

**FAG****6014-Z**

Deep groove ball bearing

Deep groove ball bearing 60...-Z, single row,
shield , steel sheet metal cage

Technical information



Your current product variant

Sealing	Z	Non-contact shield on one Side
Cage	JN	Steel sheet metal
Tolerance class	PN	Normal (PN)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	Without	Bearing not greased
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	70 mm	Bore diameter
D	110 mm	Outside diameter
B	20 mm	Width
C _r	40,500 N	Basic dynamic load rating, radial
C _{0r}	31,000 N	Basic static load rating, radial
C _{ur}	1,900 N	Fatigue load limit, radial
n _G	8,600 1/min	Limiting speed
n _{gr}	6,800 1/min	Reference speed
≈m	0.595 kg	Weight



Mounting dimensions

$d_{a\min}$	76 mm	Minimum diameter shaft shoulder
$D_{a\max}$	104 mm	Maximum diameter of housing shoulder
$r_{a\max}$	1 mm	Maximum fillet radius

Dimensions

$r_{\min}$	1.1 mm	Minimum chamfer dimension
D_1	97.28 mm	Shoulder diameter outer ring
D_2	100.04 mm	Caliber diameter outer ring
d_1	82.75 mm	Shoulder diameter inner ring

Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	150 °C	Operating temperature max.

Calculation factors

f_0	15.6	Calculation factor
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Characteristics

-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Grease Lubrication
-  Oil Lubrication
-  Sealed on one side