



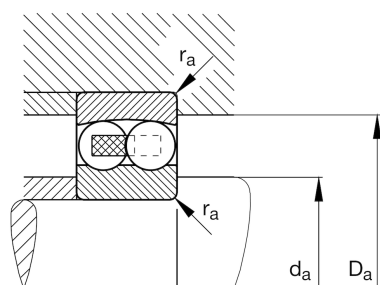
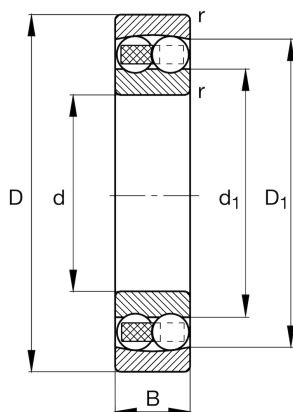
FAG

1315-M

Self-aligning ball bearing

Schaeffler ID:
0167008560000Self-aligning ball bearing 13..-M, solid
brass cage

Technical information

**Main Dimensions & Performance Data**

d	75 mm	Bore diameter
D	160 mm	Outside diameter
B	37 mm	Width
r_{\min}	2,1 mm	Minimum chamfer dimension
C_r	80.000 N	Basic dynamic load rating, radial
C_{0r}	30.000 N	Basic static load rating, radial
C_{ur}	1.740 N	Fatigue load limit, radial
n_G	6.700 1/min	Limiting speed
n_{gr}	4.750 1/min	Reference speed
	3,474 kg	Weight

Dimensions

D_1	134,8 mm	Shoulder diameter outer ring
d_1	104,8 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	0,23	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,78	Dynamic axial load factor
Y_2	4,3	Dynamic axial load factor
Y_0	2,91	Static axial load factor

Temperature range

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