

**SL182936-B-XL-C5**

## 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	C5 (Group 5)	Internal clearance larger than C4
Tolerance class	PN	Normal (ISO 492:2023)
Number of rows	1	Single-row design

## Main Dimensions &amp; Performance Data

d	180 mm	Bore diameter
D	250 mm	Outside diameter
B	42 mm	Width
$C_r$	455.000 N	Basic dynamic load rating, radial
$C_{0r}$	680.000 N	Basic static load rating, radial
$C_{ur}$	106.000 N	Fatigue load limit, radial
$n_G$	1.720 1/min	Limiting speed
$n_{gr}$	1.150 1/min	Reference speed
$\approx m$	6,002 kg	Weight





### Mounting dimensions

$d_{a \min}$	200,7 mm	Minimum diameter shaft shoulder
$d_{c \min}$	200,5 mm	Minimum shaft shoulder
$D_{a \max}$	224 mm	Maximum diameter of housing shoulder
$D_{e \min}$	231,5 mm	Minimum diameter of housing shoulder
$r_{a \max}$	2 mm	Maximum recess radius
E	231,9 mm	Raceway diameter outer ring

### Dimensions

$r_{\min}$	2 mm	Minimum chamfer dimension
s	2,5 mm	Axial displacement
$d_1$	200,7 mm	Maximum rib diameter inner ring
$D_1 \min$	224 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