

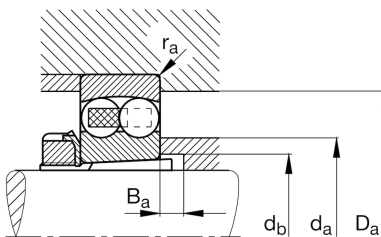
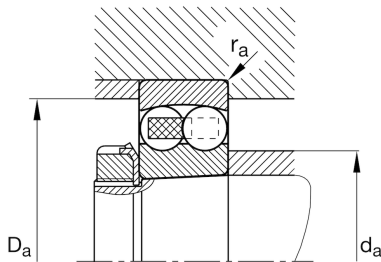
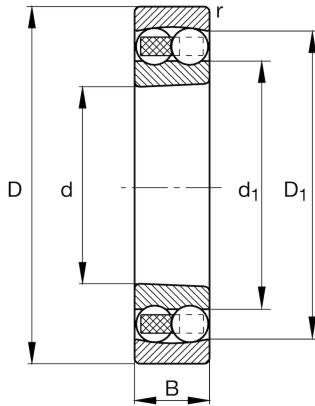
FAG

1305-K-TVH-C3

Self-aligning ball bearing

Schaeffler ID:
0389035040030Self-aligning ball bearing 13..-K-TVH,
tapered bore taper 1:12, plastic cage

Technical information

**Main Dimensions & Performance Data**

d	25 mm	Bore diameter
D	62 mm	Outside diameter
B	17 mm	Width
r _{min}	1,1 mm	Minimum chamfer dimension
C _r	18.300 N	Basic dynamic load rating, radial
C _{0r}	5.000 N	Basic static load rating, radial
C _{ur}	320 N	Fatigue load limit, radial
n _G	12.900 1/min	Limiting speed
n _{gr}	10.000 1/min	Reference speed
	252 g	Weight

Dimensions

D ₁	50,4 mm	Shoulder diameter outer ring
d ₁	38,1 mm	Shoulder diameter inner ring

Mounting dimensions

d _{a min}	32 mm	Minimum diameter shaft shoulder
d _{a max}	35 mm	Maximum diameter shaft shoulder
D _{a max}	55 mm	Maximum diameter of housing shoulder
d _{b min}	28 mm	Minimum cavity diameter of the sleeve
B _{a min}	6 mm	Minimum cavity width of the sleeve
r _{a max}	1 mm	Maximum fillet radius

Calculation factors

e	0,28	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,29	Dynamic axial load factor
Y ₂	3,54	Dynamic axial load factor
Y ₀	2,4	Static axial load factor

Additional information

H305	Adapter sleeve
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Temperature range

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