

FAG

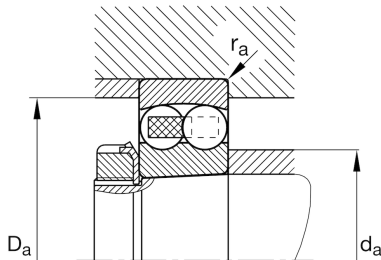
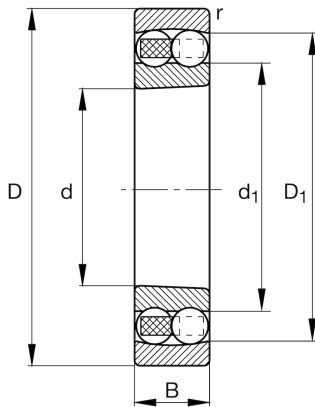
★ 1315-K-M-C3

Self-aligning ball bearing

Schaeffler ID:
0384371200030Self-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.
	3,6 kg	Weight

Main Dimensions & Performance Data

d	75 mm	Bore diameter
D	160 mm	Outside diameter
B	37 mm	Width
r_{\min}	2,1 mm	Minimum chamfer dimension
C_r	80.000 N	Basic dynamic load rating, radial
C_{0r}	30.000 N	Basic static load rating, radial
C_{ur}	1.740 N	Fatigue load limit, radial
n_G	6.700 1/min	Limiting speed
n_{gr}	4.750 1/min	Reference speed

Dimensions

D_1	134,8 mm	Shoulder diameter outer ring
d_1	104,8 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a \min}$	87 mm	Minimum diameter shaft shoulder
$d_{a \max}$	100 mm	Maximum diameter shaft shoulder
$D_{a \max}$	148 mm	Maximum diameter of housing shoulder
$d_{b \min}$	80 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	5 mm	Minimum cavity width of the sleeve
$r_{a \max}$	2,1 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
	H315	Adapter sleeve
Y ₁	2,78	Dynamic axial load factor
Y ₂	4,3	Dynamic axial load factor
Y ₀	2,91	Static axial load factor