

Mines and Quarries Market NTN-SNR launches the **ULTAGE** label to meet increasingly tough demands

NTN-SNR is launching **ULTAGE**, a label certifying quality and high performance in spherical roller bearings. The NTN-SNR range of spherical roller bearings is one of the most comprehensive on the market. It is a perfect response to the stringent demands of equipment used in the operation of mines and quarries and in particular for applications in the presence of high levels of vibration. But NTN-SNR goes further, offering its customers overall solutions through the use of a range of lubrication products specifically adapted to the mines and quarries market and a customised range of training for fitters.

ULTAGE, ever tougher demands in the mines and quarries market

NTN-SNR is launching **ULTAGE**, a quality label for spherical roller bearings, mainly to meet the special requirements of mines and quarries applications.

Outdoor installations and those at the bottom of mines are in a corrosive environment, with the presence of dust, water or even sand encouraging contamination of the bearings. In addition, these bearings are subjected to heavy loads, strong vibrations and high temperatures (over 100°C). In breaking or crushing plant, they also suffer impacts. Such demands subject them to great stress. **ULTAGE** range spherical roller bearings from NTN-SNR are designed to cope with these stresses.

ULTAGE, the NTN-SNR Label for Premium-Quality Bearings

Developed for spherical roller bearings, the **ULTAGE** label has numerous advantages. These highly efficient bearings have optimal load capacity, among the best on the market. With the selection of extremely pure steels, and with heat treatments to increase their performance and strength, **ULTAGE** bearings last twice as long as the previous design. Also, these bearings rotate at higher speeds while generating less heat. The improved geometry of their surfaces also reduces the consumption of lubricants and energy.

All these features make **ULTAGE** bearings premium-quality bearings. *"The quality of these bearings is such that we see a real reduction in the need for work on machines, meaning a reduction in operating and maintenance costs for companies that use them,"* explains Yann Genty, NTN-SNR's Product Manager.

The **ULTAGE** range is now available for bearings with an external diameter of up to 420 mm. Thus, NTN-SNR meets a large part of current market demand from mines and quarries. NTN-SNR is now investing in production lines in Italy to extend the range under this label to larger size bearings: **ULTAGE** should therefore be available for bearings of up to 650 mm in external diameter by 2014.

Of course, spherical roller bearings are not only used in mine and quarry applications; they also find application in the steel- and paper-making sectors.

NTN-SNR has also developed the **ULTAGE** label for the F800 range, particularly suitable for vibrating screen applications, crushers and mills. Available with a solid brass cage, these bearings also have improved load capacity and reduced bore, external-diameter and clearance tolerances.

A Comprehensive Range to Meet Customers' Demands

In addition to its bearings, NTN-SNR also offers various services, in particular training for fitters and distributors and its lubrication range: LUB'SOLUTIONS.

Training for a Better Understanding of Bearings and Maintenance Techniques

As well as designing and manufacturing bearings, NTN-SNR can also fit them – an additional guarantee for its customers. It also offers customers training in bearing analysis and trouble-shooting and in mounting and replacement techniques.

"Maintenance conditions in mines and quarries are often difficult. It is sometimes necessary to work on bearings dozens of metres below the surface, outdoors, or in the presence of numerous contaminants, requiring a series of precautions. We work with our customers and train them in the methods required to ensure that their bearings work correctly," explains Guy Weber, NTN-SNR's Contracts Manager.

NTN-SNR also offers training for distributors, so that they understand the characteristics of the various NTN-SNR bearings in greater detail and can then, in turn, advise their customers with greater confidence.

LUB'SOLUTIONS, Lubricants and Lubrication Systems Specifically Suited to Mines and Quarries

NTN-SNR provides lubrication solutions for all bearings. LUB'SOLUTIONS is a range of lubricants, greases and oils and a variety of lubrication systems, extending from standard products to customised installations.

NTN-SNR has done specific work on defining the type of oil and its viscosity, essential for ensuring that bearings run correctly. The LUB'SOLUTIONS range offers eight lubricants, two of which are particularly suited to the demanding environment of mines and quarries: HEAVY DUTY, for heavy load applications and VIB for parts subject to vibrations and impacts.

NTN-SNR also provides advice and expertise on the installation of industrial devices for its customers. In mines and quarries, single-point greasers and lube oil consoles are the main devices employed.

A Strategic Market for NTN-SNR

NTN-SNR has been a close partner of mining and quarrying professionals for many years, present not only in quarries for the extraction of aggregates and construction materials but also in coal and mineral mines.

NTN-SNR already has contracts with major mine and quarry operators, cement works and machinery manufacturers. It is already firmly established in Germany, where it works with companies specialising in the after-market. It is also growing in markets with great potential such as South Africa and Latin America, Spain, Portugal, eastern Europe and Turkey.

This strategy to win markets and roll out innovations confirms NTN-SNR's desire to expand in the mines and quarries market.

NTN-SNR is the result of the merger of NTN and SNR ROULEMENTS in April 2008. Today it is part of the world's third largest bearings group, NTN Corporation, and specialises in bearings for the automotive, industrial and aeronautics sectors. It also develops services and maintenance solutions in its Experts & Tools department. NTN-SNR employs 5,128 people and has 11 production sites in Europe and Brazil and 23 sales offices around the world.

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