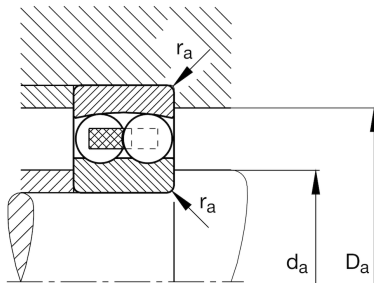
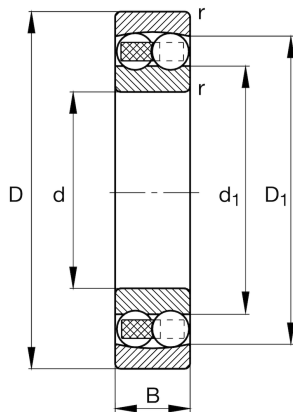
**FAG****2307-TVH-C3** [↗](#)

Self-aligning ball bearing

Self-aligning ball bearing 23...TVH, plastic cage

Technical information



Main Dimensions & Performance Data

d	35 mm	Bore diameter
D	80 mm	Outside diameter
B	31 mm	Width
C _r	40.500 N	Basic dynamic load rating, radial
C _{0r}	11.200 N	Basic static load rating, radial
C _{ur}	710 N	Fatigue load limit, radial
n _G	8.900 1/min	Limiting speed
n _{gr}	9.800 1/min	Reference speed
≈m	0,664 kg	Weight

Mounting dimensions

d _{a min}	44 mm	Minimum diameter shaft shoulder
D _{a max}	71 mm	Maximum diameter of housing shoulder
r _{a max}	1,5 mm	Maximum fillet radius

Dimensions

r _{min}	1,5 mm	Minimum chamfer dimension
D ₁	66,05 mm	Shoulder diameter outer ring
d ₁	46,85 mm	Shoulder diameter inner ring

Temperature range

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

Calculation factors

e	0,46	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	1,36	Dynamic axial load factor
Y ₂	2,1	Dynamic axial load factor
Y ₀	1,42	Static axial load factor