

**SL045020-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 (PN)
Number of rolling element rows	2	Double-row design

Main Dimensions & Performance Data

d	100 mm	Bore diameter
D	150 mm	Outside diameter
B	67 mm	Width
C_r	330.000 N	Basic dynamic load rating, radial
C_{0r}	550.000 N	Basic static load rating, radial
C_{ur}	79.000 N	Fatigue load limit, radial
n_G Grease	1.300 1/min	Limiting speed for grease lubrication
$\approx m$	3,731 kg	Weight



Mounting dimensions

C _{a1}	54 mm	Mounting dim for snap ring WRE (not included in delivery) Tolerance: 0/-0,2
C _{a2}	51 mm	Mounting dim for retaining ring to DIN 471 (not incl. In delivery) Tol: 0/-0,2
d ₁	117,5 mm	Rib diameter inner ring
d ₂	128 mm	Sealing diameter (rib)
d ₃	162 mm	Outside diameter of snap ring WRE
d _{1 min}	118 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	66 mm	Width, outer ring
C ₁	59,2 mm	Distance ring grooves
D ₁	147 mm	Diameter of groove
m	4,2 mm	Width of groove
r _{min}	0,6 mm	Minimum chamfer dimension
t	1,5 mm	Chamfer width
X	54 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