

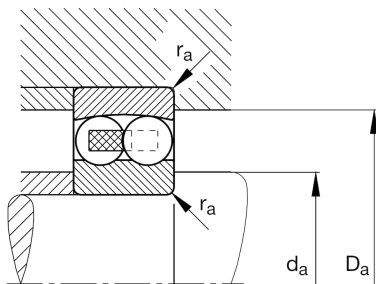
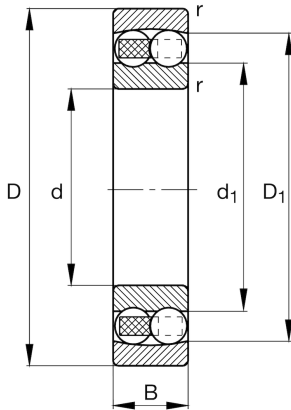
FAG

2315-M

Self-aligning ball bearing

Schaeffler ID:
0167081050000Self-aligning ball bearing 23..-M, solid
brass cage

Technical information

**Main Dimensions & Performance Data**

d	75 mm	Bore diameter
D	160 mm	Outside diameter
B	55 mm	Width
r_{\min}	2,1 mm	Minimum chamfer dimension
C_r	125.000 N	Basic dynamic load rating, radial
C_{0r}	42.500 N	Basic static load rating, radial
C_{ur}	2.490 N	Fatigue load limit, radial
n_G	6.100 1/min	Limiting speed
n_{gr}	5.600 1/min	Reference speed
	5,208 kg	Weight

Dimensions

D_1	135,2 mm	Shoulder diameter outer ring
d_1	100,5 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a\min}$	87 mm	Minimum diameter shaft shoulder
$D_{a\max}$	148 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.