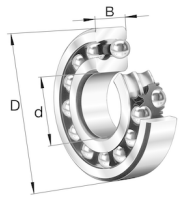


FAG

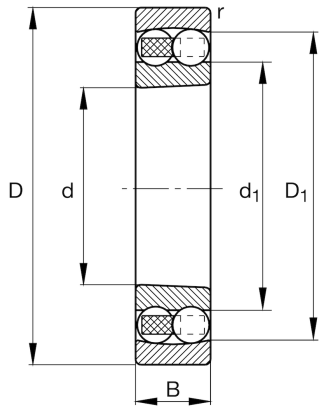
1206-K-TVH-C3

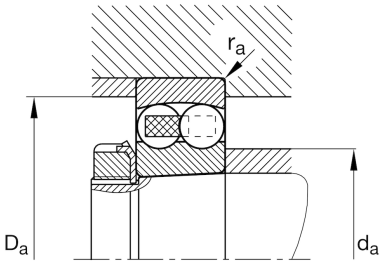
Self-aligning ball bearing

Schaeffler ID:
0385273160030

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

Technical information





Main Dimensions & Performance Data

d	30 mm	Bore diameter
D	62 mm	Outside diameter
B	16 mm	Width
r_{min}	1 mm	Minimum chamfer dimension
C_r	15.900 N	Basic dynamic load rating, radial
C_{0r}	4.650 N	Basic static load rating, radial
C_{ur}	295 N	Fatigue load limit, radial
n_G	13.100 1/min	Limiting speed
$n_{\vartheta r}$	11.400 1/min	Reference speed
	0,217 kg	Weight

Dimensions

D_1	51,6 mm	Shoulder diameter outer ring
	H206	Adapter sleeve
d_1	40,1 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a\,min}$	35,6 mm	Minimum diameter shaft shoulder
$d_{a\,max}$	38 mm	Maximum diameter shaft shoulder
$D_{a\,max}$	56,4 mm	Maximum diameter of housing shoulder
$d_{b\,min}$	33 mm	Minimum cavity diameter of the sleeve
$B_{a\,min}$	5 mm	Minimum cavity width of the sleeve
$r_{a\,max}$	1 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
Y_1	2,54	Dynamic axial load factor
Y_2	3,93	Dynamic axial load factor
Y_0	2,66	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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