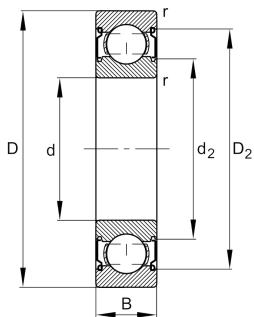


**FAG****6002-C-2Z-L138-CM>V**

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

Changed internal design	C	GenerationC
Type of Seal	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	L138	Grease (L138/customer specific)
Radial internal clearance	CM (Group M)	Internal clearance limited for electric motors
Bore type	Z	Cylindrical
Version code	>V	Not marked on bearing

Main Dimensions & Performance Data

d	15 mm	Bore diameter
D	32 mm	Outside diameter
B	9 mm	Width
C _r	6.300 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	31.500 1/min	Limiting speed
n _{gr}	23.200 1/min	Reference speed
≈m	0,029 kg	Weight



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	26,84 mm	Shoulder diameter outer ring
D_2	28,75 mm	Caliber diameter outer ring
d_1	20,16 mm	Shoulder diameter inner ring
d_2	19,18 mm	Caliber 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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Characteristics

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