

FEATURES & BENEFITS OF COOPER BEARINGS



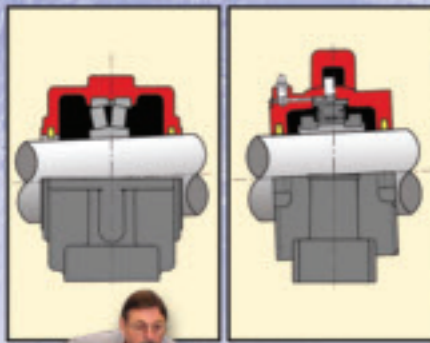
Split to the Shaft Roller Bearings

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



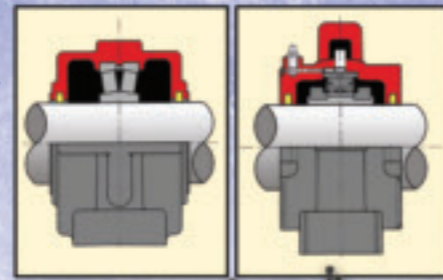
Comprehensive Range of Housings

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

SPLIT ROLLER BEARINGS

UK, Europe, South America, Asia, Australia and the Middle East

Cooper Roller Bearings Company Ltd.
Wisbech Road
Kings Lynn, Norfolk, PE30 5JX
United Kingdom
Tel: +44 (0) 1553 763447
Fax: +44 (0) 1553 761113
Email: CoopersalesUK@kaydon.com

USA, Canada, Mexico and Central America

The Cooper Split Roller Bearing Corp.
5365 Robin Hood Road, Suite B
Norfolk, VA 23513
USA.
Tel: +1 (1) 757 460 0925
Fax: +1 (1) 757 464 3067
Email: CoopersalesUS@kaydon.com

Germany

Cooper Geteilte Rollenlager GmbH.
Postfach 100 423
Oberbenrader Str. 407
47704 Krefeld GERMANY
Tel: +49 (0) 2151 713 016
Fax: +49 (0) 2151 713 010
Email: CoopersalesDE@kaydon.com

People's Republic of China

Cooper Bearings Group Beijing.
Room 909, Canway Building Tower 1
No 66, Nanlishi Road, Xicheng District,
Beijing
PRC 100045
Tel: +86 (0) 10 68080803
+86 (0) 10 68080805
+86 (0) 10 68080806
Fax: +86 (0) 10 68080801
Email: CoopersalesCN@kaydon.com

Brazil

Cooper do Brasil Ltda.
Caixa Postal 66.105
CEP 05.314-970, Brasil
Tel: +55 (0) 11 3022 3706
Tel: +55 (0) 11 9156 2500
Email: CoopersalesBR@kaydon.com

India

Cooper Roller Bearings Company Ltd.
Wisbech Road
Kings Lynn, Norfolk, PE30 5JX
United Kingdom
Tel: +91 (0) 9820180089
Email: CoopersalesIN@kaydon.com

Australia

Cooper Bearings Group
PO BOX 241
Kelmescott
Western Australia 6991
Tel: +61(0) 8 93979990
Fax: +61(0) 8 93979990
Email: CoopersalesAU@kaydon.com

