



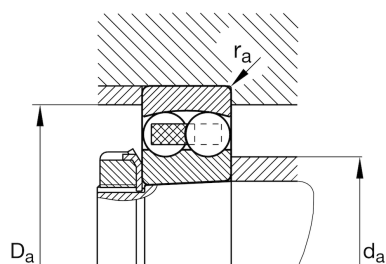
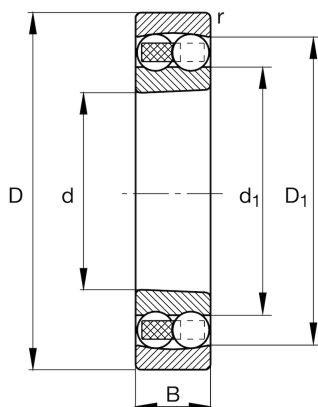
FAG

1311-K-TVH-C3

Self-aligning ball bearing

Schaeffler ID:
0389036100030Self-aligning ball bearing 13..-K-TVH,
tapered bore taper 1:12, plastic cage

Technical information

**Main Dimensions & Performance Data**

d	55 mm	Bore diameter
D	120 mm	Outside diameter
B	29 mm	Width
r_{\min}	2 mm	Minimum chamfer dimension
C_r	52,000 N	Basic dynamic load rating, radial
C_{0r}	17,900 N	Basic static load rating, radial
C_{ur}	1,130 N	Fatigue load limit, radial
n_G	6,100 1/min	Limiting speed
n_{gr}	5,800 1/min	Reference speed
	1.56 kg	Weight

Dimensions

D_1	101 mm	Shoulder diameter outer ring
d_1	78 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a\min}$	66 mm	Minimum diameter shaft shoulder
$d_{a\max}$	74 mm	Maximum diameter shaft shoulder
$D_{a\max}$	109 mm	Maximum diameter of housing shoulder
$d_{b\min}$	60 mm	Minimum cavity diameter of the sleeve
$B_{a\min}$	6 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
	H311	Adapter sleeve
Y_1	2.65	Dynamic axial load factor
Y_2	4.1	Dynamic axial load factor
Y_0	2.78	Static axial load factor

Temperature range

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