



FAG

6300-B-2DRS-L278-C3

Deep groove ball bearing

Deep groove ball bearing 63...-B-2DRS, single row, seals, steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

Changed internal design	B	Design variant B
Type of Seal	2DRS	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	L278	Grease (L278/customer specific)
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	10 mm	Bore diameter
D	35 mm	Outside diameter
B	11 mm	Width
C _r	8.600 N	Basic dynamic load rating, radial
C _{0r}	3.450 N	Basic static load rating, radial
C _{ur}	315 N	Fatigue load limit, radial
n _G	16.000 1/min	Limiting speed
≈m	53,9 g	Masa



Mounting dimensions

$d_{a\ min}$	14,2 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	30,8 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	0,6 mm	Maximum fillet radius

Dimensions

$r_{\ min}$	0,6 mm	Minimum chamfer dimension
$D_{\ 1}$	26,83 mm	Shoulder diameter outer ring
$D_{\ 2}$	29,03 mm	Caliber diameter outer ring
$d_{\ 1}$	18,17 mm	Shoulder diameter inner ring
$d_{\ 2}$	16,86 mm	Caliber diameter inner ring

Temperature range

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

Calculation factors

$f_{\ 0}$	11,3	Calculation factor
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Właściwości

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