



SL182219

Cylindrical roller bearing

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

Informacje techniczne



Twoja aktualna wersja produktu

|                           |              |                           |
|---------------------------|--------------|---------------------------|
| Design                    | A            | Internal Variant A        |
| Radial internal clearance | CN (Group N) | Normal internal clearance |
| Tolerance class           | PN           | Normal (ISO 492:2023)     |
| Number of rows            | 1            | Single-row design         |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 95 mm       | Bore diameter                     |
| D               | 170 mm      | Outside diameter                  |
| B               | 43 mm       | Width                             |
| C <sub>r</sub>  | 330.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 425.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 62.000 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 2.420 1/min | Limiting speed                    |
| n <sub>gr</sub> | 1.780 1/min | Reference speed                   |
| ≈m              | 4,039 kg    | Masa                              |



Mounting dimensions

|              |          |                                      |
|--------------|----------|--------------------------------------|
| $d_{a\ min}$ | 122 mm   | Minimum diameter shaft shoulder      |
| $d_{c\ min}$ | 122 mm   | Minimum shaft shoulder               |
| $D_{a\ max}$ | 147 mm   | Maximum diameter of housing shoulder |
| $D_{e\ min}$ | 155,5 mm | Minimum diameter of housing shoulder |
| $r_{a\ max}$ | 2,1 mm   | Maximum recess radius                |
| E            | 156 mm   | Raceway diameter outer ring          |

Dimensions

|            |          |                                 |
|------------|----------|---------------------------------|
| $r_{\min}$ | 2,1 mm   | Minimum chamfer dimension       |
| s          | 2,5 mm   | Axial displacement              |
| $d_1$      | 122 mm   | Maximum rib diameter inner ring |
| $D_1\ min$ | 147,3 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                 |