

**SL045004-PP** [↗](#)

Cylindrical roller bearing

Cylindrical roller bearing SL04...-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

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	20 mm	Bore diameter
D	42 mm	Outside diameter
B	30 mm	Width
C_r	41.500 N	Basic dynamic load rating, radial
C_{0r}	51.000 N	Basic static load rating, radial
C_{ur}	7.000 N	Fatigue load limit, radial
n_G Grease	5.500 1/min	Limiting speed for grease lubrication
$\approx m$	189,55 g	Weight



Mounting dimensions

C _{a1}	21,5 mm	Mounting dim for snap ring WRE (not included in delivery) Tolerance: 0/-0,2
C _{a2}	21 mm	Mounting dim for retaining ring to DIN 471 (not incl. In delivery) Tol: 0/-0,2
d ₁	31 mm	Rib diameter inner ring
d ₂	34 mm	Sealing diameter (rib)
d ₃	47 mm	Outside diameter of snap ring WRE
d _{1 min}	31 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	29 mm	Width, outer ring
C ₁	24,7 mm	Distance ring grooves
D ₁	40,2 mm	Diameter of groove
m	1,8 mm	Width of groove
r _{min}	0,3 mm	Minimum chamfer dimension
t	0,5 mm	Chamfer width
X	22,5 mm	Distance between rolling elements

Temperature range

T _{min}	-20 °C	Operating temperature min.
T _{max}	80 °C	Operating temperature max.



Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Lifetime lubrication, freedom from maintenance



Grease Lubrication



Sealed on both sides