

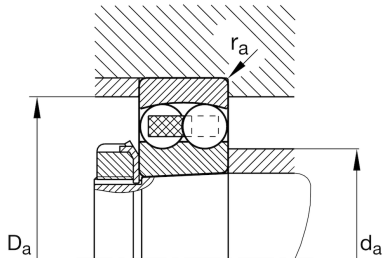
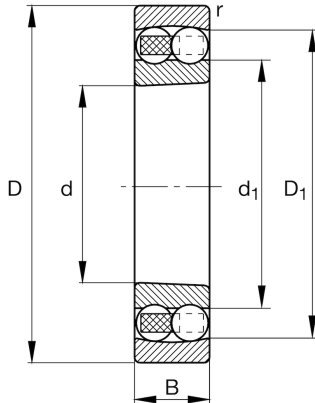
FAG

**1218-K-TVH-C3**

Self-aligning ball bearing

Schaeffler ID:  
0384369220030Self-aligning ball bearing 12..-K-TVH,  
tapered bore taper 1:12, plastic cage

## Technical information

**Main Dimensions & Performance Data**

d	[90] mm	Bore diameter
D	[160] mm	Outside diameter
B	[30] mm	Width
$C_r$	[57.000] N	Basic dynamic load rating, radial
$C_{0r}$	[23.500] N	Basic static load rating, radial
$C_{ur}$	[1.330] N	Fatigue load limit, radial
$n_G$	[4.550] 1/min	Limiting speed
$n_{gr}$	[4.850] 1/min	Reference speed
	[2,48] kg	Weight

**Mounting dimensions**

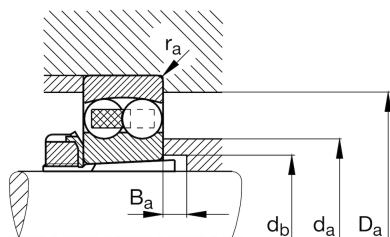
$d_{a \min}$	[101] mm	Minimum diameter shaft shoulder
$d_{a \max}$	[110] mm	Maximum diameter shaft shoulder
$D_{a \max}$	[149] mm	Maximum diameter of housing shoulder
$d_{b \min}$	[95] mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	[6] mm	Minimum cavity width of the sleeve
$r_{a \max}$	[2] mm	Maximum fillet radius

**Dimensions**

$r_{\min}$	[2] mm	Minimum chamfer dimension
$D_1$	[138,7] mm	Shoulder diameter outer ring
$d_1$	[112,7] mm	Shoulder diameter inner ring

**Temperature range**

$T_{\min}$	[-30] °C	Operating temperature min.
$T_{\max}$	[120] °C	Operating temperature max.



### Calculation factors

e	[0,17]	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	[3,74]	Dynamic axial load factor
$Y_2$	[5,79]	Dynamic axial load factor
$Y_0$	[3,92]	Static axial load factor

### Additional information

[H218]	Adapter sleeve
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