



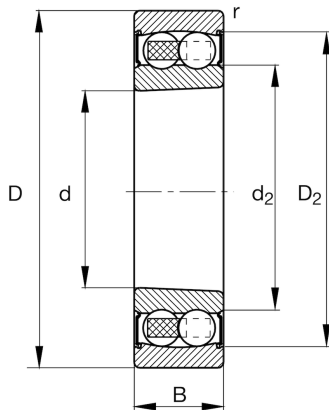
FAG

**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 &amp; 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

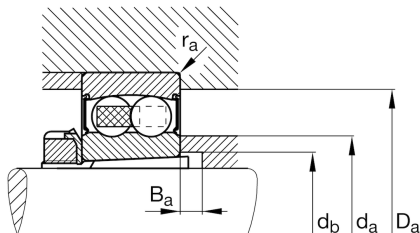
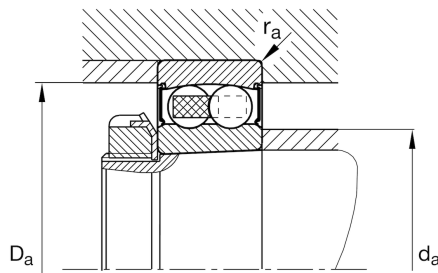
$d_{a\min}$	30,6 mm	Minimum diameter shaft shoulder
$d_{a\max}$	32 mm	Maximum diameter shaft shoulder
$D_{a\max}$	46,4 mm	Maximum diameter of housing shoulder
$d_{b\min}$	28 mm	Minimum cavity diameter of the sleeve
$B_{a\min}$	5 mm	Minimum cavity width of the sleeve
$r_{a\max}$	1 mm	Maximum fillet radius

## Calculation factors

e	0,27	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	2,36	Dynamic axial load factor
$Y_2$	3,65	Dynamic axial load factor
$Y_0$	2,47	Static axial load factor

## Additional information

H305	Adapter sleeve
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**Temperature range**

$T_{\min}$	-20 °C	Operating temperature min.
$T_{\max}$	100 °C	Operating temperature max.