



FAG

61816-Y

Deep groove ball bearing

Deep groove ball bearing 618..-Y, single row,
brass sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

Sealing	Without	Not sealed
Cage	Y	Brass sheet metal
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	Without	Bearing not greased
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	80 mm	Bore diameter
D	100 mm	Outside diameter
B	10 mm	Width
C _r	13.800 N	Basic dynamic load rating, radial
C _{0r}	13.800 N	Basic static load rating, radial
C _{ur}	930 N	Fatigue load limit, radial
n _G	12.300 1/min	Limiting speed
n _{gr}	4.600 1/min	Reference speed
≈m	0,155 kg	Masa



Mounting dimensions

$d_{a\min}$	83,2 mm	Minimum diameter shaft shoulder
$D_{a\max}$	96,8 mm	Maximum diameter of housing shoulder
$r_{a\max}$	0,6 mm	Maximum fillet radius

Dimensions

$r_{\min}$	0,6 mm	Minimum chamfer dimension
D_1	93,57 mm	Shoulder diameter outer ring
d_1	86,6 mm	Shoulder diameter inner ring

Temperature range

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

Calculation factors

f_0	16	Calculation factor
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Właściwości

	Obciążenie promieniowe
	Obciążenie osiowe jednokierunkowe
	Obciążenie osiowe dwukierunkowe
	Smarowanie smarem
	Smarowanie olejem
	Bez uszczelnienia