

Pipe Roller Economy Type

With Bearings (L=100~500)

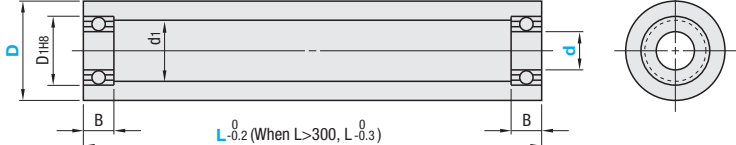
■Features: Priced ave. 30% less than conventional products by use of general purpose pipe material.

■With Bearings

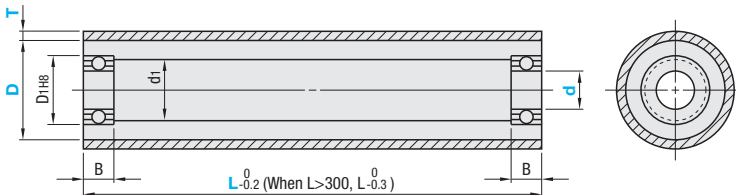
Type	Material	Surface Treatment (Lining)	Hardness
RORELA	Aluminum Alloy	Clear Anodize	-
RORELAU	Steel	Urethane (Natural Color)	Shore A90
RORELAG			Shore A70
RORELAH			Shore A50

① Surface treatment is not applied to shaft end and I.D.
② Urethane is baked on the outer circumference of the core material.
③ Since the drawing surface of pipe is unpolished, the inner diameter d1 is distorted to some extent.

Core Only



Urethane Baked



④ Bearings can be detached. Temporarily attached with tape for shipping.
⑤ O.D. of this product is D+2T. (Different from other rollers)

Part Number	Urethane Thickness T Selection	d	L Selection	Bearing Used	D1	B	d1
Type	D						
Core Only RORELA	18	8	100	B678ZZ	12	3.5	10
	28	8	150	B608ZZ	22	7	20
	38	10	200	B6900ZZ	6		
	48	15	250	B6002ZZ	9		
Urethane Baked RORELAU RORELAG RORELAH	38	20	300	B6804ZZ	32	7	30
	48	15	350	B6202ZZ	35	11	30
		20	400	B6904ZZ	37	9	
		25	450	B6905ZZ	42		
		30	500	B6806ZZ	7		40

⑥ For bearing detailed dimensions, see P989. ⑦ Relief is added to the end faces to prevent contacts with the bearing inner ring.



Ordering Example

Part Number	T	d	L
RORELA38	-	15	L300
RORELAU28	T5	10	L500



Alterations

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

Alteration	L Dimension
Spec.	 Ordering Code LC151 (Change L to LC) LC=1mm Increment ⑧ 50≤LC≤499
Code	LC

■Core Only

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

⑨ For RORELAG and RORELAH, the unit prices in the table are to be multiplied by 1.1.

■Urethane Baked

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
18	3	
28	3	
38	5	
48	5	

⑩ Urethane may discolor over time, but there is no effect on physical properties.

Pipe Roller with One Way Clutch

With Bearings (L=50~300)

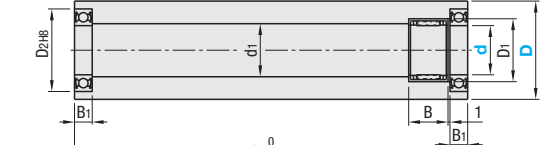
■Features: One way clutch prevents rotation reversal. It make it easier to adjust the timing when transferring.



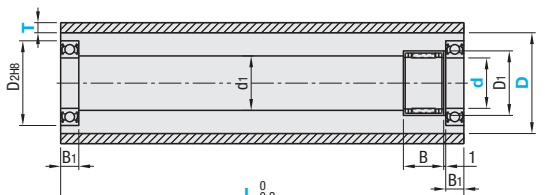
Type	Material	Surface Treatment (Lining)	Hardness
ROROWA	Aluminum Alloy	Clear Anodize	-
ROROWAU	Steel	Urethane (Natural Color)	Shore A90
ROROWAG			Shore A70
ROROWAH			Shore A50

① Surface treatment is not applied to shaft end and I.D.
② Urethane is baked on the outer circumference of the core material.
③ Since the drawing surface of pipe is unpolished, the inner diameter d1 is distorted to some extent.

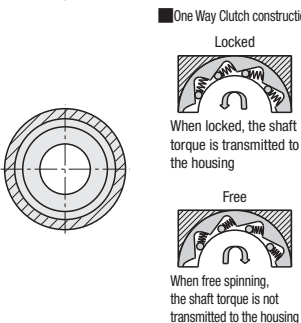
Core Only



Urethane Baked



④ One way clutch is press fit.
⑤ Bearings can be detached. Temporarily attached with tape for shipping.
⑥ O.D. of Urethane bonded product is D+2T. (Different from other rollers)
⑦ The rotation direction of the One Way Clutch is marked with an arrow sticker.



⑧ Hardened shaft with h5 (h6) tolerance is recommended.

Part Number	Urethane Thickness T Selection	d	L	One Way Clutch Allowable Torque (Nm)	Bearing Used	D1	D2	B1	B	d1
Type	D		10mm Increment	Shaft: h5 Tolerance Shaft: h6 Tolerance						
Core Only ROROWA	20	8	50~100	3.2	1.6	B688ZZ	12	16	5	12
	30	12		12.2	6.1	B6901ZZ	18	24	6	16
	40	20		28.5	14.3	B6804ZZ	26	32	7	16
	50	20		66	33	B6904ZZ	26	37	9	16
Urethane Baked ROROWAU ROROWAG ROROWAH	30	12	50~300			B6905ZZ	32	42	9	20
	40	20								
	50	25								

⑨ Commercially available HF type one way clutch is used. ⑩ Relief is added to the end faces to prevent contacts with the bearing inner ring.



Ordering Example

Part Number	T	d	L
ROROWA30	-	12	L300
ROROWAU40	T5	20	L250



Alterations

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

Alteration	L Dimension
Spec.	 Ordering Code LC151 (Change L to LC) LC=1mm Increment ⑧ 50≤LC≤299
Code	LC

⑪ For ROROWAG and ROROWAH, the unit prices in the table are to be multiplied by 1.1.

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	20	3	
	30	3	
	40	3	
	50	3	
ROROWAG	20	5	
	30	5	
	40	5	
	50	5	

⑫ Urethane may discolor over time, but there is no effect on physical properties.



Example

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

