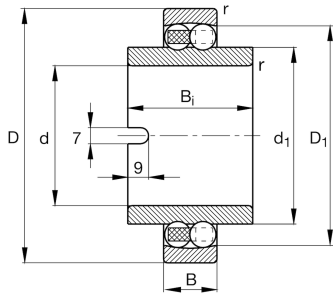
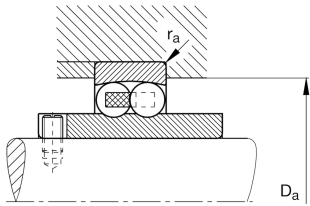
**FAG****11209-TVH**

Self-aligning ball bearing

Self-aligning ball bearing 112...-TVH, plastic cage

Technical information



Your current product variant

Cage	TVH	Solid cage made of glass-fiber reinforced polyamide PA66
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Main Dimensions & Performance Data

d	45 mm	Bore diameter
D	85 mm	Outside diameter
B	58 mm	Total width
B _C	19 mm	Width, outer ring
B _i	58 mm	Width, inner ring
C _r	22,000 N	Basic dynamic load rating, radial
C _{0r}	7,300 N	Basic static load rating, radial
C _{ur}	465 N	Fatigue load limit, radial
n _G	9,300 1/min	Limiting speed
n _{gr}	8,200 1/min	Reference speed
m	0.788 kg	Weight

Mounting dimensions

D _{a max}	78 mm	Maximum diameter of housing shoulder
r _{a max}	1 mm	Maximaler Hohlkehlradius



Dimensions

r_{\min}	1.1 mm	Minimum chamfer dimension
D_1	72.11 mm	Shoulder diameter outer ring
d_1	57.7 mm	Shoulder diameter inner ring
b	7 mm	Width retaining slot
t	9 mm	Hight retaining slot









Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	120 °C	Operating temperature max.

Calculation factors

e	0.21	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	3.03	Dynamic axial load factor
Y_2	4.68	Dynamic axial load factor
Y_0	3.17	Static axial load factor

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