

**FAG****6020-2Z**

## Deep groove ball bearing

Deep groove ball bearing 60...-2Z, single row, shields, steel sheet metal cage

## Technical information



## Your current product variant

|                                  |              |                                         |
|----------------------------------|--------------|-----------------------------------------|
| Sealing                          | 2Z           | Non-contact shield 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        | 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>  | 5.200 1/min | Limiting speed                    |
| n <sub>gr</sub> | 5.100 1/min | Reference speed                   |
| ≈m              | 1,29 kg     | Weight                            |



Mounting dimensions

|         |        |                                      |
|---------|--------|--------------------------------------|
| d a min | 107 mm | Minimum diameter shaft shoulder      |
| D a max | 143 mm | Maximum diameter of housing shoulder |
| r a max | 1,5 mm | Maximum fillet radius                |

Dimensions

|       |           |                              |
|-------|-----------|------------------------------|
| r min | 1,5 mm    | Minimum chamfer dimension    |
| D 1   | 134,12 mm | Shoulder diameter outer ring |
| D 2   | 137,3 mm  | Caliber diameter outer ring  |
| d 1   | 116,2 mm  | Shoulder diameter inner ring |

Temperature range

|       |        |                            |
|-------|--------|----------------------------|
| T min | -20 °C | Operating temperature min. |
| T max | 120 °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                   |
|  | Lifetime lubrication, freedom from maintenance |
|  | Grease Lubrication                             |
|  | Sealed on both sides                           |