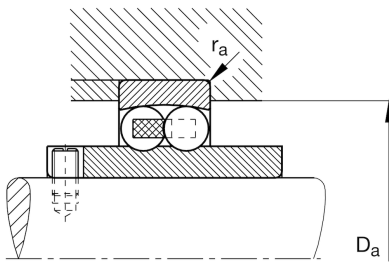
**FAG****11209-TVH**

Self-aligning ball bearing

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

## Technical information

**Main Dimensions & Performance Data**

d	45 mm	Bore diameter
D	85 mm	Outside diameter
B	19 mm	Width, outer ring
B <sub>i</sub>	58 mm	Width, inner ring
C <sub>r</sub>	22.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	7.300 N	Basic static load rating, radial
C <sub>ur</sub>	465 N	Fatigue load limit, radial
n <sub>G</sub>	9.300 1/min	Limiting speed
n <sub>gr</sub>	8.200 1/min	Reference speed
≈m	0,788 kg	Weight

**Mounting dimensions**

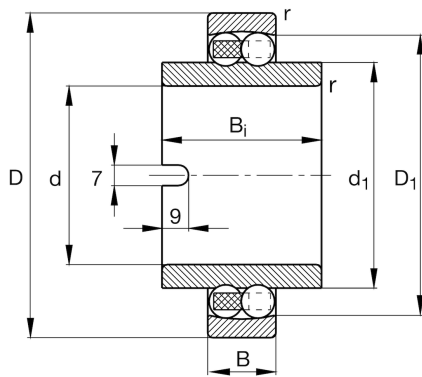
D <sub>a max</sub>	78 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	1 mm	Maximaler Hohlkehlradius

**Dimensions**

r <sub>min</sub>	1,1 mm	Minimum chamfer dimension
D <sub>1</sub>	72,11 mm	Shoulder diameter outer ring
d <sub>1</sub>	57,7 mm	Shoulder diameter inner ring
b	7 mm	Width retaining slot
t	9 mm	Hight retaining slot

**Temperature range**

T <sub>min</sub>	-30 °C	Operating temperature min.
T <sub>max</sub>	120 °C	Operating temperature max.





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22.04.2024, 16:05:11 CEST

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### Calculation factors

e	0,21	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y <sub>1</sub>	3,03	Dynamic axial load factor
Y <sub>2</sub>	4,68	Dynamic axial load factor
Y <sub>0</sub>	3,17	Static axial load factor