



FAG

★ 1311-TVH

Self-aligning ball bearing

Schaeffler ID:
0167008050000

Self-aligning ball bearing 13..-TVH, plastic cage

★ Preferred product

Technical information



Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	120 °C	Operating temperature max.
	1,557 kg	Weight

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

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
$D_{a max}$	109 mm	Maximum diameter of housing shoulder
$r_{a max}$	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
Y_1	2,65	Dynamic axial load factor
Y_2	4,1	Dynamic axial load factor
Y_0	2,78	Static axial load factor