

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 Fa/Fr 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.