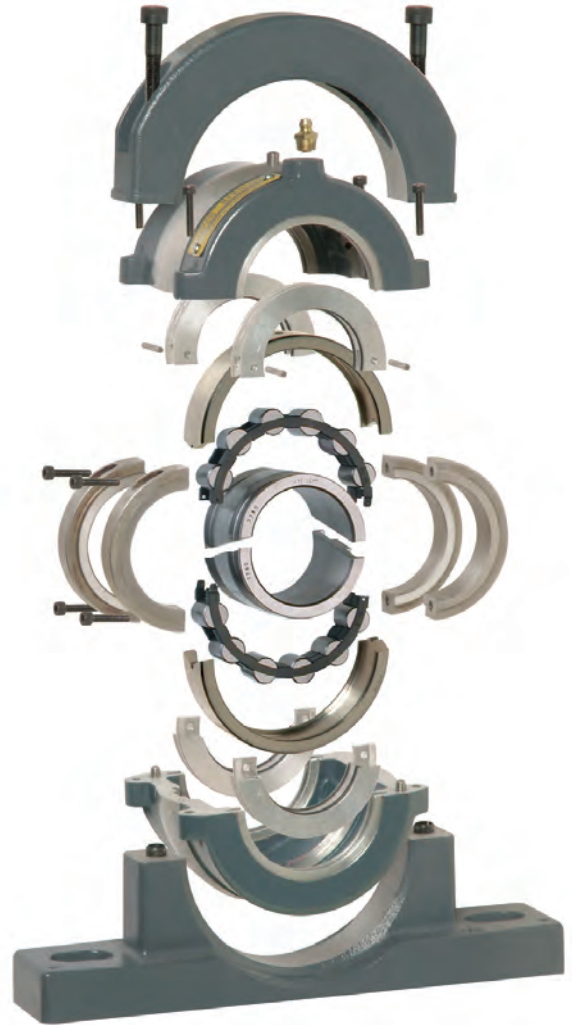




COOPER®

Bearings for Cost Effective Quarrying

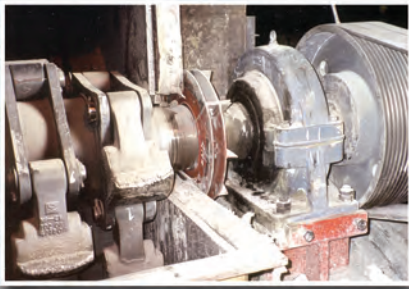


The World's Number One Split Roller Bearing



Bearings for Cost Effective Quarrying

FEATURES & BENEFITS OF COOPER BEARINGS



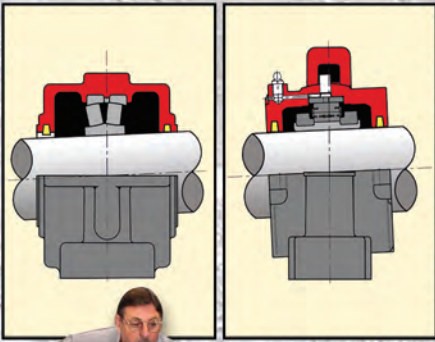
Split to the Shaft Roller Bearings

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



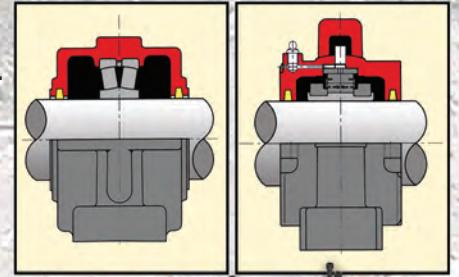
Comprehensive Range of Housings

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.



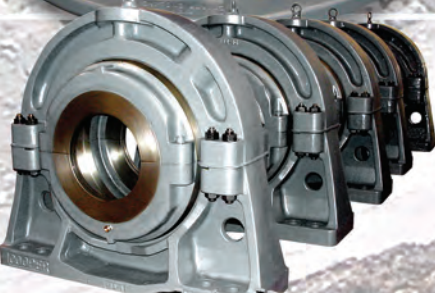
Superior Sealing

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.

