



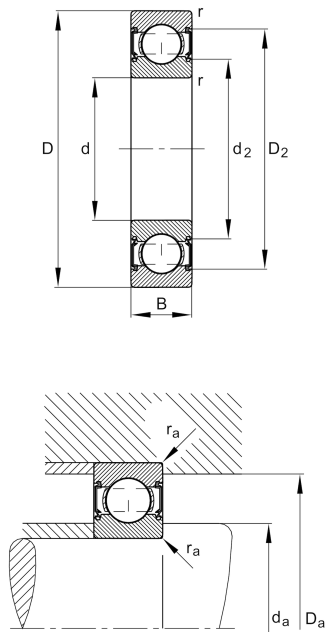
FAG

6001-C-2HRS-L069>V

Deep groove ball bearing

Deep groove ball bearing 60...-C-2HRS, single row, Generation C, seals, steel sheet metal cage

Technical information



Your current product variant

Version code	>V	Not marked on bearing
Changed internal design	C	GenerationC
Type of Seal	2HRS	Contact seal on both sides
Cage	JN	Steel sheet metal
Tolerance class	P6	Class 6 (ISO 492:2023)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	L069	Low noise high-temperature grease, interchangeable with grease L207
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	12 mm	Bore diameter
D	28 mm	Outside diameter
B	8 mm	Width
C _r	5.900 N	Basic dynamic load rating, radial
C _{0r}	2.370 N	Basic static load rating, radial
C _{ur}	164 N	Fatigue load limit, radial
n _G	24.900 1/min	Limiting speed
≈m	0,02 kg	Weight



Mounting dimensions

$d_{a\min}$	14 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	23,34 mm	Shoulder diameter outer ring
D_2	25,1 mm	Caliber diameter outer ring
d_1	16,66 mm	Shoulder diameter inner ring
d_2	15,69 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	13,1	Calculation factor
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Characteristics

-  F_r Radial load
-  F_a Axial load in one direction
-  F_a Axial load in two directions
-  L_h Lifetime lubrication, freedom from maintenance
-  Grease Lubrication
-  Sealed on both sides