

**FAG****6008-RSR-C3**

Deep groove ball bearing

Deep groove ball bearing 60...RSR, single row, seal, steel sheet metal cage

## Technical information

**Your current product variant**

Sealing	RSR	Contact seal on one side
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	15 mm	Width
C <sub>r</sub>	17.800 N	Basic dynamic load rating, radial
C <sub>0r</sub>	11.500 N	Basic static load rating, radial
C <sub>ur</sub>	600 N	Fatigue load limit, radial
n <sub>G</sub>	5.400 1/min	Limiting speed
≈m	194,48 g	Weight

**Mounting dimensions**

d <sub>a min</sub>	44,6 mm	Minimum diameter shaft shoulder
D <sub>a max</sub>	63,4 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	1 mm	Maximum fillet radius



## Dimensions

$r_{\min}$	1 mm	Minimum chamfer dimension
$D_1$	59,06 mm	Shoulder diameter outer ring
$D_2$	61,56 mm	Caliber diameter outer ring
$d_1$	49,3 mm	Shoulder diameter inner ring

## Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	100 °C	Operating temperature max.

## Calculation factors

$f_0$	15,2	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