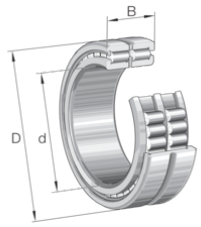
View product details on medias

19.06.2026, 10:51:30 UTC

SCHAEFFLER

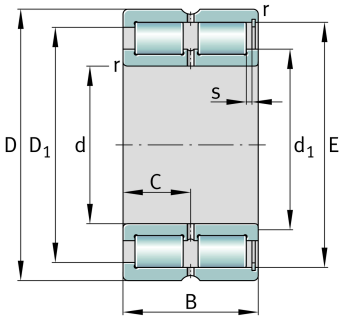


SL185013-A-C3

Cylindrical roller bearing

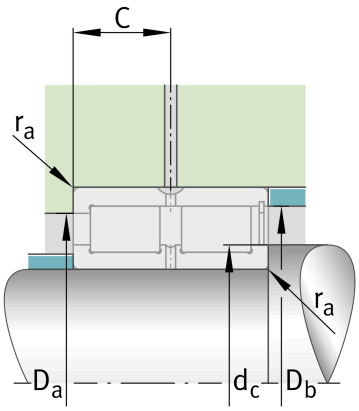
Cylindrical roller bearing SL1850..-A, full complement roller set, two-row, semi-locating bearing, 1 rib on outer ring, 3 ribs on inner ring, type SL18

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	65 mm	Bore diameter
D	100 mm	Outside diameter
B	46 mm	Width
C_r	197.000 N	Basic dynamic load rating, radial
C_{0r}	315.000 N	Basic static load rating, radial
C_{ur}	43.000 N	Fatigue load limit, radial
n_G	4.000 1/min	Limiting speed
$n_{\vartheta r}$	2.500 1/min	Reference speed
≈m	1.271 g	Weight

The data sheet only contains an overview of the technical data of the selected product. Please refer to the additional documentation for this product. For further information, please use the following link on our website: Contact form

Mounting dimensions

$d_{c\ min}$	78 mm	Minimum shaft shoulder
$d_{a\ min}$	78,1 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	88,3 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	1,1 mm	Maximum recess radius
$r_{a1\ max}$	2 mm	Maximum recess radius
$D_{e\ min}$	88,3 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	78,1 mm	Maximum rib diameter inner ring
$D_{1\ min}$	88,3 mm	Minimum rib diameter outer ring
E	93,09 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

The data sheet only contains an overview of the technical data of the selected product. Please refer to the additional documentation for this product. For further information, please use the following link on our website: Contact form