

**SL185013-A**

## Cylindrical roller bearing

Cylindrical roller bearing SL1850..-A, full complement roller set, two-row, semi-locating bearing, 1 rib on outer ring, 3 ribs on inner ring, type SL18

## Technical information



## Your current product variant

Design	A	Internal Variant A
Radial internal clearance	CN (Group N)	Normal internal clearance
Tolerance class	PN	Normal (ISO 492:2023)
Number of rows	2	Double-row design

## Main Dimensions &amp; Performance Data

d	65 mm	Bore diameter
D	100 mm	Outside diameter
B	46 mm	Width
$C_r$	197.000 N	Basic dynamic load rating, radial
$C_{0r}$	315.000 N	Basic static load rating, radial
$C_{ur}$	43.000 N	Fatigue load limit, radial
$n_G$	4.000 1/min	Limiting speed
$n_{gr}$	2.500 1/min	Reference speed
$\approx m$	1.271 g	Weight





### Mounting dimensions

$d_{c \min}$	78 mm	Minimum shaft shoulder
$d_{a \min}$	78,1 mm	Minimum diameter shaft shoulder
$D_{a \max}$	88,3 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1,1 mm	Maximum recess radius
$r_{a1 \max}$	2 mm	Maximum recess radius
$D_{e \min}$	88,3 mm	Minimum diameter of housing shoulder

### Dimensions

$r_{\min}$	1,1 mm	Minimum chamfer dimension
$r_{1 \min}$	2 mm	Minimum chamfer dimension
s	1,5 mm	Axial displacement
C	23 mm	Distance to lubrication hole
$d_1$	78,1 mm	Maximum rib diameter inner ring
$D_1 \min$	88,3 mm	Minimum rib diameter outer ring
E	93,09 mm	Raceway 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