

**FAG****16008-A-C3**

Deep groove ball bearing

Deep groove ball bearing 160..-A, single row,
steel sheet metal cage

Technical information

**Your current product variant**

Changed internal design	A	Design variant A
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	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	40 mm	Bore diameter
D	68 mm	Outside diameter
B	9 mm	Width
C _r	13,400 N	Basic dynamic load rating, radial
C _{0r}	9,700 N	Basic static load rating, radial
C _{ur}	570 N	Fatigue load limit, radial
n _G	15,200 1/min	Limiting speed
n _{gr}	7,800 1/min	Reference speed
≈m	0.127 kg	Weight



Mounting dimensions

$d_{a \min}$	42 mm	Minimum diameter shaft shoulder
$D_{a \max}$	66 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	58.4 mm	Shoulder diameter outer ring
d_1	49.7 mm	Shoulder diameter inner ring

Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	120 °C	Operating temperature max.

Calculation factors

f_0	16	Calculation factor
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Characteristics

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