

**SL181892-E-TB-BR-C3**

Cylindrical roller bearing

Cylindrical roller bearing, SL1818..-E-TB 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 | TB | Bearings with increased axial load capacity |
| 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 | 460 mm | Bore diameter |
| D | 580 mm | Outside diameter |
| B | 56 mm | Width |
| C_r | 940.000 N | Basic dynamic load rating, radial |
| C_{0r} | 1.890.000 N | Basic static load rating, radial |
| C_{ur} | 189.000 N | Fatigue load limit, radial |
| n_G | 580 1/min | Limiting speed |
| n_{gr} | 385 1/min | Reference speed |
| m | 32 kg | Weight |





Mounting dimensions

| | | |
|--------------|----------|--------------------------------------|
| $d_{a \min}$ | 501,5 mm | Minimum diameter shaft shoulder |
| $d_{c \min}$ | 501,5 mm | Minimum shaft shoulder |
| $D_{a \max}$ | 540 mm | Maximum diameter of housing shoulder |
| $D_{e \min}$ | 554 mm | Minimum diameter of housing shoulder |
| $r_{a \max}$ | 3 mm | Maximum recess radius |
| E | 554 mm | Raceway diameter outer ring |

Dimensions

| | | |
|------------|----------|---------------------------------|
| r_{\min} | 3 mm | Minimum chamfer dimension |
| s | 5 mm | Axial displacement |
| d_1 | 501,5 mm | Maximum rib diameter inner ring |
| $D_1 \min$ | 540 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 |