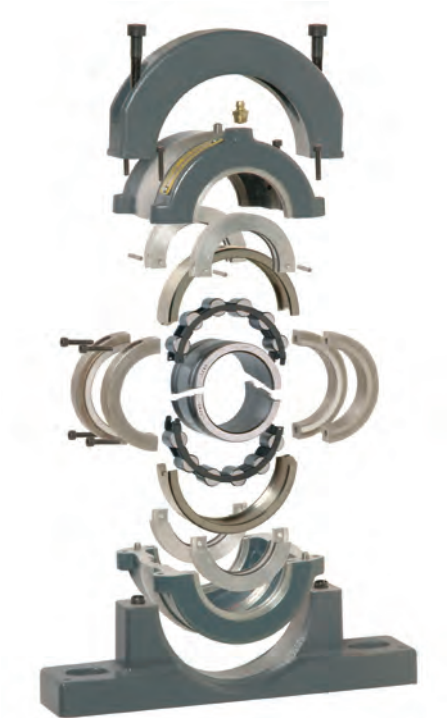


Established Global Organisation

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.

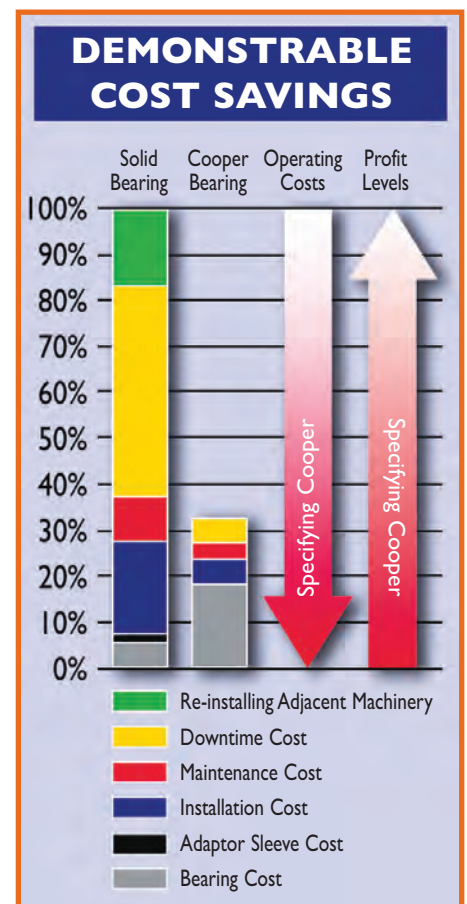
Service and Delivery

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 .

