

**SL184936-A-C3** [↗](#)

Cylindrical roller bearing

Cylindrical roller bearing SL18..-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	C3 (Group 3)	Internal clearance larger than CN
Tolerance class	PN	Normal (ISO 492:2023)
Number of rows	2	Double-row design

Main Dimensions & Performance Data

d	180 mm	Bore diameter
D	250 mm	Outside diameter
B	69 mm	Width
C_r	570.000 N	Basic dynamic load rating, radial
C_{0r}	1.200.000 N	Basic static load rating, radial
C_{ur}	149.000 N	Fatigue load limit, radial
n_G	1.480 1/min	Limiting speed
n_{gr}	920 1/min	Reference speed
m	10,294 kg	Weight



Mounting dimensions

$d_{c \text{ min}}$	204,5 mm	Minimum shaft shoulder
$d_{a \text{ min}}$	204,9 mm	Minimum diameter shaft shoulder
$D_{a \text{ max}}$	223,8 mm	Maximum diameter of housing shoulder
$r_{a \text{ max}}$	2 mm	Maximum recess radius
$r_{a1 \text{ max}}$	2 mm	Maximum recess radius
$D_{e \text{ min}}$	223,8 mm	Minimum diameter of housing shoulder






Dimensions

r_{min}	2 mm	Minimum chamfer dimension
$r_{1 \text{ min}}$	2 mm	Minimum chamfer dimension
s	3 mm	Axial displacement
C	34,5 mm	Distance to lubrication hole
d_1	204,9 mm	Maximum rib diameter inner ring
$D_1 \text{ min}$	223,8 mm	Minimum rib diameter outer ring
E	230,5 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