



FAG

2207-TVH

Self-aligning ball bearing

Schaeffler ID:
0167028320000Self-aligning ball bearing 22..-TVH, plastic
cage

Technical information

**Main Dimensions & Performance Data**

d	35 mm	Bore diameter
D	72 mm	Outside diameter
B	23 mm	Width
r_{\min}	1.1 mm	Minimum chamfer dimension
C_r	33,000 N	Basic dynamic load rating, radial
C_{0r}	9,000 N	Basic static load rating, radial
C_{ur}	570 N	Fatigue load limit, radial
n_G	9,800 1/min	Limiting speed
n_{gr}	10,300 1/min	Reference speed
	0.389 kg	Weight

Dimensions

D_1	62.4 mm	Shoulder diameter outer ring
d_1	45.7 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a\min}$	42 mm	Minimum diameter shaft shoulder
$D_{a\max}$	65 mm	Maximum diameter of housing shoulder
$r_{a\max}$	1 mm	Maximum fillet radius

Calculation factors

e	0.3	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2.12	Dynamic axial load factor
Y_2	3.28	Dynamic axial load factor
Y_0	2.22	Static axial load factor

Temperature range

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