



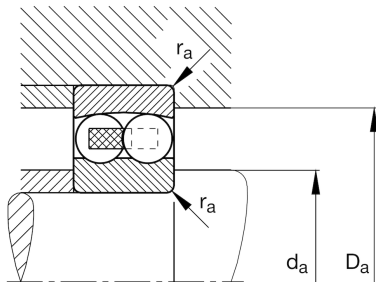
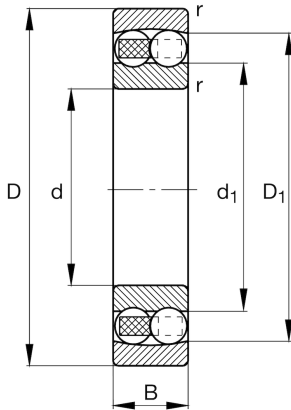
FAG

**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.