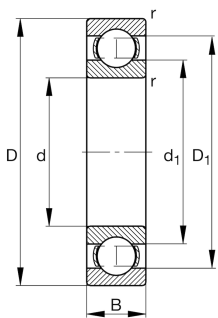
**FAG****6036-M**

## Deep groove ball bearing

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

## Technical information



## Your current product variant

|                                  |              |                                          |
|----------------------------------|--------------|------------------------------------------|
| Type of Seal                     | 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        | CN (Group N) | Normal internal clearance                |
| Bore type                        | Z            | Cylindrical                              |

## Main Dimensions &amp; Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 180 mm      | Bore diameter                     |
| D               | 280 mm      | Outside diameter                  |
| B               | 46 mm       | Width                             |
| C <sub>r</sub>  | 201.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 199.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 8.400 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 4.050 1/min | Limiting speed                    |
| n <sub>gr</sub> | 3.300 1/min | Reference speed                   |
| ≈m              | 10,6 kg     | Weight                            |



Mounting dimensions

|             |          |                                      |
|-------------|----------|--------------------------------------|
| $d_{a\min}$ | 190,2 mm | Minimum diameter shaft shoulder      |
| $D_{a\max}$ | 269,8 mm | Maximum diameter of housing shoulder |
| $r_{a\max}$ | 2,1 mm   | Maximum fillet radius                |

Dimensions

|            |           |                              |
|------------|-----------|------------------------------|
| $r_{\min}$ | 2,1 mm    | Minimum chamfer dimension    |
| $D_1$      | 249,25 mm | Shoulder diameter outer ring |
| $d_1$      | 211,8 mm  | Shoulder diameter inner ring |

Temperature range

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

Calculation factors

|       |      |                    |
|-------|------|--------------------|
| $f_0$ | 15,6 | Calculation factor |
|-------|------|--------------------|

Characteristics

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