

**SL183005-A-XL-C3**

Cylindrical roller bearing

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



Your current product variant

Design	A	Internal Variant A
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	25 mm	Bore diameter
D	47 mm	Outside diameter
B	16 mm	Width
C_r	35.000 N	Basic dynamic load rating, radial
C_{0r}	32.000 N	Basic static load rating, radial
C_{ur}	5.600 N	Fatigue load limit, radial
n_G	10.900 1/min	Limiting speed
n_{gr}	6.000 1/min	Reference speed
$\approx m$	130 g	Weight





Mounting dimensions

$d_{a \min}$	34,6 mm	Minimum diameter shaft shoulder
$d_{c \min}$	34,5 mm	Minimum shaft shoulder
$D_{a \max}$	38,5 mm	Maximum diameter of housing shoulder
$D_{e \min}$	42,5 mm	Minimum diameter of housing shoulder
$r_{a \max}$	0,6 mm	Maximum recess radius
E	42,5 mm	Raceway diameter outer ring

Dimensions

r_{\min}	0,6 mm	Minimum chamfer dimension
s	1,5 mm	Axial displacement
d_1	34,6 mm	Maximum rib diameter inner ring
$D_1 \min$	38,5 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