

FAG

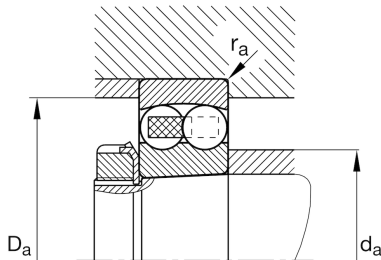
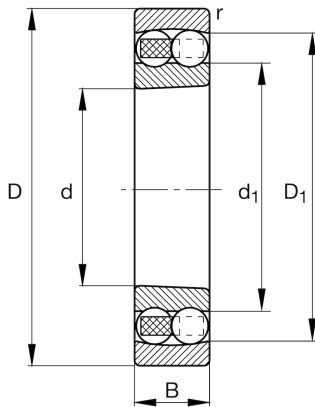
## ★ 2213-K-TVH-C3

Self-aligning ball bearing

Schaeffler ID:  
0389046670030Self-aligning ball bearing 22..-K-TVH,  
tapered bore taper 1:12, plastic cage

★ Preferred product

## Technical information



## Temperature range

$T_{min}$	-30 °C	Operating temperature min.
$T_{max}$	120 °C	Operating temperature max.
	1,305 kg	Weight

## Main Dimensions &amp; Performance Data

d	65 mm	Bore diameter
D	120 mm	Outside diameter
B	31 mm	Width
$r_{min}$	1,5 mm	Minimum chamfer dimension
$C_r$	58.000 N	Basic dynamic load rating, radial
$C_{0r}$	19.200 N	Basic static load rating, radial
$C_{ur}$	1.220 N	Fatigue load limit, radial
$n_G$	5.600 1/min	Limiting speed
$n_{gr}$	6.200 1/min	Reference speed

## Dimensions

$D_1$	106,9 mm	Shoulder diameter outer ring
$d_1$	82,4 mm	Shoulder diameter inner ring

## Mounting dimensions

$d_{a min}$	74 mm	Minimum diameter shaft shoulder
$d_{a max}$	79 mm	Maximum diameter shaft shoulder
$D_{a max}$	111 mm	Maximum diameter of housing shoulder
$d_{b min}$	70 mm	Minimum cavity diameter of the sleeve
$B_{a min}$	8 mm	Minimum cavity width of the sleeve
$r_{a max}$	1,5 mm	Maximum fillet radius

**Calculation factors**

e	0,23	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
	H313	Adapter sleeve
Y <sub>1</sub>	2,78	Dynamic axial load factor
Y <sub>2</sub>	4,3	Dynamic axial load factor
Y <sub>0</sub>	2,91	Static axial load factor