

**FAG****6020-2RSR-C2**

Deep groove ball bearing

Deep groove ball bearing 60...-2RSR, single row, seals, steel sheet metal cage

## Technical information

**Your current product variant**

Sealing	2RSR	Contact seal on both sides
Cage	JN	Steel sheet metal
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	GA13	Ball bearing and insert bearing grease
Radial internal clearance	C2 (Group 2)	Internal clearance smaller than CN
Bore type	Z	Cylindrical

**Main Dimensions & Performance Data**

d	100 mm	Bore diameter
D	150 mm	Outside diameter
B	24 mm	Width
$C_r$	64.000 N	Basic dynamic load rating, radial
$C_{0r}$	54.000 N	Basic static load rating, radial
$C_{ur}$	3.050 N	Fatigue load limit, radial
$n_G$	2.300 1/min	Limiting speed
$m$	1,32 kg	Weight

**Mounting dimensions**

$d_{a \min}$	107 mm	Minimum diameter shaft shoulder
$D_{a \max}$	143 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1,5 mm	Maximum fillet radius



## Dimensions

$r_{\min}$	1,5 mm	Minimum chamfer dimension
$D_1$	134,12 mm	Shoulder diameter outer ring
$D_2$	137,3 mm	Caliber diameter outer ring
$d_1$	116,2 mm	Shoulder diameter inner ring

## Temperature range

$T_{\min}$	-20 °C	Operating temperature min.
$T_{\max}$	100 °C	Operating temperature max.

## Calculation factors

$f_0$	15,8	Calculation factor
-------	------	--------------------

## Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Lifetime lubrication, freedom from maintenance



Grease Lubrication



Sealed on both sides