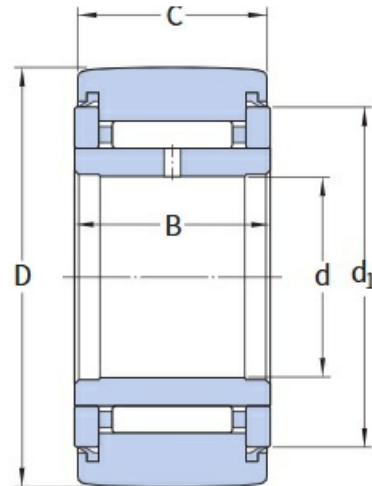


NATR6PP

Support rollers with flange rings, with an inner ring



Technical sheet of NATR6PP

What are the Benefits of choosing NATR6PP bearings?

- **One-piece design:** The bearing and roller are integrated, eliminating the need for bearing housings; they are directly mounted via pins.
- **High load-bearing capacity and wear resistance:** Thick-walled outer ring with hardening treatment allows for extremely high radial loads, providing wear and impact resistance.
- **Smooth operation:** Internal double-row ball/roller design results in low friction and low starting torque, suitable for reciprocating motion.
- **Easy installation:** Can be fitted with an eccentric sleeve to adjust clearance, simplifying mechanical design and requiring no maintenance for its lifetime.

Type :	Track roller bearings	
Model :	NATR6PP	
Main demensions :	6 mm × 19 mm × 12 mm	Bore Dia × Outside Dia × Width Dia
M kg:	0.0205	Mass
d mm:	6	inner ring diameter
D mm:	19	Outer ring diameter
B(T) mm:	12	Overall Width
Cr kN:	3.3	Radial dynamic load rating

C_{0r} kN:	3.8	Radial static load rating
Oil r/min:	5600	Limiting speed

Detailed parameters and installation dimensions:

Part Number	NATR6PP
Units	Metric
Bearing Type	Support rollers with flange rings, with an inner ring
Radial Dynamic Capacity - C _r	3300 N 741 lbf
Radial Static Capacity - C _{0r}	3800 N 854 lbf
Fatigue load limit - P _u	415 N 93 lbf
Temperature - T(min)	-30 °C
Temperature - T(max)	100 °C
Relubrication feature	Yes
Type	NATR..PP
Max. dynamic radial load - F _r max.	3750 N 843 lbf
Max. static radial loads - F _{0r} max.	5400 N 1213 lbf
Speed ratings - n _G	5600 min ⁻¹
Heat stabilized	140 °C (280 °F)
Load	radial
Sealing	Seal on both sides
Sealing type	Contact
Cage type	Window-type, centring depends on size and design
Cage Material	Sheet steel
Dimension Outside - D Φ	19 mm 0.748 inch
Outside diameter flange ring - d ₁	13.9 mm 0.547 inch
Dimension Width - B	12 mm 0.472 inch
Dimension Inside - d φ	6 mm 0.236 inch
Dimension Width - C	11 mm 0.433 inch
Outer ring	Crowned
Rolling elements	Needle rollers
Rows NO.	One
Radial internal clearance	Between C2 and CN
Interchangeable	SKF NATR6PP
Number of flanges, outer ring	2
Tolerance class	Other
Material	GCr15SiMn
Coating	No
Lubricant	Grease
Bearing part	Complete track roller

Axial guidance of outer ring	Yes
Manufacturer Part Code	NATR 6 PP
Bearing Mass - m	0.0205 kg 0.045 lb
Design	NATR = Support roller with two pressed-on flange rings, fitted with a needle roller and cage assembly.

What are the applications of the NATR6PP bearing?

- **Conveying equipment:** Used in roller conveyors and elevators. Heavy-duty and stable operation, adaptable to frequent start-stop cycles.
- **Automated machinery:** Used in linear guides and packaging equipment. Low friction, fast response, and precise positioning.
- **Material handling:** Used in AGVs and stacker cranes. Wear-resistant and impact-resistant, adaptable to complex working conditions.

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