

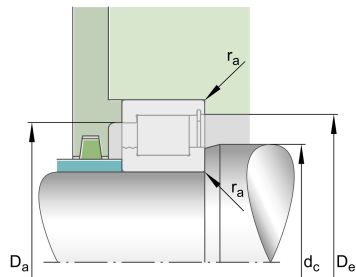
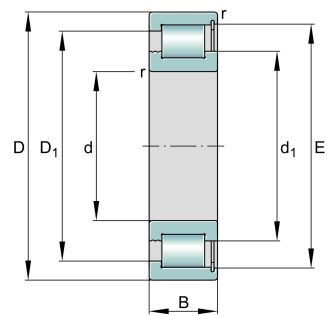


SL181888-E [↗](#)

Cylindrical roller bearing

Cylindrical roller bearing SL1818...-E, 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	E	
Radial internal clearance	CN (Group N)	Normal internal clearance
Tolerance class	PN	Normal (ISO 492:2023)
Number of rows	1	Single-row design

Main Dimensions & Performance Data

d	440 mm	Bore diameter
D	540 mm	Outside diameter
B	46 mm	Width
C _r	700.000 N	Basic dynamic load rating, radial
C _{0r}	1.470.000 N	Basic static load rating, radial
C _{ur}	147.000 N	Fatigue load limit, radial
n _G	620 1/min	Limiting speed
n _{gr}	415 1/min	Reference speed
≈m	21,82 kg	Weight



Mounting dimensions

$d_{a\ min}$	473,5 mm	Minimum diameter shaft shoulder
$d_{c\ min}$	473,5 mm	Minimum shaft shoulder
$D_{a\ max}$	506 mm	Maximum diameter of housing shoulder
$D_{e\ min}$	517 mm	Minimum diameter of housing shoulder
$r_{a\ max}$	2,1 mm	Maximum recess radius
E	517 mm	Raceway diameter outer ring

Dimensions

$r_{\min}$	2,1 mm	Minimum chamfer dimension
s	4 mm	Axial displacement
d_1	473,5 mm	Maximum rib diameter inner ring
$D_1\ min$	506 mm	Minimum rib diameter outer ring

Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	120 °C	Operating temperature max.

Characteristics

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Radial load
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Axial load in one direction
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Grease Lubrication
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Oil Lubrication
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Not sealed
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Large bearing