

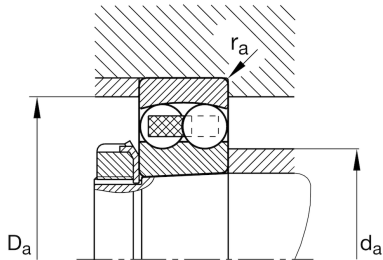
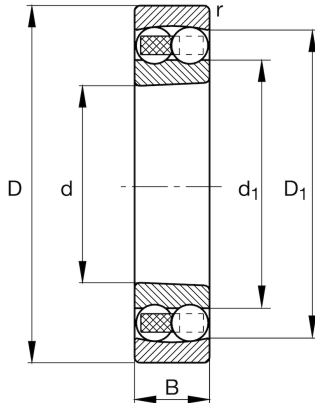
FAG

**1206-K-TVH-C3**

Self-aligning ball bearing

Schaeffler ID:  
0385273160030Self-aligning ball bearing 12..-K-TVH,  
tapered bore taper 1:12, plastic cage

## Technical information

**Main Dimensions & Performance Data**

d	30 mm	Bore diameter
D	62 mm	Outside diameter
B	16 mm	Width
$r_{\min}$	1 mm	Minimum chamfer dimension
$C_r$	15,900 N	Basic dynamic load rating, radial
$C_{0r}$	4,650 N	Basic static load rating, radial
$C_{ur}$	295 N	Fatigue load limit, radial
$n_G$	13,100 1/min	Limiting speed
$n_{gr}$	11,400 1/min	Reference speed
	0.217 kg	Weight

**Dimensions**

$D_1$	51.6 mm	Shoulder diameter outer ring
$d_1$	40.1 mm	Shoulder diameter inner ring

**Mounting dimensions**

$d_{a\min}$	35.6 mm	Minimum diameter shaft shoulder
$d_{a\max}$	38 mm	Maximum diameter shaft shoulder
$D_{a\max}$	56.4 mm	Maximum diameter of housing shoulder
$d_{b\min}$	33 mm	Minimum cavity diameter of the sleeve
$B_{a\min}$	5 mm	Minimum cavity width of the sleeve
$r_{a\max}$	1 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
	H206	Adapter sleeve
$Y_1$	2.54	Dynamic axial load factor
$Y_2$	3.93	Dynamic axial load factor
$Y_0$	2.66	Static axial load factor

**Temperature range**

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