

FAG

★ 2311-K-TVH-C3

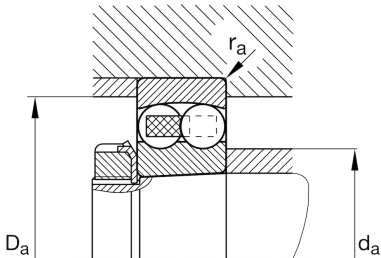
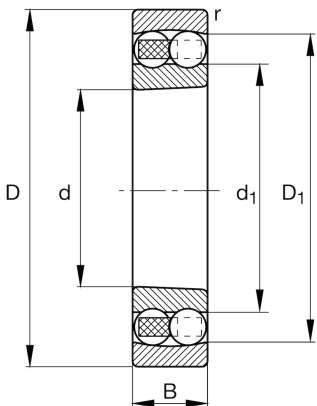
Self-aligning ball bearing

Schaeffler ID:
0389072830030

Self-aligning ball bearing 23...-K-TVH,
tapered bore taper 1:12, plastic cage

★ Preferred product

Technical information



Main Dimensions & Performance Data

d	55 mm	Bore diameter
D	120 mm	Outside diameter
B	43 mm	Width
r _{min}	2 mm	Minimum chamfer dimension
C _r	77.000 N	Basic dynamic load rating, radial
C _{0r}	24.000 N	Basic static load rating, radial
C _{ur}	1.520 N	Fatigue load limit, radial
n _G	5.700 1/min	Limiting speed
n _{gr}	7.100 1/min	Reference speed
	2,05 kg	Weight

Dimensions

D ₁	100,2 mm	Shoulder diameter outer ring
d ₁	71,7 mm	Shoulder diameter inner ring

Mounting dimensions

d _{a min}	66 mm	Minimum diameter shaft shoulder
d _{a max}	69 mm	Maximum diameter shaft shoulder
D _{a max}	109 mm	Maximum diameter of housing shoulder
d _{b min}	61 mm	Minimum cavity diameter of the sleeve
B _{a min}	6 mm	Minimum cavity width of the sleeve
r _{a max}	2 mm	Maximum fillet radius

Temperature range

e	0,42	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
T _{min}	-30 °C	Operating temperature min.
Y ₁	1,5	Dynamic axial load factor
T _{max}	120 °C	Operating temperature max.
Y ₂	2,33	Dynamic axial load factor
Y ₀	1,58	Static axial load factor

Additional information

H2311	Adapter sleeve
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