

FAG

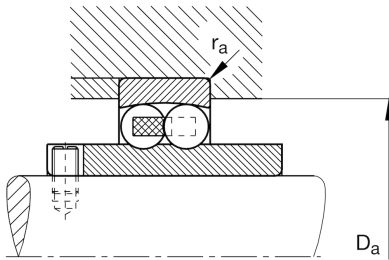
## ★ 11209-TVH

Self-aligning ball bearing

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

★ Preferred product

## Technical information



## Main Dimensions &amp; Performance Data

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

## Dimensions

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

## Mounting dimensions

D <sub>a max</sub>	78 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	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 <sub>1</sub>	3,03	Dynamic axial load factor
Y <sub>2</sub>	4,68	Dynamic axial load factor
Y <sub>0</sub>	3,17	Static axial load factor

