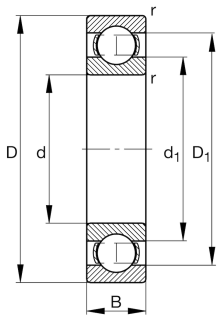


**FAG****697>N**

Deep groove ball bearing

Deep groove ball bearing 69, single row, steel
sheet metal cage

Technical information



Your current product variant

Version code	>N	Not marked on bearing
Type of Sealing	Without	Not sealed
Cage	JN	Steel sheet metal
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	Without	Bearing not greased
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	7 mm	Bore diameter
D	17 mm	Outside diameter
B	5 mm	Width
C _r	1.710 N	Basic dynamic load rating, radial
C _{0r}	710 N	Basic static load rating, radial
C _{ur}	44 N	Fatigue load limit, radial
n _G	60.000 1/min	Limiting speed
n _{gr}	34.000 1/min	Reference speed
m	4,9 g	Weight



Mounting dimensions

$d_{a\ min}$	9 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	15 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	0,3 mm	Maximum fillet radius

Dimensions

$r_{\ min}$	0,3 mm	Minimum chamfer dimension
D_1	13,8 mm	Shoulder diameter outer ring
D_2	14,9 mm	Caliber diameter outer ring
d_1	10,2 mm	Shoulder diameter inner ring
d_2	9,2 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	13,9	Calculation factor
-------	------	--------------------

Characteristics

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