

**FAG****6204-C-HRS-TVH-C4>V**

Deep groove ball bearing

Deep groove ball bearing 62...-C-2HRS-TVH,
single row, Generation C, seal, plastic cage

Technical information



Your current product variant

Version code	>V	Not marked on bearing
Changed internal design	C	GenerationC
Type of Seal	HRS	Contact seal on one side
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	Without	Bearing not greased
Radial internal clearance	C4 (Group 4)	Internal clearance larger than C3
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	20 mm	Bore diameter
D	47 mm	Outside diameter
B	14 mm	Width
C _r	14.700 N	Basic dynamic load rating, radial
C _{0r}	6.600 N	Basic static load rating, radial
C _{ur}	455 N	Fatigue load limit, radial
n _G	14.500 1/min	Limiting speed
≈m	0,095 kg	Weight



Mounting dimensions

$d_{a\min}$	25,6 mm	Minimum diameter shaft shoulder
$D_{a\max}$	41,4 mm	Maximum diameter of housing shoulder
$r_{a\max}$	1 mm	Maximum fillet radius

Dimensions

$r_{\min}$	1 mm	Minimum chamfer dimension
D_1	39,06 mm	Shoulder diameter outer ring
D_2	41 mm	Caliber diameter outer ring
d_1	27,94 mm	Shoulder diameter inner ring
d_2	26,77 mm	Caliber diameter inner ring

Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	100 °C	Operating temperature max.

Calculation factors

f_0	13,1	Calculation factor
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Characteristics

- Radial load
- Axial load in one direction
- Axial load in two directions
- Grease Lubrication
- Oil Lubrication
- Sealed on one side