

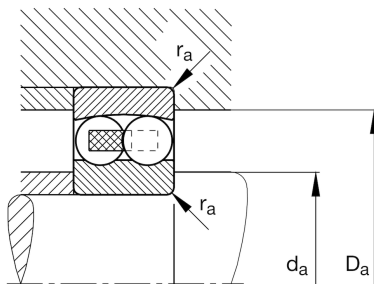
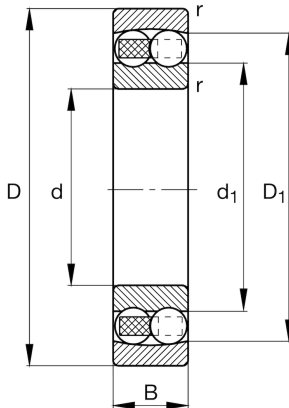
FAG

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
r_{\min}	2,1 mm	Minimum chamfer dimension
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

Dimensions

D_1	126,4 mm	Shoulder diameter outer ring
d_1	97,7 mm	Shoulder diameter inner ring

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

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

Temperature range

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