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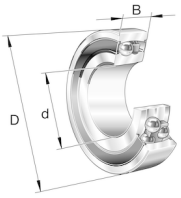


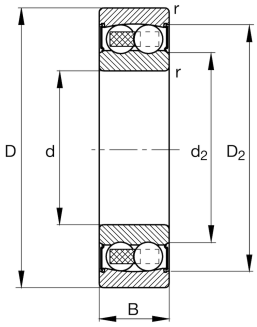
FAG

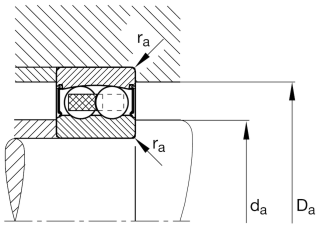
2311-2RS-TVH

Self-aligning ball bearing

Self-aligning ball bearing 23..-2RS-TVH, seals, plastic cage

Technical information





Your current product variant

Bore type	Z	Cylindrical
Sealing	2RS	Contact seal on both sides
Cage	TVH	Solid cage made of glass-fiber reinforced polyamide PA66
Tolerance class	PN	Normal (ISO 492:2023)
Radial internal clearance	CN (Group N)	Normal internal clearance
Lubricant	GA13	Ball bearing and insert bearing grease

Main Dimensions & Performance Data

d	55 mm	Bore diameter
D	120 mm	Outside diameter
B	43 mm	Width
C_r	52.000 N	Basic dynamic load rating, radial
C_{0r}	17.900 N	Basic static load rating, radial
C_{ur}	1.130 N	Fatigue load limit, radial
n_G	3.750 1/min	Limiting speed
≈m	1,886 kg	Weight

Mounting dimensions

$d_{a\ min}$	66 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	109 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	2 mm	Maximum fillet radius

The data sheet only contains an overview of the technical data of the selected product. Please refer to the additional documentation for this product. For further information, please use the following link on our website: Contact form

Dimensions

r_{min}	2 mm	Minimum chamfer dimension
D_1	101,272 mm	Shoulder diameter outer ring
D_2	106,35 mm	Caliber diameter outer ring
d_1	77,8 mm	Shoulder diameter inner ring
d_2	70,45 mm	Caliber diameter inner ring

Temperature range

T_{min}	-20 °C	Operating temperature min.
T_{max}	100 °C	Operating temperature max.

Calculation factors

e	0,24	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y_1	2,65	Dynamic axial load factor
Y_2	4,1	Dynamic axial load factor
Y_0	2,78	Static axial load factor

Characteristics

- Radial load
- Axial load in one direction
- Axial load in two directions
- Lifetime lubrication, freedom from maintenance
- Grease Lubrication
- Sealed on both sides
- Static angular error and misalignment
- Dynamic angular error and misalignment

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