

FAG**2308-K-TVH-C3**

Self-aligning ball bearing

Schaeffler ID:
0389061040030Self-aligning ball bearing 23...-K-TVH,
tapered bore taper 1:12, plastic cage

Technical information

Main Dimensions & Performance Data

d	40 mm	Bore diameter
D	90 mm	Outside diameter
B	33 mm	Width
r _{min}	1,5 mm	Minimum chamfer dimension
C _r	46.000 N	Basic dynamic load rating, radial
C _{0r}	13.500 N	Basic static load rating, radial
C _{ur}	860 N	Fatigue load limit, radial
n _G	7.900 1/min	Limiting speed
n _{gr}	8.700 1/min	Reference speed
	0,903 kg	Weight

Dimensions

D ₁	74,5 mm	Shoulder diameter outer ring
	H2308	Adapter sleeve
d ₁	53,7 mm	Shoulder diameter inner ring

Mounting dimensions

d _{a min}	49 mm	Minimum diameter shaft shoulder
d _{a max}	51 mm	Maximum diameter shaft shoulder
D _{a max}	81 mm	Maximum diameter of housing shoulder
d _{b min}	45 mm	Minimum cavity diameter of the sleeve
B _{a min}	5 mm	Minimum cavity width of the sleeve
r _{a max}	1,5 mm	Maximum fillet radius

Calculation factors

e	0,43	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	1,46	Dynamic axial load factor
Y ₂	2,25	Dynamic axial load factor
Y ₀	1,52	Static axial load factor

Temperature range

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