

**FAG****6212-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 | S0           | Rings dimensional stabilized up to 150°  |
| 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        | 60 mm        | Bore diameter                     |
| D        | 110 mm       | Outside diameter                  |
| B        | 22 mm        | Width                             |
| $C_r$    | 57.000 N     | Basic dynamic load rating, radial |
| $C_{0r}$ | 36.500 N     | Basic static load rating, radial  |
| $C_{ur}$ | 2.550 N      | Fatigue load limit, radial        |
| $n_G$    | 12.100 1/min | Limiting speed                    |
| $n_{gr}$ | 6.800 1/min  | Reference speed                   |
| $m$      | 0,93 kg      | Weight                            |



### Mounting dimensions

|              |        |                                      |
|--------------|--------|--------------------------------------|
| $d_{a \min}$ | 69 mm  | Minimum diameter shaft shoulder      |
| $D_{a \max}$ | 101 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 1,5 mm | Maximum fillet radius                |

### Dimensions

|            |          |                              |
|------------|----------|------------------------------|
| $r_{\min}$ | 1,5 mm   | Minimum chamfer dimension    |
| $D_1$      | 95,82 mm | Shoulder diameter outer ring |
| $D_2$      | 97,68 mm | Caliber diameter outer ring  |
| $d_1$      | 75,75 mm | Shoulder diameter inner ring |

### Temperature range

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

### Calculation factors

|       |      |                    |
|-------|------|--------------------|
| $f_0$ | 14,5 | Calculation factor |
|-------|------|--------------------|

### Characteristics

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