

FAG

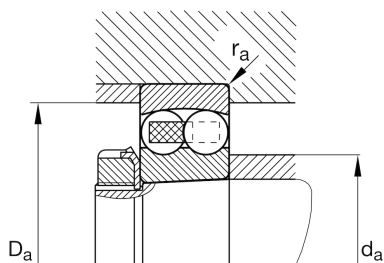
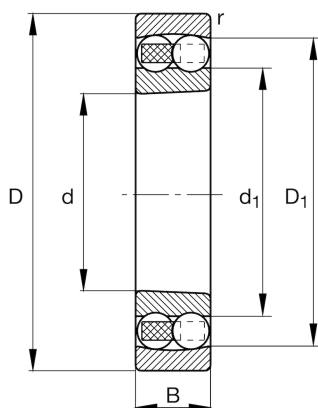
★ 2311-K-TVH-C3

Self-aligning ball bearing

Schaeffler ID:
0389072830030Self-aligning ball bearing 23...-K-TVH,
tapered bore taper 1:12, plastic cage

★ Preferred product

Technical information



Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	120 °C	Operating temperature max.
	2,05 kg	Weight

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

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

Calculation factors

e	0,42	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
	H2311	Adapter sleeve
Y ₁	1,5	Dynamic axial load factor
Y ₂	2,33	Dynamic axial load factor
Y ₀	1,58	Static axial load factor