Data Sheet

CeramicSpeed Xtreme

ceramicspeed

A bearing that is unlikely to fail or fracture

Innovations in material science are changing a lot of industries these years. Ceramic materials are proving stronger and much more durable than e.g. steel – and this impacts your industry, too.

CeramicSpeed Xtreme

Hybrid ball bearings are the future in demanding applications. They outlast and outperform common bearing types and have a service life of 4 to 8 times longer than steel bearings – in most cases even longer.

Tougher than the rest

The CeramicSpeed Xtreme ball bearing series are designed for applications in contaminated environments, where particles can penetrate the bearing and affect the bearing performance. Characterized by unmatched hardness, the hybrid balls tolerate a high degree of contamination, crushing the particles that penetrate into the bearing races. They are also highly resistant against water and detergents because Silicon Nitride does not corrode.

This CeramicSpeed Xtreme series can also be manufactured and optimized specifically for oscillating applications.

These applications match special machines, where a bearing not performing full rotation is needed.

Tech stuff

CeramicSpeed hybrid ball bearings are fitted with premium-quality ceramic (Si_3N_4) balls, which are twice as hard and 4 times smoother than steel and need much less lubrication. A much lower friction coefficient reduces bearing temperatures and power consumption.

Who we are

CeramicSpeed is a dedicated and leading supplier of hybrid ball bearings. With a strong presence in the European market, we are rapidly becoming the industry's most trusted supplier of advanced bearing solutions.

Constantly at the forefront of technological development and innovation, we offer the widest range of premium bearings.

Why choose hybrid bearings?

- 4-8 times longer lifetime than conventional bearings
- Extreme resistance to contamination, heat and dust
- Lower friction and operating temperature
- Higly resistant against water and detergents