

**FAG****6010-RSR**

Deep groove ball bearing

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

Technical information

**Your current product variant**

Type of Seal	RSR	Contact seal on one side
Cage	JN	Steel sheet metal
Tolerance class	PN	Normal (PN)
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	50 mm	Bore diameter
D	80 mm	Outside diameter
B	16 mm	Width
C_r	22.000 N	Basic dynamic load rating, radial
C_{0r}	15.800 N	Basic static load rating, radial
C_{ur}	800 N	Fatigue load limit, radial
n_G	4.450 1/min	Limiting speed
m	260,1 g	Weight

Mounting dimensions

$d_{a \min}$	54,6 mm	Minimum diameter shaft shoulder
$D_{a \max}$	75,4 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1 mm	Maximum fillet radius



Dimensions

r_{min}	1 mm	Minimum chamfer dimension
D_1	70,2 mm	Shoulder diameter outer ring
D_2	72,94 mm	Caliber diameter outer ring
d_1	59,75 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	15,6	Calculation factor
-------	------	--------------------

Characteristics

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