



FAG

61996-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               | 480 mm      | Bore diameter                     |
| D               | 650 mm      | Outside diameter                  |
| B               | 78 mm       | Width                             |
| C <sub>r</sub>  | 445.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 810.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 19.000 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 1.630 1/min | Limiting speed                    |
| n <sub>gr</sub> | 1.130 1/min | Reference speed                   |
| ≈m              | 74,8 kg     | Masa                              |



Mounting dimensions

|                    |        |                                      |
|--------------------|--------|--------------------------------------|
| d <sub>a min</sub> | 498 mm | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 632 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 4 mm   | Maximum fillet radius                |

Dimensions

|                  |          |                              |
|------------------|----------|------------------------------|
| r <sub>min</sub> | 5 mm     | Minimum chamfer dimension    |
| D <sub>1</sub>   | 595,7 mm | Shoulder diameter outer ring |
| d <sub>1</sub>   | 535,9 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> | 16,5 | Calculation factor |
|----------------|------|--------------------|

Właściwości

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