

**SL185009-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	45 mm	Bore diameter
D	75 mm	Outside diameter
B	40 mm	Width
C_r	106.000 N	Basic dynamic load rating, radial
C_{0r}	148.000 N	Basic static load rating, radial
C_{ur}	20.500 N	Fatigue load limit, radial
n_G	5.800 1/min	Limiting speed
n_{gr}	3.950 1/min	Reference speed
m	680,9 g	Weight





Mounting dimensions

$d_{c \min}$	55 mm	Minimum shaft shoulder
$d_{a \min}$	55,3 mm	Minimum diameter shaft shoulder
$D_{a \max}$	62,5 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1 mm	Maximum recess radius
$r_{a1 \max}$	1,5 mm	Maximum recess radius
$D_{e \min}$	62,5 mm	Minimum diameter of housing shoulder

Dimensions

r_{\min}	1 mm	Minimum chamfer dimension
$r_{1 \min}$	1,5 mm	Minimum chamfer dimension
s	1,5 mm	Axial displacement
C	20 mm	Distance to lubrication hole
d_1	55,3 mm	Maximum rib diameter inner ring
$D_1 \min$	62,5 mm	Minimum rib diameter outer ring
E	66,85 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