



FAG

2307-M>J

Self-aligning ball bearing

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

Informacje techniczne



Twoja aktualna wersja produktu

Version code	>J	Not marked on bearing
Bore type	Z	Cylindrical
Sealing	Without	Not sealed
Cage	M	Solid brass cage, ball guided
Tolerance class	PN	Normal (ISO 492:2023)
Radial internal clearance	CN (Group N)	Normal internal clearance
Lubricant	Without	Bearing not greased

Main Dimensions & Performance Data

d	35 mm	Bore diameter
D	80 mm	Outside diameter
B	31 mm	Width
C _r	40.500 N	Basic dynamic load rating, radial
C _{0r}	11.200 N	Basic static load rating, radial
C _{ur}	710 N	Fatigue load limit, radial
n _G	13.300 1/min	Limiting speed
n _{gr}	9.800 1/min	Reference speed
≈m	0,74 kg	Masa

Mounting dimensions

d _{a min}	44 mm	Minimum diameter shaft shoulder
D _{a max}	71 mm	Maximum diameter of housing shoulder
r _{a max}	1,5 mm	Maximum fillet radius



Dimensions

r_{min}	1,5 mm	Minimum chamfer dimension
D_1	66,05 mm	Shoulder diameter outer ring
d_1	46,85 mm	Shoulder diameter inner ring

Temperature range

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

Calculation factors

e	0,46	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1,36	Dynamic axial load factor
Y_2	2,1	Dynamic axial load factor
Y_0	1,42	Static axial load factor

Właściwości

	Obciążenie promieniowe
	Obciążenie osiowe jednokierunkowe
	Obciążenie osiowe dwukierunkowe
	Smarowanie smarem
	Smarowanie olejem
	Bez uszczelnienia
	Nieosiowość statyczna
	Nieosiowość dynamiczna