



FAG

686-2RSR-CO7

Deep groove ball bearing

Deep groove ball bearing 68...2RSR, single row, seals, steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

|                                  |                    |                                         |
|----------------------------------|--------------------|-----------------------------------------|
| Logistical code                  | CO7                | -                                       |
| 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                        | Lubricating grease |                                         |
| Radial internal clearance        | CN (Group N)       | Normal internal clearance               |
| Bore type                        | Z                  | Cylindrical                             |

Main Dimensions & Performance Data

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 6 mm         | Bore diameter                     |
| D               | 13 mm        | Outside diameter                  |
| B               | 5 mm         | Width                             |
| C <sub>r</sub>  | 1.150 N      | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 440 N        | Basic static load rating, radial  |
| C <sub>ur</sub> | 27 N         | Fatigue load limit, radial        |
| n <sub>G</sub>  | 34.000 1/min | Limiting speed                    |
| ≈m              | 2,68 g       | Masa                              |



Mounting dimensions

|             |         |                                      |
|-------------|---------|--------------------------------------|
| $d_{a\min}$ | 6,8 mm  | Minimum diameter shaft shoulder      |
| $D_{a\max}$ | 12,2 mm | Maximum diameter of housing shoulder |
| $r_{a\max}$ | 0,15 mm | Maximum fillet radius                |

Dimensions

|            |         |                              |
|------------|---------|------------------------------|
| $r_{\min}$ | 0,15 mm | Minimum chamfer dimension    |
| $D_1$      | 11,1 mm | Shoulder diameter outer ring |
| $D_2$      | 11,8 mm | Caliber diameter outer ring  |
| $d_1$      | 7,9 mm  | Shoulder diameter inner ring |

Temperature range

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

Calculation factors

|       |      |                    |
|-------|------|--------------------|
| $f_0$ | 13,8 | Calculation factor |
|-------|------|--------------------|

Właściwości

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