

**SL182915-B-XL-C3**

## Cylindrical roller bearing

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

X-life

## Technical information



## Your current product variant

|                           |              |                                   |
|---------------------------|--------------|-----------------------------------|
| Design                    | B            | Internal Variant B                |
| 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 &amp; Performance Data

|             |             |                                   |
|-------------|-------------|-----------------------------------|
| d           | 75 mm       | Bore diameter                     |
| D           | 105 mm      | Outside diameter                  |
| B           | 19 mm       | Width                             |
| $C_r$       | 91.000 N    | Basic dynamic load rating, radial |
| $C_{0r}$    | 119.000 N   | Basic static load rating, radial  |
| $C_{ur}$    | 20.400 N    | Fatigue load limit, radial        |
| $n_G$       | 4.250 1/min | Limiting speed                    |
| $n_{gr}$    | 2.370 1/min | Reference speed                   |
| $\approx m$ | 0,52 kg     | Weight                            |





### Mounting dimensions

|              |         |                                      |
|--------------|---------|--------------------------------------|
| $d_{a \min}$ | 86,3 mm | Minimum diameter shaft shoulder      |
| $d_{c \min}$ | 86 mm   | Minimum shaft shoulder               |
| $D_{a \max}$ | 92,5 mm | Maximum diameter of housing shoulder |
| $D_{e \min}$ | 97 mm   | Minimum diameter of housing shoulder |
| $r_{a \max}$ | 1 mm    | Maximum recess radius                |
| E            | 97,4 mm | Raceway diameter outer ring          |

### Dimensions

|            |         |                                 |
|------------|---------|---------------------------------|
| $r_{\min}$ | 1 mm    | Minimum chamfer dimension       |
| s          | 1 mm    | Axial displacement              |
| $d_1$      | 86,3 mm | Maximum rib diameter inner ring |
| $D_1 \min$ | 92,8 mm | Minimum rib diameter outer ring |

### Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 120 °C | Operating temperature max. |

### Characteristics

-  Radial load
-  Axial load in one direction
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed