Secure production with sealed bearings

Double bearing service life with large size sealed SKF Explorer spherical roller bearings for HPGRs and roller presses.

Sealed SKF Explorer spherical roller bearings are now available in large sizes

HPGRs and roller presses operate in challenging environments with virtually inevitable dirt ingress and bearing grease loss. A common maintenance practice for open bearings is to purge the bearings with grease – adding expenses, as well as health and safety risks for maintenance personnel. And what's more, since these assets are crucial for production processes, any downtime can lead to costly manufacturing stops.

What if you could find a solution to keep lubrication in and contamination out? Providing longer meantime between failures, sealed SKF Explorer spherical roller bearings are a long-term investment for increased machine availability. Instead of stopping production for preventive maintenance of the bearing, the wear of the roller press roller becomes the limiting factor when doing service. The sealed bearings also reduce lubrication consumption by 95%, leading to a reduced environmental impact and costs. Together with the reduced maintenance needs, the result is increased worker safety, and, ultimately, a lower total cost of ownership.

Minimum 2x longer bearing service life for roller presses and HGPR

The sealed SKF Explorer spherical roller bearings offer doubled service life compared to open bearings. Additionally, they can possibly be remanufactured – twice. And since large size bearings are challenging to mount and incorrect bearing fit on the shaft has proven to be another common cause of failure in large size bearings, we offer both on-site mounting services or specialized tools that facilitate installations.

The bearings can be sold as a stand-alone solution, or as part of a broader SKF Rotation Equipment Performance program, along with SKF greases, lubrication system, machine health, services, and remanufacturing.

2x

longer bearing service life increasing operational availability and cutting TCO

95%

reduced grease consumption, cutting costs and environmental footprint

2x

possibly double remanufacturing capability, extending bearing service life

Switching to sealed spherical roller bearings

We have a wide assortment – the table below shows the most common HPGR designations but other variants are available. Simply find the specification that corresponds with your existing open bearing. You can also find the correct withdrawal sleeve to help to mount the bearing in the correct way.

241 series - standard	241 series - sealed	Withdrawal sleeve
241/1250 ECAK30/C3HW33	241/1250-2CS6K30/C3HGEA8	AOH 241/1250
241/1000 ECAK30/C3HW33	241/1000-2CS5K30/C3HGEA8	AOH 241/1000
241/900 ECAK30/C3HW33	241/900-2CS5K30/C3HGEA8	AOH 241/900
241/850 ECAK30/C3HW33	241/850-2CS5K30/C3HGEA8	AOH 241/850
241/750 ECAK30/C3HW33	241/750-2CS5K30/C3HGEA8	AOH 241/750 G
241/670 ECAK30/C3HW33	241/670-2CS5K30/C3HGEA8	AOH 241/670
241/600 ECAK30/C3HW33	241/600-2CS5K30/C3HGEA8	AOHX 241/600
241/560 ECK30J/C3HW33	241/560-2CS5K30/C3HGEA8	AOH 241/560 G
24196 CAK30/C3HW33	24196-2CS5K30/C3HGEA8	AOH 24196
24192 ECAK3/C3HW33	24192-2CS5K30/C3HGEA8	AOH 24192
24176 CCK30/C3HW33	24176-2CS5K30/C3HGEA8	AOH 24176
24164 CC/C3W33	24164-2CS5K30/C3HGEA8	AOH 24164
24152 CC/C3W33	24152-2CS5K30/C3HGEA8	AOH 24152
24140 CC/C3W33	24140-2CS5K30/C3HGEA8	AOH 24140

232 series - standard	232 series - sealed	Withdrawal sleeve
232/750 ECAK/C3HW33	232/750-2SC5/C3HGEA8	N/A

231 series - standard	231 series - sealed	Withdrawal sleeve
23196 CA/C3HW33	23196-2SC5K/C3HGEA8	AOHX 3196 G

Get more from your roller press or HGPR.

Find out what sealed SKF Explorer spherical roller bearings could do for you:

skf.com

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