

**SL182996-TB-BR-C3**

## Cylindrical roller bearing

Cylindrical roller bearing SL1829..-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 rolling element rows	1	Single-row design

## Main Dimensions &amp; Performance Data

d	480 mm	Bore diameter
D	650 mm	Outside diameter
B	100 mm	Width
$C_r$	2.390.000 N	Basic dynamic load rating, radial
$C_{0r}$	4.800.000 N	Basic static load rating, radial
$C_{ur}$	480.000 N	Fatigue load limit, radial
$n_G$	530 1/min	Limiting speed
$n_{gr}$	280 1/min	Reference speed
$m$	92,35 kg	Weight





### Mounting dimensions

$d_{a \min}$	538 mm	Minimum diameter shaft shoulder
$d_{c \min}$	538 mm	Minimum shaft shoulder
$D_{a \max}$	596,5 mm	Maximum diameter of housing shoulder
$D_{e \min}$	614,5 mm	Minimum diameter of housing shoulder
$r_{a \max}$	5 mm	Maximum recess radius
E	614,8 mm	Raceway diameter outer ring

### Dimensions

$r_{\min}$	5 mm	Minimum chamfer dimension
s	7 mm	Axial displacement
$d_1$	538 mm	Maximum rib diameter inner ring
$D_1 \min$	596,6 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