

Rollers

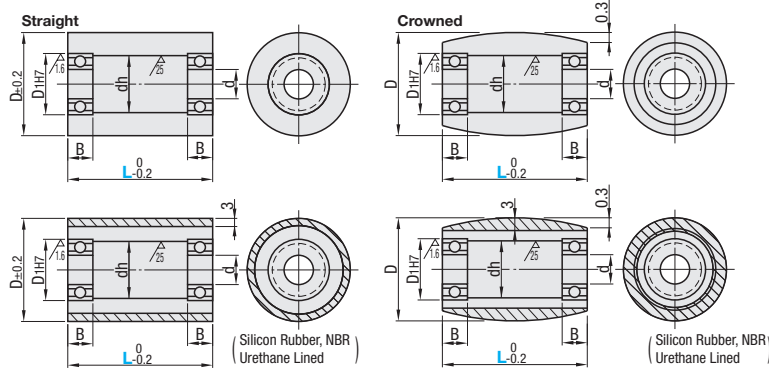
With Bearings (L=15 ~ 100)



Type			Material Core	Surface Treatment (Lining)	Bearing	Hardness
L Selectable	L Configurable	Crowned				
RORB	-	ROCRB	S45C Equivalent	Black Oxide	Steel	-
RORM	-	ROCRM		Electroless Nickel Plating		
RORS	-	ROCRS		SUS304		
RORA	-	ROCRA		Aluminum Alloy		
RORKS	-	-	SUS304	Urethane (Natural Color)	Steel	Shore A95
RORKA	-	-	A5052			
RORUS	ROFRUS	ROCRUS	SUS304			
RORUA	ROFRUA	ROCRUA	Aluminum Alloy (RORUA) (ROFRUA) A5052 (ROCRUA)			
RORUP	-	-	MC Nylon	Steel	Stainless Steel	Shore A90
RORGS	-	ROCRGS	SUS304			
RORGA	ROFRGA	ROCRGA	Aluminum Alloy (RORGA) (ROFRGA) A5052 (ROCRGA)			
RORHS	-	ROCRHS	SUS304			
RORHA	ROFRHA	-	Aluminum Alloy	Silicon Rubber (Light Gray)	Steel	Shore A70
RORSS	ROFRSS	ROCRSS	SUS304			
RORSA	-	-	A5052			
RORJS	-	-	SUS304			
RORJA	-	-	A5052	Silicon Rubber (White)	Steel	Shore A50
RORWS	-	-	SUS304			
RORTS	ROFRTS	-	SUS304			
RORTA	-	-	Aluminum Alloy			
RORNS	-	-	SUS304	Heat Resistant Urethane (Red Brown) Operating Temperature: ~ 110°C	Steel	Shore A70
RORNA	-	-	A5052			
				NBR (Black)		Shore A60

Urethane, Silicon Rubber and NBR are baked on the roller's outer diameter.

6.3 / (25 / 15)



For bearing detailed dimensions, see P989, 993.

L Selectable

Part Number			No.	D	L Selection	d	D1(H7)	dh	B	Bearing Used	
Type	Material	Core									
Straight Core Material Only	Silicon Rubber	Crowned Core Only	(20)	20	15 20 25 30 40 50	6	15	10	5	696ZZx2	
			RORB	25	20 25 30 40 50 60 70 80 90 100	6	15	10	5	696ZZx2	
			RORM	30	20 25 30 40 50 60 70 80 90 100	8	19	15	6	698ZZx2	
			RORS	35A	25 30 40 50	8	22	15	7	608ZZx2	
			RORA	35	25 30 40 50 60 70 80 90 100	10	22	18	6	6900ZZx2	
Urethane	Heat Resistant Urethane	Urethane	RORKS	40A	25 30 40 50	10	26	18	8	6000ZZx2	
			RORKA	40	25 30 40 50 60 70 80 90 100	12	28	24	8	6001ZZx2	
			RORUP	50A	25 30 40 50 100	12	32	24	10	6201ZZx2	
			RORUS	50	25 30 40 50 60 70 80 90 100	15	32	28	9	6002ZZx2	
			RORUZ								
Urethane	NBR	Silicon Rubber	RORUA								
			RORGS								
			RORGA								
			RORHS								
			RORHA								

D20 is only applicable to Core Only Types (RORB, RORM, RORS, RORA, ROCRB, ROCRM, ROCRS and ROCRGA).

No. 35A, 40A, 50A are not available for RORUP.

L Configurable (Straight Only)

Part Number		No.	D	L 1mm Increment	d	D1(H7)	dh	B	Bearing Used
Type	Material								
Urethane	Silicon Rubber	25	25	21~49	6	15	10	5	696ZZx2
		30	30		8	19	15	6	698ZZx2
		35A	35		10	22	18	7	608ZZx2
		35	35		10	22	18	6	6900ZZx2
		40A	40		12	28	24	8	6000ZZx2
		40	40		12	28	24	10	6201ZZx2
		50A	50		12	32	24	10	6201ZZx2
50	50	15	32	28	9	6002ZZx2			

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

L dimensions that can be configured in L Selectable Type, cannot be selected.



Ordering Example
Part Number - L
RORB30 - 30
ROFRSS40 - 38

L Selectable

D	L	Unit Price																		
		Straight																		
		Core Only				Urethane				Silicon										
		RORB	RORM	RORS	RORA	RORKS	RORKA	RORUS	RORUZ	RORUA	RORUP	RORGS	RORHS	RORGA	RORHA	RORSS	RORSA	RORJS	RORJA	RORWS
20	15-25																			
	30-50																			
25	20-25																			
	30-50																			
30	20-25																			
	30-50																			
35	25																			
	30-50																			
35A	60-100																			
	60-100																			
40	25																			
	30-50																			
40A	60-100																			
	60-100																			
50	25																			
	30-50																			
50A	60-100																			
	60-100																			

D	L	Unit Price																		
		Straight				Core Only				Crowned										
		Heat Resistant Urethane		NBR		Urethane		Silicon		Urethane		Silicon		Urethane						
		RORTS	RORTA	RORNS	RORNA	ROCRB	ROCRM	ROCRS	ROCRGA	ROCRUS	ROCRUA	ROCRGA	ROCRGS	ROCRHS	ROCRSS					
20	15-25																			
	30-50																			
25	20-25																			
	30-50																			
30	20-25																			
	30-50																			
35	25																			
	30-50																			
35A	60-100																			
	60-100																			
40	25																			
	30-50																			
40A	60-100																			
	60-100																			
50	25																			
	30-50																			
50A	60-100																			
	60-100																			

L Configurable

D	L	Unit Price					
		Straight					
		Urethane		Silicon		Heat Resistant Urethane	
		ROFRUS	ROFRUA	ROFRGA	ROFRHA	ROFRSS	ROFRTS
25	21-25						
	26-49						
30	21-25						
	26-49						
35	26-49						
	26-49						
40	26-49						
	26-49						
50	26-50						
	51-99						



Alterations Part Number - L - (UDC, SB)
RORNS40 - 50 - SB

Alterations	Code	Spec.
Change to Antistatic Urethane (Urethane Color: Gray)	UDC	Change Urethane (Shore A90) to Antistatic Urethane Ordering Code UDC Specific Volume Resistivity 2.1x10 ¹⁰ Ω·cm Surface Resistivity 4.0x10 ⁹ Ω (Temperature 30°C / Humidity 60%)

Alterations	Code	Spec.
Bearing Material	SB	Changes the Bearing to Stainless Steel Bearing Ordering Code SB Not applicable to RORUZ