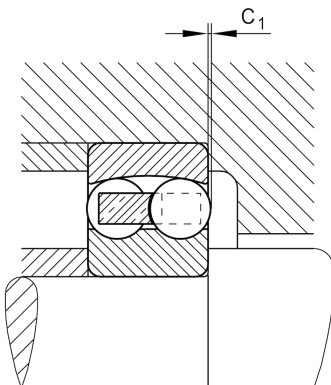
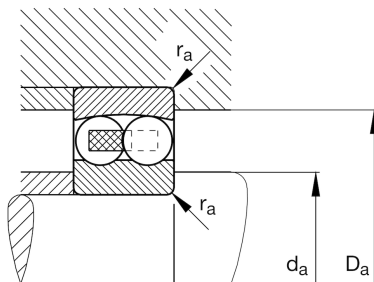
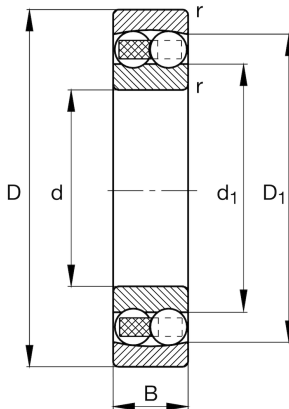


**FAG****2309-TVH**

Self-aligning ball bearing

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

Technical information



Main Dimensions & Performance Data

d	45 mm	Bore diameter
D	100 mm	Outside diameter
B	36 mm	Width
C _r	55.000 N	Basic dynamic load rating, radial
C _{0r}	16.600 N	Basic static load rating, radial
C _{ur}	1.060 N	Fatigue load limit, radial
n _G	7.000 1/min	Limiting speed
n _{gr}	8.000 1/min	Reference speed
≈m	1,209 kg	Weight

Mounting dimensions

d _{a min}	54 mm	Minimum diameter shaft shoulder
D _{a max}	91 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	83,64 mm	Shoulder diameter outer ring
d ₁	60,05 mm	Shoulder diameter inner ring
C ₁	0,1 mm	Overhang rolling element

Temperature range

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

Calculation factors

e	0,43	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	1,47	Dynamic axial load factor
Y ₂	2,28	Dynamic axial load factor
Y ₀	1,54	Static axial load factor