

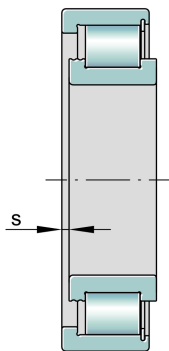
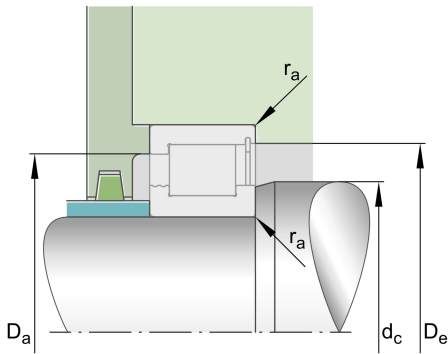
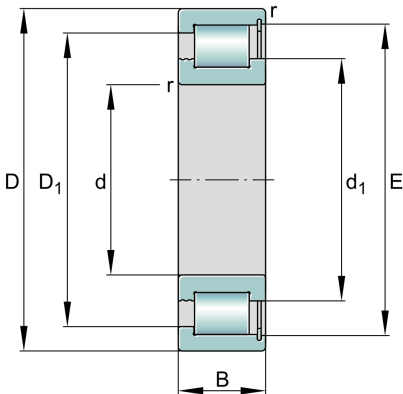
SL181888-E-BR

Cylindrical roller bearing

Schaeffler ID:
0153775550000

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	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	21,8 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

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
E	517 mm	Raceway diameter outer ring

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	120 °C	Operating temperature max.