

**FAG****HC6205-C-2HRS-TVH-L207-C3>V**

Deep groove ball bearing

Deep groove ball bearing HC62...-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
Type of Sealing	2HRS	Contact seal on both sides
Cage	TVH	Solid cage made of glass-fiber reinforced polyamid PA66
Tolerance class	P6	Class6 (P6), better then PN
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	25 mm	Bore diameter
D	52 mm	Outside diameter
B	15 mm	Width
C <sub>r</sub>	15.900 N	Basic dynamic load rating, radial
C <sub>0r</sub>	7.500 N	Basic static load rating, radial
C <sub>ur</sub>	385 N	Fatigue load limit, radial
n <sub>G</sub>	12.200 1/min	Limiting speed
≈m	0,11 kg	Weight

### Mounting dimensions

d <sub>a min</sub>	30,6 mm	Minimum diameter shaft shoulder
D <sub>a max</sub>	46,4 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	1 mm	Maximum fillet radius

### Dimensions

r <sub>min</sub>	1 mm	Minimum chamfer dimension
D <sub>1</sub>	44,06 mm	Shoulder diameter outer ring
D <sub>2</sub>	46,01 mm	Caliber diameter outer ring
d <sub>1</sub>	32,94 mm	Shoulder diameter inner ring
d <sub>2</sub>	31,61 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