

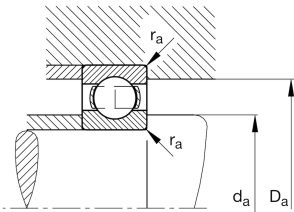
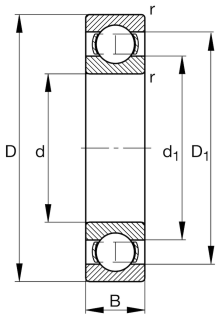
FAG

6032-M-C3

Deep groove ball bearing

Deep groove ball bearing 60...-M, single row, solid brass cage

Technical information



Your current product variant

|                                  |              |                                          |
|----------------------------------|--------------|------------------------------------------|
| Sealing                          | Without      | Not sealed                               |
| Cage                             | M            | Solid brass cage, rolling element guided |
| Tolerance class                  | PN           | Normal (PN)                              |
| Dimensional / heat stabilization | S0           | Rings dimensional stabilized up to 150°  |
| Lubricant                        | Without      | Bearing not greased                      |
| Radial internal clearance        | C3 (Group 3) | Internal clearance larger than CN        |
| Bore type                        | Z            | Cylindrical                              |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 160 mm      | Bore diameter                     |
| D               | 240 mm      | Outside diameter                  |
| B               | 38 mm       | Width                             |
| C <sub>r</sub>  | 142,000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 136,000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 6,000 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 4,800 1/min | Limiting speed                    |
| n <sub>gr</sub> | 3,750 1/min | Reference speed                   |
| ≈m              | 6.1 kg      | Weight                            |



Mounting dimensions

|             |          |                                      |
|-------------|----------|--------------------------------------|
| $d_{a\min}$ | 170.2 mm | Minimum diameter shaft shoulder      |
| $D_{a\max}$ | 229.8 mm | Maximum diameter of housing shoulder |
| $r_{a\max}$ | 2.1 mm   | Maximum fillet radius                |

Dimensions

|            |           |                              |
|------------|-----------|------------------------------|
| $r_{\min}$ | 2.1 mm    | Minimum chamfer dimension    |
| $D_1$      | 214.64 mm | Shoulder diameter outer ring |
| $d_1$      | 186.2 mm  | Shoulder diameter inner ring |

Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 150 °C | Operating temperature max. |

Calculation factors

|       |    |                    |
|-------|----|--------------------|
| $f_0$ | 16 | Calculation factor |
|-------|----|--------------------|

Characteristics

-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed