

**FAG****6000-C-HRS-Z-C3>V**

Deep groove ball bearing

Deep groove ball bearing 60...-C-HRS-Z,
single row, Generation C, shield/seal, steel
sheet metal cage

Technical information



Your current product variant

Changed internal design	C	GenerationC
Type of Seal	Z-HRS	Non-contact shield on one Side, Contact seal on the other side
Cage	JN	Steel sheet metal
Tolerance class	P6	Class 6 (ISO 492:2023)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	GA14	Ball bearing grease, low noise
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical
Version code	>V	Not marked on bearing

Main Dimensions & Performance Data

d	10 mm	Bore diameter
D	26 mm	Outside diameter
B	8 mm	Width
C _r	5.300 N	Basic dynamic load rating, radial
C _{0r}	1.970 N	Basic static load rating, radial
C _{ur}	136 N	Fatigue load limit, radial
n _G	28.500 1/min	Limiting speed
≈m	0,018 kg	Weight



Mounting dimensions

$d_{a\ min}$	12 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	24 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	21,34 mm	Shoulder diameter outer ring
D_2	23,09 mm	Caliber diameter outer ring
d_1	14,66 mm	Shoulder diameter inner ring
d_2	13,69 mm	Caliber diameter inner ring

Temperature range

$T_{\min}$	-20 °C	Operating temperature min.
$T_{\max}$	100 °C	Operating temperature max.

Calculation factors

f_0	12,4	Calculation factor
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Characteristics

	Radial load
	Axial load in one direction
	Axial load in two directions
	Grease Lubrication
	Sealed on both sides