



FAG

6318-2Z-C4

Deep groove ball bearing

Deep groove ball bearing 63...2Z, single row, shields, steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

Sealing	2Z	Non-contact shield 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	C4 (Group 4)	Internal clearance larger than C3
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	90 mm	Bore diameter
D	190 mm	Outside diameter
B	43 mm	Width
C _r	142.000 N	Basic dynamic load rating, radial
C _{0r}	102.000 N	Basic static load rating, radial
C _{ur}	5.900 N	Fatigue load limit, radial
n _G	4.150 1/min	Limiting speed
n _{gr}	5.100 1/min	Reference speed
≈m	5,4 kg	Masa



Mounting dimensions

d a min	104 mm	Minimum diameter shaft shoulder
D a max	176 mm	Maximum diameter of housing shoulder
r a max	2,5 mm	Maximum fillet radius

Dimensions

r min	3 mm	Minimum chamfer dimension
D 1	157,18 mm	Shoulder diameter outer ring
D 2	160,74 mm	Caliber diameter outer ring
d 1	123,3 mm	Shoulder diameter inner ring

Temperature range

T min	-20 °C	Operating temperature min.
T max	120 °C	Operating temperature max.

Calculation factors

f 0	13,9	Calculation factor
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Właściwości

	Obciążenie promieniowe
	Obciążenie osiowe jednokierunkowe
	Obciążenie osiowe dwukierunkowe
	Smarowanie dożywotnie, bezobsługowe
	Smarowanie smarem
	Uszczelnienie dwustronne