

**SL184956-A-C3** [↗](#)

## Cylindrical roller bearing

Cylindrical roller bearing SL18..-A, full complement roller set, two-row, semi-locating bearing, 1 rib on outer ring, 3 ribs on inner ring, type SL18

## 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 (PN)
Number of rolling element rows	2	Double-row design

## Main Dimensions &amp; Performance Data

d	280 mm	Bore diameter
D	380 mm	Outside diameter
B	100 mm	Width
C <sub>r</sub>	1.150.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	2.650.000 N	Basic static load rating, radial
C <sub>ur</sub>	300.000 N	Fatigue load limit, radial
n <sub>G</sub>	940 1/min	Limiting speed
n <sub>gr</sub>	520 1/min	Reference speed
≈m	33,1 kg	Weight



### Mounting dimensions

$d_{c \text{ min}}$	316,5 mm	Minimum shaft shoulder
$d_{a \text{ min}}$	316,5 mm	Minimum diameter shaft shoulder
$D_{a \text{ max}}$	343,6 mm	Maximum diameter of housing shoulder
$r_{a \text{ max}}$	2,1 mm	Maximum recess radius
$r_{a1 \text{ max}}$	2 mm	Maximum recess radius
$D_{e \text{ min}}$	344,6 mm	Minimum diameter of housing shoulder






### Dimensions

$r_{\text{min}}$	2,1 mm	Minimum chamfer dimension
$r_{1 \text{ min}}$	2,1 mm	Minimum chamfer dimension
$s$	3,5 mm	Axial displacement
$C$	50 mm	Distance to lubrication hole
$d_1$	316,5 mm	Maximum rib diameter inner ring
$D_1 \text{ min}$	344,6 mm	Minimum rib diameter outer ring
$E$	353,34 mm	Raceway diameter outer ring

### Temperature range

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

### Characteristics

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