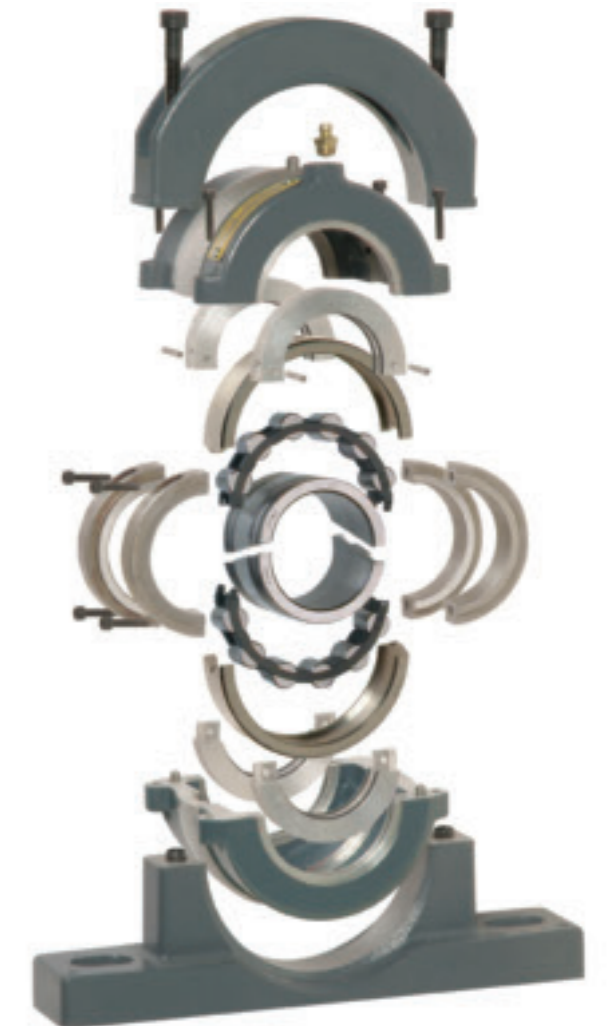
Bearings for the Water Industry



FM 30609 EMS3541322

COOPER

SPLIT ROLLER BEARINGS



The World's Number One Split Roller Bearing



Bearings for the Water Industry

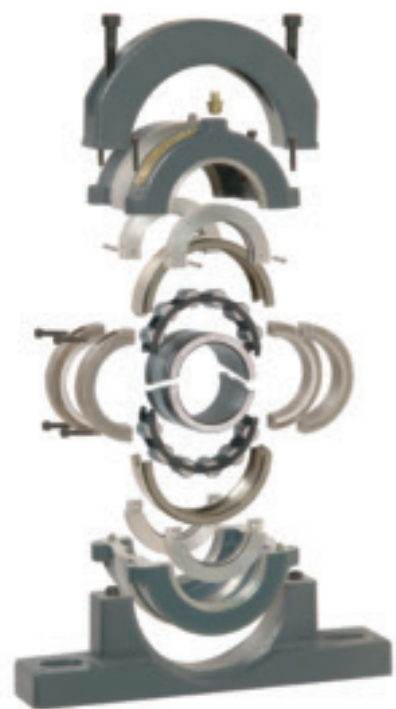
GIVING YOU MORE PRODUCTIVITY AND PROFIT

Locate Your Nearest Distributor by Visiting CooperBearings.com

Issue July 2011

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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

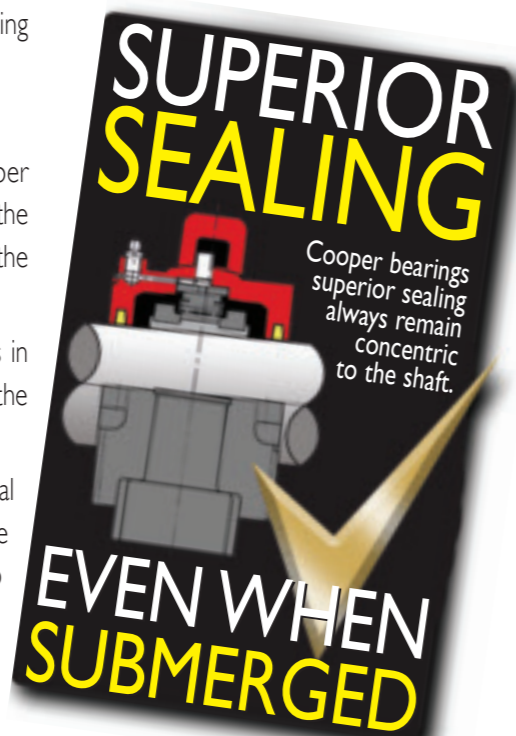
The name Cooper is synonymous with inventiveness, innovation and problem solving. The Cooper company is highly experienced in solving customer problems across a broad range of industries and operating conditions.

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.

