

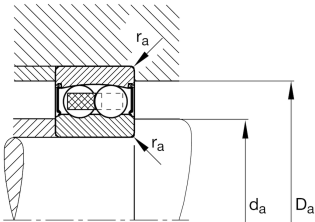
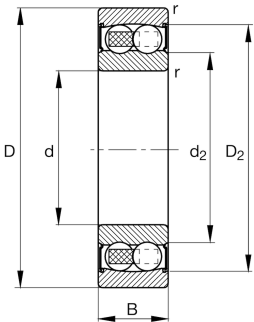
FAG

2212-2RS-TVH-C3

Self-aligning ball bearing

Self-aligning ball bearing 22..-2RS-TVH,
seals, plastic cage

Technical information



Your current product variant

Bore type	Z	Cylindrical
Type of Seal	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	C3 (Group 3)	Internal clearance larger than CN
Lubricant	GA13	Ball bearing and insert bearing grease

Main Dimensions & Performance Data

d	60 mm	Bore diameter
D	110 mm	Outside diameter
B	28 mm	Width
C _r	30.500 N	Basic dynamic load rating, radial
C _{0r}	11.500 N	Basic static load rating, radial
C _{ur}	730 N	Fatigue load limit, radial
n _G	3.750 1/min	Limiting speed
≈m	1,14 kg	Weight

Mounting dimensions

d _{a min}	69 mm	Minimum diameter shaft shoulder
D _{a max}	101 mm	Maximum diameter of housing shoulder
r _{a max}	1,5 mm	Maximum fillet radius



Dimensions

r_{min}	1,5 mm	Minimum chamfer dimension
D_1	95,209 mm	Shoulder diameter outer ring
D_2	99,49 mm	Caliber diameter outer ring
d_1	78 mm	Shoulder diameter inner ring
d_2	70,4 mm	Caliber diameter inner ring

Temperature range

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

Calculation factors

e	0,18	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	3,47	Dynamic axial load factor
Y_2	5,37	Dynamic axial load factor
Y_0	3,64	Static axial load factor

Characteristics

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Radial load
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Axial load in one direction
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Axial load in two directions
- 

Lifetime lubrication, freedom from maintenance
- 

Grease Lubrication
- 

Sealed on both sides
- 

Static angular error and misalignment
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Dynamic angular error and misalignment