



FAG

61816

Deep groove ball bearing

Deep groove ball bearing 618, single row,
steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

Sealing	Without	Not sealed
Cage	JN	Steel 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	9.400 1/min	Limiting speed
n _{gr}	4.600 1/min	Reference speed
≈m	0,157 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
-----------	----	--------------------

Właściwości

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