



FAG

61814-2RSR

Deep groove ball bearing

Deep groove ball bearing 618...-2RSR, single row, seals, steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

|                                  |              |                                         |
|----------------------------------|--------------|-----------------------------------------|
| Sealing                          | 2RSR         | Contact seal on both sides              |
| Cage                             | JN           | Steel sheet metal                       |
| Tolerance class                  | PN           | Normal (ISO 492:2023)                   |
| Dimensional / heat stabilization | SN           | Rings dimensional stabilized up to 120° |
| Lubricant                        | GA13         | Ball bearing and insert bearing grease  |
| Radial internal clearance        | CN (Group N) | Normal internal clearance               |
| Bore type                        | Z            | Cylindrical                             |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 70 mm       | Bore diameter                     |
| D               | 90 mm       | Outside diameter                  |
| B               | 10 mm       | Width                             |
| C <sub>r</sub>  | 13.200 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 12.400 N    | Basic static load rating, radial  |
| C <sub>ur</sub> | 820 N       | Fatigue load limit, radial        |
| n <sub>G</sub>  | 3.500 1/min | Limiting speed                    |
| m               | 0,139 kg    | Masa                              |

Mounting dimensions

|                    |         |                                      |
|--------------------|---------|--------------------------------------|
| d <sub>a min</sub> | 73,2 mm | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 86,8 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 0,6 mm  | Maximum fillet radius                |



Dimensions

|                  |          |                              |
|------------------|----------|------------------------------|
| r <sub>min</sub> | 0,6 mm   | Minimum chamfer dimension    |
| D <sub>1</sub>   | 83,57 mm | Shoulder diameter outer ring |
| D <sub>2</sub>   | 85,5 mm  | Caliber diameter outer ring  |
| d <sub>1</sub>   | 76,6 mm  | Shoulder diameter inner ring |

Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -20 °C | Operating temperature min. |
| T <sub>max</sub> | 100 °C | Operating temperature max. |

Calculation factors

|                |      |                    |
|----------------|------|--------------------|
| f <sub>0</sub> | 16,1 | Calculation factor |
|----------------|------|--------------------|

Właściwości

|                                                                                     |                                     |
|-------------------------------------------------------------------------------------|-------------------------------------|
|  | Obciążenie promieniowe              |
|  | Obciążenie osiowe jednokierunkowe   |
|  | Obciążenie osiowe dwukierunkowe     |
|  | Smarowanie dożywotnie, bezobsługowe |
|  | Smarowanie smarem                   |
|  | Uszczelnienie dwustronne            |