



FAG

6003-2RSR-L038-C3

Deep groove ball bearing

Deep groove ball bearing 60...-2RSR, single row, seals, steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

|                                  |              |                                         |
|----------------------------------|--------------|-----------------------------------------|
| Sealing                          | 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                        | L038         | Grease (L038/customer specific)         |
| 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               | 35 mm        | Outside diameter                  |
| B               | 10 mm        | Width                             |
| C <sub>r</sub>  | 6.400 N      | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 3.250 N      | Basic static load rating, radial  |
| C <sub>ur</sub> | 162 N        | Fatigue load limit, radial        |
| n <sub>G</sub>  | 11.800 1/min | Limiting speed                    |
| m               | 39,1 g       | Masa                              |

Mounting dimensions

|                    |        |                                      |
|--------------------|--------|--------------------------------------|
| d <sub>a min</sub> | 19 mm  | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 33 mm  | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 0,3 mm | Maximum fillet radius                |



### Dimensions

|            |          |                              |
|------------|----------|------------------------------|
| $r_{\min}$ | 0,3 mm   | Minimum chamfer dimension    |
| $D_1$      | 29,51 mm | Shoulder diameter outer ring |
| $D_2$      | 30,81 mm | Caliber diameter outer ring  |
| $d_1$      | 22,65 mm | Shoulder diameter inner ring |

### Temperature range

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

### Calculation factors

|       |      |                    |
|-------|------|--------------------|
| $f_0$ | 14,3 | Calculation factor |
|-------|------|--------------------|

### Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie dożywotnie, bezobsługowe



Smarowanie smarem



Uszczelnienie dwustronne