

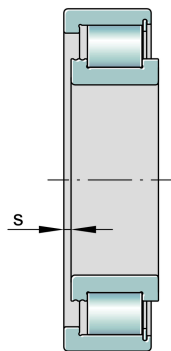
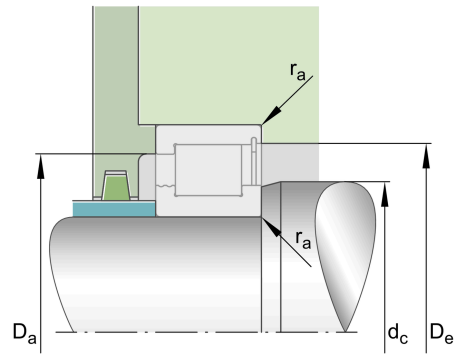
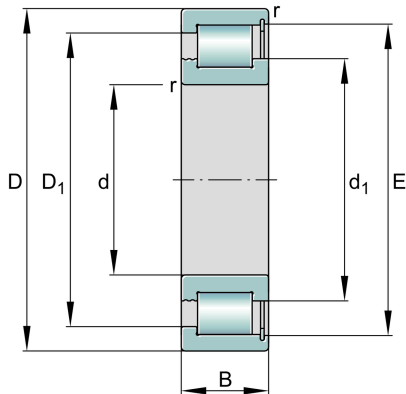
SL181852-E-C3

Cylindrical roller bearing

Schaeffler ID:  
0153818540030

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



Main Dimensions & Performance Data

d	[260] mm	Bore diameter
D	[320] mm	Outside diameter
B	[28] mm	Width
C <sub>r</sub>	[275.000] N	Basic dynamic load rating, radial
C <sub>0r</sub>	[530.000] N	Basic static load rating, radial
C <sub>ur</sub>	[58.000] N	Fatigue load limit, radial
n <sub>G</sub>	[1.080] 1/min	Limiting speed
n <sub>gr</sub>	[790] 1/min	Reference speed
	[4,462] kg	Weight

Mounting dimensions

d <sub>a min</sub>	[281] mm	Minimum diameter shaft shoulder
d <sub>c min</sub>	[281] mm	Minimum shaft shoulder
D <sub>a max</sub>	[301,5] mm	Maximum diameter of housing shoulder
D <sub>e min</sub>	[308] mm	Minimum diameter of housing shoulder
r <sub>a max</sub>	[2] mm	Maximum recess radius

Dimensions

r <sub>min</sub>	[2] mm	Minimum chamfer dimension
s	[2] mm	Axial displacement
d <sub>1</sub>	[281] mm	Maximum rib diameter inner ring
D <sub>1 min</sub>	[301,5] mm	Minimum rib diameter outer ring
E	[308] mm	Raceway diameter outer ring

Temperature range

T <sub>min</sub>	[-30] °C	Operating temperature min.
T <sub>max</sub>	[120] °C	Operating temperature max.