



FAG

61824-2RZ-C3

Deep groove ball bearing

Deep groove ball bearing 618...-2RZ, single row, shields, steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

Sealing	2RZ	Non-contact seal on both sides
Cage	JN	Steel sheet metal
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	GA13	Ball bearing and insert bearing grease
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	120 mm	Bore diameter
D	150 mm	Outside diameter
B	16 mm	Width
C _r	30.500 N	Basic dynamic load rating, radial
C _{0r}	33.000 N	Basic static load rating, radial
C _{ur}	1.730 N	Fatigue load limit, radial
n _G	5.100 1/min	Limiting speed
n _{gr}	3.750 1/min	Reference speed
≈m	0,553 kg	Masa



Mounting dimensions

$d_{a\min}$	124,6 mm	Minimum diameter shaft shoulder
$D_{a\max}$	145,4 mm	Maximum diameter of housing shoulder
$r_{a\max}$	1 mm	Maximum fillet radius

Dimensions

$r_{\min}$	1 mm	Minimum chamfer dimension
D_1	140,61 mm	Shoulder diameter outer ring
D_2	143,3 mm	Caliber diameter outer ring
d_1	129,7 mm	Shoulder diameter inner ring

Temperature range

$T_{\min}$	-20 °C	Operating temperature min.
$T_{\max}$	100 °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 dożywotnie, bezobsługowe
	Smarowanie smarem
	Uszczelnienie dwustronne