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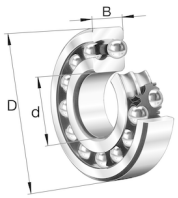


FAG

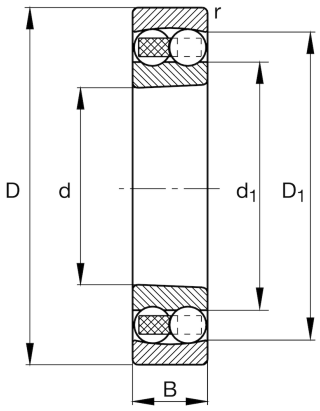
1319-K-M-C3

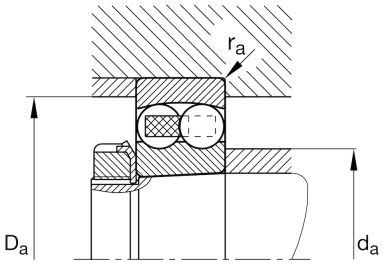
Self-aligning ball bearing

Schaeffler ID:
0384371630030

Self-aligning ball bearing 13..-K-M, tapered bore taper 1:12, solid brass cage

Technical information





Main Dimensions & Performance Data

d	95 mm	Bore diameter
D	200 mm	Outside diameter
B	45 mm	Width
r_{min}	3 mm	Minimum chamfer dimension
C_r	134.000 N	Basic dynamic load rating, radial
C_{0r}	51.000 N	Basic static load rating, radial
C_{ur}	2.650 N	Fatigue load limit, radial
n_G	5.100 1/min	Limiting speed
$n_{\vartheta r}$	4.050 1/min	Reference speed
	6,9 kg	Weight

Dimensions

D_1	169,9 mm	Shoulder diameter outer ring
	H319	Adapter sleeve
d_1	127,6 mm	Shoulder diameter inner ring
C_1	1,6 mm	Overhang rolling element

Mounting dimensions

$d_{a\ min}$	109 mm	Minimum diameter shaft shoulder
$d_{a\ max}$	126 mm	Maximum diameter shaft shoulder
$D_{a\ max}$	186 mm	Maximum diameter of housing shoulder
$d_{b\ min}$	102 mm	Minimum cavity diameter of the sleeve
$B_{a\ min}$	7 mm	Minimum cavity width of the sleeve
$r_{a\ max}$	2,5 mm	Maximum fillet radius

Calculation factors

e	0,23	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y_1	2,74	Dynamic axial load factor
Y_2	4,25	Dynamic axial load factor
Y_0	2,88	Static axial load factor

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Temperature range		
T_{min}	-30 °C	Operating temperature min.
T_{max}	150 °C	Operating temperature max.