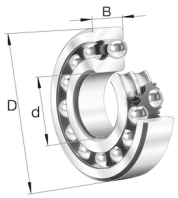
SCHAEFFLER



FAG

★ 1317-K-M-C3

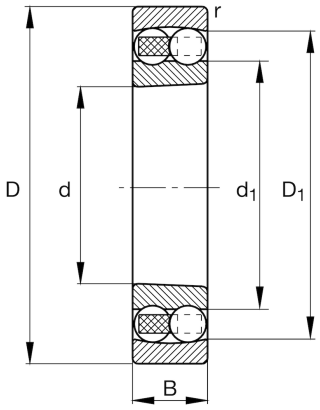
Self-aligning ball bearing

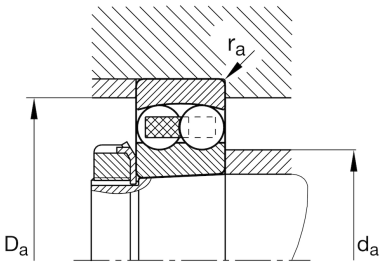
Schaeffler ID:
0384371470030

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

★ Preferred product

Technical information





Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	150 °C	Operating temperature max.
	5,134 kg	Weight

Main Dimensions & Performance Data

d	85 mm	Bore diameter
D	180 mm	Outside diameter
B	41 mm	Width
r_{min}	3 mm	Minimum chamfer dimension
C_r	99.000 N	Basic dynamic load rating, radial
C_{0r}	38.000 N	Basic static load rating, radial
C_{ur}	2.070 N	Fatigue load limit, radial
n_G	5.800 1/min	Limiting speed
$n_{\vartheta r}$	4.300 1/min	Reference speed

Dimensions

D_1	151,9 mm	Shoulder diameter outer ring
d_1	117,2 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a\ min}$	99 mm	Minimum diameter shaft shoulder
$d_{a\ max}$	114 mm	Maximum diameter shaft shoulder
$D_{a\ max}$	166 mm	Maximum diameter of housing shoulder
$d_{b\ min}$	91 mm	Minimum cavity diameter of the sleeve
$B_{a\ min}$	6 mm	Minimum cavity width of the sleeve
$r_{a\ max}$	2,5 mm	Maximum fillet radius

Calculation factors		
e	0,22	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
	H317	Adapter sleeve
Y_1	2,88	Dynamic axial load factor
Y_2	4,46	Dynamic axial load factor
Y_0	3,02	Static axial load factor