



FAG

6024-Z-C3 [🔗](#)

Deep groove ball bearing

Deep groove ball bearing 60...-Z, single row, shield , steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

Type of Seal	Z	Non-contact shield on one Side
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	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	120 mm	Bore diameter
D	180 mm	Outside diameter
B	28 mm	Width
C _r	88.000 N	Basic dynamic load rating, radial
C _{0r}	77.000 N	Basic static load rating, radial
C _{ur}	3.650 N	Fatigue load limit, radial
n _G	5.000 1/min	Limiting speed
n _{gr}	4.450 1/min	Reference speed
≈m	2,059 kg	Masa



Mounting dimensions

$d_{a\ min}$	128,8 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	171,2 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	2 mm	Maximum fillet radius

Dimensions

$r_{\min}$	2 mm	Minimum chamfer dimension
D_1	161,38 mm	Shoulder diameter outer ring
D_2	165,36 mm	Caliber diameter outer ring
d_1	139,4 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	15,8	Calculation factor
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Właściwości

	Obciążenie promieniowe
	Obciążenie osiowe jednokierunkowe
	Obciążenie osiowe dwukierunkowe
	Smarowanie smarem
	Smarowanie olejem
	Uszczelnienie jednostronne