

SL045014-D-PP [↗](#)

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

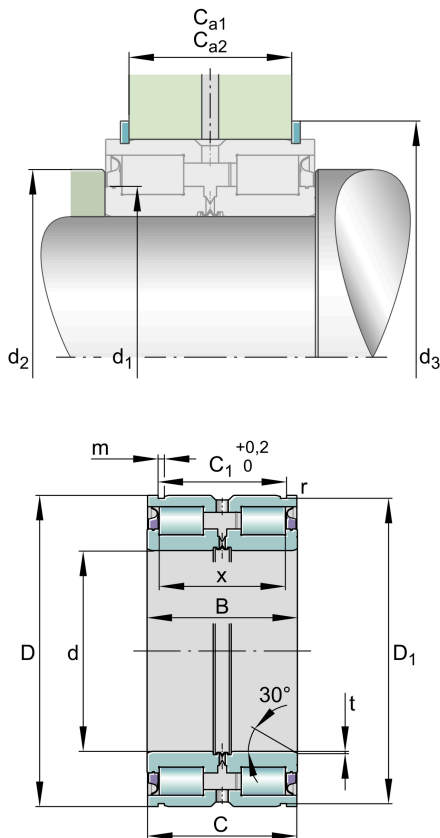
Technical information

Main Dimensions & Performance Data

d	70 mm	Bore diameter
D	110 mm	Outside diameter
B	54 mm	Width
C_r	175,000 N	Basic dynamic load rating, radial
C_{0r}	275,000 N	Basic static load rating, radial
C_{ur}	37,000 N	Fatigue load limit, radial
$n_{G \text{ Grease}}$	1,850 1/min	Limiting speed for grease lubrication
$\approx m$	1.87 kg	Weight

Mounting dimensions

C_{a1}	43 mm	Mounting dim for snap ring WRE (not included in delivery) Tolerance: 0/-0,2
C_{a2}	40 mm	Mounting dim for retaining ring to DIN 471 (not incl. In delivery) Tol: 0/-0,2
d_1	85 mm	Rib diameter inner ring
d_2	91 mm	Sealing diameter (rib)
d_3	119 mm	Outside diameter of snap ring WRE
$d_{1 \text{ min}}$	85 mm	Minimum diameter shaft shoulder
$r_{a \text{ max}}$	0.6 mm	Maximum recess radius
	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





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Dimensions

C	53 mm	Width, outer ring
C ₁	48.2 mm	Distance ring grooves
D ₁	107.1 mm	Diameter of groove
m	4.2 mm	Width of groove
r _{min}	0.6 mm	Minimum chamfer dimension
t	1 mm	Chamfer width
X	42 mm	Distance between rolling elements

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	80 °C	Operating temperature max.