





FAG

2318-K-M>J

Self-aligning ball bearing

Self-aligning ball bearing 23..-K-M, tapered bore taper 1:12, solid brass cage

Informacje techniczne

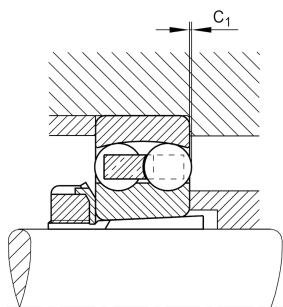
Twoja aktualna wersja produktu

|                           |              |                               |
|---------------------------|--------------|-------------------------------|
| Version code              | >J           | Not marked on bearing         |
| Bore type                 | K            | Tapered, taper 1:12           |
| 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               | 90 mm       | Bore diameter                     |
| D               | 190 mm      | Outside diameter                  |
| B               | 64 mm       | Width                             |
| C <sub>r</sub>  | 156.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 58.000 N    | Basic static load rating, radial  |
| C <sub>ur</sub> | 3.100 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 5.100 1/min | Limiting speed                    |
| n <sub>gr</sub> | 5.000 1/min | Reference speed                   |

|    |         |      |
|----|---------|------|
| ≈m | 8,25 kg | Masa |
|----|---------|------|



### Mounting dimensions

|              |        |                                       |
|--------------|--------|---------------------------------------|
| $d_{a \min}$ | 104 mm | Minimum diameter shaft shoulder       |
| $d_{a \max}$ | 112 mm | Maximum diameter shaft shoulder       |
| $D_{a \max}$ | 176 mm | Maximum diameter of housing shoulder  |
| $d_{b \min}$ | 100 mm | Minimum cavity diameter of the sleeve |
| $B_{a \min}$ | 7 mm   | Minimum cavity width of the sleeve    |
| $r_{a \max}$ | 2,5 mm | Maximum fillet radius                 |

### Dimensions

|            |           |                              |
|------------|-----------|------------------------------|
| $r_{\min}$ | 3 mm      | Minimum chamfer dimension    |
| $D_1$      | 159,81 mm | Shoulder diameter outer ring |
| $d_1$      | 115,7 mm  | Shoulder diameter inner ring |
| $C_1$      | 0,1 mm    | Overhang rolling element     |

### Temperature range

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

### Calculation factors

|       |      |                                                                                      |
|-------|------|--------------------------------------------------------------------------------------|
| $e$   | 0,39 | Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y |
| $Y_1$ | 1,64 | Dynamic axial load factor                                                            |
| $Y_2$ | 2,53 | Dynamic axial load factor                                                            |
| $Y_0$ | 1,71 | Static axial load factor                                                             |

### Additional information

H2318

Adapter sleeve



### Właściwości

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