

**FAG****6205-C-2BRS-TVH-L178-C3>V**

Deep groove ball bearing

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

## Technical information

**Your current product variant**

Version code	>V	Not marked on bearing
Changed internal design	C	GenerationC
Sealing	2BRS	Non-contact seal on both sides
Cage	TVH	Solid cage made of glass-fiber reinforced polyamid PA66
Tolerance class	P6	Class6 (P6), better than PN
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	L178	Grease (L178/customer specific)
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>	7.800 N	Basic static load rating, radial
C <sub>ur</sub>	530 N	Fatigue load limit, radial
n <sub>G</sub>	18.400 1/min	Limiting speed
n <sub>gr</sub>	16.000 1/min	Reference speed
≈m	0,12 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.
$T_{\max}$	100 °C	Operating temperature max.

### Calculation factors

$f_0$	13,8	Calculation factor
-------	------	--------------------

### Characteristics

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