



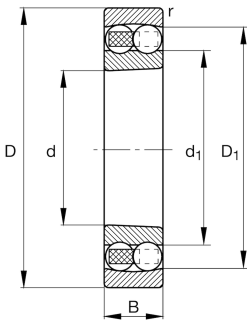
FAG

1320-K-M-C3

Self-aligning ball bearing

Self-aligning ball bearing 13.-K-M, tapered bore taper 1:12, solid brass cage

Informacje techniczne

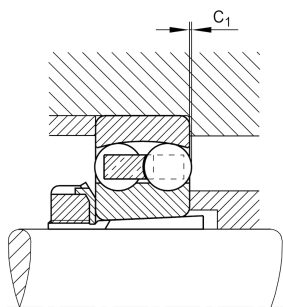


Twoja aktualna wersja produktu

Bore type	K	Tapered, taper 1:12
Type of Seal	Without	Not sealed
Cage	M	Solid brass cage, ball guided
Tolerance class	PN	Normal (ISO 492:2023)
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Lubricant	Without	Bearing not greased

Main Dimensions & Performance Data

d	100 mm	Bore diameter
D	215 mm	Outside diameter
B	47 mm	Width
C _r	145.000 N	Basic dynamic load rating, radial
C _{0r}	57.000 N	Basic static load rating, radial
C _{ur}	2.900 N	Fatigue load limit, radial
n _G	4.700 1/min	Limiting speed
n _{gr}	3.850 1/min	Reference speed
m	8,64 kg	Masa



Mounting dimensions

$d_{a \min}$	114 mm	Minimum diameter shaft shoulder
$d_{a \max}$	132 mm	Maximum diameter shaft shoulder
$D_{a \max}$	201 mm	Maximum diameter of housing shoulder
$d_{b \min}$	108 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	7 mm	Minimum cavity width of the sleeve
$r_{a \max}$	2,5 mm	Maximum fillet radius

Dimensions

$r_{\min}$	3 mm	Minimum chamfer dimension
D_1	181,3 mm	Shoulder diameter outer ring
d_1	135,92 mm	Shoulder diameter inner ring
C_1	2,4 mm	Overhang rolling element

Temperature range

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

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	2,68	Dynamic axial load factor
Y_2	4,15	Dynamic axial load factor
Y_0	2,81	Static axial load factor

Additional information

H320

Adapter sleeve



Właściwości

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