



NTN-SNR ENLARGES ITS SPLIT PLUMMER BLOCK RANGE

NTN-SNR thinks big(ger) for its split plummer blocks. Previously designed for diameters ranging from 20 to 160 mm, the range of ductile cast iron plummer blocks is now getting wider! It extends to 500 mm and its innovative design offers many built-in features. The SNCD range, a new “all-inclusive” standard reference.

Heavy loads, numerous shocks, extreme vibrations, very dusty environments, large temperature variations, etc., ductile cast iron split plummer blocks are subjected to rough treatment. Mine, quarry, cement works, steelworks, heavy industry, etc. are very demanding applications, where maintenance times have a strong impact on production output. The larger the dimensions, the more restrictive the constraints are. In order to address all these issues, the engineers of NTN-SNR's design and engineering department at Bielefeld in Germany have developed a new range of split plummer blocks adaptable even to the most extreme conditions.

- **Standard features**

Apart from their larger dimensions, up to 500 mm in diameter, the new range of SNCD bearings has been developed to make the lives of users easier.

How? By incorporating options currently available in the market directly into the product... or when optional becomes standard!

Connectors for temperature sensors and vibration sensors, triple access for regreasing (front, rear, side), grease drainage holes, these are the features built into these new NTN-SNR housings. As for the standard ISO dimensions of each bearing unit, they ensure easy replacement and interchangeability. The possibility of changing from standard cast iron to ductile cast iron to boost the performance of the facility is thus made easier.

- **Innovative patented design**

The incorporation of all these standard features was possible thanks to the research carried out into an innovative and high-performance design by NTN-SNR's engineers, at the study centre specialising in bearing units for more than 50 years. First of all, the chosen material, ductile (or spheroidal graphite) cast iron, has excellent mechanical

properties with 80% higher tensile strength than standard grey cast iron. Then the design of the product was enhanced for optimal performance. This exclusive patented concept offers a reinforced belt and a cross-structure base to rigidify the assembly.

Design, development and production: this housing is 100% made in Germany and guarantees optimal functioning of the bearing thanks to a more controlled load distribution because of reduce internal distortion. The aim? Have a longer service life of the bearing for a lower maintenance cost and maximum efficiency.

- **Plummer blocks in stock**

In order to ensure short replacement times, NTN-SNR offers these new split plummer blocks in stock. Wishing to optimise its customers' procurements, NTN-SNR also offers all products necessary for the appropriate use of SNCD split plummer blocks:

ULTAGE spherical roller bearings, labyrinth seals, taconite seals, covers, fixing ring, etc.



THE FIGURE: More than 400 possible combinations

The wide range of SNCD split plummer blocks provided by NTN-SNR, combined with a large number of related products and accessories, offers the possibility of more than 400 various combinations to meet a maximum number of requirements.

2 QUESTIONS TO... JENS ULBRICH, NTN-SNR Product Manager in Bielefeld (Germany).

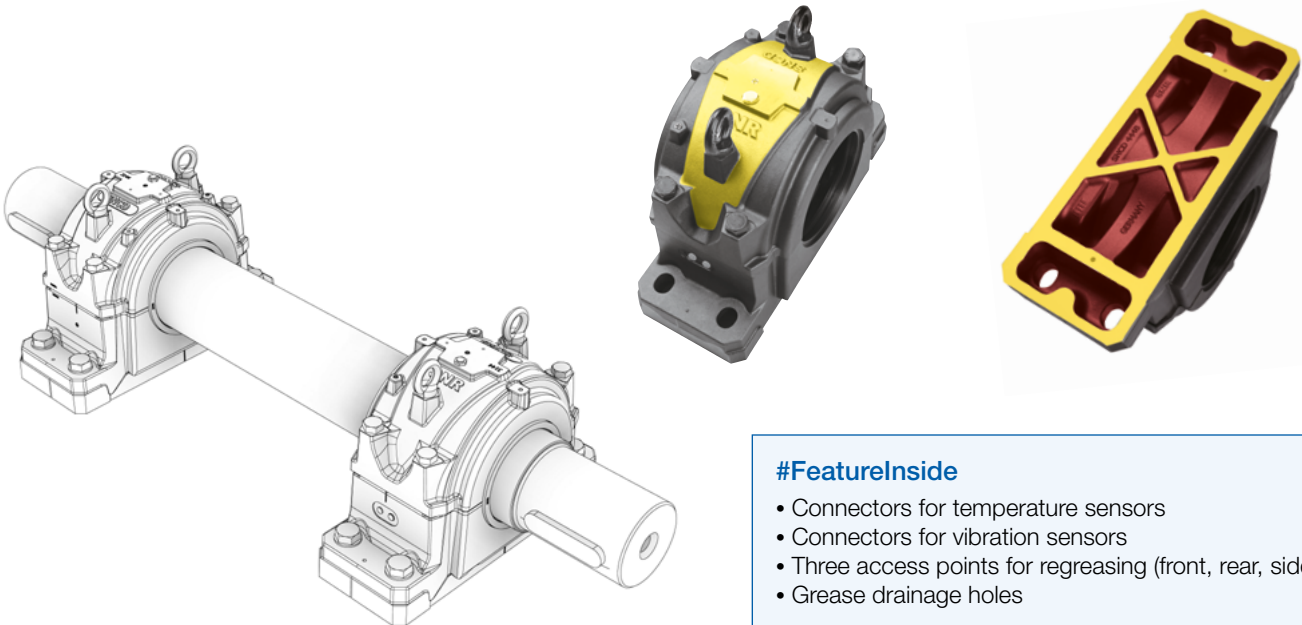


Why do you offer «standard» features which are only available on the market today as «optional»?

Having all the features in a single product guarantees peace of mind. The idea is to make the lives of the distributor and the customer easier by providing consistently superior performance. All they need to do is look at the type of bearing they require, and we can provide them with a comprehensive range that meets their constraints and is 100% interchangeable. In addition, proposing standard connectors and regreasing holes also enables to prioritise preventive maintenance.

Does this affect the purchase price?

Above all, this leads to savings over the long term. The 115 to 500-mm SNCD split plummer blocks are parts designed for both stringent and extensive applications: mines, quarries, long distance conveyors, etc. While the purchase cost is important, the maintenance cost is just as important, if not more so. Reducing maintenance time and costs also means increasing efficiency. And this is what we offer with the integration of sensors directly on the bearing housing. This makes it possible to track the change in the bearing's performance and to intervene before it breaks.



#FeatureInside

- Connectors for temperature sensors
- Connectors for vibration sensors
- Three access points for regreasing (front, rear, side)
- Grease drainage holes

FOCUS ON THE BIELEFELD SITE: GERMAN QUALITY



The NTN-SNR site in Bielefeld, Germany, the company's Lead Center Linear Motion, has been a centre specialising in bearing units and Plummer Blocks for more than 50 years.

These 2,425 m² are dedicated to design, R&D, engineering, production, commercial back office, and include a test centre. The primary aim of the 80 employees in Bielefeld is to develop custom and standard solutions for international customers, thus covering virtually all the industrial fields.

NTN-SNR ROULEMENTS is an NTN Corporation entity. Generating revenue in excess of €5.7 billion, NTN Corporation is one of the world's leading designers, developers and manufacturers of bearings (ranked no. 3 in the world) and transmission seals (ranked world no. 2). NTN Corporation is present in all major industrial markets, from the automotive sector to aeronautics. The takeover of SNR ROULEMENTS in 2007 by the NTN Corporation group enabled the latter to consolidate its presence in Europe and its position as world leader. NTN employs nearly 7,000 people in Europe and has 15 production sites, 7 of which in France.

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