

Bearings for the Cement and Ready-Mix Concrete Industries

Market leading NSK technology that increases bearing life and reduces maintenance costs and downtime.





Upgrading to NSK takes your operation to a higher level of efficiency and performance.

From our Tough Steel™ bearings for demanding environments, to our HPS, High Performance Series, spherical roller bearings, which offer high load carrying capacities and longer bearing life, choosing NSK provides an upgrade for your entire operation.

For quality products and service choose NSK.

UPGRADE TO NSK.



CONSTRUCTIVE SOLUTIONS

In a screw pump conveying system at a cement plant, a large angular contact bearing was experiencing dust contamination. The dust was wearing the raceways and increasing clearance. In order to avoid a catastrophic failure, the bearings needed to be changed prematurely.

NSK recommended Tough Steel™ by pointing out that Tough Steel™ would manage the problem by offering resistance to the contamination. In addition, the new bearings with Tough Steel™ would run quieter and smoother and offer shock load protection. Since installing the new Tough Steel™ bearings, bearing consumption reduced by more than 50% over a five year period. The plant has since converted other locations to Tough Steel™.



**TOUGH Environment,
TOUGH Problems,
TOUGH STEEL.**

HPS™ SPHERICAL ROLLER BEARINGS

Raw Grinding, Electrostatic Precipitator, Kiln, Finish Grinding, Conveyors

HPS offers a higher standard in performance by offering higher load carrying capacities, longer bearing life and higher limiting speeds. Advanced material, optimum design and state of the art manufacturing make HPS one of the longest lasting spherical bearings available.



SPHERICAL ROLLING BEARINGS WITH BRASS CAGE

Raw Grinding, Electrostatic Precipitator, Kiln, Finish Grinding, Conveyors

Brass Cage Sphericals have high load capabilities and are specially designed for shock loading and vibratory applications. Featuring a one piece machined brass cage and optional Tough Steel™.



Concrete

High load tapered roller bearings are available in two and four row versions to support high radial and axial loads. They feature an optimized cage design and a range of special materials for arduous conditions.



Raw Grinding, Finish Grinding

TAPERED ROLLER BEARING

Utilizing a patented high strength cage of pressed steel, the EW series offers low noise and heat generation characteristics. As a standard cylindrical bearing, the EW series is an easy interchange across the globe.



Raw Grinding, Kiln, Finish Grinding

CYLINDRICAL ROLLER BEARINGS

TOUGH STEEL[™] BEARINGS

*Preheater, Conditioning Tower,
Electrostatic Precipitator*

For extremely demanding environments and ideal for vibratory applications, bearings with Tough Steel[™] reduce flaking and wear caused by contamination. These bearings also have increased resistance to seizure resulting in longer bearing life.



SAF SPLIT HOUSINGS

Head Pulley, Tail Pulley

Ideal for handling heavy radial loads, SAF split housings are made of cast iron or other materials with multiple grease fittings. They are easy to mount and come with optional accessories including seals, end covers and fixing rings.



Solutions.

Provide outstanding performance in a wide range of applications. Incorporating the highest quality steel, precision balls, superfinished raceways and a variety of patented sealing arrangements.



*Preheater, Conditioning Tower, ID Fan,
Electrostatic Precipitator, Conveyors*

BALL BEARINGS

Lubricated with oil-impregnated material, oil seeps from the material providing ample and continuous lubrication making them relatively maintenance-free. Molded oil bearings come in a variety of bearing types.



*Preheater, Conditioning Tower, ID Fan,
Electrostatic Precipitator, Conveyors*

MOLDED-OIL BEARINGS

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