



FAG

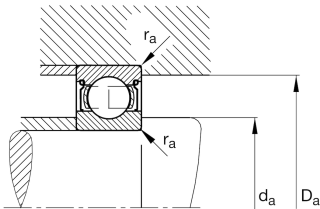
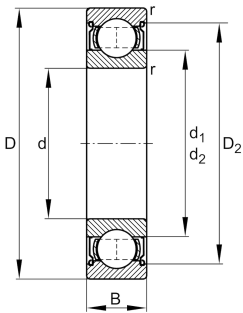
6202-2Z-N-L038

Deep groove ball bearing

Deep groove ball bearing 62...-2Z-N, single row, shields, ring groove, steel sheet metal cage



Informacje techniczne



Twoja aktualna wersja produktu

|                                  |              |                                         |
|----------------------------------|--------------|-----------------------------------------|
| Sealing                          | 2Z           | Non-contact shield on both sides        |
| Design, bearing outer ring       | N            | Ring groove for snap ring               |
| 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        | CN (Group N) | Normal internal clearance               |
| Bore type                        | Z            | Cylindrical                             |

Main Dimensions & Performance Data

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 15 mm        | Bore diameter                     |
| D               | 35 mm        | Outside diameter                  |
| B               | 11 mm        | Width                             |
| C <sub>r</sub>  | 8.200 N      | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 3.750 N      | Basic static load rating, radial  |
| C <sub>ur</sub> | 227 N        | Fatigue load limit, radial        |
| n <sub>G</sub>  | 25.500 1/min | Limiting speed                    |
| n <sub>gr</sub> | 19.800 1/min | Reference speed                   |
| m               | 43 g         | Masa                              |



### Mounting dimensions

|              |         |                                      |
|--------------|---------|--------------------------------------|
| $d_{a \min}$ | 19,2 mm | Minimum diameter shaft shoulder      |
| $D_{a \max}$ | 30,8 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 0,6 mm  | Maximum fillet radius                |

### Dimensions

|            |          |                              |
|------------|----------|------------------------------|
| $r_{\min}$ | 0,6 mm   | Minimum chamfer dimension    |
| $D_1$      | 29,36 mm | Shoulder diameter outer ring |
| $D_2$      | 30,89 mm | Caliber diameter outer ring  |
| $d_1$      | 21,05 mm | Shoulder diameter inner ring |

### Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -20 °C | Operating temperature min. |
| $T_{\max}$ | 120 °C | Operating temperature max. |

### Calculation factors

|       |    |                    |
|-------|----|--------------------|
| $f_0$ | 13 | Calculation factor |
|-------|----|--------------------|

### Właściwości

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