

**ceratec**<sup>®</sup>  
CERAMIC BEARINGS BV



**CERAMIC  
ON THE  
RIGHT SPOT!**



**BALL BEARING**

# BALL BEARING



## INDUSTRY

- pump
- chemistry
- petrochemistry



## MATERIAL

- aluminum oxide
- silicon nitride



## APPLICATION

- bearing
- driving
- transporting

Ball bearings are available in full ceramic or as hybrid material. Emphasis is on application at higher temperatures and under corrosive conditions. Lubrication is often less critical. The liquid medium surrounding the ball bearing can give sufficient lubrication. At low loads and speeds there is no need for lubrication at all.

## CHARACTERISTICS OF THE CERAMIC BALL BEARING

- from -40 °C to 350 °C
- high rpm's and loads
- medium-lubricated
- wear and corrosion resistant
- metal/ceramic system (cartridge)
- compact construction
- easy to build-in
- longer maintenance intervals