



FAG

6010-M-C3

Deep groove ball bearing

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

Informacje techniczne



Twoja aktualna wersja produktu

|                                  |              |                                          |
|----------------------------------|--------------|------------------------------------------|
| Sealing                          | Without      | Not sealed                               |
| Cage                             | M            | Solid brass cage, rolling element guided |
| Tolerance class                  | PN           | Normal (ISO 492:2023)                    |
| Dimensional / heat stabilization | SN           | Rings dimensional stabilized up to 120°  |
| 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               | 50 mm        | Bore diameter                     |
| D               | 80 mm        | Outside diameter                  |
| B               | 16 mm        | Width                             |
| C <sub>r</sub>  | 22.000 N     | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 15.800 N     | Basic static load rating, radial  |
| C <sub>ur</sub> | 800 N        | Fatigue load limit, radial        |
| n <sub>G</sub>  | 15.900 1/min | Limiting speed                    |
| n <sub>gr</sub> | 8.900 1/min  | Reference speed                   |
| ≈m              | 0,33 kg      | Masa                              |



### Mounting dimensions

|              |         |                                      |
|--------------|---------|--------------------------------------|
| $d_{a \min}$ | 54,6 mm | Minimum diameter shaft shoulder      |
| $D_{a \max}$ | 75,4 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 1 mm    | Maximum fillet radius                |

### Dimensions

|            |          |                              |
|------------|----------|------------------------------|
| $r_{\min}$ | 1 mm     | Minimum chamfer dimension    |
| $D_1$      | 70,2 mm  | Shoulder diameter outer ring |
| $D_2$      | 72,94 mm | Caliber diameter outer ring  |
| $d_1$      | 59,75 mm | Shoulder diameter inner ring |

### Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 120 °C | Operating temperature max. |

### Calculation factors

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

### Właściwości

|                                                                                     |                                   |
|-------------------------------------------------------------------------------------|-----------------------------------|
|  | Obciążenie promieniowe            |
|  | Obciążenie osiowe jednokierunkowe |
|  | Obciążenie osiowe dwukierunkowe   |
|  | Smarowanie smarem                 |
|  | Smarowanie olejem                 |
|  | Bez uszczelnienia                 |