

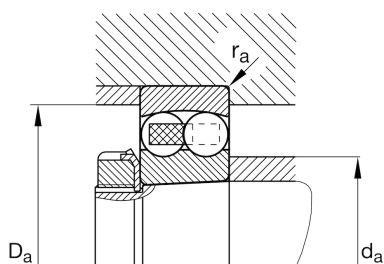
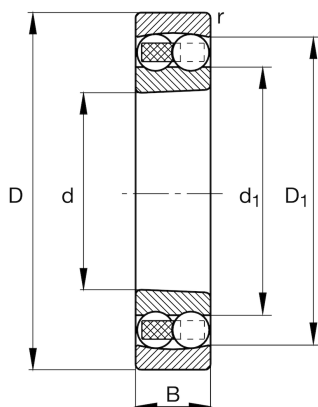
FAG

1305-K-TVH-C3

Self-aligning ball bearing

Schaeffler ID:
0389035040030Self-aligning ball bearing 13..-K-TVH,
tapered bore taper 1:12, plastic cage

Technical information



Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	120 °C	Operating temperature max.
	0,003 kg	Weight

Main Dimensions & Performance Data

d	25 mm	Bore diameter
D	62 mm	Outside diameter
B	17 mm	Width
r_{\min}	1,1 mm	Minimum chamfer dimension
C_r	18.300 N	Basic dynamic load rating, radial
C_{0r}	5.000 N	Basic static load rating, radial
C_{ur}	320 N	Fatigue load limit, radial
n_G	12.900 1/min	Limiting speed
n_{gr}	10.000 1/min	Reference speed

Dimensions

D_1	50,4 mm	Shoulder diameter outer ring
d_1	38,1 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a \min}$	32 mm	Minimum diameter shaft shoulder
$d_{a \max}$	35 mm	Maximum diameter shaft shoulder
$D_{a \max}$	55 mm	Maximum diameter of housing shoulder
$d_{b \min}$	28 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	6 mm	Minimum cavity width of the sleeve
$r_{a \max}$	1 mm	Maximum fillet radius

Calculation factors

e	0,28	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
	H305	Adapter sleeve
Y ₁	2,29	Dynamic axial load factor
Y ₂	3,54	Dynamic axial load factor
Y ₀	2,4	Static axial load factor