

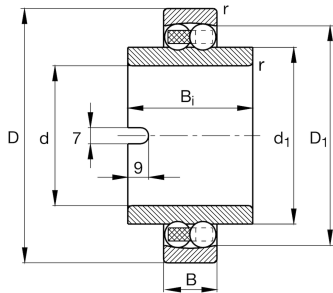
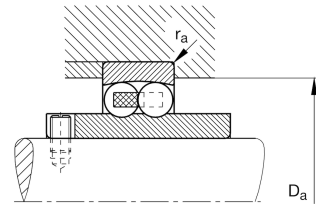
FAG

11208-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 polyamid PA66
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Main Dimensions & Performance Data

d	40 mm	Bore diameter
D	80 mm	Outside diameter
B	18 mm	Width, outer ring
B _i	56 mm	Width, inner ring
C _r	19,400 N	Basic dynamic load rating, radial
C _{0r}	6,500 N	Basic static load rating, radial
C _{ur}	415 N	Fatigue load limit, radial
n _G	10,100 1/min	Limiting speed
n _{gr}	8,600 1/min	Reference speed
≈m	0.736 kg	Weight

Mounting dimensions

D _{a max}	73 mm	Maximum diameter of housing shoulder
r _{a max}	1 mm	Maximaler Hohlkehlradius



Dimensions

r _{min}	1.1 mm	Minimum chamfer dimension
D ₁	67.3 mm	Shoulder diameter outer ring
d ₁	54 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	0.22	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2.91	Dynamic axial load factor
Y ₂	4.51	Dynamic axial load factor
Y ₀	3.05	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