

**SL183052-TB-XL-BR-C3** [↗](#)

## Cylindrical roller bearing

Cylindrical roller bearing SL1830..-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	260 mm	Bore diameter
D	400 mm	Outside diameter
B	104 mm	Width
$C_r$	1.600.000 N	Basic dynamic load rating, radial
$C_{0r}$	2.500.000 N	Basic static load rating, radial
$C_{ur}$	290.000 N	Fatigue load limit, radial
$n_G$	940 1/min	Limiting speed
$n_{gr}$	620 1/min	Reference speed
$\approx m$	44,5 kg	Weight





### Mounting dimensions

$d_{a \min}$	304 mm	Minimum diameter shaft shoulder
$d_{c \min}$	304 mm	Minimum shaft shoulder
$D_{a \max}$	358 mm	Maximum diameter of housing shoulder
$D_{e \min}$	375,5 mm	Minimum diameter of housing shoulder
$r_{a \max}$	4 mm	Maximum recess radius
E	376 mm	Raceway diameter outer ring

### Dimensions

$r_{\min}$	4 mm	Minimum chamfer dimension
s	11 mm	Axial displacement
$d_1$	304 mm	Maximum rib diameter inner ring
$D_1 \min$	358,4 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