

Bearing bushings made of high-performance ceramics



Bearings of rotating shafts and journals under demanding ambient conditions such as high temperature, chemical attack or insufficient lubrication can be safely mastered with the bearing material ceramic.

Ceramic sliding bearing for a demanding range of applications

Bearings with sliding partners of different Kyocera high-performance ceramics have been used successfully as a standard in agitators and pumps for the food, pharmaceutical and chemical industries for many years. The polished surfaces of the high-performance ceramics achieve excellent sliding properties even under difficult lubrication conditions.

Bearings at temperatures of up to 1900 ° C can be achieved with this choice of material. In the metalworking industry, strips, wires and sheets are passed through liquid metal for surface treatment. Deflection pulleys are immersed in the liquid metal with Kyocera ceramic. With the extraordinary service life of these bearings, maintenance intervals are significantly extended.