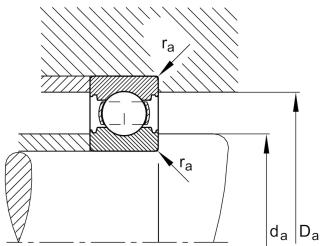
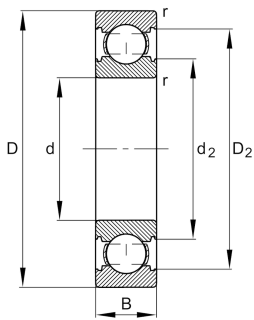


**FAG****6205-C-TVH-C4>V**

Deep groove ball bearing

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

Technical information



Your current product variant

Version code	>V	Not marked on bearing
Changed internal design	C	GenerationC
Sealing	Without	Not sealed
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	25 mm	Bore diameter
D	52 mm	Outside diameter
B	15 mm	Width
C _r	15.900 N	Basic dynamic load rating, radial
C _{0r}	7.800 N	Basic static load rating, radial
C _{ur}	530 N	Fatigue load limit, radial
n _G	21.600 1/min	Limiting speed
n _{gr}	16.000 1/min	Reference speed
≈m	0,112 kg	Weight



Mounting dimensions

$d_{a\min}$	30,6 mm	Minimum diameter shaft shoulder
$D_{a\max}$	46,4 mm	Maximum diameter of housing shoulder
$r_{a\max}$	1 mm	Maximum fillet radius

Dimensions

$r_{\min}$	1 mm	Minimum chamfer dimension
D_1	44,06 mm	Shoulder diameter outer ring
D_2	46,01 mm	Caliber diameter outer ring
d_1	32,94 mm	Shoulder diameter inner ring
d_2	31,61 mm	Caliber diameter inner ring

Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	120 °C	Operating temperature max.

Calculation factors

f_0	13,8	Calculation factor
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Characteristics

	Radial load
	Axial load in one direction
	Axial load in two directions
	Grease Lubrication
	Oil Lubrication
	Not sealed