

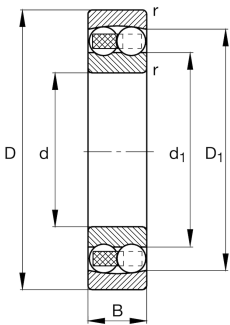
FAG

2320-M>J

Self-aligning ball bearing

Self-aligning ball bearing 23...-M, solid brass cage

Informacje techniczne



Twoja aktualna wersja produktu

|                           |              |                               |
|---------------------------|--------------|-------------------------------|
| Version code              | >J           | Not marked on bearing         |
| Bore type                 | Z            | Cylindrical                   |
| Sealing                   | Without      | Not sealed                    |
| Cage                      | M            | Solid brass cage, ball guided |
| Tolerance class           | PN           | Normal (ISO 492:2023)         |
| Radial internal clearance | CN (Group N) | Normal internal clearance     |
| Lubricant                 | Without      | Bearing not greased           |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 100 mm      | Bore diameter                     |
| D               | 215 mm      | Outside diameter                  |
| B               | 73 mm       | Width                             |
| C <sub>r</sub>  | 196.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 79.000 N    | Basic static load rating, radial  |
| C <sub>ur</sub> | 4.000 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 4.300 1/min | Limiting speed                    |
| n <sub>gr</sub> | 4.350 1/min | Reference speed                   |
| ≈m              | 12,4 kg     | Masa                              |

Mounting dimensions

|                    |        |                                      |
|--------------------|--------|--------------------------------------|
| d <sub>a min</sub> | 114 mm | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 201 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 2,5 mm | Maximum fillet radius                |



Dimensions

|           |           |                              |
|-----------|-----------|------------------------------|
| $r_{min}$ | 3 mm      | Minimum chamfer dimension    |
| $D_1$     | 182,7 mm  | Shoulder diameter outer ring |
| $d_1$     | 130,82 mm | Shoulder diameter inner ring |

Temperature range

|           |        |                            |
|-----------|--------|----------------------------|
| $T_{min}$ | -30 °C | Operating temperature min. |
| $T_{max}$ | 150 °C | Operating temperature max. |

Calculation factors

|       |      |                                                                                      |
|-------|------|--------------------------------------------------------------------------------------|
| $e$   | 0,38 | Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y |
| $Y_1$ | 1,67 | Dynamic axial load factor                                                            |
| $Y_2$ | 2,59 | Dynamic axial load factor                                                            |
| $Y_0$ | 1,75 | Static axial load factor                                                             |

Właściwości

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