

**FAG****6202-C-2HRS-C3>V** [↗](#)

Deep groove ball bearing

Deep groove ball bearing 62...-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	GA14	Ball bearing grease, low noise
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	15 mm	Bore diameter
D	35 mm	Outside diameter
B	11 mm	Width
C _r	8.900 N	Basic dynamic load rating, radial
C _{0r}	3.750 N	Basic static load rating, radial
C _{ur}	260 N	Fatigue load limit, radial
n _G	19.400 1/min	Limiting speed
≈m	0,044 kg	Weight



Mounting dimensions

$d_{a\min}$	19,2 mm	Minimum diameter shaft shoulder
$D_{a\max}$	30,8 mm	Maximum diameter of housing shoulder
$r_{a\max}$	0,6 mm	Maximum fillet radius

Dimensions

$r_{\min}$	0,6 mm	Minimum chamfer dimension
D_1	29 mm	Shoulder diameter outer ring
D_2	30,92 mm	Caliber diameter outer ring
d_1	21,06 mm	Shoulder diameter inner ring
d_2	20,08 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	13	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