



FAG

61800-2RZ-HLC

Deep groove ball bearing

Deep groove ball bearing 618...-2RZ, single row, shields, steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

Logistical code	HLC	-
Sealing	2RZ	Non-contact seal 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	10 mm	Bore diameter
D	19 mm	Outside diameter
B	5 mm	Width
C _r	1.820 N	Basic dynamic load rating, radial
C _{0r}	840 N	Basic static load rating, radial
C _{ur}	58 N	Fatigue load limit, radial
n _G	46.000 1/min	Limiting speed
n _{gr}	27.500 1/min	Reference speed
≈m	0,005 kg	Masa



Mounting dimensions

$d_{a\ min}$	12 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	17 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	16,26 mm	Shoulder diameter outer ring
D_2	17,15 mm	Caliber diameter outer ring
d_1	12,74 mm	Shoulder diameter inner ring
d_2	11,8 mm	Caliber diameter inner ring

Temperature range

$T_{\ min}$	-30 °C	Operating temperature min.
$T_{\ max}$	100 °C	Operating temperature max.

Calculation factors

f_0	14,8	Calculation factor
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Właściwości

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