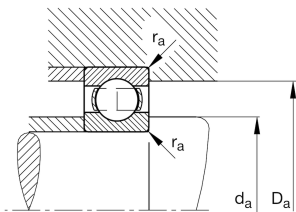
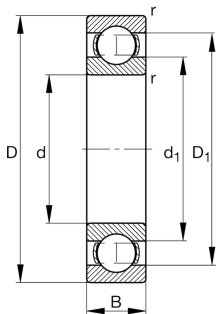


**FAG****6316**

Deep groove ball bearing

Deep groove ball bearing 63, 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        | CN (Group N) | Normal internal clearance               |
| Bore type                        | Z            | Cylindrical                             |

## Main Dimensions &amp; Performance Data

|             |             |                                   |
|-------------|-------------|-----------------------------------|
| d           | 80 mm       | Bore diameter                     |
| D           | 170 mm      | Outside diameter                  |
| B           | 39 mm       | Width                             |
| $C_r$       | 131,000 N   | Basic dynamic load rating, radial |
| $C_{0r}$    | 87,000 N    | Basic static load rating, radial  |
| $C_{ur}$    | 5,400 N     | Fatigue load limit, radial        |
| $n_G$       | 5,400 1/min | Limiting speed                    |
| $n_{gr}$    | 5,500 1/min | Reference speed                   |
| $\approx m$ | 3.75 kg     | Weight                            |



Mounting dimensions

|             |        |                                      |
|-------------|--------|--------------------------------------|
| $d_{a\min}$ | 92 mm  | Minimum diameter shaft shoulder      |
| $D_{a\max}$ | 158 mm | Maximum diameter of housing shoulder |
| $r_{a\max}$ | 2.1 mm | Maximum fillet radius                |

Dimensions

|            |           |                              |
|------------|-----------|------------------------------|
| $r_{\min}$ | 2.1 mm    | Minimum chamfer dimension    |
| $D_1$      | 141.92 mm | Shoulder diameter outer ring |
| $d_1$      | 108.56 mm | Shoulder diameter inner ring |

Temperature range

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

Calculation factors

|       |      |                    |
|-------|------|--------------------|
| $f_0$ | 13.3 | Calculation factor |
|-------|------|--------------------|

Characteristics

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