SPECIALISTS IN HEAVY AND DIRTY INDUSTRIES

CONTINUOUS SLAB CASTERS . COOLING BEDS LINK SPINDLES • PILGER MILLS • MATERIALS HANDLING AND EXTENSIVE FAN APPLICATIONS

Specialists in steel for decades, Cooper Bearings offer optimum performance, simple and speedy bearing inspection for preventative maintenance and immense downtime savings during inspection or replacement.

Cooper has long standing co-operation with Steel Industry OEM's and End Users around the world who include:

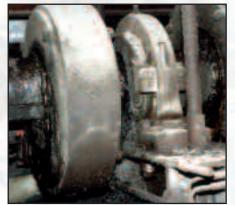
Krupp (Germany)

Posco (South Korea)

Sandvik (Sweden)

- Arcelor (Spain)
- Avesta (Sweden & USA)
 Nanjing Steel (China)
- Boa Steel (China)
- Corus (UK)
- CST (Brasil)
- Danielli (Italy)
- IPSCO (USA)

COOLING BEDS







• SMS Demag - SMS Meer (Germany)



SLAB CASTERS



FEATURES **&** BENEFITS

Split to the Shaft Watercooled Continuous Slab Caster Bearing

Low profile steel watercooled housing. Accommodates shaft expansion without inducing wear.

Low profile facilitates fitting larger rolls. Full complement of rollers allows for high load capacity in minimum envelope. Axial movement accommodated with expansion bearing.

Grease lubrication directly on to the

roller path.

Low cost of installation.

Ease of replacement.

Reduces downtime.

Increases maintenance efficiency.

Superior Spiral Wound Labyrinth Sealing Choice of Laminar or Polymer seals. Reduces contamination. Retains lubrication. Prolongs bearing life.

MAKING CUSTOMERS MORE PROFIT



Cooper Customer Service Centres

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

Cooper Roller Bearings Company Ltd. Wisbech Road Kings Lynn Norfolk PE30 5IX 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.

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People's Republic of China

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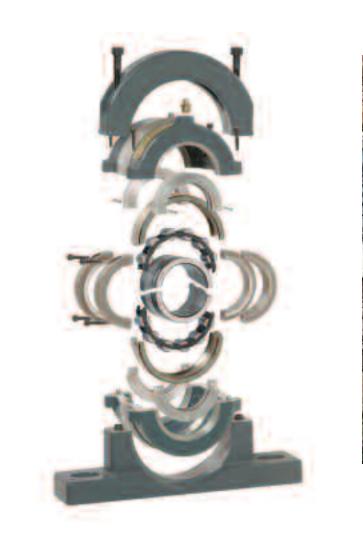
Cooper Roller Bearings Company Ltd.

United Kingdom Tel: +91 (0) 9820180089 Email: CoopersalesIN@kaydon.com











Value Proposition

CooperBearings.com (CP004)

DELIVERING SIGNIFICANT COST SAVINGS

Features Split to the Shaft Bearing	& Benefits Significant Cost Savings at time of Installation. Ease of Replacement. Reduces Downtime. Increases Maintenance Man-Hour Efficiency.	The Cooper Bearings Group is a fu service supplier that delivers cost savings t end users with channel partners b reducing downtime and increasing uptime Cooper also offers Made to Orde Services for specific engineering solution and a cost effective Bearing Reconditionin					
Comprehensive Range of Mountings	Meets most application requirements from the standard range. Pedestals are available in steel, cast iron and ductile iron including: Flanges, Rod End Bearings, Take-up Bearings and Custom Bearings.	Service. Cooper bearings are completely accessil at all times for cost effective maintenan and maximum safety compliance on a type of application. Inspection and preventative maintenan costs are kept to the minimum regardle of the application or bearing size.					
Superior Concentric to the Shaft Sealing	Typical options include: Triple Labyrinth, Felt and Lip Contact Seals. Reduces Contamination. Retains Lubrication for a Cleaner Working Environment.						
Full Service Manufacturer	Proven Range of Products. Vast Engineering Knowledge. Technical and installation support service.						
Established Organisation	Global Distribution Network. Local Support Provided by Cooper and Distribution Partners.						

