

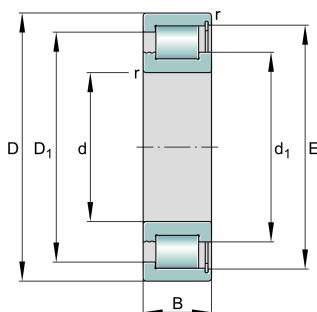


SL181860-E

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

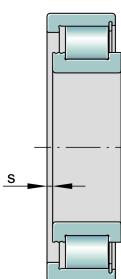
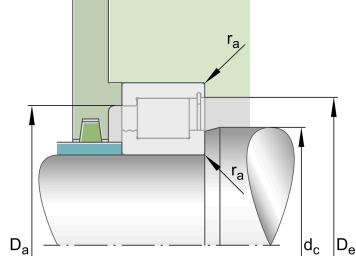


Your current product variant

Design	E	
Radial internal clearance	CN (Group N)	Normal internal clearance
Tolerance class	PN	Normal (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
$n_{\theta r}$	680 1/min	Reference speed
$\approx m$	9.484 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