

**FAG****6005-C-2HRS>V**

Deep groove ball bearing

Deep groove ball bearing 60...-C-2HRS, single row, Generation C, seals, steel sheet metal cage

Technical information



Your current product variant

Version code	>V	Not marked on bearing
Changed internal design	C	GenerationC
Sealing	2HRS	Contact seal on both sides
Cage	JN	Steel sheet metal
Tolerance class	P6	Class6 (P6), better than PN
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	GA14	Ball bearing grease, low noise
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	25 mm	Bore diameter
D	47 mm	Outside diameter
B	12 mm	Width
C _r	12,600 N	Basic dynamic load rating, radial
C _{0r}	6,500 N	Basic static load rating, radial
C _{ur}	420 N	Fatigue load limit, radial
n _G	12,900 1/min	Limiting speed
≈m	0.076 kg	Weight



Mounting dimensions

$d_{a\min}$	28.2 mm	Minimum diameter shaft shoulder
$D_{a\max}$	43.8 mm	Maximum diameter of housing shoulder
$r_{a\max}$	0.6 mm	Maximum fillet radius

Dimensions

$r_{\min}$	0.6 mm	Minimum chamfer dimension
D_1	40.73 mm	Shoulder diameter outer ring
D_2	42.66 mm	Caliber diameter outer ring
d_1	31.27 mm	Shoulder diameter inner ring
d_2	29.93 mm	Caliber diameter inner ring

Temperature range

$T_{\min}$	-20 °C	Operating temperature min.
$T_{\max}$	100 °C	Operating temperature max.

Calculation factors

f_0	14.3	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