

**FAG****6203-C-2Z-TVH-C3>V**

Deep groove ball bearing

Deep groove ball bearing 62...-C-2Z-TVH, single row, Generation C, shields, plastic 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	TVH	Solid cage made of glass-fiber reinforced polyamid PA66
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	17 mm	Bore diameter
D	40 mm	Outside diameter
B	12 mm	Width
C _r	11.000 N	Basic dynamic load rating, radial
C _{0r}	4.750 N	Basic static load rating, radial
C _{ur}	330 N	Fatigue load limit, radial
n _G	24.600 1/min	Limiting speed
n _{gr}	20.100 1/min	Reference speed
≈m	0,06 kg	Weight



Mounting dimensions

$d_{a \min}$	21,2 mm	Minimum diameter shaft shoulder
$D_{a \max}$	35,8 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	32,9 mm	Shoulder diameter outer ring
D_2	34,84 mm	Caliber diameter outer ring
d_1	24,13 mm	Shoulder diameter inner ring
d_2	22,97 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	13	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