



FAG

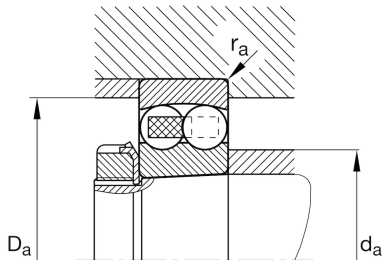
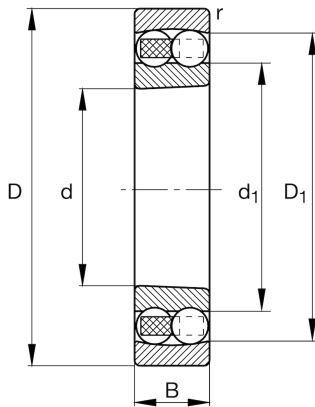
★ 2308-K-TVH-C3

Self-aligning ball bearing

Schaeffler ID:
0389061040030Self-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.
	0,903 kg	Weight

Main Dimensions & Performance Data

d	40 mm	Bore diameter
D	90 mm	Outside diameter
B	33 mm	Width
r_{min}	1,5 mm	Minimum chamfer dimension
C_r	46.000 N	Basic dynamic load rating, radial
C_{0r}	13.500 N	Basic static load rating, radial
C_{ur}	860 N	Fatigue load limit, radial
n_G	7.900 1/min	Limiting speed
n_{gr}	8.700 1/min	Reference speed

Dimensions

D_1	74,5 mm	Shoulder diameter outer ring
d_1	53,7 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a min}$	49 mm	Minimum diameter shaft shoulder
$d_{a max}$	51 mm	Maximum diameter shaft shoulder
$D_{a max}$	81 mm	Maximum diameter of housing shoulder
$d_{b min}$	45 mm	Minimum cavity diameter of the sleeve
$B_{a min}$	5 mm	Minimum cavity width of the sleeve
$r_{a max}$	1,5 mm	Maximum fillet radius

Calculation factors

e	0,43	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
	H2308	Adapter sleeve
Y ₁	1,46	Dynamic axial load factor
Y ₂	2,25	Dynamic axial load factor
Y ₀	1,52	Static axial load factor