



Kaydon **infinite**<sup>™</sup>  
bearing solutions  
for the Mining Industry



# Unsurpassed quality, unsurpassed value

In punishing operating environments like mining, heavy equipment must take a beating and come back for more. Kaydon slewing ring bearings not only keep your machines running reliably, they save you time and money.

A leading global manufacturer of slewing ring bearings, Kaydon Corporation Bearings Division is specified by some of the mining industry's top OEMs and operators to minimize downtime and maximize productivity.

When the bearings in your machinery wear down, Kaydon can provide new replacements — regardless of OEM — at savings of up to 50%, or remanufacture the worn bearings to like-new condition. Either can usually be delivered weeks earlier than OEM bearings, with a one-year warranty and no trade-off in performance.



## Proven in tough applications

With diameters of up to 240 inches (6.1m), Kaydon slewing ring bearings are ideal for shovels, excavators and more (examples below). These high-precision bearings are readily available from ISO 9001:2008 certified plants in Ohio, South Carolina and Mexico.

Kaydon slewing ring bearings — and split roller bearings from another Kaydon division, the Cooper Bearings Group — have proven themselves for decades in both surface and underground mining. You'll find them in:

- Shovels
- Excavators
- Bucket Wheel Excavators
- Stacker Reclaimers
- Overburden Spreaders
- Crushers
- Conveyors
- Fans and Blowers
- Washers
- Screens
- Longwall Miners
- Room & Pillar (Haulers, Scoops, Utility Vehicles)
- Roof Bolters
- Thickeners



# Kaydon **infinite**<sup>TM</sup> bearing solutions

Kaydon Bearings offers solutions for all customer specs and budgets. Whatever your need, the Kaydon brand is your guarantee of high-quality materials and workmanship, proven engineering expertise, and attention to detail.

## New replacement bearings

Kaydon can produce a replacement for any slewing ring bearing, regardless of OEM, in O.D.s up to 240" (6.1 m). These are not only more economical, but can exceed the dynamic life and static capacity of the originals. Kaydon replacement bearings come with a full one-year warranty, and all work is performed in ISO 9001:2008 certified facilities.

Highlights of our new replacement bearing program include:

- manufacture to original OEM specs or design practices
- reverse engineering
- design review and analysis to improve performance and increase life
- pricing commonly much less than OEM

## Bearing remanufacturing

Bearing repair is not a sideline at Kaydon, but a dedicated program with its own personnel, equipment and inventory. For a description of our 10-point program, please see the following page. Like our new replacement bearings, every Kaydon remanufactured bearing comes with a one-year warranty.

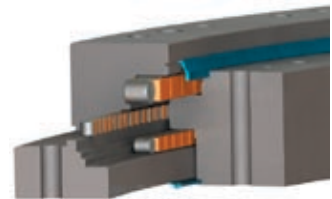
## Standard and custom bearings

Designers of OEM equipment can choose from a wide range of standard Kaydon slewing ring bearings, such as the TR and XT series (below), or ask our talented

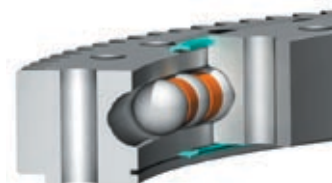
engineers to develop a custom solution. Special coatings, lubrication and other features are available to meet unique requirements.



- **TR series** - The TR series has three independent rows of rollers oriented to the load direction, resulting in the highest capacity for any given diameter. The top and bottom rows transmit moment and thrust forces, while the middle row transmits radial load. It is available in O.D.s up to 240" (6.1 m).



- **XT series** - XT Series turntable bearings feature a rectangular cross-section with deep groove gothic arch raceways and maximum ball complement. The resulting 4-point contact assures you of exceptional moment, thrust and radial load capacities. The XT is available with O.D. up to 240" (6.1 m).



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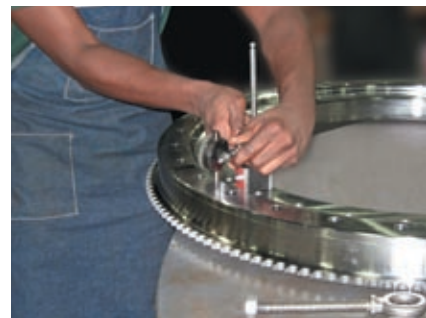


## A dedicated remanufacturing program



The Kaydon remanufacturing program gives worn bearings new life at big savings vs. new bearings, with fast turnaround. (One example: a bearing repaired for a major U.S. mine operator just passed its 30,000-hour check-up and is still going strong.) Program highlights include:

1. Free inspection on slewing ring bearings up to 8' in diameter
2. Inspection in one week or less
3. Non-destructive testing performed on all bearings
4. Engineering analysis on all bearings
5. Formal analysis reports provided for all inspections
6. Four-week turnaround for bearings 8' and under, and just a few more weeks for bearings over 8'
7. Substantial savings versus the cost of a new replacement bearing
8. Stringent ISO 9001:2008 quality program
9. Emergency remanufacturing services
10. One-year warranty for all remanufactured bearings



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