



The very best of NTN's ball bearings, available in Europe.

NTN-SNR PURSUES THE ROLL-OUT OF CM INTERNAL CLEARANCE ON ITS RANGE OF DEEP-GROOVE BALL BEARINGS.

In step with a process launched last year, CM internal clearance is now spreading to the whole range of deep-groove ball bearings so that bore diameter codes 00 to 06 are also available in the coming months. Initially designed for applications with stringent requirements – electric motors in particular – NTN deep-groove ball bearings with CM internal clearance make up the brand's new offer. They feature major improvements in terms of internal radial clearance and noise levels. These qualities are guaranteed by strict control procedures during the manufacturing process. With this range, NTN-SNR is offering higher-quality deep-groove ball bearings that can take the place of the standard references used in industry. By further enhancing its own standard, NTN-SNR has once again highlighted its determination to provide all its customers, distributors and end users with the very best of NTN Japanese design.

A noticeable reduction in sound level

Superior Japanese quality serving European industry

NTN deep-groove ball bearings with CM internal clearance were originally designed specially for electric motor applications which require particularly quiet bearings. These CM bearings feature radial internal clearance that lies within the limits of normal internal clearance, but with reduced clearance tolerances (for example, for a bore diameter of 50 mm, a bearing with normal internal clearance would have clearance of 6 to 23 microns, whereas a product with CM internal clearance has one of 9 to 17 microns).

This innovative technical characteristic significantly reduces the bearing's vibration levels and, therefore, the noise that it makes when in operation. Laboratory tests reveal a reduction of up to -3 dB: a noise level reduced by half when compared with conventional standard-clearance products.

CM clearance is obtained thanks to excellent control of the manufacturing process and NTN's recognised know-how. Every part we manufacture is inspected to guarantee clearance and noise levels.

Easy implementation for the user

Fully interchangeable parts, regardless of the dimensions

These bearings with CM internal clearance feature assembly parameters that are identical to those of their counterparts with normal internal clearance and they are fully interchangeable. They have the same load capacities and identical performance levels as regards rotation speed. For the sealed references (deflectors and seals), the products are provided greased for life using a high-performance grease (suffix 5K).

To ensure customers can easily identify the upgrade, the bearing designation

The range of NTN deep-groove ball bearings with CM internal clearance

249 references in individual boxes

- Bore diameters of 10 to 160 mm

Deep-groove ball bearings

- Open
- With deflectors, 5K grease
- With contact seals, 5K grease
- With non-contact seals, 5K grease



systematically includes the CM suffix. The initial parts are already on sale. Roll-out of this range of ball bearings will be completed soon.

NTN-SNR is the only actor on the European market to offer ball bearings of this quality, thus confirming its premium positioning and its determination to deploy "made by NTN" quality on its industrial markets.

NTN-SNR BEARINGS is an entity of the NTN Corporation. With a turnover of more than €5.7 billion, NTN Corporation is one of the world's leading designers, developers and manufacturers of bearings (the 3rd largest in the world) and transmission seals (the 2nd largest in the world). NTN Corporation is present in all industry, automotive and aerospace markets. The acquisition of SNR ROULEMENTS in 2007 allowed the NTN Corporation group to strengthen both its presence in Europe and its positioning as a world leader. NTN employs nearly 7,000 people in Europe, with 15 production sites, including 7 in France.

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