



FAG

2210-TVH

Self-aligning ball bearing

Schaeffler ID:
0167029720000Self-aligning ball bearing 22..-TVH, plastic
cage

Technical information

**Main Dimensions & Performance Data**

d	50 mm	Bore diameter
D	90 mm	Outside diameter
B	23 mm	Width
r_{\min}	1.1 mm	Minimum chamfer dimension
C_r	28,500 N	Basic dynamic load rating, radial
C_{0r}	9,500 N	Basic static load rating, radial
C_{ur}	600 N	Fatigue load limit, radial
n_G	8,100 1/min	Limiting speed
n_{gr}	7,100 1/min	Reference speed
	0.59 kg	Weight

Dimensions

D_1	80.5 mm	Shoulder diameter outer ring
d_1	64 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a\min}$	57 mm	Minimum diameter shaft shoulder
$D_{a\max}$	83 mm	Maximum diameter of housing shoulder
$r_{a\max}$	1 mm	Maximum fillet radius

Calculation factors

e	0.24	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2.62	Dynamic axial load factor
Y_2	4.06	Dynamic axial load factor
Y_0	2.75	Static axial load factor

Temperature range

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