



FAG

61844-M-C3

Deep groove ball bearing

Deep groove ball bearing 618...-M, single row, solid brass cage

Informacje techniczne



Twoja aktualna wersja produktu

|                                  |              |                                          |
|----------------------------------|--------------|------------------------------------------|
| 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        | C3 (Group 3) | Internal clearance larger than CN        |
| Bore type                        | Z            | Cylindrical                              |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 220 mm      | Bore diameter                     |
| D               | 270 mm      | Outside diameter                  |
| B               | 24 mm       | Width                             |
| C <sub>r</sub>  | 78.000 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 97.000 N    | Basic static load rating, radial  |
| C <sub>ur</sub> | 3.650 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 4.150 1/min | Limiting speed                    |
| n <sub>gr</sub> | 2.320 1/min | Reference speed                   |
| ≈m              | 3,125 kg    | Masa                              |



### Mounting dimensions

|              |        |                                      |
|--------------|--------|--------------------------------------|
| $d_{a\ min}$ | 227 mm | Minimum diameter shaft shoulder      |
| $D_{a\ max}$ | 263 mm | Maximum diameter of housing shoulder |
| $r_{a\ max}$ | 1,5 mm | Maximum fillet radius                |

### Dimensions

|             |           |                              |
|-------------|-----------|------------------------------|
| $r_{\ min}$ | 1,5 mm    | Minimum chamfer dimension    |
| $D_1$       | 255 mm    | Shoulder diameter outer ring |
| $d_1$       | 235,85 mm | Shoulder diameter inner ring |

### Temperature range

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

### Calculation factors

|       |      |                    |
|-------|------|--------------------|
| $f_0$ | 15,8 | Calculation factor |
|-------|------|--------------------|

### Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia