

**SL185006-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	30 mm	Bore diameter
D	55 mm	Outside diameter
B	34 mm	Width
$C_r$	69.000 N	Basic dynamic load rating, radial
$C_{0r}$	84.000 N	Basic static load rating, radial
$C_{ur}$	12.300 N	Fatigue load limit, radial
$n_G$	8.100 1/min	Limiting speed
$n_{gr}$	5.300 1/min	Reference speed
$m$	333,6 g	Weight





### Mounting dimensions

$d_{c \text{ min}}$	40 mm	Minimum shaft shoulder
$d_{a \text{ min}}$	40 mm	Minimum diameter shaft shoulder
$D_{a \text{ max}}$	45,3 mm	Maximum diameter of housing shoulder
$r_{a \text{ max}}$	1 mm	Maximum recess radius
$r_{a1 \text{ max}}$	2,1 mm	Maximum recess radius
$D_{e \text{ min}}$	45,3 mm	Minimum diameter of housing shoulder






### Dimensions

$r_{\text{min}}$	1 mm	Minimum chamfer dimension
$r_{1 \text{ min}}$	1,5 mm	Minimum chamfer dimension
s	1,5 mm	Axial displacement
C	17 mm	Distance to lubrication hole
$d_1$	40 mm	Maximum rib diameter inner ring
$D_1 \text{ min}$	45,3 mm	Minimum rib diameter outer ring
E	49,6 mm	Raceway diameter outer ring

### Temperature range

$T_{\text{min}}$	-30 °C	Operating temperature min.
$T_{\text{max}}$	120 °C	Operating temperature max.

### Characteristics

	Radial load
	Axial load in one direction
	Grease Lubrication
	Oil Lubrication
	Not sealed