

**SL182920-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	100 mm	Bore diameter
D	140 mm	Outside diameter
B	24 mm	Width
C_r	152.000 N	Basic dynamic load rating, radial
C_{0r}	203.000 N	Basic static load rating, radial
C_{ur}	32.500 N	Fatigue load limit, radial
n_G	3.150 1/min	Limiting speed
n_{gr}	1.870 1/min	Reference speed
$\approx m$	1,083 kg	Weight





Mounting dimensions

$d_{a \min}$	113,4 mm	Minimum diameter shaft shoulder
$d_{c \min}$	113 mm	Minimum shaft shoulder
$D_{a \max}$	125,5 mm	Maximum diameter of housing shoulder
$D_{e \min}$	130,5 mm	Minimum diameter of housing shoulder
$r_{a \max}$	1,1 mm	Maximum recess radius
E	131 mm	Raceway diameter outer ring

Dimensions

r_{\min}	1,1 mm	Minimum chamfer dimension
s	1,5 mm	Axial displacement
d_1	113,4 mm	Maximum rib diameter inner ring
$D_1 \min$	125,7 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