



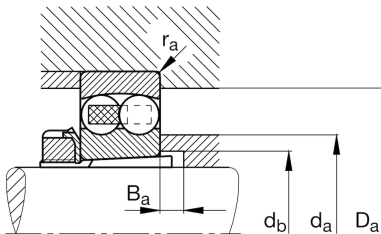
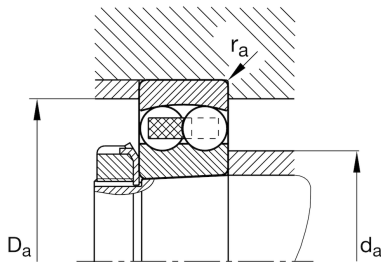
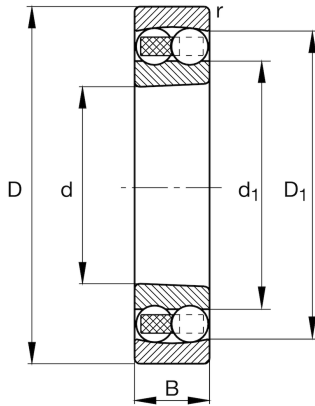
FAG

**1308-K-TVH-C3**

Self-aligning ball bearing

Schaeffler ID:  
0389035550030Self-aligning ball bearing 13..-K-TVH,  
tapered bore taper 1:12, plastic cage

## Technical information

**Main Dimensions & Performance Data**

d	40 mm	Bore diameter
D	90 mm	Outside diameter
B	23 mm	Width
$r_{min}$	1,5 mm	Minimum chamfer dimension
$C_r$	30.000 N	Basic dynamic load rating, radial
$C_{0r}$	9.700 N	Basic static load rating, radial
$C_{ur}$	610 N	Fatigue load limit, radial
$n_G$	8.600 1/min	Limiting speed
$n_{\theta r}$	7.200 1/min	Reference speed
	0,704 kg	Weight

**Dimensions**

$D_1$	74,7 mm	Shoulder diameter outer ring
$d_1$	57,8 mm	Shoulder diameter inner ring

**Mounting dimensions**

$d_{a min}$	49 mm	Minimum diameter shaft shoulder
$d_{a max}$	55 mm	Maximum diameter shaft shoulder
$D_{a max}$	81 mm	Maximum diameter of housing shoulder
$d_{b min}$	44 mm	Minimum cavity diameter of the sleeve
$B_{a min}$	5 mm	Minimum cavity width of the sleeve
$r_{a max}$	1,5 mm	Maximum fillet radius

**Calculation factors**

e	0,25	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	2,51	Dynamic axial load factor
$Y_2$	3,88	Dynamic axial load factor
$Y_0$	2,63	Static axial load factor

**Additional information**

H308	Adapter sleeve
------	----------------

**Temperature range**

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