

**SL04170-D-PP-2NR** [↗](#)

## Cylindrical roller bearing

Cylindrical roller bearing SL04...-D-PP-2NR, 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
Holding Rings	2NR	Two retaining rings included
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	170 mm	Bore diameter
D	230 mm	Outside diameter
B	80 mm	Width
C <sub>r</sub>	490.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	1.030.000 N	Basic static load rating, radial
C <sub>ur</sub>	129.000 N	Fatigue load limit, radial
n <sub>G</sub> Grease	790 1/min	Limiting speed for grease lubrication
≈m	8,793 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>	194 mm	Rib diameter inner ring
d <sub>2</sub>	206 mm	Sealing diameter (rib)
d <sub>3</sub>	250 mm	Outside diameter of snap ring WRE
d <sub>1 min</sub>	194 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>	226 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.