



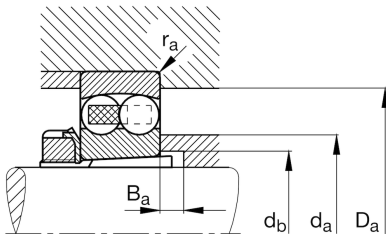
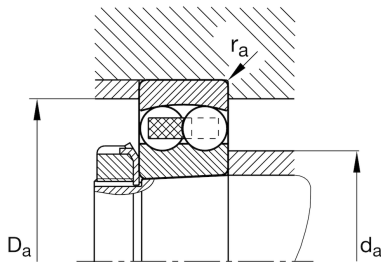
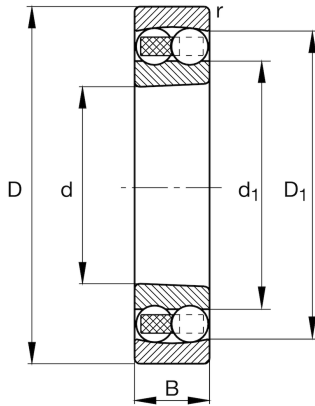
FAG

2218-K-TVH-C3

Self-aligning ball bearing

Schaeffler ID:
0384380540030Self-aligning ball bearing 22..-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	40 mm	Width
r_{\min}	2 mm	Minimum chamfer dimension
C_r	71.000 N	Basic dynamic load rating, radial
C_{0r}	28.500 N	Basic static load rating, radial
C_{ur}	1.630 N	Fatigue load limit, radial
n_G	4.400 1/min	Limiting speed
$n_{\theta r}$	5.200 1/min	Reference speed
	3,33 kg	Weight

Dimensions

D_1	139,4 mm	Shoulder diameter outer ring
d_1	111,5 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a \min}$	101 mm	Minimum diameter shaft shoulder
$d_{a \max}$	108 mm	Maximum diameter shaft shoulder
$D_{a \max}$	149 mm	Maximum diameter of housing shoulder
$d_{b \min}$	96 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	10 mm	Minimum cavity width of the sleeve
$r_{a \max}$	2 mm	Maximum fillet radius

Calculation factors

e	0,27	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,33	Dynamic axial load factor
Y_2	3,61	Dynamic axial load factor
Y_0	2,45	Static axial load factor

Additional information

H318	Adapter sleeve
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Temperature range

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