

**SL182220-A-C3** [↗](#)

Cylindrical roller bearing

Cylindrical roller bearing SL1822..-A, 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	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	1	Single-row design

Main Dimensions & Performance Data

d	100 mm	Bore diameter
D	180 mm	Outside diameter
B	46 mm	Width
C_r	390.000 N	Basic dynamic load rating, radial
C_{0r}	510.000 N	Basic static load rating, radial
C_{ur}	74.000 N	Fatigue load limit, radial
n_G	2.300 1/min	Limiting speed
n_{gr}	1.700 1/min	Reference speed
m	4,98 kg	Weight





Mounting dimensions

$d_{a \min}$	127,5 mm	Minimum diameter shaft shoulder
$d_{c \min}$	127,5 mm	Minimum shaft shoulder
$D_{a \max}$	154 mm	Maximum diameter of housing shoulder
$D_{e \min}$	163 mm	Minimum diameter of housing shoulder
$r_{a \max}$	2,1 mm	Maximum recess radius
E	163,4 mm	Raceway diameter outer ring

Dimensions

r_{\min}	2,1 mm	Minimum chamfer dimension
s	2,5 mm	Axial displacement
d_1	127,5 mm	Maximum rib diameter inner ring
$D_1 \min$	154,3 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