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# Stay Ahead of the Game

*CERAMICSPEED*

# With CeramicSpeed hybrid ball bearings in your electrical motor

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.

Hybrid ball bearings are the future for manufacturers of electrical motors. The demand for stronger, more durable and longer-lasting bearings for electrical motors is on the rise – and in many applications, conventional steel balls in motor bearings simply won't cut it.

## 4 to 8 times longer life than steel

Hybrid ball bearings are proven to last 4 to 8 times longer than steel bearings – in some cases even longer. For your customers, this eliminates frequent replacements, production stops or unforeseen breakdowns due to bearing failure.

Hybrid bearings also give your customer a number of distinct advantages, not least a massive reduction in MRO spending.

## Market only the best

Hybrid ball bearings are ideally suited for your high-end range of motors and will make it possible for you to market a premium solution to customers who demand only the best.

## Tech stuff

CeramicSpeed hybrid ball bearings are fitted with premium-quality ceramic ( $\text{Si}_3\text{N}_4$ ) balls, which are twice as hard and four times smoother than steel.

A much lower friction coefficient reduces bearing temperatures and hence reduces power consumption in the motor.

## 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.

## Technical Highlights

- Offer your customers a high-value product with extremely long service life
- Much less frequent repairs of bearings
- Higher motor efficiency
- FDA-approved for food production applications
- No electrical erosion due to stray currents – ceramic ball bearings are non-conductive
- Capable of operating under extreme temperature conditions