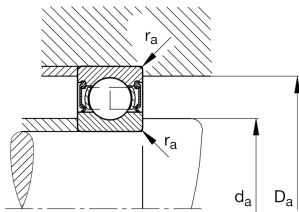
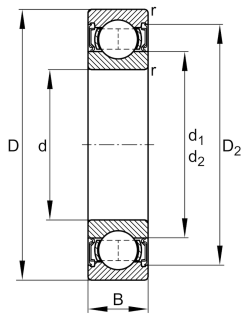


**FAG****6020-RSR**

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 (PN)                             |
| Dimensional / heat stabilization | S0           | Rings dimensional stabilized up to 150° |
| Lubricant                        | Without      | Bearing not greased                     |
| Radial internal clearance        | CN (Group N) | Normal internal clearance               |
| Bore type                        | Z            | Cylindrical                             |

## Main Dimensions &amp; Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 100 mm      | Bore diameter                     |
| D               | 150 mm      | Outside diameter                  |
| B               | 24 mm       | Width                             |
| C <sub>r</sub>  | 64,000 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 54,000 N    | Basic static load rating, radial  |
| C <sub>ur</sub> | 3,050 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 2,300 1/min | Limiting speed                    |
| ≈m              | 1.235 kg    | Weight                            |

## Mounting dimensions

|                    |        |                                      |
|--------------------|--------|--------------------------------------|
| d <sub>a min</sub> | 107 mm | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 143 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 1.5 mm | Maximum fillet radius                |



Dimensions

|                  |           |                              |
|------------------|-----------|------------------------------|
| r <sub>min</sub> | 1.5 mm    | Minimum chamfer dimension    |
| D <sub>1</sub>   | 134.12 mm | Shoulder diameter outer ring |
| D <sub>2</sub>   | 137.3 mm  | Caliber diameter outer ring  |
| d <sub>1</sub>   | 116.2 mm  | Shoulder diameter inner ring |

Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 100 °C | Operating temperature max. |

Calculation factors

|                |      |                    |
|----------------|------|--------------------|
| f <sub>0</sub> | 15.8 | Calculation factor |
|----------------|------|--------------------|

Characteristics

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