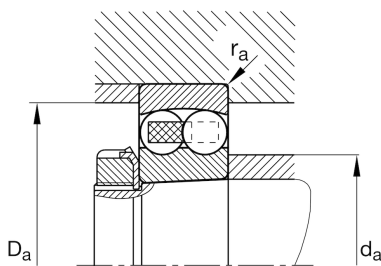
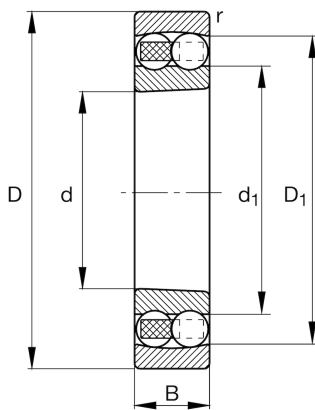


**FAG****2218-K-TVH-C3** [🔗](#)

Self-aligning ball bearing

Self-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
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 _{gr}	5.200 1/min	Reference speed
≈m	3,08 kg	Weight

Mounting dimensions

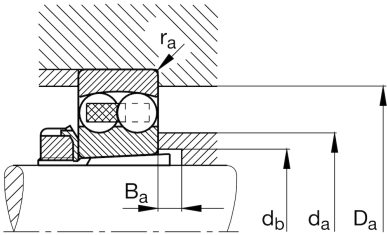
d _{a min}	101 mm	Minimum diameter shaft shoulder
d _{a max}	108 mm	Maximum diameter shaft shoulder
D _{a max}	149 mm	Maximum diameter of housing shoulder
d _{b min}	96 mm	Minimum cavity diameter of the sleeve
B _{a min}	10 mm	Minimum cavity width of the sleeve
r _{a max}	2 mm	Maximum fillet radius

Dimensions

r _{min}	2 mm	Minimum chamfer dimension
D ₁	139,35 mm	Shoulder diameter outer ring
d ₁	111,5 mm	Shoulder diameter inner ring

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	120 °C	Operating temperature max.



Calculation factors

e	0,27	Limiting value of Fa/Fr 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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