



FAG

638-2Z-HLC

Deep groove ball bearing

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

Informacje techniczne



Twoja aktualna wersja produktu

Logistical code	HLC	-
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	8 mm	Bore diameter
D	28 mm	Outside diameter
B	9 mm	Width
C _r	4.850 N	Basic dynamic load rating, radial
C _{0r}	1.970 N	Basic static load rating, radial
C _{ur}	122 N	Fatigue load limit, radial
n _G	34.500 1/min	Limiting speed
n _{gr}	24.600 1/min	Reference speed
≈m	30,3 g	Masa



Mounting dimensions

$d_{a\min}$	10 mm	Minimum diameter shaft shoulder
$D_{a\max}$	26 mm	Maximum diameter of housing shoulder
$r_{a\max}$	0,3 mm	Maximum fillet radius

Dimensions

$r_{\min}$	0,3 mm	Minimum chamfer dimension
D_1	21,5 mm	Shoulder diameter outer ring
D_2	22,7 mm	Caliber diameter outer ring
d_1	14,5 mm	Shoulder diameter inner ring
d_2	12,7 mm	Caliber diameter inner ring

Temperature range

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

Calculation factors

f_0	12,4	Calculation factor
-------	------	--------------------

Właściwości

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