

**SL04220-D-PP-RR-C3-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
Sealing	PP	Contact Seal on both sides
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Tolerance class	PN	Normal (ISO 492:2023)
Number of rows	2	Double-row design

Main Dimensions & Performance Data

d	220 mm	Bore diameter
D	300 mm	Outside diameter
B	95 mm	Width
C_r	700.000 N	Basic dynamic load rating, radial
C_{0r}	1.550.000 N	Basic static load rating, radial
C_{ur}	185.000 N	Fatigue load limit, radial
n_G Grease	610 1/min	Limiting speed for grease lubrication
$\approx m$	18,422 kg	Weight



Mounting dimensions

C _{a1}	75 mm	Mounting dim for snap ring WRE (not included in delivery) Tolerance: 0/-0,2
C _{a2}	73 mm	Mounting dim for retaining ring to DIN 471 (not incl. In delivery) Tol: 0/-0,2
d ₁	249 mm	Rib diameter inner ring
d ₂	264 mm	Sealing diameter (rib)
d ₃	322 mm	Outside diameter of snap ring WRE
d _{1 min}	249 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	94 mm	Width, outer ring
C ₁	83,2 mm	Distance ring grooves
D ₁	294 mm	Diameter of groove
m	5,2 mm	Width of groove
r _{min}	1 mm	Minimum chamfer dimension
t	2 mm	Chamfer width
X	72 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