



FAG

686-2Z-HLN

Deep groove ball bearing

Deep groove ball bearing 68...2Z, single row, shields, steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

Logistical code	HLN	-
Sealing	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	Lubricating grease	
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	6 mm	Bore diameter
D	13 mm	Outside diameter
B	5 mm	Width
C _r	1.150 N	Basic dynamic load rating, radial
C _{0r}	440 N	Basic static load rating, radial
C _{ur}	27 N	Fatigue load limit, radial
n _G	61.000 1/min	Limiting speed
n _{gr}	45.500 1/min	Reference speed
≈m	2,68 g	Masa



Mounting dimensions

$d_{a\ min}$	6,8 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	12,2 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	0,15 mm	Maximum fillet radius

Dimensions

$r_{\ min}$	0,15 mm	Minimum chamfer dimension
$D_{\ 1}$	11,1 mm	Shoulder diameter outer ring
$D_{\ 2}$	11,8 mm	Caliber diameter outer ring
$d_{\ 1}$	7,9 mm	Shoulder diameter inner ring

Temperature range

$T_{\ min}$	-30 °C	Operating temperature min.
$T_{\ max}$	120 °C	Operating temperature max.

Calculation factors

$f_{\ 0}$	13,8	Calculation factor
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Właściwości

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