

**FAG****1212-K-TVH-C3**

Self-aligning ball bearing

Schaeffler ID:  
0389030080030Self-aligning ball bearing 12..-K-TVH,  
tapered bore taper 1:12, plastic cage

## Technical information

**Main Dimensions & Performance Data**

d	60 mm	Bore diameter
D	110 mm	Outside diameter
B	22 mm	Width
r <sub>min</sub>	1,5 mm	Minimum chamfer dimension
C <sub>r</sub>	30.500 N	Basic dynamic load rating, radial
C <sub>0r</sub>	11.500 N	Basic static load rating, radial
C <sub>ur</sub>	730 N	Fatigue load limit, radial
n <sub>G</sub>	6.900 1/min	Limiting speed
n <sub>gr</sub>	6.300 1/min	Reference speed
	0,892 kg	Weight

**Dimensions**

D <sub>1</sub>	95,2 mm	Shoulder diameter outer ring
	H212	Adapter sleeve
d <sub>1</sub>	78 mm	Shoulder diameter inner ring

**Mounting dimensions**

d <sub>a min</sub>	69 mm	Minimum diameter shaft shoulder
d <sub>a max</sub>	75 mm	Maximum diameter shaft shoulder
D <sub>a max</sub>	101 mm	Maximum diameter of housing shoulder
d <sub>b min</sub>	64 mm	Minimum cavity diameter of the sleeve
B <sub>a min</sub>	5 mm	Minimum cavity width of the sleeve
r <sub>a max</sub>	1,5 mm	Maximum fillet radius

**Calculation factors**

e	0,18	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y <sub>1</sub>	3,47	Dynamic axial load factor
Y <sub>2</sub>	5,37	Dynamic axial load factor
Y <sub>0</sub>	3,64	Static axial load factor

**Temperature range**

T <sub>min</sub>	-30 °C	Operating temperature min.
T <sub>max</sub>	120 °C	Operating temperature max.