



FAG

6303-RSR-C3

Deep groove ball bearing

Deep groove ball bearing 63...-RSR, single row, seal, steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

|                                  |              |                                         |
|----------------------------------|--------------|-----------------------------------------|
| Sealing                          | RSR          | Contact seal on one side                |
| Cage                             | JN           | Steel sheet metal                       |
| Tolerance class                  | PN           | Normal (ISO 492:2023)                   |
| Dimensional / heat stabilization | SN           | Rings dimensional stabilized up to 120° |
| 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               | 17 mm        | Bore diameter                     |
| D               | 47 mm        | Outside diameter                  |
| B               | 14 mm        | Width                             |
| C <sub>r</sub>  | 14.400 N     | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 6.500 N      | Basic static load rating, radial  |
| C <sub>ur</sub> | 435 N        | Fatigue load limit, radial        |
| n <sub>G</sub>  | 10.200 1/min | Limiting speed                    |
| ≈m              | 110 g        | Masa                              |

Mounting dimensions

|                    |         |                                      |
|--------------------|---------|--------------------------------------|
| d <sub>a min</sub> | 22,6 mm | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 41,4 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 1 mm    | Maximum fillet radius                |



Dimensions

|                  |          |                              |
|------------------|----------|------------------------------|
| r <sub>min</sub> | 1 mm     | Minimum chamfer dimension    |
| D <sub>1</sub>   | 37,87 mm | Shoulder diameter outer ring |
| D <sub>2</sub>   | 39,28 mm | Caliber diameter outer ring  |
| d <sub>1</sub>   | 26,2 mm  | Shoulder diameter inner ring |

Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 100 °C | Operating temperature max. |

Calculation factors

|                |      |                    |
|----------------|------|--------------------|
| f <sub>0</sub> | 12,2 | Calculation factor |
|----------------|------|--------------------|

Właściwości

|  |                                   |
|--|-----------------------------------|
|  | Obciążenie promieniowe            |
|  | Obciążenie osiowe jednokierunkowe |
|  | Obciążenie osiowe dwukierunkowe   |
|  | Smarowanie smarem                 |
|  | Smarowanie olejem                 |
|  | Uszczelnienie jednostronne        |