

**SL045024-D-PP-C5-GA22**

## 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
Type of seal	PP	Contact Seal on both sides
Radial internal clearance	C5 (Group 5)	Internal clearance larger than C4
Tolerance class	PN	Normal (PN)
Number of rows	2	Double-row design

## Main Dimensions &amp; Performance Data

d	120 mm	Bore diameter
D	180 mm	Outside diameter
B	80 mm	Width
$C_r$	410.000 N	Basic dynamic load rating, radial
$C_{0r}$	740.000 N	Basic static load rating, radial
$C_{ur}$	101.000 N	Fatigue load limit, radial
$n_G$ Grease	1.090 1/min	Limiting speed for grease lubrication
$\approx m$	6,694 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>	63 mm	Mounting dim for retaining ring to DIN 471 (not incl. In delivery) Tol: 0/-0,2
d <sub>1</sub>	141 mm	Rib diameter inner ring
d <sub>2</sub>	153 mm	Sealing diameter (rib)
d <sub>3</sub>	196 mm	Outside diameter of snap ring WRE
d <sub>1 min</sub>	141,5 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>	176 mm	Diameter of groove
m	4,2 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