

Press release

Annecy (Haute-Savoie, France), 2 May 2017

NTN-SNR on the offensive in the aggregate market

NTN-SNR launches a pack for simplified maintenance of quarry equipment bearings

On 2 May, NTN-SNR will launch its new "*quarry pack*" for the maintenance of bearings on machines used in these particularly harsh environments. This pack uses premium products to meet the users' established needs. Kits for belt conveyors form the core of this range. Combining open or sealed bearings, they provide an all-in-one solution that optimises site maintenance. All bearings are part of the ULTAGE high-performance range and NTN-SNR's AGR technology replaces standard insert bearings for smaller conveyors that use self-aligning bearings and insert bearings. They offer enhanced sealing against pollution and a robust shield against flying rocks. For other quarry equipment, NTN-SNR offers EF800 ULTAGE bearings for vibrating applications, ductile cast iron SNCD bearings with 80 % better resistance than standard cast iron bearings, or larger ULTAGE bearings with outside diameters of up to 600 mm. With this new pack, NTN-SNR will consolidate its position in the strategic quarry market by allowing significant productivity gains and optimised equipment life cycle costs. To deploy its "*quarry pack*", NTN-SNR is relying on a selection of Industry distributors, for which it has set up a major European training programme.

Replacement kits for conveyors at the core of the offer

NTN-SNR is offering three kit families in its pack. First, a family of 13 kits made up of a sealed bearing with its specific thrust collars and sleeve. The shaft diameters corresponding to these references range between 35 and 90 mm. The other two distinct families of kits comprise a bearing and an open or sealed bearing. These kits have several major advantages: customers can avoid making errors when ordering because they offer an all-in-one solution with 7 different components for bearing replacement with fixed or free bearings; simplified management during storage and assembly; and economic savings, as the sales price of the kit is less than the sum of its components sold individually. To meet the most common demands, the kits comprising spherical roller

Example SNC bearing kit + open or sealed bearing for conveyors

- **1 SNC bearing**
 - **1 plug**
 - **1 open or sealed bearing** (10 references for shaft diameters of 35 to 80 mm)
 - **2 thrust collars**
 - **1 sleeve**
 - **2 seals**
- + for the open bearing kit version a single-point Drive Booster lubrication system and its free control unit.**

bearings from the ULTAGE high-performance range are available in 10 open and 10 sealed versions. The shaft diameters corresponding to these references range between 35 and 80 mm. The sealed ULTAGE version provides a service life 3 to 4 times longer than that of an open bearing and benefits from the same advances in terms of metal treatment and optimisation of geometries. It comes factory-lubricated and only requires a single top-up of Extreme Pressure grease a year to guarantee its long service life. Finally, the NTN-SNR single-point Drive Booster lubrication system is available with the open bearing kit for optimised lubrication. With its 120 cm³ tank, it covers one year of lubrication, thus generating grease savings and improved bearing operation thanks to regular dosage of Extreme Pressure grease suitable for conveyor applications.

Premium quality for all quarry applications

Apart from these kits that make conveyor maintenance easier, NTN-SNR offers premium quality bearings for all applications on quarry equipment, which contribute to a significant improvement in product life cycles and plant productivity.

AGR ultra-resistant bearings for light-weight conveyors

NTN-SNR has developed the AGR insert bearing, suitable for all types of self-aligning bearings, to cope with specific stresses caused by pollution and impacts in stony environments. The seal consists of a 3-lip nitrile rubber seal plus a very robust deflector crimped on the inner ring. This avoids pollution build-up near the seal's lips, and acts as a shield against flying rocks. This seal comes with lifelong lubrication with a high-performance grease that fills 90 % of the ball bearing's free space. 14 references are available for shaft diameters of 35 mm to 60 mm.

EF800 ULTAGE bearings dedicated to vibrating applications

The EF800 ULTAGE bearing has become one of the best on the market for vibrating applications. Since its introduction, its very high reliability has been demonstrated in very harsh quarry applications subjected to high loads, high vibration, pollution and corrosive environments. Its massive brass cage centred on the rollers allows for perfect guiding without interfering with the inner and outer rings of the ball bearing. In addition, if the first signs of malfunction appear, the high resilience and self-lubricating properties of brass enable technical departments to carry out preventive maintenance before any equipment breaks.

Large ULTAGE bearings and SNCD bearings for grinding/crushing

Finally, NTN-SNR offers a wide range of large ULTAGE spherical roller bearings with outside diameters of up to 600 mm and a range of ductile cast iron SNCD bearings offering 80 % better load resistance for applications on grinders, crushers and on large conveyors (shaft diameter from 150 mm).

Proven productivity gains



Romain Delhaye, quarry manager at A2C Granulat, testifies to the performance of NTN-SNR bearings: *"Our plant is subject to extremely high production requirements, which limits the time available for maintenance. Crushers and screens are subjected to significant radial stresses due to the large number of impacts and vibrations. Thanks to its extreme reliability, NTN-SNR's specially developed range of spherical roller bearings has allowed us to limit costs and machine downtime. We have seen a substantial increase in the productivity of the site, thus meeting our objectives."*

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.

PRESS CONTACT: Carol Donat - +33 (0)4 50 65 30 27 – carol.donat@ntn-snr.fr