

ROLLING BEARINGS FOR CEREALS ROLLING MILL

BUT
BEARINGS UNIVERSAL TECH
The Alternative Power



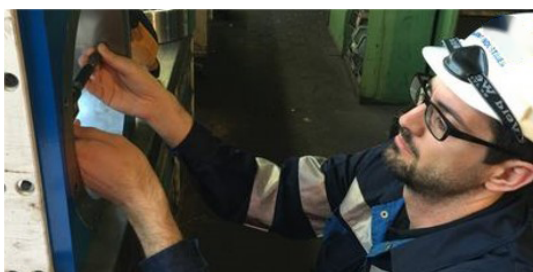
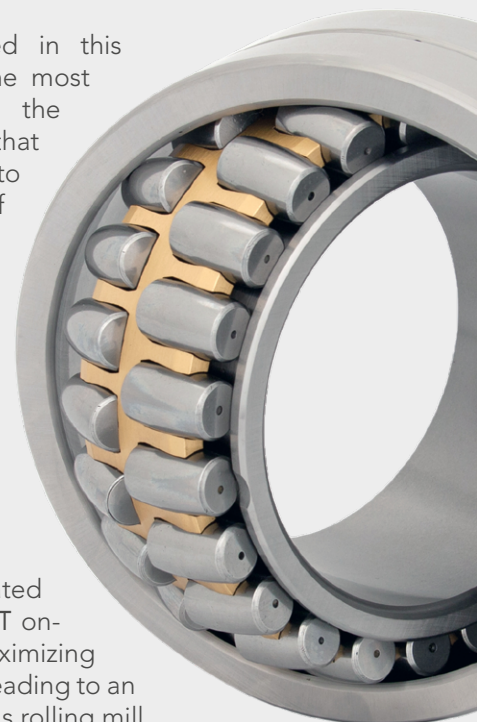
BUT: the UK Premium-Class Bearing Manufacturer

After a century of transformation, BUT bearings have provided high-quality roller bearings for various industrial customer groups. We continue to develop, design, and manufacture sturdy bearings that serve as the cornerstone of the British industrial economy. The UK has undergone significant changes in the past 100 years, and BUT bearings have proven to be able to adapt to these changes. As steel has been one of our main customers since 1911, the industry has transformed into thin plate continuous casting machines and faster rolling mills, and BUT bearings use more precise bearings to cope with more precise steel products and longer service life.

WHY TO WORK WITH US

BUT bearings are widely used in this type of application. One of the most appreciated characteristics is the reliability of our bearings, that permitted many customers to benefit of a sensible reduction of unexpected equipment failure. In fact, the first quality bearing steel used, the optimized internal bearing geometry, the optimal rolling elements and raceways curvature, microgeometry and much more, lead to an excellent distribution of the external loads inside the bearing.

All these technologies, corroborated by the constant presence of BUT on-field technical personnel, are maximizing the overall bearing service life, leading to an increased reliability of the cereals rolling mill.



BUT Assistance at Customer's Site



Modern machine grinding flour making

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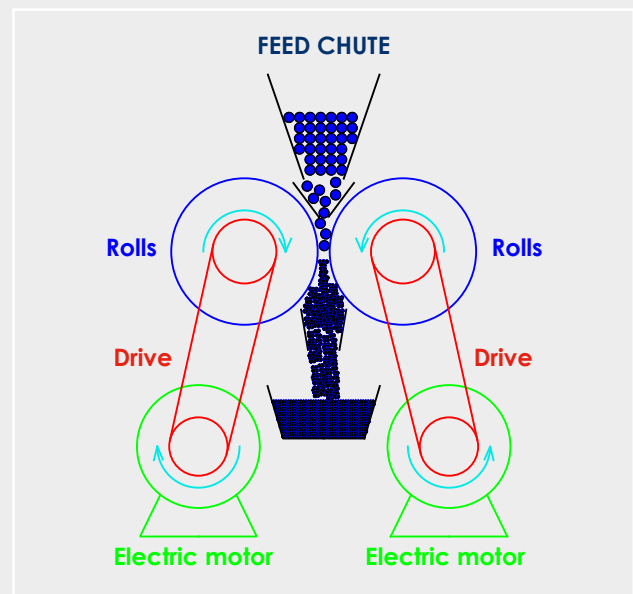
Spherical roller bearing with tapered bore mounted on shaft seat



APPLICATION DESCRIPTION

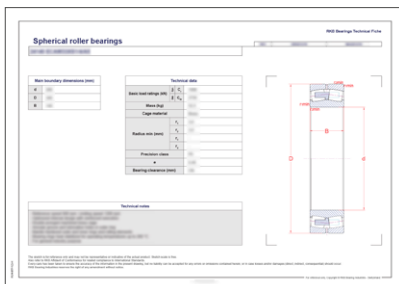
Rolling mill stands are used to mill cereals. The cereals are rolled by passing among two counter-rotating cylinders which are supported by two shafts. According to the machine type, there are also cylinders that can be heated during the milling process by means of the heat brought by a fluid. The shafts are usually supported with spherical roller bearings that can be conceived with cylindrical or with tapered bore depending on the machine type or by the desired bearing residual internal clearance after mounting.

The cylinders distance is usually adjusted by the user in accordance with the roller product or with the desired production rate.

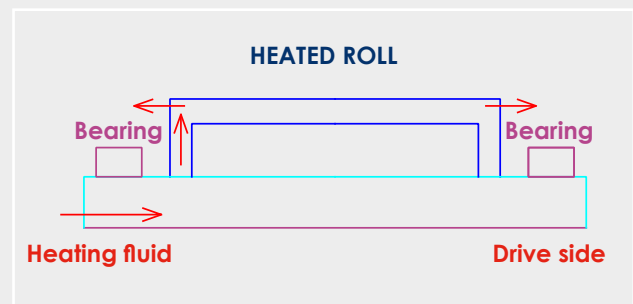


Rolling mill functioning principle

BUT Bearing Technical Fiche



Typical spherical roller bearing with cylindrical bore utilized by OEM cereal mills producer. Bearing is mounted on rolling cylinders, the most critical position of the machine.



Cylinder scheme