



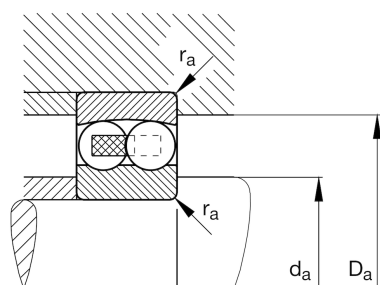
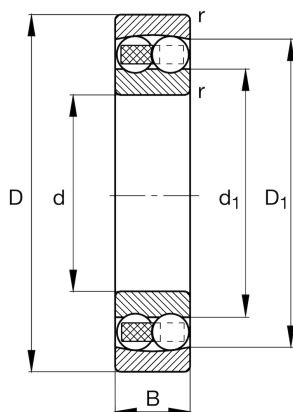
FAG

2314-M

Self-aligning ball bearing

Schaeffler ID:
0167080160000Self-aligning ball bearing 23..-M, solid
brass cage

Technical information

**Main Dimensions & Performance Data**

d	70 mm	Bore diameter
D	150 mm	Outside diameter
B	51 mm	Width
r_{\min}	2,1 mm	Minimum chamfer dimension
C_r	112.000 N	Basic dynamic load rating, radial
C_{0r}	37.500 N	Basic static load rating, radial
C_{ur}	2.270 N	Fatigue load limit, radial
n_G	6.600 1/min	Limiting speed
n_{gr}	5.800 1/min	Reference speed
	4,186 kg	Weight

Dimensions

D_1	127,2 mm	Shoulder diameter outer ring
d_1	91,9 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	0,38	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1,65	Dynamic axial load factor
Y_2	2,55	Dynamic axial load factor
Y_0	1,73	Static axial load factor

Temperature range

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