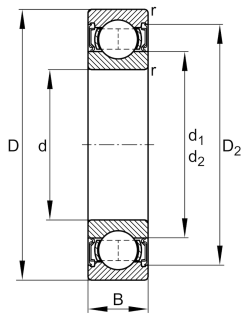


**FAG****6010-2RSR-L038**

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 (ISO 492:2023)                   |
| Dimensional / heat stabilization | SN           | Rings dimensional stabilized up to 120° |
| Lubricant                        | L038         | Grease (L038/customer specific)         |
| Radial internal clearance        | CN (Group N) | Normal internal clearance               |
| Bore type                        | Z            | Cylindrical                             |

## Main Dimensions &amp; Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 50 mm       | Bore diameter                     |
| D               | 80 mm       | Outside diameter                  |
| B               | 16 mm       | Width                             |
| C <sub>r</sub>  | 22.000 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 15.800 N    | Basic static load rating, radial  |
| C <sub>ur</sub> | 800 N       | Fatigue load limit, radial        |
| n <sub>G</sub>  | 4.450 1/min | Limiting speed                    |
| ≈m              | 0,28 kg     | Weight                            |

## Mounting dimensions

|                    |         |                                      |
|--------------------|---------|--------------------------------------|
| d <sub>a min</sub> | 54,6 mm | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 75,4 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 1 mm    | Maximum fillet radius                |



Dimensions

|           |          |                              |
|-----------|----------|------------------------------|
| $r_{min}$ | 1 mm     | Minimum chamfer dimension    |
| $D_1$     | 70,2 mm  | Shoulder diameter outer ring |
| $D_2$     | 72,94 mm | Caliber diameter outer ring  |
| $d_1$     | 59,75 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

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