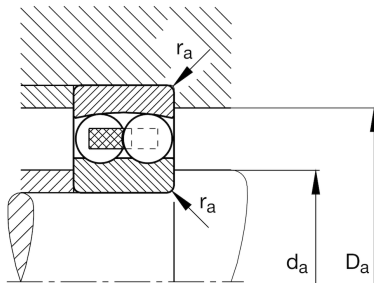
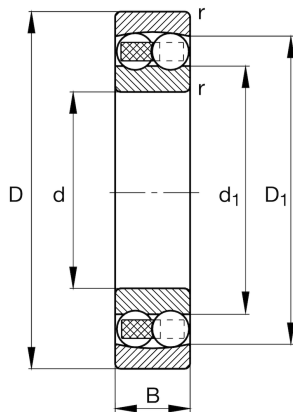
**FAG****1315-M**

Self-aligning ball bearing

Self-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
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
≈m	3,474 kg	Weight

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

Dimensions

r _{min}	2,1 mm	Minimum chamfer dimension
D ₁	134,8 mm	Shoulder diameter outer ring
d ₁	104,8 mm	Shoulder diameter inner ring

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	150 °C	Operating temperature max.

Calculation factors

e	0,23	Limiting value of Fa/Fr 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