

**SL185012-XL**

Cylindrical roller bearing

Cylindrical roller bearing SL1850..-A-XL ,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



Your current product variant

Design	A	Internal Variant A
Radial internal clearance	CN (Group N)	Normal internal clearance
Tolerance class	PN	Normal (ISO 492:2023)
Number of rows	2	Double-row design

Main Dimensions & Performance Data

d	60 mm	Bore diameter
D	95 mm	Outside diameter
B	46 mm	Width
C_r	212.000 N	Basic dynamic load rating, radial
C_{0r}	285.000 N	Basic static load rating, radial
C_{ur}	48.500 N	Fatigue load limit, radial
n_G	4.350 1/min	Limiting speed
n_{gr}	2.800 1/min	Reference speed
$\approx m$	1,24 kg	Weight





Mounting dimensions

$d_{c \text{ min}}$	71,5 mm	Minimum shaft shoulder
$d_{a \text{ min}}$	71,7 mm	Minimum diameter shaft shoulder
$D_{a \text{ max}}$	82 mm	Maximum diameter of housing shoulder
$r_{a \text{ max}}$	1,1 mm	Maximum recess radius
$D_{e \text{ min}}$	81,9 mm	Minimum diameter of housing shoulder

Dimensions

r_{min}	1,1 mm	Minimum chamfer dimension
$r_{1 \text{ min}}$	2 mm	Minimum chamfer dimension
s	1,5 mm	Axial displacement
C	23 mm	Distance to lubrication hole
d_1	71,7 mm	Maximum rib diameter inner ring
$D_1 \text{ min}$	81,9 mm	Minimum rib diameter outer ring
E	86,7 mm	Raceway diameter outer ring

Temperature range

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

Characteristics

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