



FAG

**2203-TVH**

Self-aligning ball bearing

Schaeffler ID:  
0167026700000Self-aligning ball bearing 22..-TVH, plastic  
cage

## Technical information

**Main Dimensions & Performance Data**

d	17 mm	Bore diameter
D	40 mm	Outside diameter
B	16 mm	Width
$r_{\min}$	0.6 mm	Minimum chamfer dimension
$C_r$	11,800 N	Basic dynamic load rating, radial
$C_{0r}$	2,750 N	Basic static load rating, radial
$C_{ur}$	176 N	Fatigue load limit, radial
$n_G$	19,100 1/min	Limiting speed
$n_{gr}$	17,400 1/min	Reference speed
	0.087 kg	Weight

**Dimensions**

$D_1$	33.9 mm	Shoulder diameter outer ring
$d_1$	23.9 mm	Shoulder diameter inner ring

**Mounting dimensions**

$d_{a\min}$	21.2 mm	Minimum diameter shaft shoulder
$D_{a\max}$	35.8 mm	Maximum diameter of housing shoulder
$r_{a\max}$	0.6 mm	Maximum fillet radius

**Calculation factors**

e	0.46	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	1.37	Dynamic axial load factor
$Y_2$	2.11	Dynamic axial load factor
$Y_0$	1.43	Static axial load factor

**Temperature range**

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