

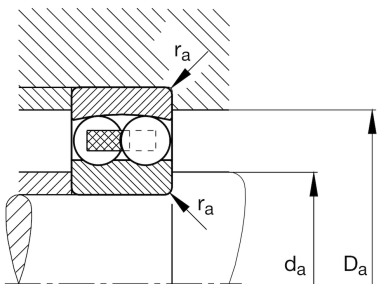
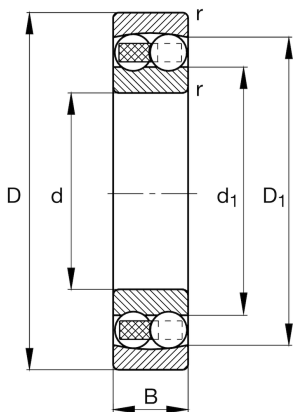
FAG

2308-M
Self-aligning ball bearing

Schaeffler ID:
0190290710000

Self-aligning ball bearing 23...-M, solid
brass cage

Technical information



Main Dimensions & Performance Data

d	1,575 in	Bore diameter
D	3,543 in	Outside diameter
B	1,299 in	Width
C _r	10.341,727 lbf	Basic dynamic load rating, radial
C _{0r}	3.035,072 lbf	Basic static load rating, radial
C _{ur}	193,345 lbf	Fatigue load limit, radial
n _G	11.900 1/min	Limiting speed
n _{gr}	8.700 1/min	Reference speed
	2,216 lbs	{Weight}

Mounting dimensions

d _{a min}	1,929 in	Minimum diameter shaft shoulder
D _{a max}	3,189 in	Maximum diameter of housing shoulder
r _{a max}	0,059 in	Maximum fillet radius

Dimensions

r _{min}	0,059 in	Minimum chamfer dimension
D ₁	2,933 in	Shoulder diameter outer ring
d ₁	2,114 in	Shoulder diameter inner ring

Temperature range

T _{min}	-22 °F	Operating temperature min.
T _{max}	302 °F	Operating temperature max.

Calculation factors

e	0,43	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	1,46	Dynamic axial load factor
Y ₂	2,25	Dynamic axial load factor
Y ₀	1,52	Static axial load factor