

**FAG****HC6007-2RSR-TVH-L207-C3** [🔗](#)

Deep groove ball bearing

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

Technical information

**Your current product variant**

Material Bearing	HC	Hybrid bearing, rolling elements ceramic, bearing rings made of steel
Sealing	2RSR	Contact seal on both sides
Cage	TVH	Solid cage made of glass-fiber reinforced polyamid PA66
Tolerance class	PN	Normal (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	35 mm	Bore diameter
D	62 mm	Outside diameter
B	14 mm	Width
C _r	18.200 N	Basic dynamic load rating, radial
C _{0r}	10.300 N	Basic static load rating, radial
C _{ur}	410 N	Fatigue load limit, radial
n _G	6.200 1/min	Limiting speed
≈m	135 g	Weight



Mounting dimensions

$d_{a \min}$	39,6 mm	Minimum diameter shaft shoulder
$D_{a \max}$	57,4 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1 mm	Maximum fillet radius

Dimensions

r_{\min}	1 mm	Minimum chamfer dimension
D_1	53,1 mm	Shoulder diameter outer ring
D_2	55,4 mm	Caliber diameter outer ring
d_1	43,2 mm	Shoulder diameter inner ring

Temperature range

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

Calculation factors

f_0	14,9	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
	Current insulated