

FAG

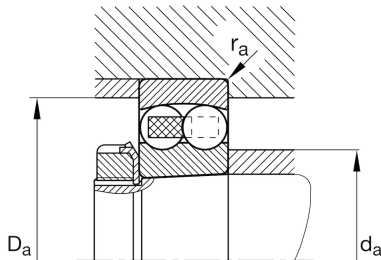
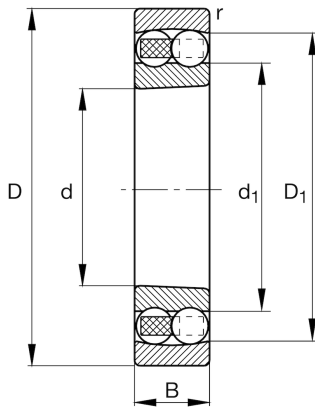
★ 1310-K-TVH-C3

Self-aligning ball bearing

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

★ Preferred product

Technical information



Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	120 °C	Operating temperature max.
	1,208 kg	Weight

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

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 Fa/Fr 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