

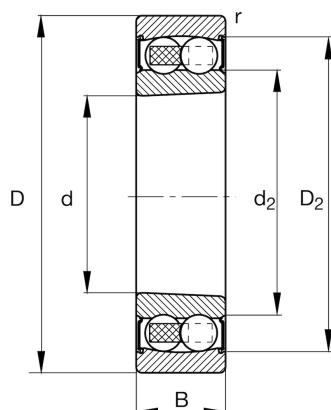
FAG

2205-K-2RS-TVH-C3

Self-aligning ball bearing

Schaeffler ID:
0389039620030Self-aligning ball bearing 22..-K-2RS-TVH,
tapered bore taper 1:12, seals, plastic
cage

Technical information



Main Dimensions & Performance Data

d	25 mm	Bore diameter
D	52 mm	Outside diameter
B	18 mm	Width
r_{\min}	1 mm	Minimum chamfer dimension
C_r	12,300 N	Basic dynamic load rating, radial
C_{0r}	3,300 N	Basic static load rating, radial
C_{ur}	209 N	Fatigue load limit, radial
n_G	8,100 1/min	Limiting speed
	0.16 kg	Weight

Dimensions

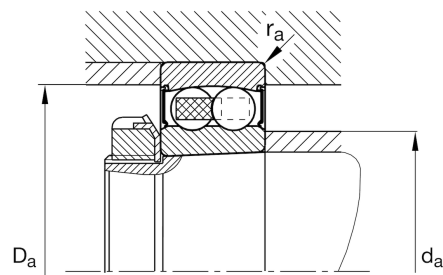
D_2	45.3 mm	Caliber diameter outer ring
d_2	30.7 mm	Caliber diameter inner ring

Mounting dimensions

$d_{a\min}$	30.6 mm	Minimum diameter shaft shoulder
$d_{a\max}$	32 mm	Maximum diameter shaft shoulder
$D_{a\max}$	46.4 mm	Maximum diameter of housing shoulder
$d_{b\min}$	28 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	0.27	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
	H305	Adapter sleeve
Y_1	2.36	Dynamic axial load factor
Y_2	3.65	Dynamic axial load factor
Y_0	2.47	Static axial load factor



Temperature range

T _{min}	-20 °C	Operating temperature min.
T _{max}	100 °C	Operating temperature max.