



FAG

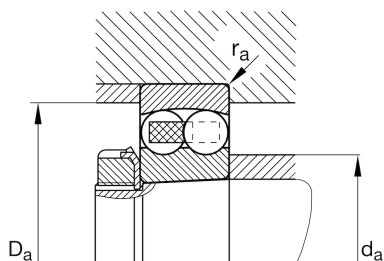
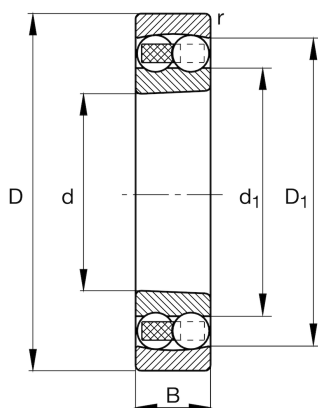
★ 2209-K-TVH-C3

Self-aligning ball bearing

Schaeffler ID:
0389042840030Self-aligning ball bearing 22..-K-TVH,
tapered bore taper 1:12, plastic cage

★ Preferred product

Technical information



Main Dimensions & Performance Data

d	45 mm	Bore diameter
D	85 mm	Outside diameter
B	23 mm	Width
r_{\min}	1,1 mm	Minimum chamfer dimension
C_r	28.500 N	Basic dynamic load rating, radial
C_{0r}	9.000 N	Basic static load rating, radial
C_{ur}	570 N	Fatigue load limit, radial
n_G	8.600 1/min	Limiting speed
n_{gr}	7.800 1/min	Reference speed
	0,533 kg	Weight

Dimensions

D_1	75,4 mm	Shoulder diameter outer ring
	H309	Adapter sleeve
d_1	59 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a\min}$	52 mm	Minimum diameter shaft shoulder
$d_{a\max}$	56 mm	Maximum diameter shaft shoulder
$D_{a\max}$	78 mm	Maximum diameter of housing shoulder
$d_{b\min}$	50 mm	Minimum cavity diameter of the sleeve
$B_{a\min}$	8 mm	Minimum cavity width of the sleeve
$r_{a\max}$	1 mm	Maximum fillet radius

Calculation factors

e	0,26	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,43	Dynamic axial load factor
Y_2	3,76	Dynamic axial load factor
Y_0	2,55	Static axial load factor

Temperature range

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