



FAG

61948-M-C3

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

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 240 mm      | Bore diameter                     |
| D               | 320 mm      | Outside diameter                  |
| B               | 38 mm       | Width                             |
| C <sub>r</sub>  | 211.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 240.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 8.600 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 3.400 1/min | Limiting speed                    |
| n <sub>gr</sub> | 2.330 1/min | Reference speed                   |
| ≈m              | 8,39 kg     | Masa                              |



Mounting dimensions

|                    |          |                                      |
|--------------------|----------|--------------------------------------|
| d <sub>a min</sub> | 250,2 mm | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 309,8 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 2,1 mm   | Maximum fillet radius                |

Dimensions

|                  |           |                              |
|------------------|-----------|------------------------------|
| r <sub>min</sub> | 2,1 mm    | Minimum chamfer dimension    |
| D <sub>1</sub>   | 298 mm    | Shoulder diameter outer ring |
| d <sub>1</sub>   | 262,85 mm | Shoulder diameter inner ring |

Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 200 °C | Operating temperature max. |

Calculation factors

|                |      |                    |
|----------------|------|--------------------|
| f <sub>0</sub> | 16,3 | Calculation factor |
|----------------|------|--------------------|

Właściwości

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