

**FAG****6000-C-2Z-L038>V**

Deep groove ball bearing

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

## Technical information



## Your current product variant

Version code	>V	Not marked on bearing
Changed internal design	C	GenerationC
Sealing	2Z	Non-contact shield 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	L038	Grease (L038/customer specific)
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

## Main Dimensions &amp; 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
$n_G$	38.000 1/min	Limiting speed
$n_{gr}$	30.000 1/min	Reference speed
$m$	0,019 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.
$T_{\max}$	120 °C	Operating temperature max.

### Calculation factors

$f_0$	12,4	Calculation factor
-------	------	--------------------

### Characteristics

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