

**FAG****6012-2RSR**

Deep groove ball bearing

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

## Technical information

**Your current product variant**

Type of Seal	2RSR	Contact seal on both sides
Cage	JN	Steel sheet metal
Tolerance class	PN	Normal (PN)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	GA13	Ball bearing and insert bearing grease
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

**Main Dimensions & Performance Data**

d	60 mm	Bore diameter
D	95 mm	Outside diameter
B	18 mm	Width
C <sub>r</sub>	31.500 N	Basic dynamic load rating, radial
C <sub>0r</sub>	23.200 N	Basic static load rating, radial
C <sub>ur</sub>	1.230 N	Fatigue load limit, radial
n <sub>G</sub>	3.750 1/min	Limiting speed
m	0,419 kg	Weight

**Mounting dimensions**

d <sub>a min</sub>	66 mm	Minimum diameter shaft shoulder
D <sub>a max</sub>	89 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	1 mm	Maximum fillet radius



### Dimensions

$r_{\min}$	1,1 mm	Minimum chamfer dimension
$D_1$	83,88 mm	Shoulder diameter outer ring
$D_2$	85,98 mm	Caliber diameter outer ring
$d_1$	71,325 mm	Shoulder diameter inner ring







### Temperature range

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

### Calculation factors

$f_0$	15,6	Calculation factor
-------	------	--------------------

### 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