



FAG

1202-TVH

Self-aligning ball bearing

Schaeffler ID:
0167002440000Self-aligning ball bearing 12..-TVH, plastic
cage

Technical information

**Main Dimensions & Performance Data**

d	15 mm	Bore diameter
D	35 mm	Outside diameter
B	11 mm	Width
r_{\min}	0.6 mm	Minimum chamfer dimension
C_r	7,700 N	Basic dynamic load rating, radial
C_{0r}	1,750 N	Basic static load rating, radial
C_{ur}	111 N	Fatigue load limit, radial
n_G	23,800 1/min	Limiting speed
n_{gr}	19,100 1/min	Reference speed
	0.047 kg	Weight

Dimensions

D_1	28.8 mm	Shoulder diameter outer ring
d_1	20.2 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a\min}$	19.2 mm	Minimum diameter shaft shoulder
$D_{a\max}$	30.8 mm	Maximum diameter of housing shoulder
$r_{a\max}$	0.6 mm	Maximum fillet radius

Calculation factors

e	0.34	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1.86	Dynamic axial load factor
Y_2	2.88	Dynamic axial load factor
Y_0	1.95	Static axial load factor

Temperature range

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