

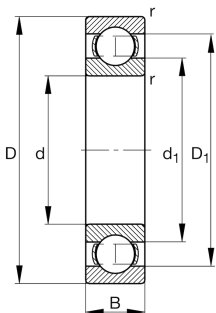
FAG

6312-M-J20AA-C3

Deep groove ball bearing

Deep groove ball bearing 63.-M-J20AA, single row, solid brass cage, ceramic coated

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 | S0           | Rings dimensional stabilized up to 150°       |
| Lubricant                        | Without      | Bearing not greased                           |
| Radial internal clearance        | C3 (Group 3) | Internal clearance larger than CN             |
| Bore type                        | Z            | Cylindrical                                   |
| Coating                          | J20AA        | Current insulation, outer ring ceramic coated |

Main Dimensions & Performance Data

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 60 mm        | Bore diameter                     |
| D               | 130 mm       | Outside diameter                  |
| B               | 31 mm        | Width                             |
| C <sub>r</sub>  | 89.000 N     | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 52.000 N     | Basic static load rating, radial  |
| C <sub>ur</sub> | 3.600 N      | Fatigue load limit, radial        |
| n <sub>G</sub>  | 10.300 1/min | Limiting speed                    |
| n <sub>gr</sub> | 6.700 1/min  | Reference speed                   |
| ≈m              | 2 kg         | Masa                              |



### Mounting dimensions

|              |        |                                      |
|--------------|--------|--------------------------------------|
| $d_{a\ min}$ | 72 mm  | Minimum diameter shaft shoulder      |
| $D_{a\ max}$ | 118 mm | Maximum diameter of housing shoulder |
| $r_{a\ max}$ | 2,1 mm | Maximum fillet radius                |

### Dimensions

|             |          |                              |
|-------------|----------|------------------------------|
| $r_{\ min}$ | 2,1 mm   | Minimum chamfer dimension    |
| $D_1$       | 108,9 mm | Shoulder diameter outer ring |
| $d_1$       | 81,25 mm | Shoulder diameter inner ring |

### Temperature range

|             |        |                            |
|-------------|--------|----------------------------|
| $T_{\ min}$ | -30 °C | Operating temperature min. |
| $T_{\ max}$ | 150 °C | Operating temperature max. |

### Calculation factors

|       |      |                    |
|-------|------|--------------------|
| $f_0$ | 13,2 | Calculation factor |
|-------|------|--------------------|

### Właściwości

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