



MADE BY GERMANY TECH

01 Bearings for paper applications

Engineered to survive high stress
• paper mill applications

UST offers a broad range of spherical roller bearings and other bearings for paper industry. These bearings undergo special heat treatment to ensure no failure under heavy compressive loads. The unique operating conditions of press, suction and calendar rolls subject bearings to high surface stresses on raceways

UST Spherical Roller Bearing Solutions

- Steel cage and brass cage
- Suitable for standard applications

Case carburized inner ring for •



high stress applications on special request
Sealed Sphericals •
Reduced maintenance due to •
sealing

BMI also offers housed units and plummer blocks for paper industry applications. For detailed types of bearings used in the different sections of paper mill

Benefit of BMI Bearings
Maximum Capacity- •
Improved internal geometry

These bearings undergo special heat treatment to ensure no failure under heavy compressive loads

permits more roller length and diameter for some of the highest load carrying capacities
Superior Precision - Advanced •
manufacturing and super-finishing techniques help better eccentricity control which ultimately reduces vibration

- Broad Range
- Case hardened components for critical application to ensure longer life

02 MAINTENANCE TIPS: Paper Industry

In a typical papermaking process, water, heat, steam and dust put even the best lubrication products and procedures to the test. At various stages in the process the threats come from water, heat

steam or dust, and these perils are real even when the lubrication products and processes are the best available for each application. Both grease and circulating oil lubricate bearings in forming sections. However, grease is more common. It is used in probably 80 to 90 percent of wet sections and helps the seals in keeping water

out of the bearings. In fact, in this application grease functions as much as a water barrier as a lubricant. As a general rule, fill the bearing cavity 100 percent while filling the housing cavity 30 to 50 percent. Most housings are equipped with a labyrinth seal; fill this seal completely with grease and an added sealing measure

