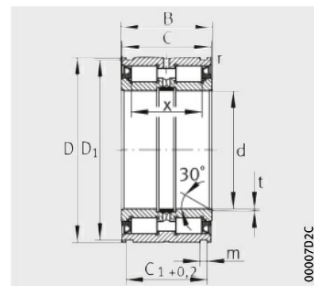
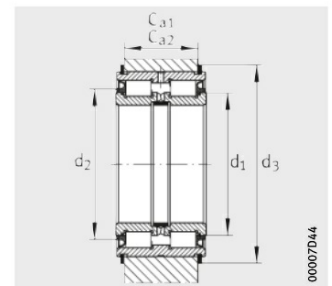


SL04 5020 PP

Cylindrical roller bearings with snap ring grooves Full complement, sealed



SL0450...-PP
SL04...-PP



Mounting dimensions

Technical sheet of SL04 5020 PP

What are the Benefits of choosing SL04 5020 PP bearings?

- **Ultimate radial load capacity:** No cage required, allowing for more rollers and increasing radial load capacity by 15%-30%.
- **High rigidity:** Numerous rollers result in minimal deformation under stress and extremely high radial stiffness.
- **High impact resistance:** Numerous rollers in the load-bearing area effectively withstand heavy loads and impact loads.
- **Compact structure:** Small axial width saves installation space.
- **Dedicated for low-speed, heavy-load applications:** Particularly suitable for applications with low speeds but extremely high loads (such as rolling mills, cranes, and gearboxes).

Type :	Double-row full complement cylindrical roller bearings	
Model :	SL04 5020 PP	
Main demensions :	100 mm × 150 mm × 67 mm	Bore Dia × Outside Dia × Width Dia
M kg:	3.714	Mass
HS Code :	8482500090	Bearing customs code
d mm:	100	inner ring diameter

D mm:	150	Outer ring diameter
B(T) mm:	67	Overall Width
Cr kN:	329.059	Radial dynamic load rating
COr kN:	549.981	Radial static load rating
Grease r/min:	1241	Reference speed

Detailed parameters and installation dimensions:

Part Number	SL04 5020 PP
Series	SL0450..-PP
Bearing Mass - m	3.714 kg 8.188 lb
Tolerance class	PN
Dimension Inside - d ϕ (mm)	100
Dimension Outside - D Φ (mm)	150
Dimension Width - B (mm)	67
Dimension Width - C (mm)	66
Ring	outer ring(central), inner ring(3)
Dimension Inside - d ϕ (inch)	3.937
Dimension Outside - D Φ (inch)	5.905
Dimension Width - B (inch)	2.638
Dimension Width - C (inch)	2.598
Radial internal clearance	CN
Seal	PP = Seals on both sides, for cable sheave bearings
Bearing Type	Cylindrical roller bearings with snap ring grooves Full complement, sealed
Dimension - C ₁ (+0.2)	59.2 mm 2.331 inch
Dimension - D ₁	147 mm 5.787 inch
Dimension - m	4.2 mm 0.165 inch
Dimension - r(min.)	0.6 mm 0.024 inch
Dimension - t	1.5 mm 0.059 inch
Dimension - X	54 mm 2.126 inch
Chamfer angle	30
Equivalent	SL045020-PP
Alias	locating bearing
Mounting dimensions - C _{a1} (-0.2)	54 mm 2.126 inch
Mounting dimensions - C _{a2} (-0.2)	51 mm 2.008 inch
Roller Material	GCr15SiMn
Mounting dimensions - d ₁	118 mm 4.646 inch
Mounting dimensions - d ₂	128 mm 5.039 inch
Mounting dimensions - d ₃	162 mm 6.378 inch
Mounting dimensions - d ₁ (min)	118 mm 4.646 inch
Manufacturer Part Code	SL045020PP
Bore Type	Z = cylindrical bore
Radial Dynamic Capacity - C _r	329059 N 73972 lbf

Ring Material	GCr15SiMn
Radial static Capacity - C_{0r}	549981 N 123635 lbf
Type	SL04
Temperature - T(min)	-30 °C
Temperature - T(max)	80 °C
Radial Fatigue Capacity - C_{ur}	78967 N 17751 lbf
Limiting speed (grease) - n_b	1241 min^{-1}
Rows NO.	Two
Application	Cable sheave bearings
Snap ring WRE	WRE150
Retaining ring to DIN 471	150X4

What are the applications of the SL04 5020 PP bearing?

- **Rolling Mills/Metallurgy:** Used in rolling mill roll necks and straighteners. Withstands extremely high radial loads and impacts, adaptable to harsh working conditions.
- **Crane/Port Machinery:** Used in traveling mechanisms and drums. Extremely high load-bearing capacity, impact resistant, and reliable operation under heavy loads.
- **Gearboxes/Mining:** Used in low-speed shafts of large reducers and crushers. High rigidity, long service life, adaptable to frequent start-stop operations.

Tradebearing(TBS): <https://en.tradebearings.com/>

Email: admin@tradebearings.com

Whatsapp/Mob.: +86 15906428604