

**SL185011-A-C3**

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	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	55 mm	Bore diameter
D	90 mm	Outside diameter
B	46 mm	Width
C_r	182.000 N	Basic dynamic load rating, radial
C_{0r}	275.000 N	Basic static load rating, radial
C_{ur}	37.000 N	Fatigue load limit, radial
n_G	4.550 1/min	Limiting speed
n_{gr}	2.900 1/min	Reference speed
$\approx m$	1.114,7 g	Weight





Mounting dimensions

$d_{c \min}$	68,5 mm	Minimum shaft shoulder
$d_{a \min}$	68,5 mm	Minimum diameter shaft shoulder
$D_{a \max}$	78,7 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1,1 mm	Maximum recess radius
$r_{a1 \max}$	2 mm	Maximum recess radius
$D_{e \min}$	78,7 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	68,5 mm	Maximum rib diameter inner ring
$D_1 \min$	78,7 mm	Minimum rib diameter outer ring
E	83,54 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