

**SL182915-B-XL-C3**

Cylindrical roller bearing

Cylindrical roller bearing SL18, full complement roller set, single row, semi-locating bearing, 1 rib on outer ring, 2 ribs on inner ring, type SL18

X-life

Technical information



Your current product variant

Design	B	Internal Variant B
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Tolerance class	PN	Normal (ISO 492:2023)
Number of rows	1	Single-row design

Main Dimensions & Performance Data

d	75 mm	Bore diameter
D	105 mm	Outside diameter
B	19 mm	Width
C_r	91.000 N	Basic dynamic load rating, radial
C_{0r}	119.000 N	Basic static load rating, radial
C_{ur}	20.400 N	Fatigue load limit, radial
n_G	4.250 1/min	Limiting speed
n_{gr}	2.370 1/min	Reference speed
$\approx m$	0,52 kg	Weight





Mounting dimensions

$d_{a \min}$	86,3 mm	Minimum diameter shaft shoulder
$d_{c \min}$	86 mm	Minimum shaft shoulder
$D_{a \max}$	92,5 mm	Maximum diameter of housing shoulder
$D_{e \min}$	97 mm	Minimum diameter of housing shoulder
$r_{a \max}$	1 mm	Maximum recess radius
E	97,4 mm	Raceway diameter outer ring


Dimensions

r_{\min}	1 mm	Minimum chamfer dimension
s	1 mm	Axial displacement
d_1	86,3 mm	Maximum rib diameter inner ring
$D_1 \min$	92,8 mm	Minimum rib diameter outer ring

Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	120 °C	Operating temperature max.

Characteristics

-  Radial load
-  Axial load in one direction
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed