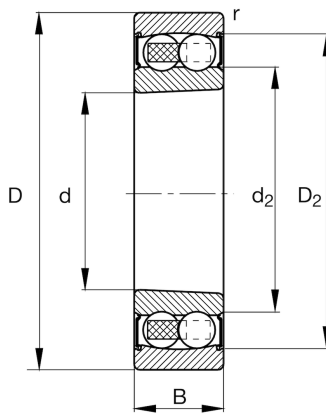
**FAG****2309-K-2RS-TVH-C3**

Self-aligning ball bearing

Self-aligning ball bearing 23...-K-2RS-TVH, tapered bore taper 1:12, seals, plastic cage

Technical information

**Main Dimensions & Performance Data**

d	45 mm	Bore diameter
D	100 mm	Outside diameter
B	36 mm	Width
C_r	38.500 N	Basic dynamic load rating, radial
C_{0r}	12.700 N	Basic static load rating, radial
C_{ur}	810 N	Fatigue load limit, radial
n_G	4.550 1/min	Limiting speed
$\approx m$	1,2 kg	Weight

Mounting dimensions

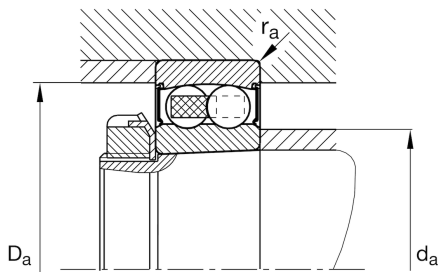
$d_{a \min}$	54 mm	Minimum diameter shaft shoulder
$d_{a \max}$	61 mm	Maximum diameter shaft shoulder
$D_{a \max}$	91 mm	Maximum diameter of housing shoulder
$d_{b \min}$	50 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	5 mm	Minimum cavity width of the sleeve
$r_{a \max}$	1,5 mm	Maximum fillet radius

Dimensions

r_{\min}	1,5 mm	Minimum chamfer dimension
D_1	83,684 mm	Shoulder diameter outer ring
D_2	85,81 mm	Caliber diameter outer ring
d_1	63,9 mm	Shoulder diameter inner ring
d_2	57,45 mm	Caliber diameter inner ring

Temperature range

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





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Calculation factors

e	0,25	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,51	Dynamic axial load factor
Y_2	3,88	Dynamic axial load factor
Y_0	2,63	Static axial load factor

Additional information

H2309	Adapter sleeve
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