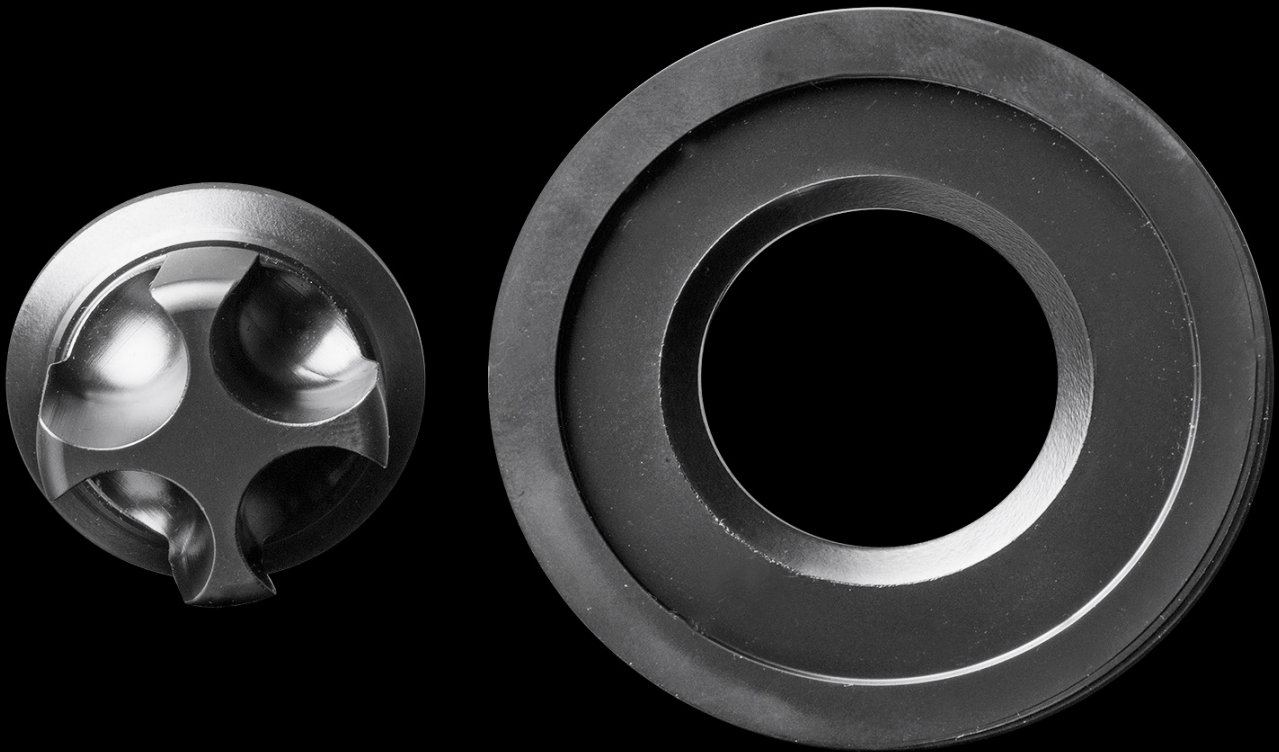

Data Sheet

CeramicSpeed Coating



CERAMICSPEED

CeramicSpeed Coating

Bearing rollers, races and other wear parts can acquire increased resistance to wear and thus service life. Our CeramicSpeed Coatings provide extremely high corrosion resistance, as well as wear, and friction-suppressant properties.

CeramicSpeed CorroCoat

Our CorroCoat series is intended for corrosive environments and can be used for all kind of steel types, including stainless steel

- 2 to 4 longer service life on wear-parts
- Excellent corrosive protection
- Low friction coefficient
- FDA approved
- Good wear resistance

CeramicSpeed HardCoat

Our HardCoat series is our toughest coating with extremely low friction and high wear resistance.

- Extreme low friction
- Extreme hardness
- Extreme wear resistance
- Good corrosion protection

	Bearing Steel	CorroCoat	HardCoat	Silicon Nitride
Process		“Dipping”	Physical Vapor Dispersion (PVD)	Sintring
Process temperature		<80	170	>1000
Color		Grey	Black	Antracit
Hardness, HV (vickers)	700	1200-1300 *	1200-1800 *	1600
Max. running temperature °C	150/200	800	500	1000
Thickness µm	Solid	3-6 µm	< 3µm	Solid
Coefficient of friction (against steel)	0,8	0,25	0,05-0,1	0,2

* Depending on specimen material properties