





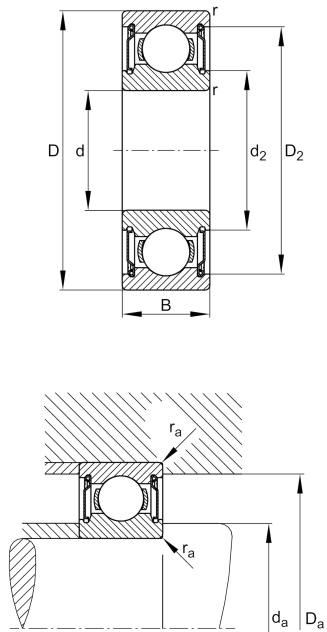
FAG

6005-H-2Z>N

Deep groove ball bearing

Deep groove ball bearing 60...-H-2Z, single row, H-Series, shields, steel sheet metal cage

Technical information



Your current product variant

Version code	>N	Not marked on bearing
Changed internal design	H	Design variant H (H-Series)
Type of Seal	2Z	Non-contact shield on both sides
Cage	JN	Steel sheet metal
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	Lubricating grease	
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	10.070 N	Basic dynamic load rating, radial
C _{0r}	5.850 N	Basic static load rating, radial
C _{ur}	350 N	Fatigue load limit, radial
n _G	18.600 1/min	Limiting speed
n _{gr}	15.200 1/min	Reference speed
≈m	0,083 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	40,1 mm	Shoulder diameter outer ring
D_2	42 mm	Caliber diameter outer ring
d_1	32 mm	Shoulder diameter inner ring
d_2	30,5 mm	Caliber diameter inner ring

Temperature range

$T_{\min}$	-20 °C	Operating temperature min.
$T_{\max}$	120 °C	Operating temperature max.

Calculation factors

f_0	14,6	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