

**FAG****6015-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        | 75 mm       | Bore diameter                     |
| D        | 115 mm      | Outside diameter                  |
| B        | 20 mm       | Width                             |
| $C_r$    | 42.000 N    | Basic dynamic load rating, radial |
| $C_{0r}$ | 33.500 N    | Basic static load rating, radial  |
| $C_{ur}$ | 2.020 N     | Fatigue load limit, radial        |
| $n_G$    | 3.050 1/min | Limiting speed                    |
| $m$      | 0,626 kg    | Weight                            |

## Mounting dimensions

|              |        |                                      |
|--------------|--------|--------------------------------------|
| $d_{a \min}$ | 81 mm  | Minimum diameter shaft shoulder      |
| $D_{a \max}$ | 109 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 1 mm   | Maximum fillet radius                |



## Dimensions

|            |           |                              |
|------------|-----------|------------------------------|
| $r_{\min}$ | 1,1 mm    | Minimum chamfer dimension    |
| $D_1$      | 102,58 mm | Shoulder diameter outer ring |
| $D_2$      | 105,34 mm | Caliber diameter outer ring  |
| $d_1$      | 88,05 mm  | Shoulder diameter inner ring |

## Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 100 °C | Operating temperature max. |

## Calculation factors

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

## Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Oil Lubrication



Sealed on one side