



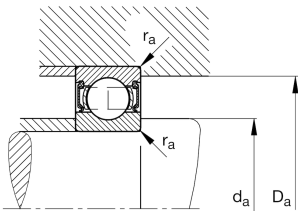
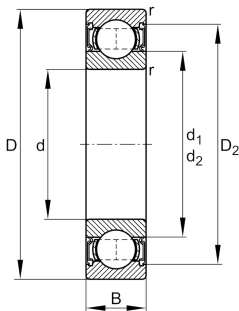
FAG

S6005-2RSR-FD>N

Deep groove ball bearing

Deep groove ball bearing S60..-2RS-FD, corrosion-resistant materials, for Food industry, single row, seals, steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

|                                  |              |                                                 |
|----------------------------------|--------------|-------------------------------------------------|
| Version code                     | >N           | Not marked on bearing                           |
| Material Bearing                 | S            | Stainless steel                                 |
| Type of Seal                     | 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                        | FD           | Grease with food application approval to NSF H1 |
| Radial internal clearance        | CN (Group N) | Normal internal clearance                       |
| Bore type                        | Z            | Cylindrical                                     |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 25 mm       | Bore diameter                     |
| D               | 47 mm       | Outside diameter                  |
| B               | 12 mm       | Width                             |
| C <sub>r</sub>  | 10.700 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 5.900 N     | Basic static load rating, radial  |
| C <sub>ur</sub> | 365 N       | Fatigue load limit, radial        |
| n <sub>G</sub>  | 8.400 1/min | Limiting speed                    |
| ≈m              | 0,077 kg    | Masa                              |



### Mounting dimensions

|              |         |                                      |
|--------------|---------|--------------------------------------|
| $d_{a \min}$ | 28,2 mm | Minimum diameter shaft shoulder      |
| $D_{a \max}$ | 43,8 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 0,6 mm  | Maximum fillet radius                |

### Dimensions

|            |         |                              |
|------------|---------|------------------------------|
| $r_{\min}$ | 0,6 mm  | Minimum chamfer dimension    |
| $D_1$      | 40,1 mm | Shoulder diameter outer ring |
| $D_2$      | 42 mm   | Caliber diameter outer ring  |
| $d_1$      | 31,9 mm | Shoulder diameter inner ring |

### Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 100 °C | Operating temperature max. |

### Calculation factors

|       |      |                    |
|-------|------|--------------------|
| $f_0$ | 14,6 | Calculation factor |
|-------|------|--------------------|

### Właściwości

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