

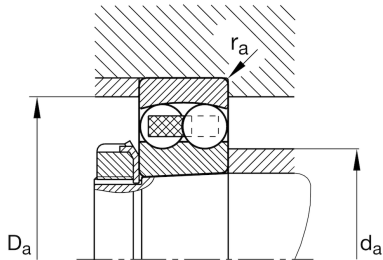
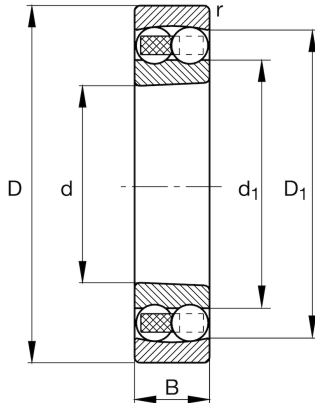
FAG

1310-K-TVH-C3

Self-aligning ball bearing

Schaeffler ID:
0389035800030Self-aligning ball bearing 13..-K-TVH,
tapered bore taper 1:12, plastic cage

Technical information

**Main Dimensions & Performance Data**

d	50 mm	Bore diameter
D	110 mm	Outside diameter
B	27 mm	Width
r_{\min}	2 mm	Minimum chamfer dimension
C_r	42,000 N	Basic dynamic load rating, radial
C_{0r}	14,200 N	Basic static load rating, radial
C_{ur}	900 N	Fatigue load limit, radial
n_G	6,900 1/min	Limiting speed
n_{gr}	6,300 1/min	Reference speed
	1.208 kg	Weight

Dimensions

D_1	91.7 mm	Shoulder diameter outer ring
d_1	71.2 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a\min}$	61 mm	Minimum diameter shaft shoulder
$d_{a\max}$	68 mm	Maximum diameter shaft shoulder
$D_{a\max}$	99 mm	Maximum diameter of housing shoulder
$d_{b\min}$	55 mm	Minimum cavity diameter of the sleeve
$B_{a\min}$	5 mm	Minimum cavity width of the sleeve
$r_{a\max}$	2 mm	Maximum fillet radius

Calculation factors

e	0.24	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
	H310	Adapter sleeve
Y_1	2.59	Dynamic axial load factor
Y_2	4.01	Dynamic axial load factor
Y_0	2.72	Static axial load factor

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	120 °C	Operating temperature max.