

Press release

Anney (Haute-Savoie, France), 13 November 2017

The very best of NTN's made-in-Japan ball bearings, at no extra cost

NTN-SNR is revamping its range of NTN deep-groove ball bearings with an improved version with CM internal clearance.

NTN-SNR has launched its range of NTN deep-groove ball bearings with CM internal clearance, which will progressively replace the current range with normal internal clearance. 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 in Japan. 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, with no difference in price. 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 manufacturing.

100% control of silence and internal clearance

NTN's made-in-Japan quality at the service of industry

NTN deep-groove ball bearings with CM internal clearance were originally designed specially for advanced applications, and above all for electric motors, 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 a clearance of 6 to 23 microns, whereas a product with CM internal clearance has one of 9 to 17 microns). This makes it possible to considerably

reduce vibration levels and therefore noise as well. These vibratory and acoustic performance levels provide enhanced user comfort. These results are 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 over the full production range.

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

170 references in individual boxes

- Bore diameters of 35 to 160 mm

Deep-groove ball bearings

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

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).

Enhanced quality at no extra cost

Progressive upgrades for customers

NTN-SNR proposes NTN ball bearings with CM internal clearance at no extra cost as compared with products featuring normal internal clearance. The bearing designation systematically includes the CM suffix so that customers can easily identify the upgrade. The initial parts are already on sale. Full roll-out of this range of ball bearings should be completed during the first quarter of 2018.

NTN-SNR is the only actor on the European market to offer ball bearings of this quality at the same price, thus confirming its premium positioning and its determination to deploy NTN's made-in-Japan quality on its industrial markets.

NTN-SNR ROULEMENTS, headquartered in Annecy (Haute-Savoie, France), belongs to Japanese Group NTN Corporation, a global leader in bearings. NTN-SNR manages and develops all NTN's activities for the EMEA region and Brazil. NTN-SNR, a major force as a designer, developer and manufacturer of bearings and sub-assemblies for the automotive sector, industry and aeronautics, offers a comprehensive range by also developing maintenance services and solutions. NTN-SNR employs 4,225 people at nine production sites, including six in France, as well as 18 sales offices.

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