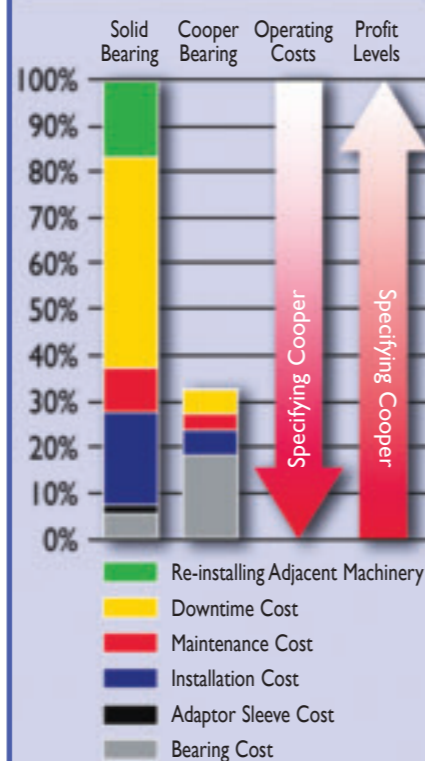
Service and Delivery

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.

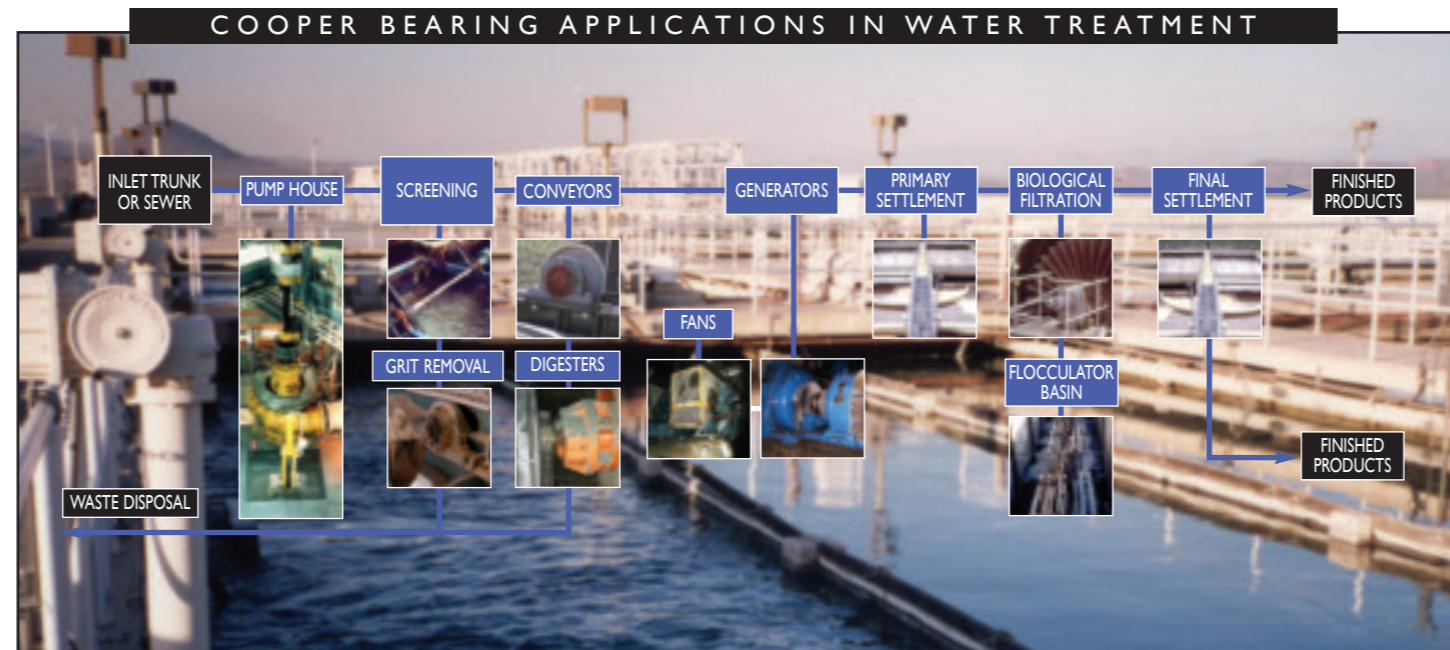
DEMONSTRABLE COST SAVINGS



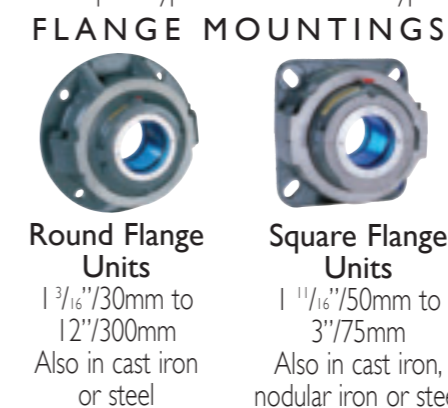
If You Have These Applications, You Need Cooper Bearings...



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

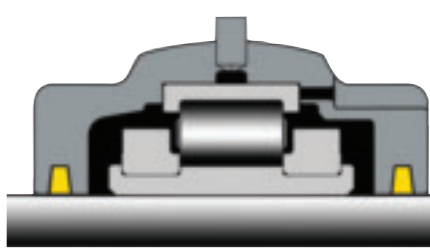


Bearing Mounting Options



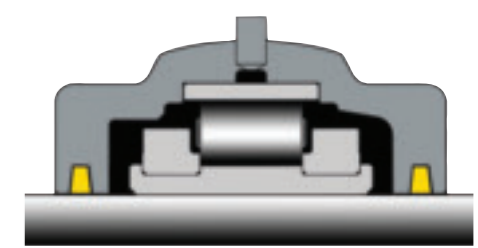
Fixed and Expansion Split Roller Bearings

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.

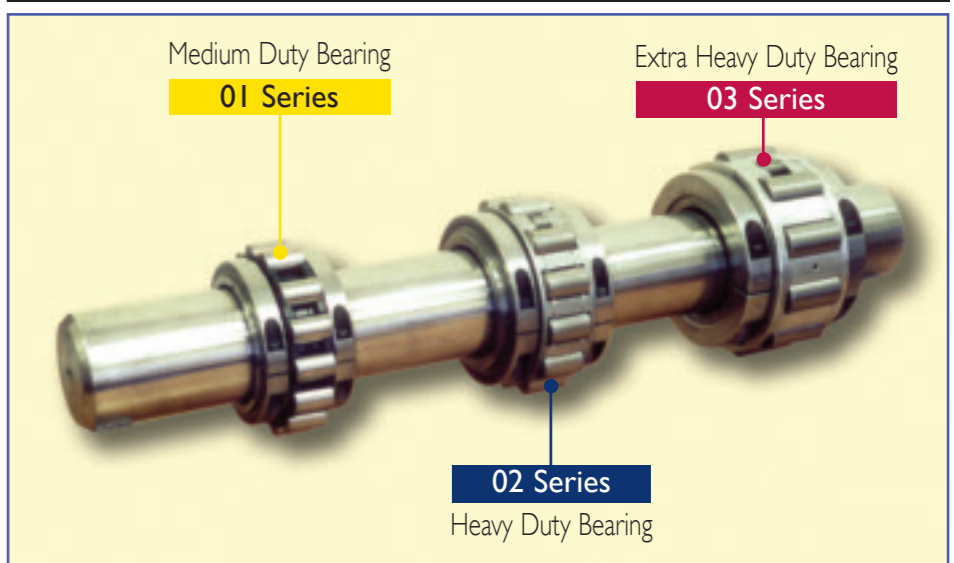


Expansion (EX) Bearing
Bearings with grooved inner race assemblies and plain outer races for radial loads. To be fitted in EX cartridges without side screws.

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
Shaft surface finish: 1.6 μ m Ra

Synthetic Nitrile Rubber Single Lip (SRS)
For wet (not submerged) applications. Can be used to retain bearing lubricant by mounting lip innermost. High and low temperature versions also available.

Temperature limits: -4°F to +212°F / -20°C to +100°C
Maximum speed: 6000dn
Shaft surface finish: 0.8 μ m 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 Meters, the other up to 30 Meters.

Temperature limits: -4°F to +212°F / -20°C to +100°C
Maximum speed: 6000dn
Shaft surface finish: 0.4 μ m Ra