



FAG

★ 11209-TVH

Self-aligning ball bearing

Schaeffler ID:
0167001710000Self-aligning ball bearing 112...-TVH, plastic
cage

★ Preferred product

Technical information

Main Dimensions & Performance Data

d	45 mm	Bore diameter
D	85 mm	Outside diameter
B	19 mm	Width, outer ring
B _i	58 mm	Width, inner ring
r _{min}	1,1 mm	Minimum chamfer dimension
C _r	22.000 N	Basic dynamic load rating, radial
C _{0r}	7.300 N	Basic static load rating, radial
C _{ur}	465 N	Fatigue load limit, radial
n _G	9.300 1/min	Limiting speed
n _{gr}	8.200 1/min	Reference speed
	0,788 kg	Weight

Dimensions

D ₁	72,1 mm	Shoulder diameter outer ring
d ₁	57,7 mm	Shoulder diameter inner ring
b	7 mm	Width retaining slot
t	9 mm	Height retaining slot

Mounting dimensions

D _{a max}	78 mm	Maximum diameter of housing shoulder
r _{a max}	1 mm	Maximaler Hohlkehlradius

Calculation factors

e	0,21	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	3,03	Dynamic axial load factor
Y ₂	4,68	Dynamic axial load factor
Y ₀	3,17	Static axial load factor

