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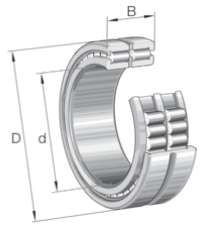
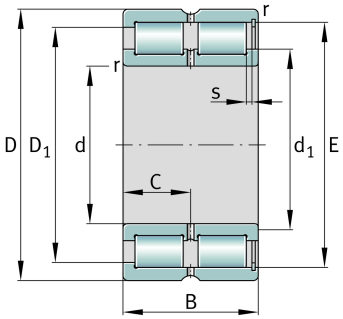


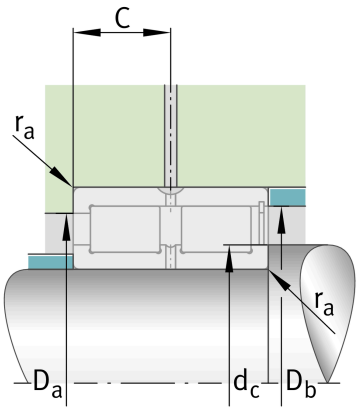
SL185018

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 & Performance Data

d	90 mm	Bore diameter
D	140 mm	Outside diameter
B	67 mm	Width
C_r	350.000 N	Basic dynamic load rating, radial
C_{0r}	550.000 N	Basic static load rating, radial
C_{ur}	82.000 N	Fatigue load limit, radial
n_G	2.850 1/min	Limiting speed
$n_{\vartheta r}$	2.140 1/min	Reference speed
≈m	3,48 kg	Weight

Mounting dimensions

$d_{c\ min}$	106 mm	Minimum shaft shoulder
$d_{a\ min}$	106,1 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	124,5 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	1,5 mm	Maximum recess radius
$r_{a1\ max}$	2,1 mm	Maximum recess radius
$D_{e\ min}$	124,5 mm	Minimum diameter of housing shoulder

Dimensions

r_{min}	1,5 mm	Minimum chamfer dimension
$r_{1\ min}$	2 mm	Minimum chamfer dimension
s	4 mm	Axial displacement
C	33,5 mm	Distance to lubrication hole
d_1	106,1 mm	Maximum rib diameter inner ring
$D_{1\ min}$	124,5 mm	Minimum rib diameter outer ring
E	130,7 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