

ROLLING BEARINGS FOR COAL PULVERIZER

BUT
BEARINGS UNIVERSAL TECH
The Alternative Power



BUT: the UK Premium-Class Bearing Manufacturer

After a century of transformation, BUT bearings have provided highquality 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 steel products and longer service life.

recognized as *"The AlternativePower"* in the bearing industry.



Grinding table speed reducer

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 profiling and much more, lead to an excellent distribution of the external loads inside the bearing and to reduce the negative effects induced by the level of vibrations proper of this kind of application.

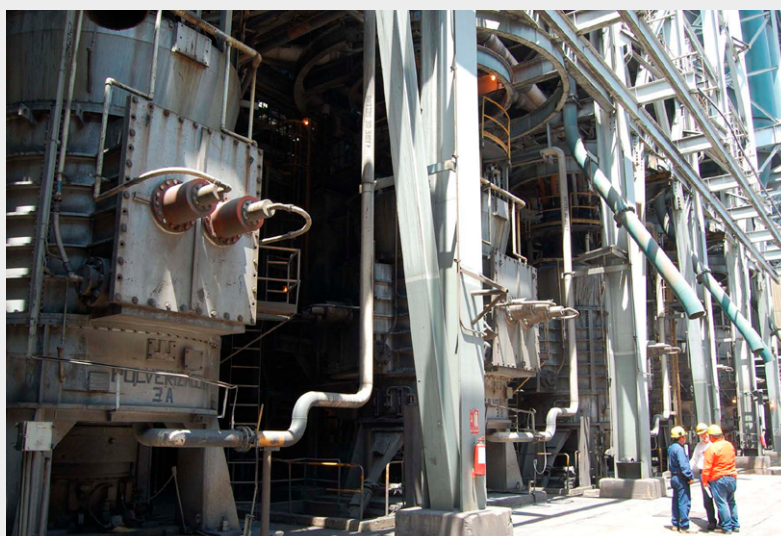
All these technologies, corroborated by the constant presence of BUT on-field technical personnel, are maximizing the overall bearing service life, leading to an increased reliability of all the coal pulverizer.



BUT Cylindrical roller bearing



BUT Spherical roller bearings



BUT technical on-field activity in a power plant

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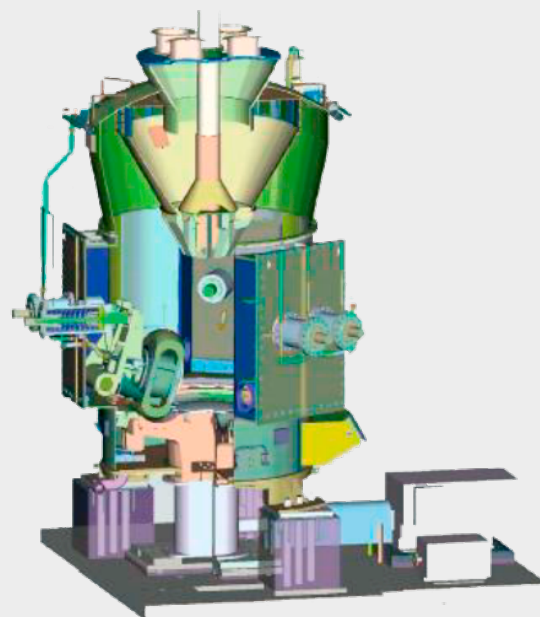
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APPLICATION DESCRIPTION

Nowadays, the ever-growing demand of alternative energy leads also to an important upgrade of traditional energy. In a coal power plants, a coal pulverizer assumes a paramount importance in order to increase boiler efficiency by providing pulverized coal with a specific granulometry. In a coal pulverizer, rolling bearings are fundamental.

BUT reached an enviable experience, competence and reliability in this specific application, obtaining successful and countless excellent results in providing bearings for the most critical coal pulverizer assemblies, like grinding rollers and grinding table speed reducers.

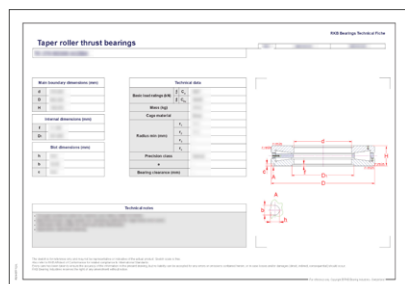


Coal pulverizer 3D model



Grinding roller bearings mounting

BUT Bearing Technical Fiche



Typical thrust tapered roller bearing design utilized by leading OEM power plant producer, located in a worm gear speed reducer (bowl mill vertical shaft assembly).