



FAG

61819-2RSR

Deep groove ball bearing

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

Informacje techniczne



Twoja aktualna wersja produktu

|                                  |              |                                         |
|----------------------------------|--------------|-----------------------------------------|
| Type of Seal                     | 2RSR         | Contact seal on both sides              |
| Cage                             | JN           | Steel sheet metal                       |
| Tolerance class                  | PN           | Normal (ISO 492:2023)                   |
| Dimensional / heat stabilization | S0           | Rings dimensional stabilized up to 150° |
| 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               | 95 mm       | Bore diameter                     |
| D               | 120 mm      | Outside diameter                  |
| B               | 13 mm       | Width                             |
| C <sub>r</sub>  | 21.000 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 21.300 N    | Basic static load rating, radial  |
| C <sub>ur</sub> | 1.230 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 2.600 1/min | Limiting speed                    |
| ≈m              | 0,302 kg    | Masa                              |

Mounting dimensions

|                    |          |                                      |
|--------------------|----------|--------------------------------------|
| d <sub>a min</sub> | 99,6 mm  | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 115,4 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 1 mm     | Maximum fillet radius                |



### Dimensions

|            |           |                              |
|------------|-----------|------------------------------|
| $r_{\min}$ | 1 mm      | Minimum chamfer dimension    |
| $D_1$      | 112,07 mm | Shoulder diameter outer ring |
| $D_2$      | 114,2 mm  | Caliber diameter outer ring  |
| $d_1$      | 103,2 mm  | Shoulder diameter inner ring |

### Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -20 °C | Operating temperature min. |
| $T_{\max}$ | 100 °C | Operating temperature max. |

### Calculation factors

|       |      |                    |
|-------|------|--------------------|
| $f_0$ | 16,1 | Calculation factor |
|-------|------|--------------------|

### Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie dożywotnie, bezobsługowe



Smarowanie smarem



Uszczelnienie dwustronne