



KDM[®]
PRECISION BEARINGS

Precision Japanese Technology

Bearings For Sugar Industry



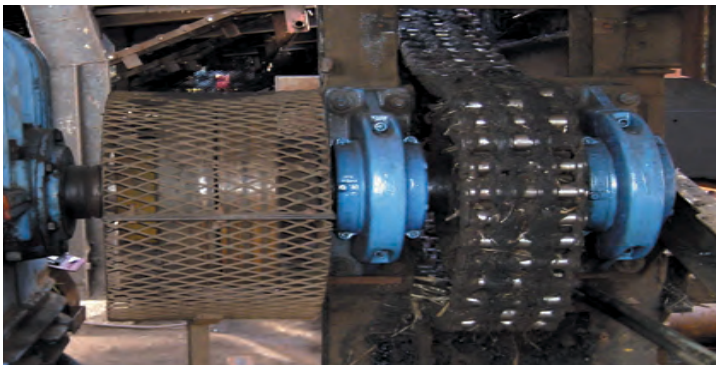
www.kdmborg.com



Cane or beet, non-stop operation is simpler with KDM bearings

KDM Split Roller Bearings support the sugar industry in a wide range of applications, including those shown in the table:

General	Preparation	Extraction	Purification	Crystallisation	Refining
Conveyors (Including Screw, Scroll and Belt Conveyors and Grasshoppers)	Washers	Cane Knives & Shredders	Drum Processor Trunnions	Crystallisers	Granulators
Fans and Blowers	Reciprocating	Beet Slicers	Lime Kilns	Rotary Mixers	Conditioners
Carriers and Feeders	Stone Trap Separators	Shredders		Strike Receivers	
Elevators and Cranes		Mill Drives			
Gear Boxes		Beet Sugar Diffuser Drives			
Motors & Generators		Beet Sugar Diffuser Under-Rollers			
Mixer & Agitators					



CONVEYORS

Whether you process cane or beet, conveyor reliability is crucial from raw materials entry through extraction processes to refining and packing. **KDM** products are at work throughout the plant from drive bearings on heavy duty raw material conveyors, to hanger bearings on screw conveyors. Despite many "trapped" situations, they are practically instantly accessible for checking and maintenance.

WASHERS

Washers have to maintain throughout of beet at considerable speeds in wet conditions and in the presence of grit and stones. With **KDM** bearings, smooth ongoing operation is assured.

FANS & BLOWERS

Whether regulating temperature, removing dust or ensuring ventilation, hard-working fans and blowers are used extensively in both cane and beet sugar processing, many of them benefitting from reliable, easy-to-inspect and-maintain **KDM** bearings.

CANE KNIVES AND SHREDDERS

Thrashing cane with knives and hammers demands particularly robust equipment. **KDM** bearings are a favourite choice in these applications across the world.

The basis of phenomenal through-life cost savings: KDM Roller Bearings are split to the shaft

- Bearing installation is fast and easy no matter how 'trapped' the location.
- No shaft realignment is required.
- Inspection is simple and fast, aiding planned maintenance and reducing both downtime and "unexpected" failure.
- Smaller range of operations needed, leading to task and toolbox simplification.
- Handling weights are reduced (smaller, lighter pieces). Lifting gear is not required for most KDM sizes. No lifting of nearby equipment is required.
- A better long-term solution: the **KDM** inner race protects the shafts and eliminates journal wear.

