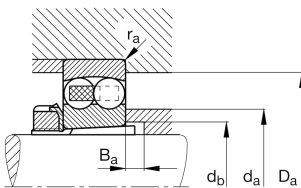
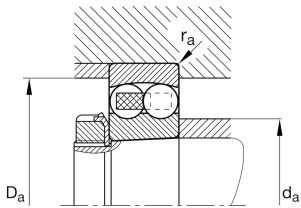
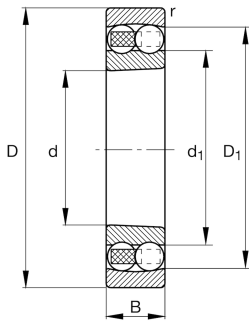


**FAG****2212-K-TVH-C3**

Self-aligning ball bearing

Self-aligning ball bearing 22..-K-TVH, tapered bore taper 1:12, plastic cage

Technical information



Your current product variant

Bore type	K	Tapered, taper 1:12
Type of Seal	Without	Not sealed
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	Without	Bearing not greased

Main Dimensions & Performance Data

d	60 mm	Bore diameter
D	110 mm	Outside diameter
B	28 mm	Width
C _r	48.000 N	Basic dynamic load rating, radial
C _{0r}	16.500 N	Basic static load rating, radial
C _{ur}	1.040 N	Fatigue load limit, radial
n _G	6.300 1/min	Limiting speed
n _{gr}	6.400 1/min	Reference speed
≈m	1,046 kg	Weight



Mounting dimensions

d _{a min}	69 mm	Minimum diameter shaft shoulder
d _{a max}	73 mm	Maximum diameter shaft shoulder
D _{a max}	101 mm	Maximum diameter of housing shoulder
d _{b min}	65 mm	Minimum cavity diameter of the sleeve
B _{a min}	9 mm	Minimum cavity width of the sleeve
r _{a max}	1,5 mm	Maximum fillet radius

Dimensions

r _{min}	1,5 mm	Minimum chamfer dimension
D ₁	98,17 mm	Shoulder diameter outer ring
d ₁	76,6 mm	Shoulder diameter inner ring

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	120 °C	Operating temperature max.

Calculation factors

e	0,23	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,68	Dynamic axial load factor
Y ₂	4,15	Dynamic axial load factor
Y ₀	2,81	Static axial load factor

Additional information

H312	Adapter sleeve
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Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Oil Lubrication



Not sealed



Static angular error and misalignment



Dynamic angular error and misalignment