

# Pipe Roller Economy Type

## With Bearings (L=100~500)

**With Bearings**

Type	Material		Surface Treatment (Lining)	Hardness
	Core	Bearing		
RORELA	Aluminum Alloy	Steel	Clear Anodize	-
RORELAU			Urethane (Natural Color)	Shore A90
RORELAG			Shore A70	
RORELAH			Shore A50	

Surface treatment is not 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.

**Core Only**  
 Dimensions: D, D<sub>2H6</sub>, d<sub>1</sub>, B, L<sup>0</sup><sub>-0.2 (When L>300, L-0.3)</sub>, d

**Urethane Baked**  
 Dimensions: D, D<sub>2H6</sub>, d<sub>1</sub>, B, L<sup>0</sup><sub>-0.2 (When L>300, L-0.3)</sub>, d

⊕ Bearings can be detached. Temporarily attached with tape for shipping. ⊕ O.D. of this product is D+2T. (Different from other rollers)

Part Number Type	D	Urethane Thickness T	d	L	Bearing Used	D <sub>1</sub>	B	d <sub>1</sub>
RORELA	28	8	150	B608ZZ	22	7	20	
		10	200	B6900ZZ		6		
Urethane Baked	38	5	15	250	B6002ZZ	32	9	30
RORELAU			20	300	B6804ZZ		7	
RORELAG			15	350	B6202ZZ	35	11	30
RORELAH			20	400	B6904ZZ	37	9	30
	48		25	450	B6905ZZ	42	7	40
		30	500	B6806ZZ				

⊕ For bearing detailed dimensions P:879 ⊕ Relief is added to the end faces to prevent contacts with the bearing inner ring.

Ordering Example: Part Number - T - d - L  
 RORELA38 - T5 - 15 - L300

Alterations: Part Number - T - d - L(LC)  
 RORELA38 - T5 - 15 - LC223

Days to Ship: [Configure Online](#)

Price: [Configure Online](#)

Alteration Spec. L Dimension: Ordering Code LC151 (Change L to LC), LC=1mm Increment, 50≤LC≤499

**Core Only**

Type	D	Unit Price								
		L100	L150	L200	L250	L300	L350	L400	L450	L500
RORELA	18									
	28									
	38									
	48									

**Urethane Baked**

Type	D	T	Unit Price												
			RORELAU (Unit Price x 1.0)	RORELAG (Unit Price x 1.1)	RORELAH (Unit Price x 1.1)	L100	L150	L200	L250	L300	L350	L400	L450	L500	
RORELAU	18	3													
	28														
	38														
	48														
RORELAG	18	5													
	28														
	38														
	48														

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

# Pipe Roller with One Way Clutch

## With Bearings (L=50~300)

**RoHS10**

Type	Material		Surface Treatment (Lining)	Hardness
	Core	Bearing		
ROROWA	Aluminum Alloy	Steel	Clear Anodize	-
ROROWAU			Urethane (Natural Color)	Shore A90
ROROWAG			Shore A70	
ROROWAH			Shore A50	

Surface treatment is not 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.

**Core Only**  
 Dimensions: D, D<sub>2H6</sub>, d<sub>1</sub>, B, L<sup>0</sup><sub>-0.2</sub>, d

**Urethane Baked**  
 Dimensions: D, D<sub>2H6</sub>, d<sub>1</sub>, B, L<sup>0</sup><sub>-0.2</sub>, d

⊕ One way clutch is press fit.  
 ⊕ Bearings can be detached. Temporarily attached with tape for shipping.  
 ⊕ O.D. of Urethane bonded product is D+2T. (Different from other rollers)  
 ⊕ The rotation direction of the One Way Clutch is marked with an arrow sticker.  
 ⊕ Hardened shaft with h5 (h6) tolerance is recommended.

**One Way Clutch construction**  
 Locked: When locked, the shaft torque is transmitted to the housing.  
 Free: When free spinning, the shaft torque is not transmitted to the housing.

Part Number Type	D	Urethane Thickness T	d	L 10mm Increment	One Way Clutch Allowable Torque (Nm)		Bearing Used	D <sub>1</sub>	D <sub>2</sub>	B <sub>1</sub>	B	d <sub>1</sub>
					Shaft: h5 Tolerance	Shaft: h6 Tolerance						
Core Only ROROWA	20	3	8	50~100	3.2	1.6	B688ZZ	12	16	5	12	10
	30		12	50~300	12.2	6.1	B6901ZZ	18	24	6	16	15
	40		20		B6804ZZ	26	32	7	16	22		
	20		B6904ZZ		26	37	9	16	22			
	25		B6905ZZ		32	42	9	20	27			

⊕ Commercially available HF type one way clutch is used. ⊕ Relief is added to the end faces to prevent contacts with the bearing inner ring.

Ordering Example: Part Number - T - d - L  
 ROROWA30 - T5 - 12 - L300

Alterations: Part Number - T - d - L(LC)  
 ROROWAU30 - T3 - 12 - LC213

Days to Ship: [Configure Online](#)

Price: [Configure Online](#)

Alteration Spec. L Dimension: Ordering Code LC151 (Change L to LC), LC=1mm Increment, 50≤LC≤299

Type	D	T	Unit Price				
			L50 ~100	L110 ~150	L160 ~200	L210 ~250	L260 ~300
Core Only ROROWA	20	-					
	30						
	40						
	50						
Urethane Baked ROROWAU (Unit Price x 1.0)	20	3					
	30						
	40						
	50						
ROROWAG (Unit Price x 1.1)	20	5					
	30						
	40						
	50						

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

**ex** Example

**Cutting process of sheet form workpiece (Film, Paper)**

Prevents rotation reversal when the line is stopped