

FAG

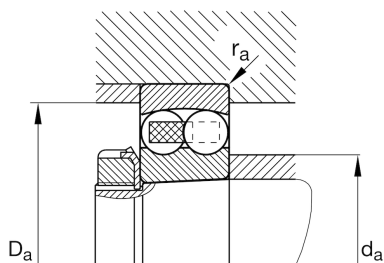
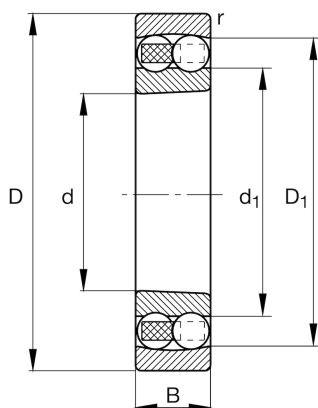
★ 2306-K-TVH-C3

Self-aligning ball bearing

Schaeffler ID:
0389060660030Self-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.
	0,49 kg	Weight

Main Dimensions & Performance Data

d	30 mm	Bore diameter
D	72 mm	Outside diameter
B	27 mm	Width
r_{min}	1,1 mm	Minimum chamfer dimension
C_r	32.500 N	Basic dynamic load rating, radial
C_{0r}	8.800 N	Basic static load rating, radial
C_{ur}	560 N	Fatigue load limit, radial
n_G	10.200 1/min	Limiting speed
n_{gr}	10.400 1/min	Reference speed

Dimensions

D_1	58,8 mm	Shoulder diameter outer ring
d_1	41,5 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a min}$	37 mm	Minimum diameter shaft shoulder
$d_{a max}$	40 mm	Maximum diameter shaft shoulder
$D_{a max}$	65 mm	Maximum diameter of housing shoulder
$d_{b min}$	35 mm	Minimum cavity diameter of the sleeve
$B_{a min}$	5 mm	Minimum cavity width of the sleeve
$r_{a max}$	1 mm	Maximum fillet radius

Calculation factors

e	0,45	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
	H2306	Adapter sleeve
Y ₁	1,4	Dynamic axial load factor
Y ₂	2,17	Dynamic axial load factor
Y ₀	1,47	Static axial load factor