

FAG

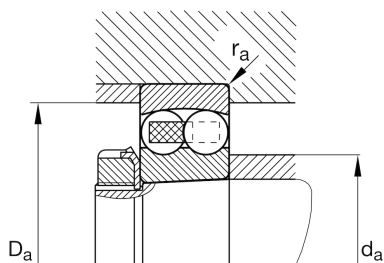
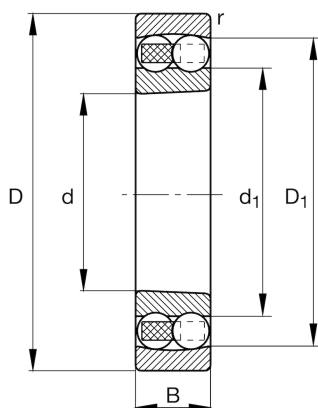
## ★ 2312-K-TVH-C3

Self-aligning ball bearing

Schaeffler ID:  
0389072910030Self-aligning ball bearing 23...-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.
	2,521 kg	Weight

## Main Dimensions &amp; Performance Data

d	60 mm	Bore diameter
D	130 mm	Outside diameter
B	46 mm	Width
$r_{min}$	2,1 mm	Minimum chamfer dimension
$C_r$	89.000 N	Basic dynamic load rating, radial
$C_{0r}$	28.000 N	Basic static load rating, radial
$C_{ur}$	1.790 N	Fatigue load limit, radial
$n_G$	5.200 1/min	Limiting speed
$n_{gr}$	6.700 1/min	Reference speed

## Dimensions

$D_1$	108,5 mm	Shoulder diameter outer ring
$d_1$	77 mm	Shoulder diameter inner ring

## Mounting dimensions

$d_{a min}$	72 mm	Minimum diameter shaft shoulder
$d_{a max}$	74 mm	Maximum diameter shaft shoulder
$D_{a max}$	118 mm	Maximum diameter of housing shoulder
$d_{b min}$	66 mm	Minimum cavity diameter of the sleeve
$B_{a min}$	5 mm	Minimum cavity width of the sleeve
$r_{a max}$	2,1 mm	Maximum fillet radius

**Calculation factors**

e	0,41	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
	H2312	Adapter sleeve
Y <sub>1</sub>	1,55	Dynamic axial load factor
Y <sub>2</sub>	2,39	Dynamic axial load factor
Y <sub>0</sub>	1,62	Static axial load factor