

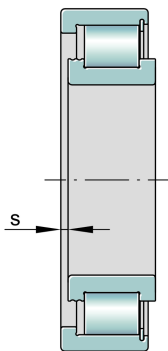
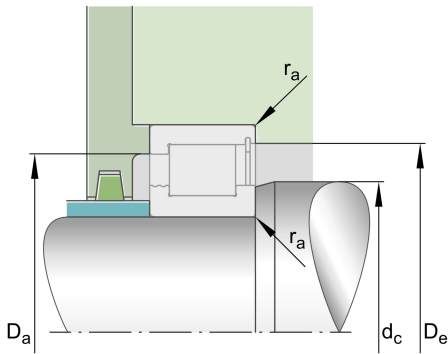
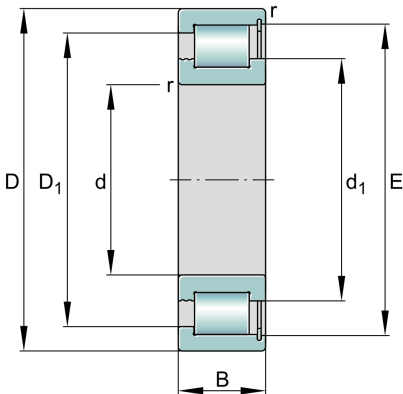
SL181880-E-BR

Cylindrical roller bearing

Schaeffler ID:
0153825320000

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	400 mm	Bore diameter
D	500 mm	Outside diameter
B	46 mm	Width
C _r	660.000 N	Basic dynamic load rating, radial
C _{0r}	1.340.000 N	Basic static load rating, radial
C _{ur}	137.000 N	Fatigue load limit, radial
n _G	680 1/min	Limiting speed
n _{gr}	470 1/min	Reference speed
≈m	19 kg	Weight

Mounting dimensions

d _{a min}	432 mm	Minimum diameter shaft shoulder
d _{c min}	432 mm	Minimum shaft shoulder
D _{a max}	464,5 mm	Maximum diameter of housing shoulder
D _{e min}	475,5 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	432 mm	Maximum rib diameter inner ring
D _{1 min}	464,5 mm	Minimum rib diameter outer ring
E	475,5 mm	Raceway diameter outer ring

Temperature range

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