

**FAG****6024-2RSR-C3**

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	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

## Main Dimensions &amp; Performance Data

d	120 mm	Bore diameter
D	180 mm	Outside diameter
B	28 mm	Width
C <sub>r</sub>	88.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	77.000 N	Basic static load rating, radial
C <sub>ur</sub>	3.650 N	Fatigue load limit, radial
n <sub>G</sub>	1.920 1/min	Limiting speed
m	2,21 kg	Weight

## Mounting dimensions

d <sub>a min</sub>	128,8 mm	Minimum diameter shaft shoulder
D <sub>a max</sub>	171,2 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	2 mm	Maximum fillet radius



### Dimensions

$r_{min}$	2 mm	Minimum chamfer dimension
$D_1$	161,38 mm	Shoulder diameter outer ring
$D_2$	165,36 mm	Caliber diameter outer ring
$d_1$	139,4 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
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### Characteristics

-   $F_r$  Radial load
-   $F_a$  Axial load in one direction
-   $F_a$  Axial load in two directions
-   $L_h$  Lifetime lubrication, freedom from maintenance
-  Grease Lubrication
-  Sealed on both sides