

**SL04180-D-PP**

## Cylindrical roller bearing

Cylindrical roller bearing SL04...-D-PP, full complement roller set, two-row, locating bearing, central rib on outer ring, 3 ribs on inner ring, type SL04

## Technical information

**Your current product variant**

Design	D	New outer Contour
Sealing	PP	Contact Seal on both sides
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	180 mm	Bore diameter
D	240 mm	Outside diameter
B	80 mm	Width
$C_r$	500.000 N	Basic dynamic load rating, radial
$C_{0r}$	1.080.000 N	Basic static load rating, radial
$C_{ur}$	134.000 N	Fatigue load limit, radial
$n_G$ Grease	750 1/min	Limiting speed for grease lubrication
$\approx m$	9,2 kg	Weight



### Mounting dimensions

C <sub>a1</sub>	65 mm	Mounting dim for snap ring WRE (not included in delivery) Tolerance: 0/-0,2
C <sub>a2</sub>	61 mm	Mounting dim for retaining ring to DIN 471 (not incl. In delivery) Tol: 0/-0,2
d <sub>1</sub>	203,5 mm	Rib diameter inner ring
d <sub>2</sub>	216 mm	Sealing diameter (rib)
d <sub>3</sub>	260 mm	Outside diameter of snap ring WRE
d <sub>1 min</sub>	203,5 mm	Minimum diameter shaft shoulder
	30 °	Chamfer angle
	-0,2 mm	Lower distance snap ring tolerance
	-0,2 mm	Lower distance retaining ring tolerance
	0 mm	Upper distance snap ring tolerance
	0 mm	Upper distance retaining ring tolerance
	0 mm	Lower distance ring groove tolerance
	0,2 mm	Upper distance ring groove tolerance

### Dimensions

C	79 mm	Width, outer ring
C <sub>1</sub>	71,2 mm	Distance ring grooves
D <sub>1</sub>	236 mm	Diameter of groove
m	5,2 mm	Width of groove
r <sub>min</sub>	0,6 mm	Minimum chamfer dimension
t	1,8 mm	Chamfer width
X	64 mm	Distance between rolling elements

### Temperature range

T <sub>min</sub>	-20 °C	Operating temperature min.
T <sub>max</sub>	80 °C	Operating temperature max.



### Characteristics

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Radial load



Axial load in one direction



Axial load in two directions



Lifetime lubrication, freedom from maintenance



Grease Lubrication



Sealed on both sides