

**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 (PN)
Number of rows	1	Single-row design

## Main Dimensions &amp; 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