

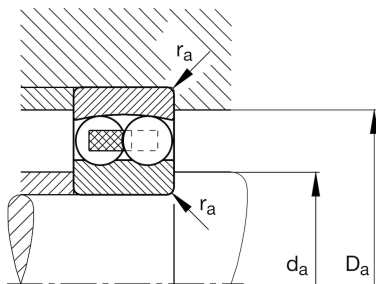
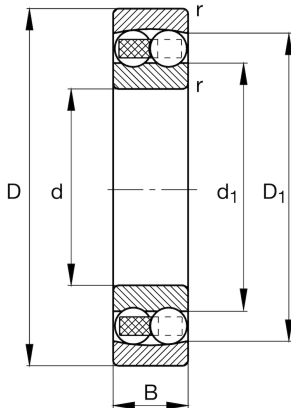
FAG

1311-TVH

Self-aligning ball bearing

Schaeffler ID:
0167008050000Self-aligning ball bearing 13..-TVH, plastic
cage

Technical information

**Main Dimensions & Performance Data**

d	[55] mm	Bore diameter
D	[120] mm	Outside diameter
B	[29] mm	Width
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
	[1,557] kg	Weight

Mounting dimensions

$d_{a \min}$	[66] mm	Minimum diameter shaft shoulder
$D_{a \max}$	[109] mm	Maximum diameter of housing shoulder
$r_{a \max}$	[2] mm	Maximum fillet radius

Dimensions

r_{\min}	[2] mm	Minimum chamfer dimension
D_1	[101] mm	Shoulder diameter outer ring
d_1	[78] mm	Shoulder diameter inner ring

Temperature range

T_{\min}	[-30] °C	Operating temperature min.
T_{\max}	[120] °C	Operating temperature max.

Calculation factors

e	[0,24]	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	[2,65]	Dynamic axial load factor
Y_2	[4,1]	Dynamic axial load factor
Y_0	[2,78]	Static axial load factor