
FAG
★ 2205-K-2RS-TVH-C3

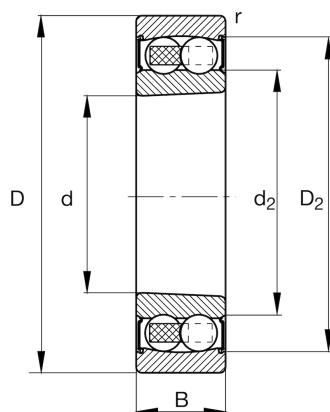
Self-aligning ball bearing

 Schaeffler ID:
0389039620030

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

★ Preferred product

Technical information


Temperature range

T_{\min}	-20 °C	Operating temperature min.
T_{\max}	100 °C	Operating temperature max.
	0,16 kg	Weight

Main Dimensions & Performance Data

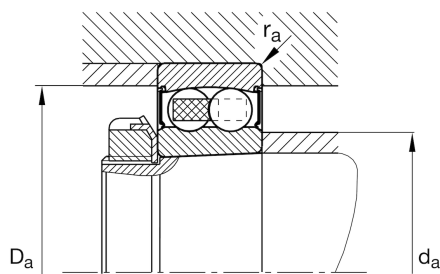
d	25 mm	Bore diameter
D	52 mm	Outside diameter
B	18 mm	Width
r_{\min}	1 mm	Minimum chamfer dimension
C_r	12.300 N	Basic dynamic load rating, radial
C_{0r}	3.300 N	Basic static load rating, radial
C_{ur}	209 N	Fatigue load limit, radial
n_G	8.100 1/min	Limiting speed

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 Fa/Fr 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