

## Customized Bearing

### Track Roller bearings-**NNTR 65x160x75.2ZL**



Designation	<b>NNTR 65x160x75.2ZL</b>
Dimensions(mm)	
D	<b>160</b>
d	<b>65</b>
C	73
B	<b>75</b>
d1	82
r min	3
r12 min	<b>2</b>
Basic load ratings(kN)	
dynamic C	255
static Co	345
Fatigue load limit(kN)	
Pu	46.5
Maximum radial forces(kN)	
dynamic Fr	285
static For	405
Limiting speed(r/min)	600
Mass(kg)	8.8
Delivery	7-35 days
Drawing	Available
Original	China
Package	Single box
Brand	MONTON

## Support rollers

MONTON support rollers have an internal design very similar to that of a needle or cylindrical roller bearing. They are characterized by a thick walled outer ring that enables them to accommodate shock loads while reducing distortion and bending stresses. The outer ring running surface is crowned as standard. However, support rollers with a cylindrical (flat) running surface are available for certain applications.

These pre-greased, ready-to-mount units are suitable for all types of cam drives, tracks and conveyor systems.

## Support rollers without flange rings

MONTON Supplies support rollers without separate flange rings in two designs and variants:

- with or without an inner ring
- open or sealed with two integral flanges in the outer ring

MONTON support rollers without flange rings are designed for applications where associated components limit axial movement of the outer ring.

Support rollers with an inner ring have a slightly extended inner ring to enable the necessary axial movement.

MONTON Support rollers without an inner ring are intended for arrangements where the pin or shaft can be hardened and ground.

### Support rollers with flange rings

MONTON Support rollers with flange rings are non-separable units and are available in different designs and variants: • with gap-type, labyrinth, polyamide or rubber seals

- with needle or cylindrical rollers
- with one or two rows of rollers
- with a cage-guided or a full complement roller set



### NATR design support rollers

NATR design support rollers are fitted with a needle roller and cage assembly. The outer ring is guided axially by pressed-on flange rings. The narrow gap between the flange rings and the outer ring serves as a gap-type seal.

### NATV design support rollers

NATV design support rollers are similar to the NATR design, except that they have a full complement of needle rollers. Therefore, NATV support rollers can accommodate heavier radial loads than NATR support rollers. However,

because of the kinematic behaviour of the needle rollers, they are not able to operate at

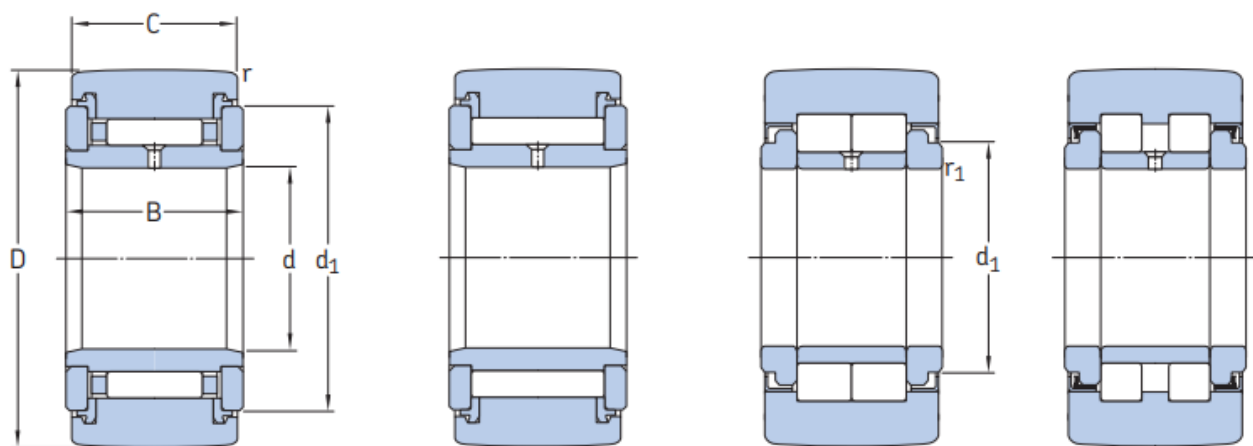
the same high speeds and require more frequent relubrication.

### **NATR and NATV design support rollers, designation suffix PPA**

NATR and NATV design support rollers with the designation suffix PPA have axial sliding rings made of polyamide 66. In the radial direction, the sliding ring forms a narrow labyrinth seal with the outer ring to protect against coarse contaminants. In the axial direction, the sliding ring serves as a contact seal to reliably retain grease in the bearing. This improves the lubrication conditions in the bearing, keeps friction and heat low, and extends grease service life.

### **NUTR .. A design support rollers**

NUTR .. A design support rollers are based on double row full complement cylindrical roller bearings. The outer ring has two integral flanges to axially guide the roller complements. A loose flange ring on both sides of the inner ring provides axial guidance for the outer ring via the roller complements. This enables NUTR .. A design support rollers to accommodate axial loads that occur when operating in a tilted or inclined position and to operate at relatively high speeds.



NATR .. PPA

NATV .. PPA

NUTR .. A

PWTR ...2RS

### **NNTR ...2ZL design support rollers**

NNTR ...2ZL design support rollers have a full complement of rollers and can accommodate very heavy radial loads. NNTR ...2ZL design support rollers incorporate a lamellar seal on both sides. These seals are inserted into recesses in the shoulders of the flange rings and the outer ring and provide support to hold the bearing together. Three integral flanges in the outer ring

Technical drawing of a 4x4 wheel hub assembly. The drawing shows a top-down view of the hub with four mounting points. A dimension line on the left indicates a distance of  $d_1$  between the centerlines of the two inner mounting points. A dimension line on the right indicates a distance of  $d_2$  between the centerlines of the two outer mounting points. A 45-degree angle is shown at the top right corner of the hub assembly.

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