



**SL182204-A-XL-C3**

Cylindrical roller bearing

Cylindrical roller bearing SL1822...-A-XL, full complement roller set, single row, semi-locating bearing, 1 rib on outer ring, 2 ribs on inner ring, type SL18

X-life

Informacje techniczne

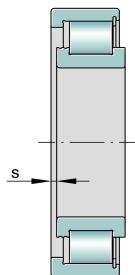
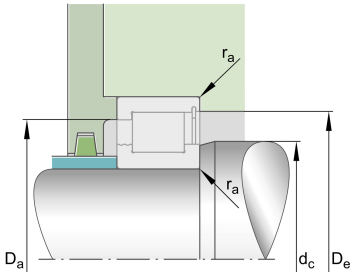


Twoja aktualna wersja produktu

|                           |              |                                   |
|---------------------------|--------------|-----------------------------------|
| 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            | 1            | Single-row design                 |

Main Dimensions & Performance Data

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 20 mm        | Bore diameter                     |
| D               | 47 mm        | Outside diameter                  |
| B               | 18 mm        | Width                             |
| C <sub>r</sub>  | 45.500 N     | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 37.000 N     | Basic static load rating, radial  |
| C <sub>ur</sub> | 6.200 N      | Fatigue load limit, radial        |
| n <sub>G</sub>  | 12.000 1/min | Limiting speed                    |
| n <sub>gr</sub> | 6.500 1/min  | Reference speed                   |
| ≈m              | 153,45 g     | Masa                              |





Mounting dimensions

|         |         |                                      |
|---------|---------|--------------------------------------|
| d a min | 30,3 mm | Minimum diameter shaft shoulder      |
| d c min | 30 mm   | Minimum shaft shoulder               |
| D a max | 36,5 mm | Maximum diameter of housing shoulder |
| D e min | 41 mm   | Minimum diameter of housing shoulder |
| r a max | 1 mm    | Maximum recess radius                |
| E       | 41,5 mm | Raceway diameter outer ring          |

Dimensions

|         |         |                                 |
|---------|---------|---------------------------------|
| r min   | 1 mm    | Minimum chamfer dimension       |
| s       | 1 mm    | Axial displacement              |
| d 1     | 30,3 mm | Maximum rib diameter inner ring |
| D 1 min | 36,9 mm | Minimum rib diameter outer ring |

Temperature range

|       |        |                            |
|-------|--------|----------------------------|
| T min | -30 °C | Operating temperature min. |
| T max | 120 °C | Operating temperature max. |

Właściwości

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