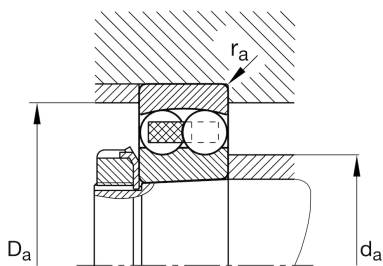
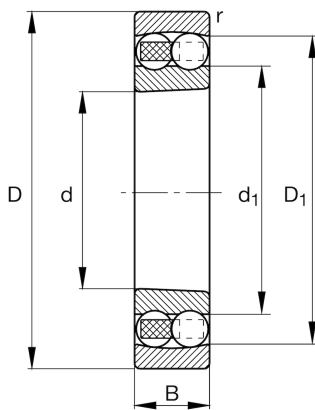


**FAG****1307-K-TVH-C3** [🔗](#)

Self-aligning ball bearing

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

Technical information



Main Dimensions & Performance Data

d	35 mm	Bore diameter
D	80 mm	Outside diameter
B	21 mm	Width
C _r	25.500 N	Basic dynamic load rating, radial
C _{0r}	7.900 N	Basic static load rating, radial
C _{ur}	500 N	Fatigue load limit, radial
n _G	9.700 1/min	Limiting speed
n _{gr}	7.800 1/min	Reference speed
≈m	0,494 kg	Weight

Mounting dimensions

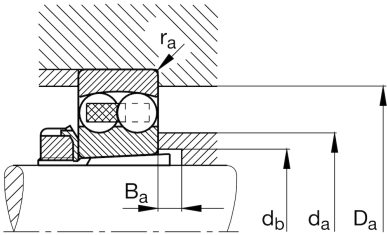
d _{a min}	44 mm	Minimum diameter shaft shoulder
d _{a max}	49 mm	Maximum diameter shaft shoulder
D _{a max}	71 mm	Maximum diameter of housing shoulder
d _{b min}	39 mm	Minimum cavity diameter of the sleeve
B _{a min}	7 mm	Minimum cavity width of the sleeve
r _{a max}	1,5 mm	Maximum fillet radius

Dimensions

r _{min}	1,5 mm	Minimum chamfer dimension
D ₁	70,05 mm	Shoulder diameter outer ring
d ₁	51,25 mm	Shoulder diameter inner ring

Temperature range

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



Calculation factors

e	0,26	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,46	Dynamic axial load factor
Y ₂	3,8	Dynamic axial load factor
Y ₀	2,57	Static axial load factor

Additional information

H307	Adapter sleeve
------	----------------