

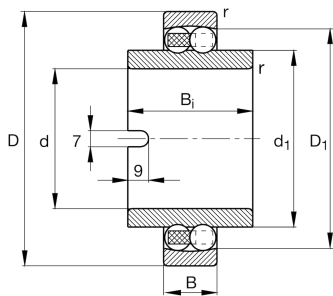
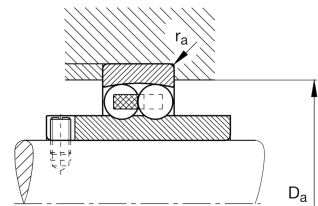
FAG

11205-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	25 mm	Bore diameter
D	52 mm	Outside diameter
B	44 mm	Total width
B _C	15 mm	Width, outer ring
B _i	44 mm	Width, inner ring
C _r	12.300 N	Basic dynamic load rating, radial
C _{0r}	3.300 N	Basic static load rating, radial
C _{ur}	209 N	Fatigue load limit, radial
n _G	15.500 1/min	Limiting speed
n _{gr}	13.400 1/min	Reference speed
≈m	0,221 kg	Weight

Mounting dimensions

D _{a max}	46,4 mm	Maximum diameter of housing shoulder
r _{a max}	1 mm	Maximaler Hohlkehlradius



Dimensions

r _{min}	1 mm	Minimum chamfer dimension
D ₁	43,6 mm	Shoulder diameter outer ring
d ₁	33,3 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	0,27	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,36	Dynamic axial load factor
Y ₂	3,65	Dynamic axial load factor
Y ₀	2,47	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