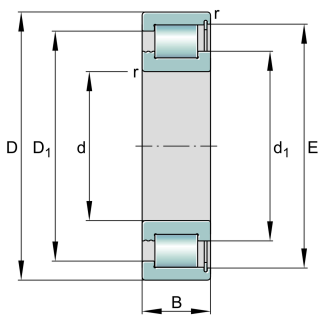


**SL181860-E-C3** [↗](#)

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

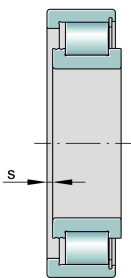
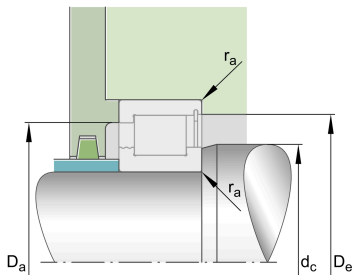


Your current product variant

Design	E	
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Tolerance class	PN	Normal (PN)
Number of rolling element rows	1	Single-row design

Main Dimensions & Performance Data

d	300 mm	Bore diameter
D	380 mm	Outside diameter
B	38 mm	Width
C _r	455,000 N	Basic dynamic load rating, radial
C _{0r}	840,000 N	Basic static load rating, radial
C _{ur}	91,000 N	Fatigue load limit, radial
n _G	920 1/min	Limiting speed
n _{gr}	680 1/min	Reference speed
m	9.48 kg	Weight





Mounting dimensions

$d_{a\ min}$	323.5 mm	Minimum diameter shaft shoulder
$d_{c\ min}$	323.5 mm	Minimum shaft shoulder
$D_{a\ max}$	350.5 mm	Maximum diameter of housing shoulder
$D_{e\ min}$	360 mm	Minimum diameter of housing shoulder
$r_{a\ max}$	2.1 mm	Maximum recess radius
E	360 mm	Raceway diameter outer ring







Dimensions

r_{\min}	2.1 mm	Minimum chamfer dimension
s	3 mm	Axial displacement
d_1	323.5 mm	Maximum rib diameter inner ring
$D_1\ min$	350.5 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
	Large bearing