BEARING

PILLOW BLOCKS HANGER MOUNTINGS



Hanger Unit Pillow Block Unit 1³/₁₆"/30mm to 24"/600mm 1³/₁₆''/30mm to 5 ¹/₂''/140mm Available in cast iron Available in cast iron ductile iron or steel



Take Up Tension 13/16''/30mm to 6''/155mm Available in cast iron Also offered as push type

TAKE UP AND ROD END MOUNTINGS

MOUNTING



Rod End Shoe 3/16''/30mm to 6''/155mm Available in cast iron Also offered as tee type



O P T I O N S

Round Flange Units 1 3/16''/30mm to 12''/300mm Available in cast iron or steel



Available in cast iron, ductile iron or steel

Evaluate Your Own Cost Saving

COST SAVING COMPARISON

Typical Cost Savings Achieved at Time of Installation

- I Cost of Bearing
- 2 Estimated Time of Bearing Change
- 3 Number of People to Replace Bearing
- 4 Maintenance Cost per Person, per Hour
- 5 Production Loss Cost per Hour
- 6 Crane Rental per Hour (Average Cost)

TO FIND THE COST SAVINGS:

- A Labour Cost for Outage (Line 2 × Line 3 × Line 4)
- **B** Production Loss for Outage (Line 5 × Line 2)
- C Equipment Rental for Outage (Line 6 × Line 2)

D TOTAL COSTS

Bearing + Labour + Production loss + Crane Rental Cost (Line I plus Line A, B, and C)

COOPER TOTAL SAVING

Subtract the value of line D on the left from the value of line D on the right to establish the savings achieved by specifying Cooper.

COOPER IS PR	Ο Υ Ε Ν Ι
Building Material	Grain
Bulk Terminals	Iron & Ste
Cement & Aggregate	Marine
Food & Beverage	Mining & F
Forest Products	





YOU CAN PROVE IT FOR YOURSELF

Potential Using Cooper Bearings							
	Current	Bearing	Cooper	Bearing			
	\$2,692		\$8,076				
	24 hours		6 hours				
	2		2				
	\$22.50		\$22.50				
	\$11,250		\$11,250				
	\$300		N/A				

-	\$205,126	
\$280,972	\$75,846	
\$7,200	N/A	
\$270,000	\$67,500	
\$1,080	\$270	

N THESE INDUSTRIES...

eel Processing

Power Generation Pulp & Paper Refining & Petrochem Sugar Water Treatment



INDUSTRY APPLICATION SUCCESSES

Applications	Building Materials	Bulk Terminals	Cement and Aggregate	Food and Beverage	Forest Products	Grain	Iron and Steel	Marine	Mining and Processing	Power Generation	Pulp and Paper	Refining and Petrochem	Sugar	Water Treatment
Mechanical Handling														
Continuous Slab Casting Machines														
Conveyors														
Cooling Beds														
Elevators														
Line Shafts														
Log Decks and Tables														
Overhead Cranes														
Screw Conveyor														
Stacker Reclaimers														
Winding Gear														
Winders														
Haulage Gear and Winches														
Process Equipment														
Ball Mill Trunnions														
Ball Mill Drives														
Cane Knives and Beet Slicers														
Carriers and Feeders														
Crushers														
Drum Processor Trunnions														
Dryer Rolls														
Kiln and Mill Under Rollers														
Kiln and Tube Mill Drives														
Mill Drives														
Mixers and Agitators														
Press Rolls														
Reciprocating Screens														
Rotating Drums														
Shredders														
Sugar Diffuser Drives														
Sugar Diffuser Under Rollers														
Washers														
Ancillary Equipment														
Crankshafts														
Fans and Blowers														
Gearboxes														
Heat Exchangers														
Motors and Generator Sets														
Pumps and Pump Drives														
Other Applications														
Hydro Turbines														
Marine Propulsion Shafts														
Water Screens														
Wind Turbines														