



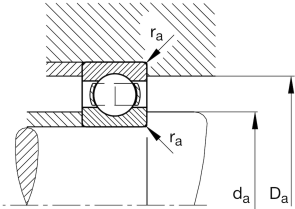
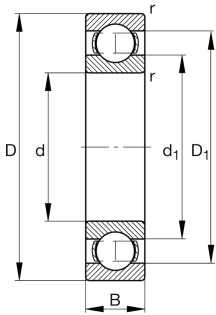
FAG

6222-C3 [🔗](#)

Deep groove ball bearing

Deep groove ball bearing 62, single row, steel  
sheet metal cage

Technical information



Your current product variant

|                                  |              |                                         |
|----------------------------------|--------------|-----------------------------------------|
| Sealing                          | Without      | Not sealed                              |
| Cage                             | JN           | Steel sheet metal                       |
| 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               | 110 mm      | Bore diameter                     |
| D               | 200 mm      | Outside diameter                  |
| B               | 38 mm       | Width                             |
| C <sub>r</sub>  | 153,000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 117,000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 6,500 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 4,450 1/min | Limiting speed                    |
| n <sub>gr</sub> | 4,500 1/min | Reference speed                   |
| ≈m              | 4.64 kg     | Weight                            |



Mounting dimensions

|             |        |                                      |
|-------------|--------|--------------------------------------|
| $d_{a\min}$ | 122 mm | Minimum diameter shaft shoulder      |
| $D_{a\max}$ | 188 mm | Maximum diameter of housing shoulder |
| $r_{a\max}$ | 2.1 mm | Maximum fillet radius                |

Dimensions

|            |           |                              |
|------------|-----------|------------------------------|
| $r_{\min}$ | 2.1 mm    | Minimum chamfer dimension    |
| $D_1$      | 171.68 mm | Shoulder diameter outer ring |
| $d_1$      | 138.42 mm | Shoulder diameter inner ring |

Temperature range

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

Calculation factors

|       |      |                    |
|-------|------|--------------------|
| $f_0$ | 14.3 | Calculation factor |
|-------|------|--------------------|

Characteristics

- 

Radial load
- 

Axial load in one direction
- 

Axial load in two directions
- 

Grease Lubrication
- 

Oil Lubrication
- 

Not sealed