

Rod end with female thread, For food industry

EBRM-04-FC-EK



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- Housing optically and magnetically detectable
- FDA and EU 10/2011 compliant
- Dimensional series E based on DIN ISO 12240
- In industry-standard blue colour

Product description

Introducing the igubal rod end bearing, designed specifically for the food industry. This maintenance-free component features a durable igumid FC housing and a spherical ball made from iglidur A181, ensuring high corrosion resistance and insensitivity to dirt and dust. Compliant with FDA and EU standards, it offers excellent fatigue strength and the ability to compensate for misalignments. With its detectable materials and industry-standard blue colour, this rod end bearing is perfect for demanding environments.

Thermal properties

Max. long-term application temperature	90 °C
Max. short-term application temperature	180 °C
Lower application temperature	-40 °C

General properties

Weight	2.943 g
thread (inner/outer)	inner thread
Thread direction	Right-hand thread
Dimensional series	E, according to DIN ISO 12240
Housing material	igumid® FC
Spherical ball material	Stainless steel



Mechanical properties

Max. static transverse load, short-term	100 N
Max. static transverse load, long-term	50 N
Max. tightening torque, lead screw	0.4 Nm
Max. tightening torque through spherical ball	1.5 Nm
Max. pivot angle (α)	33 °
Max. static radial tensile stress, short-term	700 N
Max. static radial tensile stress, long-term	350 N

Dimensions

Shaft diameter	4 mm
Ø d2	15 mm
d3 thread	M04
pitch	0.7 mm
C1	3.5 mm
B	5 mm
h1	22.5 mm
l1	9.5 mm
l2	30 mm
W (width across flats)	SW08
Min. thread engagement	7 mm

Certificates and standards