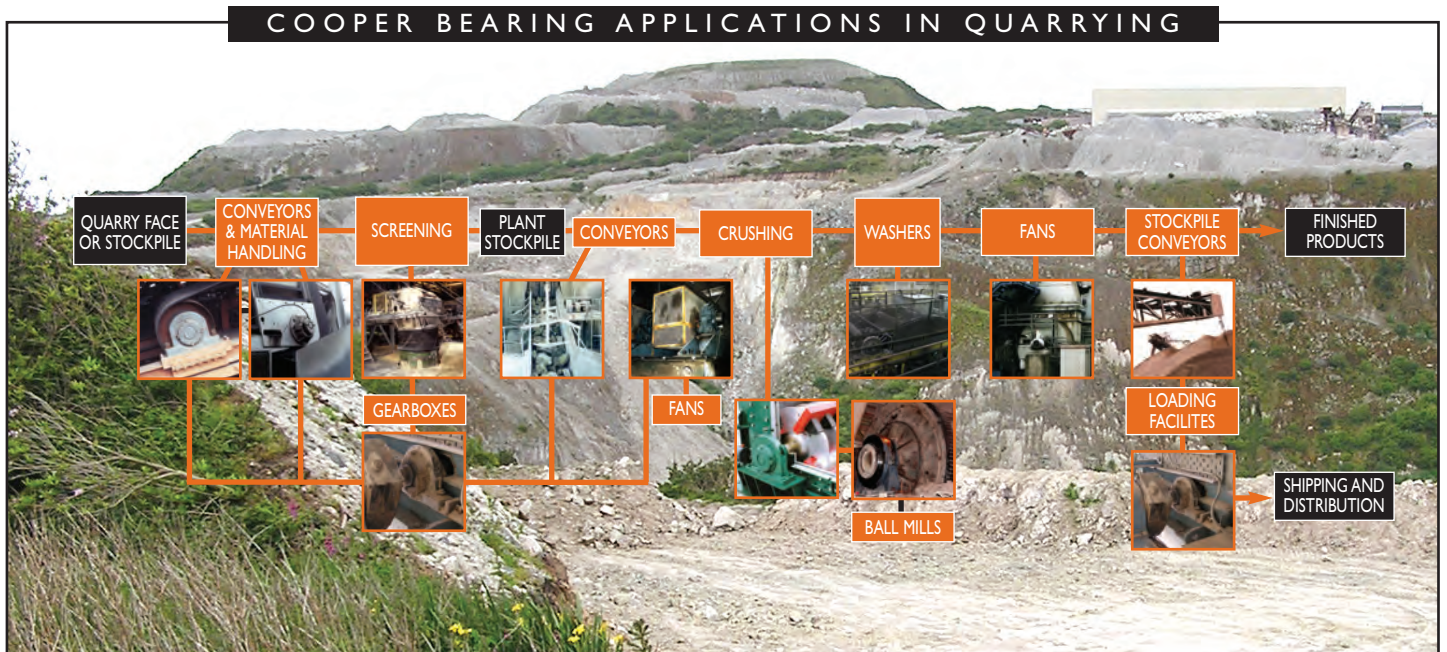
Ask your sales manager or authorised distributor to explain how you can cut maintenance time and increase profitability.



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

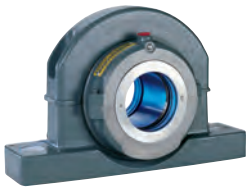
<p>CONVEYORS & MATERIAL HANDLING</p> 	<p>CRUSHERS AND SIZERS</p> 	<p>STORAGE AND STOCKPILE</p> 
<p>SCREENERS</p> 	<p>DRUM WASHERS</p> 	<p>FANS AND AIR MOVEMENT</p> 
<p>WATER AND SLURRY PUMPS</p> 	<p>POWER PLANTS & GENERATORS</p> 	<p>LOADING FACILITIES</p> 

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



Bearing Mounting Options

PEDESTALS



Pedestal Unit

1 3/16"/30mm to
2 1/4"/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.

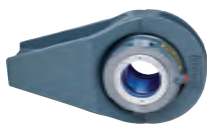
**TAKE UP AND
ROD END MOUNTINGS**



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**

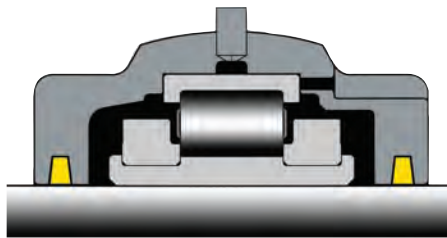
1 1/16"/50mm to
3"/75mm

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.

