

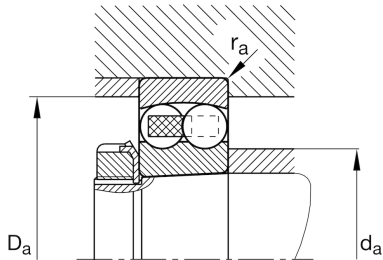
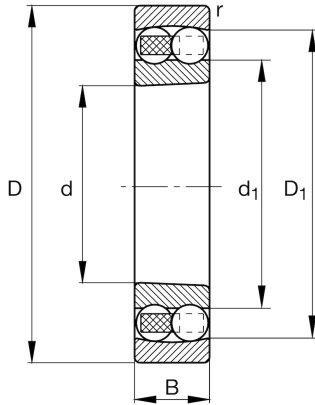
FAG

**2313-K-TVH-C3**

Self-aligning ball bearing

Schaeffler ID:  
0384396460030Self-aligning ball bearing 23...-K-TVH,  
tapered bore taper 1:12, plastic cage

## Technical information

**Main Dimensions & Performance Data**

d	65 mm	Bore diameter
D	140 mm	Outside diameter
B	48 mm	Width
$r_{\min}$	2,1 mm	Minimum chamfer dimension
$C_r$	98.000 N	Basic dynamic load rating, radial
$C_{0r}$	32.500 N	Basic static load rating, radial
$C_{ur}$	2.040 N	Fatigue load limit, radial
$n_G$	4.750 1/min	Limiting speed
$n_{gr}$	6.100 1/min	Reference speed
	3,15 kg	Weight

**Dimensions**

$D_1$	118,3 mm	Shoulder diameter outer ring
	H2313	Adapter sleeve
$d_1$	85,6 mm	Shoulder diameter inner ring

**Mounting dimensions**

$d_{a \min}$	77 mm	Minimum diameter shaft shoulder
$d_{a \max}$	82 mm	Maximum diameter shaft shoulder
$D_{a \max}$	128 mm	Maximum diameter of housing shoulder
$d_{b \min}$	72 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	0,39	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	1,62	Dynamic axial load factor
$Y_2$	2,51	Dynamic axial load factor
$Y_0$	1,7	Static axial load factor

**Temperature range**

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