



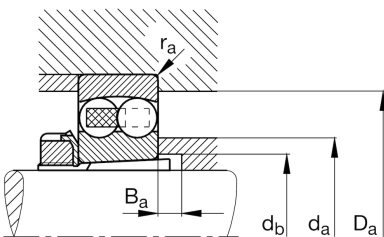
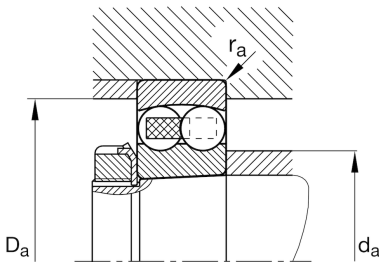
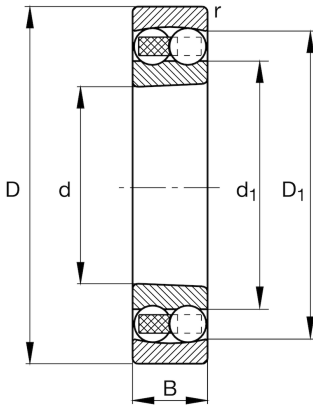
FAG

2207-K-TVH-C3

Self-aligning ball bearing

Schaeffler ID:
0389042410030Self-aligning ball bearing 22..-K-TVH,
tapered bore taper 1:12, plastic cage

Technical information

**Dimensions**

D_1	62,4 mm	Shoulder diameter outer ring
d_1	45,7 mm	Shoulder diameter inner ring
	396 g	Weight

Main Dimensions & Performance Data

d	35 mm	Bore diameter
D	72 mm	Outside diameter
B	23 mm	Width
r_{\min}	1,1 mm	Minimum chamfer dimension
C_r	33.000 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	9.800 1/min	Limiting speed
n_{gr}	10.300 1/min	Reference speed

Mounting dimensions

$d_{a\min}$	42 mm	Minimum diameter shaft shoulder
$d_{a\max}$	44 mm	Maximum diameter shaft shoulder
$D_{a\max}$	65 mm	Maximum diameter of housing shoulder
$d_{b\min}$	39 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	0,3	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,12	Dynamic axial load factor
Y_2	3,28	Dynamic axial load factor
Y_0	2,22	Static axial load factor

Additional information

H307	Adapter sleeve
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Temperature range

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