iglidur® G, flange bearing, imperial - GFI

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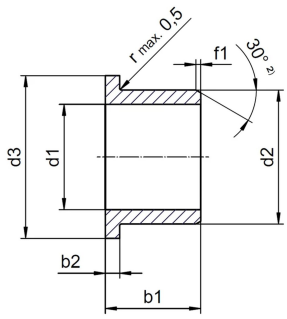

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- Excellent coefficient of friction
- Resistant to edge pressure
- Resistant to shocks and impacts
- Particularly resistant to dirt and dust
- Resistant to high loads (>60N/mm²)
- Mould resistant according to DIN EN ISO 846
- Fogging behaviour according to DIN 75201-B

Product description

Introducing the iglidur® G flange bearing, the ultimate all-rounder from iglidur® series. Designed to handle medium to high loads with excellent performance across various applications, it excels in agriculture, automotive, construction, and fitness. This bearing features an outstanding coefficient of friction, is resistant to shocks, dirt, and high pressures, making it perfect for pivoting and rotational movements. Choose iglidur® G for reliability and versatility in your machinery needs.

Electricity attributes

Specific transitional resistance	> 10^{13} Ωcm, test method DIN IEC 93
Surface resistance	> 10^{11} Ω, test method DIN 53482

Requirements

Detectable	No
RoHS 2 compliant according to EU guideline 2011/65/EU	Yes

General properties

Coefficient of friction, dynamic, against steel	0,08 - 0,15 µ
pv value, max. (dry)	0.42 MPa · m/s
Radioactive radiation max.	3 10^{2} Gy

Thermal properties

Max. long-term application temperature	266 °F
Max. short-term application temperature	428 °F
Lower application temperature	-40 °F
Heat conductivity	0.24 W/m · K, Prüfmethode ASTM C 177
Thermal expansion coefficient (at 23°C/73°F)	9 K–1 · 10–5 DIN53752

Dimensions

Shaft diameter	0.125 in
Ø d2	0.1875 in
Ø d3 (Flange)	0.312 in
b1	0.125 in
b2	0.032 in
Length of bevel (f1)	0.012 in
Length of bevel (f4)	0 mm
Bevel angle (f1)	30 °
Bevel angle (f4)	0 °

Mechanical properties

Modulus of elasticity	1131294 PSI
Flexural strength (at 20°C/68°F)	30458 PSI
Compressive strength	78 MPa
Max. recommended surface pressure	11603 PSI
Maximum surface speed, oscillating, short-term	276 fpm
Maximum surface speed, rotating, continuous	196 fpm
Maximum surface speed, rotating, short-term	394 fpm
Maximum surface speed, oscillating, continuous	138 fpm
Maximum surface speed, linear, continuous	787 fpm
Maximum surface speed, linear, short-term	984 fpm

Manufacturing and installation tolerances

Tolerance of shaft	h9
d1 after press-fit (max.)	0.1269 in
d1 after press-fit (min.)	0.1251 in
Shaft dimensions (max.)	0.1243 in
Shaft dimensions (min.)	0.1236 in

Certificates and standards

PFAS TESTED