

★ SL183010-XL

Cylindrical roller bearing

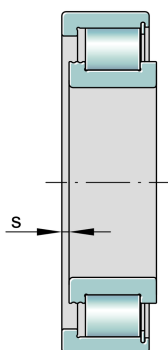
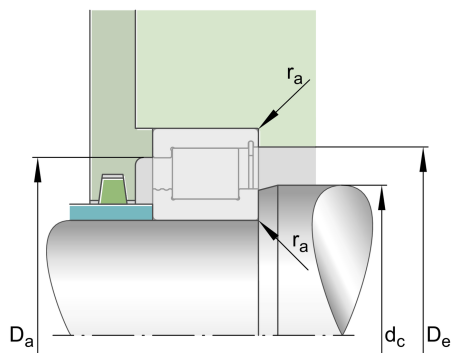
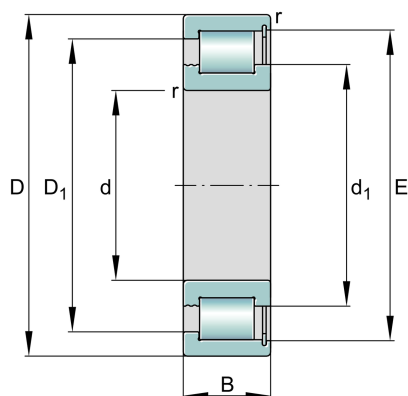
Schaeffler ID:
0505375980000

★ Preferred product

Cylindrical roller bearing SL18, full complement roller set, two-row, semi-locating bearing, 1 rib on outer ring, 3 ribs on inner ring, type SL18

X-life

Technical information



Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	120 °C	Operating temperature max.
	0,004 kg	Weight

Main Dimensions & Performance Data

d	50 mm	Bore diameter
D	80 mm	Outside diameter
B	23 mm	Width
C_r	88.000 N	Basic dynamic load rating, radial
C_{0r}	94.000 N	Basic static load rating, radial
C_{ur}	15.300 N	Fatigue load limit, radial
n_G	5.300 1/min	Limiting speed
n_{gr}	3.700 1/min	Reference speed

Dimensions

r_{\min}	1 mm	Minimum chamfer dimension
s	2 mm	Axial displacement
d_1	59,1 mm	Maximum rib diameter inner ring
$D_{1\min}$	67,7 mm	Minimum rib diameter outer ring
E	72,3 mm	Raceway diameter outer ring

Mounting dimensions

$d_{a\min}$	59,1 mm	Minimum diameter shaft shoulder
$d_{c\min}$	59 mm	Minimum shaft shoulder
$D_{a\max}$	67,5 mm	Maximum diameter of housing shoulder
$D_{e\min}$	72 mm	Minimum diameter of housing shoulder
$r_{a\max}$	1 mm	Maximum recess radius