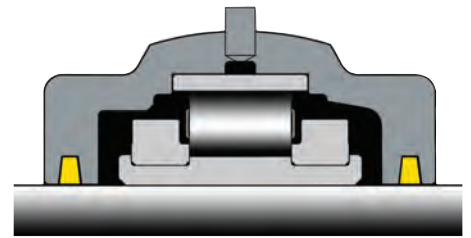


Expansion (EX) Bearing

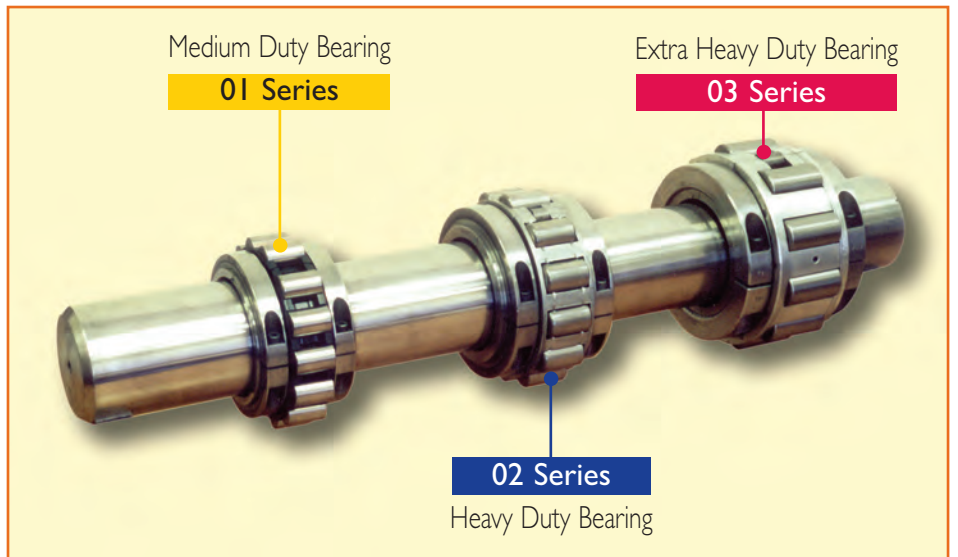
Bearings with grooved inner race assemblies
and plain outer races for radial loads. To be
fitted in EX cartridges without side screws.

Special (EX) (EXILOG) Bearing

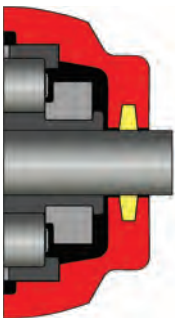
Bearing with plain inner race assemblies and
grooved outer races, must be fitted into GR
cartridges with side screws.



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

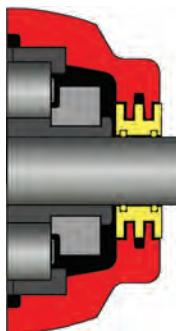
-94°F to +212°F
-70°C to +100°C

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

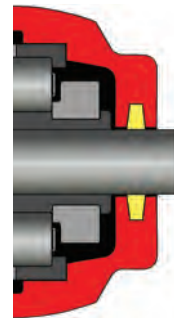
-4°F to +212°F
-20°C to +100°C

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

UK, Africa, Asia, Australasia and the Middle East

Cooper Roller Bearings Co Ltd
Wisbech Road
King's Lynn
Norfolk PE30 5JX
England
Telephone: +44 (0) 1553 763 447
Fax: +44 (0) 1553 761 113

Europe and South America

Cooper Geteilte Rollenlager GmbH
Postfach 100 423
Oberbenrader Str 407
47704 Krefeld
Germany
Telephone: +(49) 2151 713 016
Fax: +(49) 2151 713 010

People's Republic of China

Cooper Bearings Group
No. 617 Asian Resources Mansion
South Square
West Rail Station
Beijing 100055
People's Republic of China
Telephone: +(86) 10 58095018
 +(86) 10 58095006
Fax: +(86) 10 58095002

USA and Mexico

The Cooper Split Roller Bearing Corp.
5365 Robin Hood Road, Suite B
Norfolk, VA 23513
USA
Telephone: 757 460 0925
Fax: 757 464 3067

Canada

Cooper-Grainger Canada Inc.
5875 Coopers Avenue
Mississauga
Ontario L4Z 1R9
Canada
Telephone: 905 890 2266
Fax: 905 890 2269



Locate Your Nearest Distributor by Visiting CooperBearings.com