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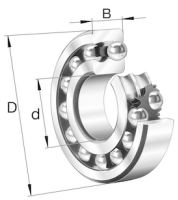


FAG

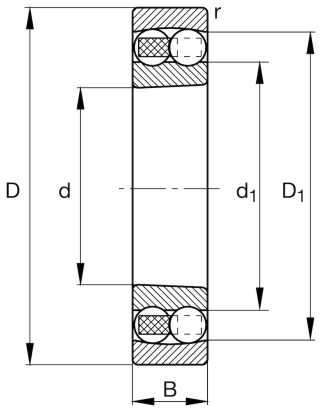
1211-K-TVH-C3

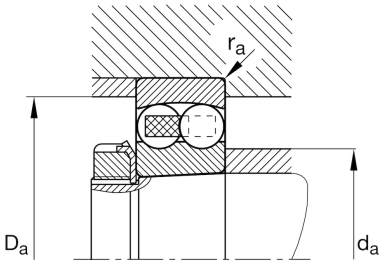
Self-aligning ball bearing

Schaeffler ID:
0390562440030

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

Technical information





Main Dimensions & Performance Data

d	55 mm	Bore diameter
D	100 mm	Outside diameter
B	21 mm	Width
r_{min}	1.5 mm	Minimum chamfer dimension
C_r	27,000 N	Basic dynamic load rating, radial
C_{0r}	10,000 N	Basic static load rating, radial
C_{ur}	630 N	Fatigue load limit, radial
n_G	7,700 1/min	Limiting speed
$n_{\vartheta r}$	6,900 1/min	Reference speed
	0.664 kg	Weight

Dimensions

D_1	86.4 mm	Shoulder diameter outer ring
d_1	69.5 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a\ min}$	64 mm	Minimum diameter shaft shoulder
$d_{a\ max}$	69 mm	Maximum diameter shaft shoulder
$D_{a\ max}$	91 mm	Maximum diameter of housing shoulder
$d_{b\ min}$	60 mm	Minimum cavity diameter of the sleeve
$B_{a\ min}$	6 mm	Minimum cavity width of the sleeve
$r_{a\ max}$	1.5 mm	Maximum fillet radius

Calculation factors

e	0.19	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
	H211	Adapter sleeve
Y_1	3.32	Dynamic axial load factor
Y_2	5.15	Dynamic axial load factor
Y_0	3.48	Static axial load factor

The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all further information and guidelines for this product. For further information you can use the contact form on our website.

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

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