



FAG

61944-M

Deep groove ball bearing

Deep groove ball bearing 619..-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 | 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 & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 220 mm      | Bore diameter                     |
| D               | 300 mm      | Outside diameter                  |
| B               | 38 mm       | Width                             |
| C <sub>r</sub>  | 186.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 202.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 7.100 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 3.700 1/min | Limiting speed                    |
| n <sub>gr</sub> | 2.600 1/min | Reference speed                   |
| ≈m              | 7,67 kg     | Masa                              |



### Mounting dimensions

|              |          |                                      |
|--------------|----------|--------------------------------------|
| $d_{a \min}$ | 230,2 mm | Minimum diameter shaft shoulder      |
| $D_{a \max}$ | 289,8 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 2,1 mm   | Maximum fillet radius                |

### Dimensions

|            |           |                              |
|------------|-----------|------------------------------|
| $r_{\min}$ | 2,1 mm    | Minimum chamfer dimension    |
| $D_1$      | 276,45 mm | Shoulder diameter outer ring |
| $d_1$      | 244,35 mm | Shoulder diameter inner ring |

### Temperature range

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

### Calculation factors

|       |      |                    |
|-------|------|--------------------|
| $f_0$ | 16,4 | Calculation factor |
|-------|------|--------------------|

### Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia