

# Pipe Rollers

## Set Screw Type (L=100-500)

**Pipe Rollers – Set Screw Type**

Type	Material Core	Surface Treatment (Lining)	Hardness
ROLNAU	Aluminum Alloy	Urethane (Natural Color)	Shore A90
ROLNAG			Shore A70
ROLNAH			Shore A50

Ⓢ Surface treatment may not be applied to shaft end and I.D.  
 Ⓢ Urethane is baked on the outer circumference of the core material.  
 Ⓢ Since the drawing surface of pipe is unpolished, the inner diameter d1 is distorted to some extent.

RoHS 10

Part Number Type	D	Urethane Thickness T	d <sub>10</sub>	L	d <sub>1</sub>			D <sub>1</sub>	B	M
					Aluminum	Steel	Stainless Steel			
Urethane Baked ROLNAU ROLNAG ROLNAH	30	3	8	100	15	15.8 (18)	18	22	10	M4
			10							
			12							
			15							
			20							
			25							
	40	5	12	150	17	22.7 (22)	22	33	10	M5
			15							
			20							
			25							
			30							
			35							
50	10	15	200	22	30 (28)	28	40	10	M6	
		20								
		25								
		30								
		35								
		40								
60	10	20	250	27	—	—	45	10	M6	
		25								
		30								
		35								
		40								
		45								
80	10	25	300	32	—	—	55	15	M8	
		30								
		35								
		40								
		45								
		50								

Ⓢ Urethane may discolor over time, but there is no effect on physical properties.

**Part Number Example**

Part Number	-	T	-	d	-	L
ROLNLA50	-	20	-	L300		
ROLNLM30	-	8	-	L350		
ROLNAU60	-	T10	-	L400		

**Part Number Alterations**

Part Number	-	T	-	d	-	L (LC)
ROLNLA30	-	12	-	LC315		

**Alteration**

**Spec.**

**Code** LC

**Ordering Code:** LC151 (Change L to LC)  
LC=1mm Increment  
Ⓢ 50 ≤ LC ≤ 499



# Long Pipe Rollers

## Bearing Type

Ⓢ Carbon Steel material resists bending.

**Long Pipe Rollers – Set Screw Type / Bearing Type**

Type	Material Core	Surface Treatment	
L=100-500	CORE	Clear Anodize	
ROLNLA			Aluminum Alloy
ROLNLM			Steel
ROLNLS	304 Stainless Steel	Electroless Nickel Plating	

Ⓢ Surface treatment may not be applied to shaft end and I.D.  
 Ⓢ Since the drawing surface of pipe is unpolished, the inner diameter d1 is distorted to some extent.

RoHS 10

### L100-500

Part Number Type	D	d <sub>10</sub>	L	d <sub>1</sub>			D <sub>1</sub>	B	M		
				Aluminum	Steel	Stainless Steel					
Core Only ROLNLA ROLNLM ROLNLS	30	8	100	15	15.8	18	22	10	M4		
										10	
										12	
										15	
										20	
										25	
	40	10	12	150	17	22.7	22	33	10	M5	
											15
											20
											25
											30
											35
50	15	17	200	22	30	28	40	10	M6		
										20	
										25	
										30	
										35	
										40	
60	20	22	250	27	—	—	45	10	M6		
										30	
										35	
										40	
										45	
										50	
80	25	27	300	32	—	—	55	15	M8		
										35	
										40	
										45	
										50	
										55	

### L550-1000

Part Number Type	D	d <sub>10</sub>	L	d <sub>1</sub>			D <sub>1</sub>	B	M	
				Aluminum	Steel	Stainless Steel				
ROLNT Steel	40	12	550	22	22.7	22	32	10	M4	
										15
										600
	50	15	750	27	40	28	43	10	M6	
										20
										700
ROLNS Stainless Steel	60	25	800	32	49.5	—	53	10	M6	
										25
										850
	80	35	1000	41	68.6	—	72	15	M8	
										25
										900

Ⓢ Steel (1020 Carbon Steel) applies to sizes with \*.

### Set Screw Type

Type	D	Available Types									
		L550	L600	L650	L700	L750	L800	L850	L900	L950	L1000
ROLNT (Steel)	40	*	*	*	*	*	*	*	*	*	*
	50	*	*	*	*	*	*	*	*	*	*
	60	*	*	*	*	*	*	*	*	*	*
	80	*	*	*	*	*	*	*	*	*	*
ROLNS (Stainless Steel)	40	*	*	*	*	*	*	*	*	*	*
	50	*	*	*	*	*	*	*	*	*	*
ROLNA (Aluminum)	40	*	*	*	*	*	*	*	*	*	*
	50	*	*	*	*	*	*	*	*	*	*
	60	*	*	*	*	*	*	*	*	*	*

**Part Number Example**

Part Number	-	d	-	L (LC)
ROLNLA50	-	20	-	LC315
ROLNLM30	-	9	-	L350

**Alteration**

**Spec.**

**Code** LC

**Ordering Code:** LC151 (Change L to LC)  
LC=1mm Increment  
Ⓢ 50 ≤ LC ≤ 499 (Type: L=100-500)  
Ⓢ 501 ≤ LC ≤ 999 (Type: L=500-1000)

**Long Pipe Rollers – Set Screw Type / Bearing Type**

Type	Material Core	Surface Treatment
With Bearing	RORC	Steel
	RORSS	304 Stainless Steel
	RORAA	Aluminum Alloy
		Electroless Nickel Plating
		Clear Anodize

Ⓢ Bearings can be detached. Temporarily attached with tape for shipping.

Ⓢ Since the drawing surface of pipe is unpolished, the inner diameter d1 is distorted to some extent.

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### With Bearings

Part Number Type	D	d	L	D <sub>1</sub>	B <sub>1</sub>	B	d <sub>1</sub>			d <sub>2</sub>		Bearing Used		
							Aluminum	Steel	Stainless Steel	Steel Stainless Steel	Aluminum			
RORC Steel	40	8	550	24	8	12	22.7	22	22	15	15	B628ZZ		
													600	
													600	
	50	10	12	700	30	9	15	40	28	27	17	17	B6200ZZ	
														700
														700
RORSS Stainless Steel	60	12	800	32	10	15	49.5	—	32	22	22	B6201ZZ		
													850	
													850	
	80	15	15	900	52	9	15	49.5	—	32	22	22	B6002ZZ	
														950
														1000
RORAA Aluminum	80	25	1000	52	15	20	68.6	—	41	41	38	B6205ZZ		
													30	
													30	

Type	D	Available Types									
		L550	L600	L650	L700	L750	L800	L850	L900	L950	L1000
RORC Steel	40	*	*	*	*	*	*	*	*	*	*
	50	*	*	*	*	*	*	*	*	*	*
	60	*	*	*	*	*	*	*	*	*	*
	80	*	*	*	*	*	*	*	*	*	*
RORSS Stainless Steel	40	*	*	*	*	*	*	*	*	*	*
	50	*	*	*	*	*	*	*	*	*	*
RORAA Aluminum	40	*	*	*	*	*	*	*	*	*	*
	50	*	*	*	*	*	*	*	*	*	*
	60	*	*	*	*	*	*	*	*	*	*

**Part Number Example**

Part Number	-	d	-	L (LC)
RORC60	-	15	-	LC565
RORAA50	-	12	-	L1000

**Alteration**

**Spec.**

**Code** LC

**Ordering Code:** LC551 (Change L to LC)  
LC=1mm Increment  
Ⓢ 501 ≤ LC ≤ 999