

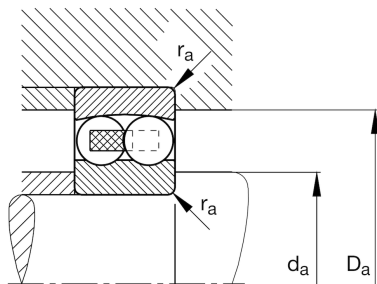
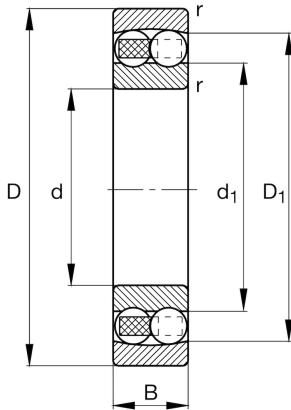
FAG

1314-M

Self-aligning ball bearing

Schaeffler ID:
0190057680000Self-aligning ball bearing 13..-M, solid
brass cage

Technical information

**Main Dimensions & Performance Data**

d	[70] mm	Bore diameter
D	[150] mm	Outside diameter
B	[35] mm	Width
C_r	[75.000] N	Basic dynamic load rating, radial
C_{0r}	[27.500] N	Basic static load rating, radial
C_{ur}	[1.670] N	Fatigue load limit, radial
n_G	[7.200] 1/min	Limiting speed
n_{gr}	[4.950] 1/min	Reference speed
	[3,11] kg	Weight

Mounting dimensions

$d_{a \min}$	[82] mm	Minimum diameter shaft shoulder
$D_{a \max}$	[138] mm	Maximum diameter of housing shoulder
$r_{a \max}$	[2,1] mm	Maximum fillet radius

Dimensions

r_{\min}	[2,1] mm	Minimum chamfer dimension
D_1	[126,4] mm	Shoulder diameter outer ring
d_1	[97,7] mm	Shoulder diameter inner ring

Temperature range

T_{\min}	[-30] °C	Operating temperature min.
T_{\max}	[150] °C	Operating temperature max.

Calculation factors

e	[0,22]	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	[2,81]	Dynamic axial load factor
Y_2	[4,35]	Dynamic axial load factor
Y_0	[2,94]	Static axial load factor