



FAG

16002-A-Z

Deep groove ball bearing

Deep groove ball bearing 160..-A-Z, single row, shield, steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

Changed internal design	A	Design variant A
Sealing	Z	Non-contact shield on one Side
Cage	JN	Steel sheet metal
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	Without	Bearing not greased
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	15 mm	Bore diameter
D	32 mm	Outside diameter
B	8 mm	Width
C _r	5.900 N	Basic dynamic load rating, radial
C _{0r}	2.850 N	Basic static load rating, radial
C _{ur}	191 N	Fatigue load limit, radial
n _G	33.500 1/min	Limiting speed
n _{gr}	20.000 1/min	Reference speed
≈m	27 g	Masa



Mounting dimensions

$d_{a \min}$	17 mm	Minimum diameter shaft shoulder
$D_{a \max}$	30 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	26,8 mm	Shoulder diameter outer ring
D_2	28,8 mm	Caliber diameter outer ring
d_1	20,5 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	14	Calculation factor
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Właściwości

	Obciążenie promieniowe
	Obciążenie osiowe jednokierunkowe
	Obciążenie osiowe dwukierunkowe
	Smarowanie smarem
	Smarowanie olejem
	Uszczelnienie jednostronne