

FAG**2201-TVH**

Self-aligning ball bearing

Schaeffler ID:
0167026200000Self-aligning ball bearing 22..-TVH, plastic
cage

Technical information

Main Dimensions & Performance Data

d	12 mm	Bore diameter
D	32 mm	Outside diameter
B	14 mm	Width
r _{min}	0,6 mm	Minimum chamfer dimension
C _r	9.400 N	Basic dynamic load rating, radial
C _{0r}	1.940 N	Basic static load rating, radial
C _{ur}	123 N	Fatigue load limit, radial
n _G	24.200 1/min	Limiting speed
n _{gr}	23.300 1/min	Reference speed
	0,05 kg	Weight

Dimensions

D ₁	25,9 mm	Shoulder diameter outer ring
d ₁	17,1 mm	Shoulder diameter inner ring

Mounting dimensions

d _{a min}	16,2 mm	Minimum diameter shaft shoulder
D _{a max}	27,8 mm	Maximum diameter of housing shoulder
r _{a max}	0,6 mm	Maximum fillet radius

Calculation factors

e	0,53	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	1,2	Dynamic axial load factor
Y ₂	1,86	Dynamic axial load factor
Y ₀	1,26	Static axial load factor

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	120 °C	Operating temperature max.