

FAG**1207-K-TVH-C3**

Self-aligning ball bearing

Schaeffler ID:
0389029400030Self-aligning ball bearing 12..-K-TVH,
tapered bore taper 1:12, plastic cage

Technical information

Main Dimensions & Performance Data

d	35 mm	Bore diameter
D	72 mm	Outside diameter
B	17 mm	Width
r _{min}	1,1 mm	Minimum chamfer dimension
C _r	16.000 N	Basic dynamic load rating, radial
C _{0r}	5.100 N	Basic static load rating, radial
C _{ur}	325 N	Fatigue load limit, radial
n _G	11.600 1/min	Limiting speed
n _{gr}	9.800 1/min	Reference speed
	0,315 kg	Weight

Dimensions

D ₁	59,1 mm	Shoulder diameter outer ring
	H207	Adapter sleeve
d ₁	47,7 mm	Shoulder diameter inner ring

Mounting dimensions

d _{a min}	42 mm	Minimum diameter shaft shoulder
d _{a max}	45 mm	Maximum diameter shaft shoulder
D _{a max}	65 mm	Maximum diameter of housing shoulder
d _{b min}	38 mm	Minimum cavity diameter of the sleeve
B _{a min}	5 mm	Minimum cavity width of the sleeve
r _{a max}	1 mm	Maximum fillet radius

Calculation factors

e	0,22	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,81	Dynamic axial load factor
Y ₂	4,35	Dynamic axial load factor
Y ₀	2,94	Static axial load factor

Temperature range

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