



FAG

6307-2Z-L038-C3

Deep groove ball bearing

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

Informacje techniczne



Twoja aktualna wersja produktu

Type of Seal	2Z	Non-contact shield on both sides
Cage	JN	Steel sheet metal
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	L038	Grease (L038/customer specific)
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	35 mm	Bore diameter
D	80 mm	Outside diameter
B	21 mm	Width
C _r	35.500 N	Basic dynamic load rating, radial
C _{0r}	19.100 N	Basic static load rating, radial
C _{ur}	1.290 N	Fatigue load limit, radial
n _G	10.500 1/min	Limiting speed
n _{gr}	9.900 1/min	Reference speed
≈m	500,24 g	Masa



Mounting dimensions

$d_{a\ min}$	44 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	71 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	1,5 mm	Maximum fillet radius

Dimensions

$r_{\ min}$	1,5 mm	Minimum chamfer dimension
$D_{\ 1}$	65,6 mm	Shoulder diameter outer ring
$D_{\ 2}$	67,6 mm	Caliber diameter outer ring
$d_{\ 1}$	49,3 mm	Shoulder diameter inner ring

Temperature range

$T_{\ min}$	-20 °C	Operating temperature min.
$T_{\ max}$	120 °C	Operating temperature max.

Calculation factors

$f_{\ 0}$	13,1	Calculation factor
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Właściwości

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