

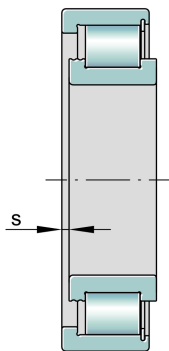
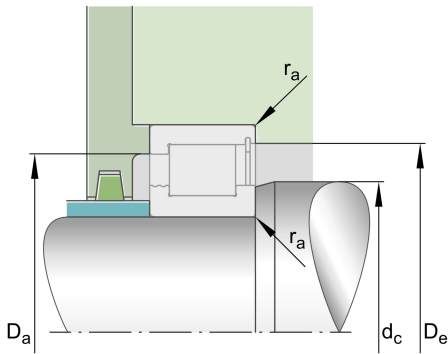
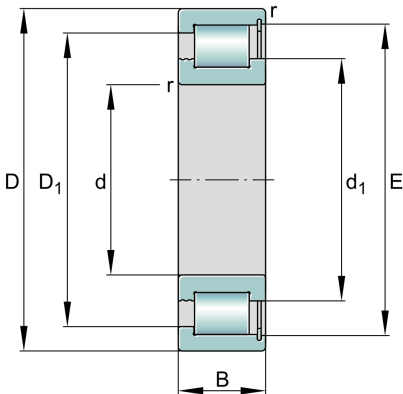
SL181848-E-C3

Cylindrical roller bearing

Schaeffler ID:
0153818380030

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	240 mm	Bore diameter
D	300 mm	Outside diameter
B	28 mm	Width
C _r	265.000 N	Basic dynamic load rating, radial
C _{0r}	490.000 N	Basic static load rating, radial
C _{ur}	55.000 N	Fatigue load limit, radial
n _G	1.160 1/min	Limiting speed
n _{gr}	870 1/min	Reference speed
≈m	4,13 kg	Weight

Mounting dimensions

d _{a min}	260,5 mm	Minimum diameter shaft shoulder
d _{c min}	260,5 mm	Minimum shaft shoulder
D _{a max}	281 mm	Maximum diameter of housing shoulder
D _{e min}	287,5 mm	Minimum diameter of housing shoulder
r _{a max}	2 mm	Maximum recess radius

Dimensions

r _{min}	2 mm	Minimum chamfer dimension
s	2 mm	Axial displacement
d ₁	260,5 mm	Maximum rib diameter inner ring
D _{1 min}	281 mm	Minimum rib diameter outer ring
E	287,5 mm	Raceway diameter outer ring

Temperature range

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