



**SL185010-A-C3**

Cylindrical roller bearing

Cylindrical roller bearing SL1850...-A, full complement roller set, two-row, semi-locating bearing, 1 rib on outer ring, 3 ribs on inner ring, type SL18

Informacje techniczne



Twoja aktualna wersja produktu

|                           |              |                                   |
|---------------------------|--------------|-----------------------------------|
| Design                    | A            | Internal Variant A                |
| Radial internal clearance | C3 (Group 3) | Internal clearance larger than CN |
| Tolerance class           | PN           | Normal (ISO 492:2023)             |
| Number of rows            | 2            | Double-row design                 |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 50 mm       | Bore diameter                     |
| D               | 80 mm       | Outside diameter                  |
| B               | 40 mm       | Width                             |
| C <sub>r</sub>  | 134.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 188.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 24.800 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 5.300 1/min | Limiting speed                    |
| n <sub>gr</sub> | 3.450 1/min | Reference speed                   |
| ≈m              | 732,5 g     | Masa                              |



Mounting dimensions

|                     |         |                                      |
|---------------------|---------|--------------------------------------|
| d <sub>c min</sub>  | 59 mm   | Minimum shaft shoulder               |
| d <sub>a min</sub>  | 59,1 mm | Minimum diameter shaft shoulder      |
| D <sub>a max</sub>  | 67,6 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub>  | 1 mm    | Maximum recess radius                |
| r <sub>a1 max</sub> | 2 mm    | Maximum recess radius                |
| D <sub>e min</sub>  | 67,6 mm | Minimum diameter of housing shoulder |

Dimensions

|                    |          |                                 |
|--------------------|----------|---------------------------------|
| r <sub>min</sub>   | 1 mm     | Minimum chamfer dimension       |
| r <sub>1 min</sub> | 2 mm     | Minimum chamfer dimension       |
| s                  | 1,5 mm   | Axial displacement              |
| C                  | 20 mm    | Distance to lubrication hole    |
| d <sub>1</sub>     | 59,1 mm  | Maximum rib diameter inner ring |
| D <sub>1 min</sub> | 67,6 mm  | Minimum rib diameter outer ring |
| E                  | 72,33 mm | Raceway diameter outer ring     |

Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 120 °C | Operating temperature max. |

Właściwości

|                                                                                     |                                   |
|-------------------------------------------------------------------------------------|-----------------------------------|
|  | Obciążenie promieniowe            |
|  | Obciążenie osiowe jednokierunkowe |
|  | Smarowanie smarem                 |
|  | Smarowanie olejem                 |
|  | Bez uszczelnienia                 |