



FAG

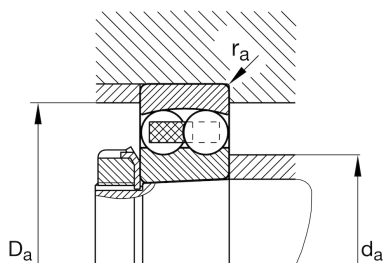
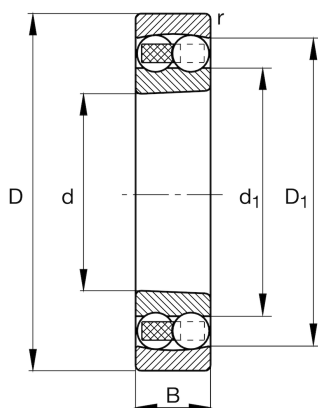
★ 2216-K-TVH-C3

Self-aligning ball bearing

Schaeffler ID:
0384380380030Self-aligning ball bearing 22..-K-TVH,
tapered bore taper 1:12, plastic cage

★ Preferred product

Technical information



Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	120 °C	Operating temperature max.
	1,97 kg	Weight

Main Dimensions & Performance Data

d	80 mm	Bore diameter
D	140 mm	Outside diameter
B	33 mm	Width
r_{min}	2 mm	Minimum chamfer dimension
C_r	49.500 N	Basic dynamic load rating, radial
C_{0r}	19.900 N	Basic static load rating, radial
C_{ur}	1.210 N	Fatigue load limit, radial
n_G	5.300 1/min	Limiting speed
n_{gr}	5.400 1/min	Reference speed

Dimensions

D_1	121 mm	Shoulder diameter outer ring
d_1	99,2 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a min}$	91 mm	Minimum diameter shaft shoulder
$d_{a max}$	96 mm	Maximum diameter shaft shoulder
$D_{a max}$	129 mm	Maximum diameter of housing shoulder
$d_{b min}$	85 mm	Minimum cavity diameter of the sleeve
$B_{a min}$	12 mm	Minimum cavity width of the sleeve
$r_{a max}$	2 mm	Maximum fillet radius

Calculation factors

e	0,25	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
	H316	Adapter sleeve
Y ₁	2,48	Dynamic axial load factor
Y ₂	3,84	Dynamic axial load factor
Y ₀	2,6	Static axial load factor