

FAG**1205-K-TVH-C3**

Self-aligning ball bearing

Schaeffler ID:
0389029070030Self-aligning ball bearing 12..-K-TVH,
tapered bore taper 1:12, plastic cage

Technical information

Main Dimensions & Performance Data

d	25 mm	Bore diameter
D	52 mm	Outside diameter
B	15 mm	Width
r _{min}	1 mm	Minimum chamfer dimension
C _r	12.300 N	Basic dynamic load rating, radial
C _{0r}	3.300 N	Basic static load rating, radial
C _{ur}	209 N	Fatigue load limit, radial
n _G	15.500 1/min	Limiting speed
n _{gr}	13.400 1/min	Reference speed
	0,131 kg	Weight

Dimensions

D ₁	43,6 mm	Shoulder diameter outer ring
	H205	Adapter sleeve
d ₁	33,3 mm	Shoulder diameter inner ring

Mounting dimensions

d _{a min}	30,6 mm	Minimum diameter shaft shoulder
d _{a max}	32 mm	Maximum diameter shaft shoulder
D _{a max}	46,4 mm	Maximum diameter of housing shoulder
d _{b min}	28 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	0,27	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,36	Dynamic axial load factor
Y ₂	3,65	Dynamic axial load factor
Y ₀	2,47	Static axial load factor

Temperature range

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