

**SL181868-E-CN/3L**

## Cylindrical roller bearing

Cylindrical roller bearing SL1818.-E, full complement roller set, single row, semi-locating bearing, 1 rib on outer ring, 2 ribs on inner ring, type SL18

## Technical information

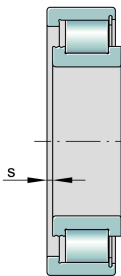


## Your current product variant

|                                |    |                   |
|--------------------------------|----|-------------------|
| Design                         | E  |                   |
| Tolerance class                | PN | Normal (PN)       |
| Number of rolling element rows | 1  | Single-row design |

## Main Dimensions &amp; Performance Data

|          |           |                                   |
|----------|-----------|-----------------------------------|
| d        | 340 mm    | Bore diameter                     |
| D        | 420 mm    | Outside diameter                  |
| B        | 38 mm     | Width                             |
| $C_r$    | 485.000 N | Basic dynamic load rating, radial |
| $C_{0r}$ | 960.000 N | Basic static load rating, radial  |
| $C_{ur}$ | 100.000 N | Fatigue load limit, radial        |
| $n_G$    | 810 1/min | Limiting speed                    |
| $n_{gr}$ | 570 1/min | Reference speed                   |
| $m$      | 10,68 kg  | Weight                            |





### Mounting dimensions

|              |          |                                      |
|--------------|----------|--------------------------------------|
| $d_{a \min}$ | 365,5 mm | Minimum diameter shaft shoulder      |
| $d_{c \min}$ | 365,5 mm | Minimum shaft shoulder               |
| $D_{a \max}$ | 392,5 mm | Maximum diameter of housing shoulder |
| $D_{e \min}$ | 402 mm   | Minimum diameter of housing shoulder |
| $r_{a \max}$ | 2,1 mm   | Maximum recess radius                |
| E            | 402,2 mm | Raceway diameter outer ring          |

### Dimensions

|            |          |                                 |
|------------|----------|---------------------------------|
| $r_{\min}$ | 2,1 mm   | Minimum chamfer dimension       |
| s          | 3 mm     | Axial displacement              |
| $d_1$      | 365,5 mm | Maximum rib diameter inner ring |
| $D_1 \min$ | 392,5 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                  |
|  | Large bearing               |