

**FAG****6232-M-C4**

Deep groove ball bearing

Deep groove ball bearing 62...-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 (ISO 492:2023)                    |
| Dimensional / heat stabilization | S1           | Rings dimensional stabilized up to 200°  |
| Lubricant                        | Without      | Bearing not greased                      |
| Radial internal clearance        | C4 (Group 4) | Internal clearance larger than C3        |
| Bore type                        | Z            | Cylindrical                              |

## Main Dimensions &amp; Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 160 mm      | Bore diameter                     |
| D               | 290 mm      | Outside diameter                  |
| B               | 48 mm       | Width                             |
| C <sub>r</sub>  | 212.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 203.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 9.100 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 4.050 1/min | Limiting speed                    |
| n <sub>gr</sub> | 3.100 1/min | Reference speed                   |
| m               | 14,38 kg    | Weight                            |



### Mounting dimensions

|              |        |                                      |
|--------------|--------|--------------------------------------|
| $d_{a \min}$ | 174 mm | Minimum diameter shaft shoulder      |
| $D_{a \max}$ | 276 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 2,5 mm | Maximum fillet radius                |

### Dimensions

|            |           |                              |
|------------|-----------|------------------------------|
| $r_{\min}$ | 3 mm      | Minimum chamfer dimension    |
| $D_1$      | 244,95 mm | Shoulder diameter outer ring |
| $d_1$      | 204,94 mm | Shoulder diameter inner ring |

### Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 200 °C | Operating temperature max. |

### Calculation factors

|       |      |                    |
|-------|------|--------------------|
| $f_0$ | 15,2 | Calculation factor |
|-------|------|--------------------|

### Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Oil Lubrication



Not sealed