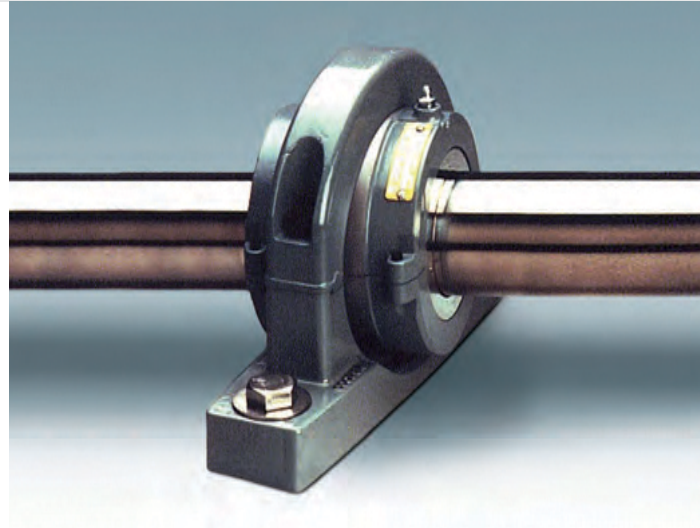
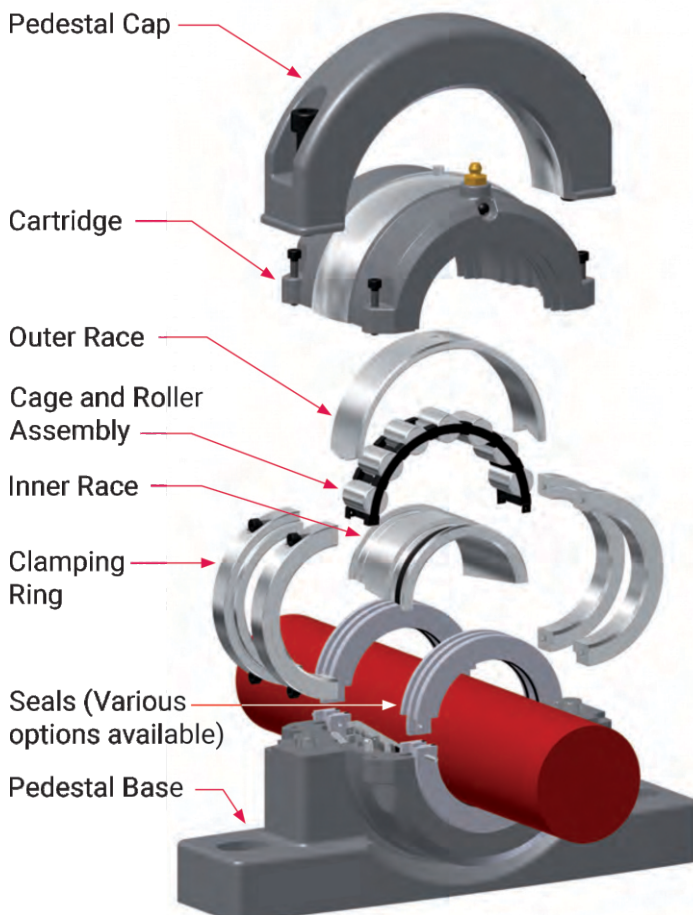


The secret of long bearing life: a seal that stays aligned with the shaft, even when the shaft is misaligned

- Full seal integrity even if the shaft moves $\pm 2.5^\circ$
- Reduction of foreign materials ingress, even in very dusty environments.
- No running-in period needed.
- Little lubricant leakage, making lubrication simpler and keeping work surfaces cleaner.

Easy-to-fit, easy to disassemble: the logic that underpins the cost benefits

KDM Roller Bearings are completely split to the shaft, yet designed and engineered to be extremely fast and easy to assemble into robust, reliable units that give exceptional service under the harshest conditions.



KDM BEARINGS: RELIABILITY AND ACCESSIBILITY RIGHT ACROSS THE SUGAR INDUSTRY

Whether beet or cane-sourced, sugar has traditionally demanded uninterrupted processing in the months following harvesting in many cases, international multiple sourcing means that the pressure for continuous performance nowadays can occur at any time of the year.

KDM Split Roller Bearings have for many years been a risk-reduction factor in sugar production and retting. This stems from their long life and reliability, even under wet, dirty, hot and abrasive conditions, and the marked reductions in inspection and maintenance cost that they deliver.

With its considerable investment in R&D, **KDM** ensures that its products stay ahead of developments in sugar industry equipment and practices. One result has been that the company has built up an international presence mirroring the nature of the industry, with authorised supply chain partners in over thirty countries.

A WIDE RANGE OF MOUNTING OPTIONS

Available in a range of materials such as iron, nodular iron or steel, the variety of **KDM** mountings reflects the wide spectrum of tasks which split roller bearings can perform. There is a full range of SN, SAF and SD compatible pedestals.



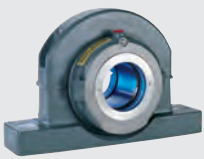
KDM bearings used in the Sugar Industry

KDM split roller bearings include the 100 Series of high-speed compact bearings, the medium duty 01 Series and heavy duty 02 Series. In addition there is a rapidly developing range of double-row split tapered bearings. We also offer a heavy duty bearing in an SD-compatible heavy duty pedestal.

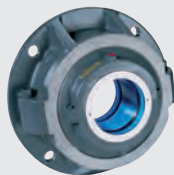
In addition, **KDM** makes special bearings to its own and customer specifications. Please contact your nearest **KDM** Customer Service Centre (address mentioned below) if you would like to use our custom services.

The perfect sealing solution for your application

Superior sealing has been key to the success of **KDM** bearings in ensuring continuous, problem-free operation over many years. We have a wide range of designs to meet the widely varying demands of the different locations and working environments in the sugar industry. Here are a few examples.



Pillow block
Other pedestal types available



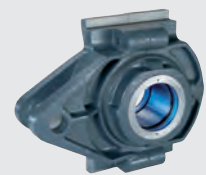
Round Flange



Square Flange



Hanger



Take-up tension type
Push type also available

AUTHORIZED DEALER:



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