



FAG

**1200-TVH**

Self-aligning ball bearing

Schaeffler ID:  
0167002280000Self-aligning ball bearing 12..-TVH, plastic  
cage

## Technical information

**Main Dimensions & Performance Data**

d	10 mm	Bore diameter
D	30 mm	Outside diameter
B	9 mm	Width
$r_{\min}$	0.6 mm	Minimum chamfer dimension
$C_r$	5,700 N	Basic dynamic load rating, radial
$C_{0r}$	1,190 N	Basic static load rating, radial
$C_{ur}$	76 N	Fatigue load limit, radial
$n_G$	29,500 1/min	Limiting speed
$n_{gr}$	22,100 1/min	Reference speed
	0.033 kg	Weight

**Dimensions**

$D_1$	23.3 mm	Shoulder diameter outer ring
$d_1$	16.3 mm	Shoulder diameter inner ring

**Mounting dimensions**

$d_{a\min}$	14.2 mm	Minimum diameter shaft shoulder
$D_{a\max}$	25.8 mm	Maximum diameter of housing shoulder
$r_{a\max}$	0.6 mm	Maximum fillet radius

**Calculation factors**

e	0.32	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	1.96	Dynamic axial load factor
$Y_2$	3.03	Dynamic axial load factor
$Y_0$	2.05	Static axial load factor

**Temperature range**

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