

Pipe Roller Economy Type

With Bearings (L=100~500)

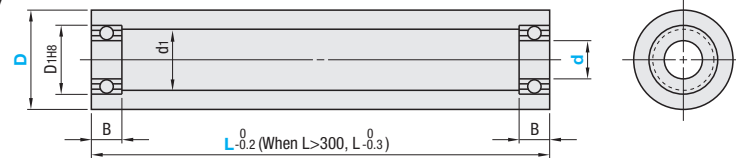
■Features: Priced ave. 30% less than conventional products by use of general purpose pipe material.

With Bearings

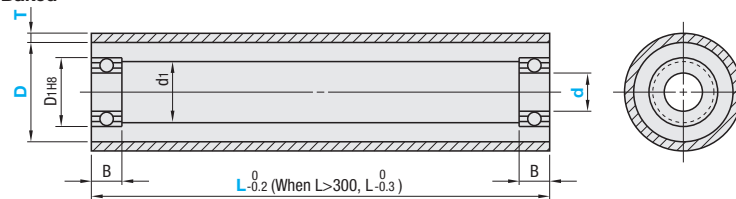
Type	Material Core	Bearing	Surface Treatment (Lining)	Hardness
RORELA	Aluminum Alloy	Steel	Clear Anodize	-
RORELAU			Urethane	Shore A90
RORELAG			(Natural Color)	Shore A70
RORELAH				Shore A50

⚠ 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



Urethane Baked



⚠ 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 Selection	d	L Selection	Bearing Used	D1	B	d1
Core Only RORELA	18	3	8	100	B678ZZ	12	3.5	10
	28		8	150	B608ZZ	22	7	20
	38		10	200	B6900ZZ	6	30	
			15	250	B6002ZZ	9		
Urethane Baked RORELAU RORELAG RORELAH	38	5	20	300	B6804ZZ	32	7	30
			15	350	B6202ZZ	35	11	
	48		20	400	B6904ZZ	37	40	
			25	450	B6905ZZ	9		
			30	500	B6806ZZ	42		7

⚠ For bearing detailed dimensions, see P989. ⚠ 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
 RORELAU28 - T5 - 10 - L500

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

Alteration Spec. L Dimension: [Diagram showing L and LC dimensions] (Ordering Code) LC151 (Change L to LC) LC=1mm Increment ⚠ 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									

⚠ 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	3											
						48	3									
18	5															
		28	5													
				38	5											
						48	5									

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

Pipe Roller with One Way Clutch

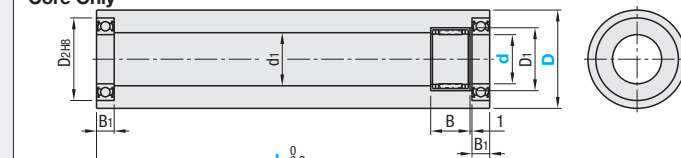
With Bearings (L=50~300)

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

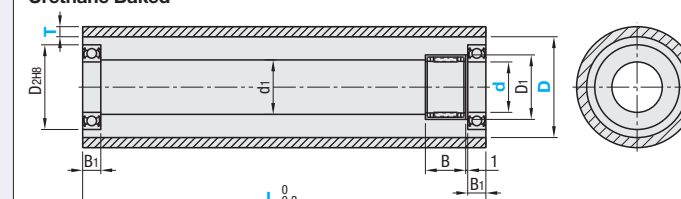
Type	Material Core	Bearing	One Way Clutch	Surface Treatment (Lining)	Hardness
ROROWA	Aluminum Alloy	Steel	SPCC	Clear Anodize	-
ROROWAU				Urethane	Shore A90
ROROWAG				(Natural Color)	Shore A70
ROROWAH					Shore A50

⚠ 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

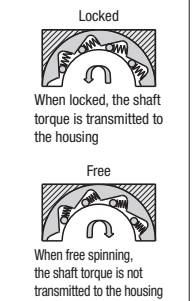


Urethane Baked



⚠ 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.

One Way Clutch construction



Part Number Type	D	Urethane Thickness T Selection	d	L 10mm Increment	One Way Clutch Allowable Torque (Nm)		Bearing Used	D1	D2	B1	B	d1
					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		
	50		20	B6904ZZ	26	37	9	16	22			
Urethane Baked ROROWAU ROROWAG ROROWAH	30	5	20	50~300	28.5	14.3	B6905ZZ	26	37	9	16	22
			25				B6905ZZ	32	42	9	20	27
			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
 ROROWAU40 - T5 - 20 - L250

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

Alteration Spec. L Dimension: [Diagram showing L and LC dimensions] (Ordering Code) LC151 (Change L to LC) LC=1mm Increment ⚠ 50≤LC≤299

Code: LC

⚠ 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 (Unit Price x 1.0)	20	3					
	30						
	40						
	50						
ROROWAG (Unit Price x 1.1)	20	3					
	30						
	40						
	50						
ROROWAH (Unit Price x 1.1)	20	5					
	30						
	40						
	50						

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

Example

Cutting process of sheet form workpiece (Film, Paper)

