

FAG

★ 1211-TVH

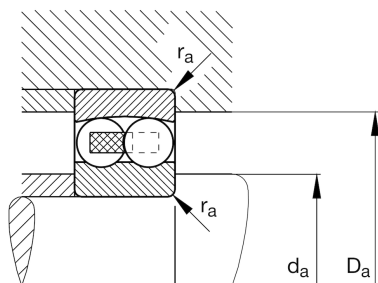
Self-aligning ball bearing

Schaeffler ID:
0167004060000

Self-aligning ball bearing 12..-TVH, plastic cage

★ Preferred product

Technical information



Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	120 °C	Operating temperature max.
	0,733 kg	Weight

Main Dimensions & Performance Data

d	55 mm	Bore diameter
D	100 mm	Outside diameter
B	21 mm	Width
r_{\min}	1,5 mm	Minimum chamfer dimension
C_r	27.000 N	Basic dynamic load rating, radial
C_{0r}	10.000 N	Basic static load rating, radial
C_{ur}	630 N	Fatigue load limit, radial
n_G	7.700 1/min	Limiting speed
n_{gr}	6.900 1/min	Reference speed

Dimensions

D_1	86,4 mm	Shoulder diameter outer ring
d_1	69,5 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a \min}$	64 mm	Minimum diameter shaft shoulder
$D_{a \max}$	91 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1,5 mm	Maximum fillet radius

Calculation factors

e	0,19	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	3,32	Dynamic axial load factor
Y_2	5,15	Dynamic axial load factor
Y_0	3,48	Static axial load factor