

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:

- Arcelor (Spain)
 - Avesta (Sweden & USA)
 - Boa Steel (China)
 - Corus (UK)
 - CST (Brasil)
 - Danielli (Italy)
 - IPSCO (USA)
- Krupp (Germany)
 - Nanjing Steel (China)
 - Posco (South Korea)
 - Sandvik (Sweden)
 - SMS Demag - SMS Meer (Germany)
 - Tisco (India)
 - VAI (Austria)

COOLING BEDS



LINK SPINDLES



MAKING CUSTOMERS MORE PROFIT

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.



Cooper Customer Service Centres

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Value Proposition

DELIVERING SIGNIFICANT COST SAVINGS

Features & Benefits

| | |
|---|--|
| Split to the Shaft Bearing | Significant Cost Savings at time of Installation. Ease of Replacement. Reduces Downtime. Increases Maintenance Man-Hour Efficiency. |
| 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. |
| 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. |

The Cooper Bearings Group is a full service supplier that delivers cost savings to end users with channel partners by reducing downtime and increasing uptime.

Cooper also offers Made to Order Services for specific engineering solutions and a cost effective Bearing Reconditioning Service.

Cooper bearings are completely accessible at all times for cost effective maintenance and maximum safety compliance on any type of application.

Inspection and preventative maintenance costs are kept to the minimum regardless of the application or bearing size.



YOU CAN PROVE IT FOR YOURSELF

Evaluate Your Own Cost Saving Potential Using Cooper Bearings

COST SAVING COMPARISON

| Typical Cost Savings Achieved at Time of Installation | Current Bearing | | Cooper Bearing | |
|---|-----------------|--|----------------|--|
| Cost of Bearing | \$2,692 | | \$8,076 | |
| Estimated Time of Bearing Change | 24 hours | | 6 hours | |
| Number of People to Replace Bearing | 2 | | 2 | |
| Maintenance Cost per Person, per Hour | \$22.50 | | \$22.50 | |
| Production Loss Cost per Hour | \$11,250 | | \$11,250 | |
| Crane Rental per Hour (Average Cost) | \$300 | | N/A | |

TO FIND THE COST SAVINGS:

| | | |
|--|-----------|------------------|
| Labour Cost for Outage (Line 2 x Line 3 x Line 4) | \$1,080 | \$270 |
| Production Loss for Outage (Line 5 x Line 2) | \$270,000 | \$67,500 |
| Equipment Rental for Outage (Line 6 x Line 2) | \$7,200 | N/A |
| TOTAL COSTS | | |
| Bearing + Labour + Production loss + Crane Rental Cost (Line 1 plus Line A, B, and C) | \$280,972 | \$75,846 |
| COOPER TOTAL SAVING | - | \$205,126 |

tract 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 PROVEN IN THESE INDUSTRIES...

The diagram is a grid of 12 images, each representing a different industry. Each image has a semi-transparent white box overlaid with text. The industries listed are:

- Building Material
- Bulk Terminals
- Cement & Aggregate
- Food & Beverage
- Forest Products
- Grain
- Iron & Steel
- Marine
- Mining & Processing
- Power Generation
- Pulp & Paper
- Refining & Petrochem
- Sugar
- Water Treatment







At the bottom of the diagram, there are four small square images showing different types of bearings and industrial equipment. To the right of these images is the Cooper logo, which consists of the word "COOPER" in a bold, sans-serif font, with a red horizontal bar underneath it. Below the logo, the text "Leading Bearing Technology Since 1891" is written in a smaller font.

INDUSTRY APPLICATION SUCCESSES

Applications Building Bulk Cement Food Forest Grain Iron Marine Mining Power Pulp Refining Sugar Water

[illegible]

BEARING MOUNTING OPTIONS

| PILLOW BLOCKS HANGER MOUNTINGS | | TAKE UP AND ROD END MOUNTINGS | | FLANGE MOUNTINGS | |
|---|---|--|--|--|--|
|  |  |  |  |  |  |
| Pillow Block Unit 1 3/4" / 30mm to 24" / 600mm Available in cast iron ductile iron or steel | Hanger Unit 1 3/4" / 30mm to 5 1/2" / 140mm Available in cast iron | Take Up Tension 1 3/4" / 30mm to 6" / 155mm Available in cast iron Also offered as push type | Rod End Shoe 1 3/4" / 30mm to 6" / 155mm Available in cast iron Also offered as tee type | Round Flange Units 1 3/4" / 30mm to 12" / 300mm Available in cast iron or steel | Square Flange Units 1 1/4" / 50mm to 3" / 75mm Available in cast iron, ductile iron or steel |

B E A R I N G S A N D S E A L S C O M P L E T E L Y S P L I T T O T H E S H A F T