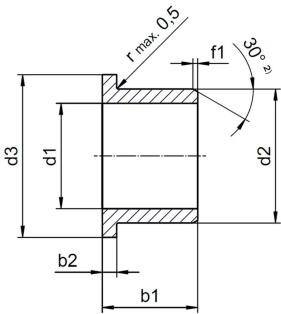


iglidur® G, flange bearing, mm
GFM-1214-11



iglidur® G, flange bearing, mm

- 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 versatile solution trusted by over 250,000 manufacturers worldwide. This lubrication-free and maintenance-free bearing excels under medium to high loads and various temperatures, making it perfect for diverse applications in agriculture, automotive, and construction machinery. With its excellent coefficient of friction and resistance to shocks, dirt, and high loads, the iglidur® G is your reliable all-rounder for pivoting and rotational movements. Choose iglidur® G for performance you can count on.

Electricity attributes

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

Requirements

Mould-resistant according to DIN EN ISO 846 Procedure A	Yes
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
CO2 equivalent per piece	0.0151 kg



Thermal properties

Max. long-term application temperature	130 °C
Max. short-term application temperature	220 °C
Lower application temperature	-40 °C
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	12 mm
Ø d2	14 mm
Ø d3 (Flange)	20 mm
b1	11 mm
b2	1 mm
Length of bevel (f1)	0.5 mm
Length of bevel (f4)	0 mm
Bevel angle (f1)	30 °
Bevel angle (f4)	0 °

Mechanical properties

Compressive strength	78 MPa
Max. recommended surface pressure	80 MPa
Maximum surface speed, oscillating, short-term	1.4 m/s
Maximum surface speed, rotating, continuous	1 m/s
Maximum surface speed, rotating, short-term	2 m/s
Maximum surface speed, oscillating, continuous	0.7 m/s
Maximum surface speed, linear, continuous	4 m/s
Maximum surface speed, linear, short-term	5 m/s

Manufacturing and installation tolerances

b1 tolerance	h13
Tolerance of shaft	h9
d1 after press-fit (max.)	12.102 mm
d1 after press-fit (min.)	12.032 mm
Shaft dimensions (max.)	12 mm
Shaft dimensions (min.)	11.957 mm
Tolerance d2 Housing bore min.	0 mm
Tolerance d2 Housing bore max.	0.018 mm



Certificates and standards

