



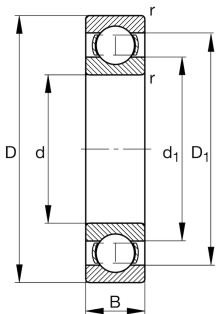
FAG

6204-TB-P6-C3

Deep groove ball bearing

Deep groove ball bearing 63...TB, single row, solid laminated fabric cage

Informacje techniczne



Twoja aktualna wersja produktu

|                                  |              |                                                |
|----------------------------------|--------------|------------------------------------------------|
| Sealing                          | Without      | Not sealed                                     |
| Cage                             | TB           | Solid laminated fabric cage, inner ring guided |
| Tolerance class                  | P6           | Class 6 (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               | 20 mm        | Bore diameter                     |
| D               | 47 mm        | Outside diameter                  |
| B               | 14 mm        | Width                             |
| C <sub>r</sub>  | 13.600 N     | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 6.600 N      | Basic static load rating, radial  |
| C <sub>ur</sub> | 455 N        | Fatigue load limit, radial        |
| n <sub>G</sub>  | 22.100 1/min | Limiting speed                    |
| n <sub>gr</sub> | 16.300 1/min | Reference speed                   |
| ≈m              | 0,1 kg       | Masa                              |



### Mounting dimensions

|              |         |                                      |
|--------------|---------|--------------------------------------|
| $d_{a \min}$ | 25,6 mm | Minimum diameter shaft shoulder      |
| $D_{a \max}$ | 41,4 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 1 mm    | Maximum fillet radius                |

### Dimensions

|            |          |                              |
|------------|----------|------------------------------|
| $r_{\min}$ | 1 mm     | Minimum chamfer dimension    |
| $D_1$      | 38,45 mm | Shoulder diameter outer ring |
| $D_2$      | 40,96 mm | Caliber diameter outer ring  |
| $d_1$      | 28,75 mm | Shoulder diameter inner ring |

### Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 120 °C | Operating temperature max. |

### Calculation factors

|       |      |                    |
|-------|------|--------------------|
| $f_0$ | 13,1 | Calculation factor |
|-------|------|--------------------|

### Właściwości

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