



FAG

1201-TVH

Self-aligning ball bearing

Schaeffler ID:
0167002360000Self-aligning ball bearing 12..-TVH, plastic
cage

Technical information

**Main Dimensions & Performance Data**

d	12 mm	Bore diameter
D	32 mm	Outside diameter
B	10 mm	Width
r_{\min}	0.6 mm	Minimum chamfer dimension
C_r	5,700 N	Basic dynamic load rating, radial
C_{0r}	1,270 N	Basic static load rating, radial
C_{ur}	80 N	Fatigue load limit, radial
n_G	28,000 1/min	Limiting speed
n_{gr}	21,300 1/min	Reference speed
	0.04 kg	Weight

Dimensions

D_1	25.1 mm	Shoulder diameter outer ring
d_1	18.2 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a\min}$	16.2 mm	Minimum diameter shaft shoulder
$D_{a\max}$	27.8 mm	Maximum diameter of housing shoulder
$r_{a\max}$	0.6 mm	Maximum fillet radius

Calculation factors

e	0.37	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1.68	Dynamic axial load factor
Y_2	2.61	Dynamic axial load factor
Y_0	1.76	Static axial load factor

Temperature range

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