

**FAG****6302-C-2HRS-L038>V**

Deep groove ball bearing

Deep groove ball bearing 63...-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
Sealing	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	L038	Grease (L038/customer specific)
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	15 mm	Bore diameter
D	42 mm	Outside diameter
B	13 mm	Width
C _r	13.300 N	Basic dynamic load rating, radial
C _{0r}	5.300 N	Basic static load rating, radial
C _{ur}	370 N	Fatigue load limit, radial
n _G	17.700 1/min	Limiting speed
≈m	0,1 kg	Weight



Mounting dimensions

$d_{a \min}$	20,6 mm	Minimum diameter shaft shoulder
$D_{a \max}$	36,4 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1 mm	Maximum fillet radius

Dimensions

r_{\min}	1 mm	Minimum chamfer dimension
D_1	34,06 mm	Shoulder diameter outer ring
D_2	36 mm	Caliber diameter outer ring
d_1	22,95 mm	Shoulder diameter inner ring
d_2	21,97 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	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