

**FAG****HC6004-C-2HRS-TVH-L207-C3>V**

Deep groove ball bearing

Deep groove ball bearing HC60...-C-2HRS-TVH, Hybrid bearing, single row, Generation C, seals, plastic cage

## Technical information



## Your current product variant

Version code	>V	Not marked on bearing
Material Bearing	HC	Hybrid bearing, rolling elements ceramic, bearing rings made of steel
Changed internal design	C	GenerationC
Sealing	2HRS	Contact seal 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	L207	Low noise high-temperature grease, interchangeable with grease L069
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical



### Main Dimensions & Performance Data

d	20 mm	Bore diameter
D	42 mm	Outside diameter
B	12 mm	Width
C <sub>r</sub>	10.600 N	Basic dynamic load rating, radial
C <sub>0r</sub>	4.800 N	Basic static load rating, radial
C <sub>ur</sub>	247 N	Fatigue load limit, radial
n <sub>G</sub>	15.300 1/min	Limiting speed
≈m	0,058 kg	Weight

### Mounting dimensions

d <sub>a min</sub>	23,2 mm	Minimum diameter shaft shoulder
D <sub>a max</sub>	38,8 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	0,6 mm	Maximum fillet radius

### Dimensions

r <sub>min</sub>	0,6 mm	Minimum chamfer dimension
D <sub>1</sub>	35,45 mm	Shoulder diameter outer ring
D <sub>2</sub>	37,38 mm	Caliber diameter outer ring
d <sub>1</sub>	26,55 mm	Shoulder diameter inner ring
d <sub>2</sub>	25,38 mm	Caliber diameter inner ring

### Temperature range

T <sub>min</sub>	-30 °C	Operating temperature min.
T <sub>max</sub>	100 °C	Operating temperature max.








### Calculation factors

f <sub>0</sub>	13,2	Calculation factor
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### Characteristics

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