

Rollers

With Bearings (L=15 ~ 100)



For bearing detailed dimensions, see P.989, 993.

Type			Material	Surface Treatment (Lining)	Bearing	Hardness
Straight	Crowned					
L Selectable	L Configurable	L Selectable	Core			
RORB	-	ROCRB	EN 1.1191 Equiv.	Black Oxide	Steel	-
RORM	-	ROCRM	EN 1.4301 Equiv.	Electroless Nickel Plating	-	-
RORS	-	ROCRS	EN AW-5052 Equiv.	Clear Anodize	-	-
RORA	-	ROCRA	EN 1.4301 Equiv.	-	-	-
RORKS	-	-	EN AW-5052 Equiv.	-	Steel	Shore A95
RORKA	-	-	EN AW-5052 Equiv.	-	-	-
RORUS	ROFRUS	ROCRUS	EN 1.4301 Equiv.	Urethane (Natural Color)	Stainless Steel	Shore A90
RORUZ	-	-	EN AW-5052 Equiv.	-	-	-
RORUA	ROFRUA	ROCRUA	MC Nylon	-	Steel	Shore A70
RORUP	-	-	EN 1.4301 Equiv.	-	-	-
RORGS	-	ROCRGS	Aluminum Alloy 5000 series	-	-	-
RORGA	ROFRGA	ROCRGA	EN 1.4301 Equiv.	-	-	-
RORHS	-	ROCRHS	EN AW-5052 Equiv.	-	-	-
RORHA	ROFRHA	-	EN 1.4301 Equiv.	-	-	-
RORSS	ROFRSS	ROCRSS	EN AW-5052 Equiv.	-	-	-
RORSA	-	-	EN AW-5052 Equiv.	Silicon Rubber (Light Gray)	Steel	Shore A70
RORJS	-	-	EN 1.4301 Equiv.	-	-	-
RORJA	-	-	EN AW-5052 Equiv.	-	-	-
RORWS	-	-	EN AW-5052 Equiv.	-	-	-
RORTS	ROFRTS	-	EN 1.4301 Equiv.	Silicon Rubber (White)	Steel	Shore A50
RORTA	-	-	EN 1.4301 Equiv.	Heat Resistant Urethane (Red Brown)	-	-
RORNS	-	-	EN AW-5052 Equiv.	Operating Temperature: ~ 110°C	-	-
RORNA	-	-	EN AW-5052 Equiv.	NBR (Black)	-	-

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

Straight

Crowned

(Silicon Rubber, NBR Urethane Lined)

6.3 / (25 / 15)

L Selectable										
Part Number			D	L Selection	d	D1(H7)	dh	B	Bearing Used	
Type		No.								
Straight Core Material Only	Silicon Rubber	Crowned Core Only	(20)	20	15 20 25 30 40 50	6	15	10	5	696ZZx2
			25	25	20 25 30 40 50 60 70 80 90 100	6	15	10	5	696ZZx2
			30	30	20 25 30 40 50 60 70 80 90 100	8	19	15	6	698ZZx2
			35A	35	25 30 40 50	8	22	15	7	608ZZx2
			35		25 30 40 50 60 70 80 90 100	10	22	18	6	6900ZZx2
Urethane	Heat Resistant Urethane	Urethane	40A	40	25 30 40 50	10	26	18	8	6000ZZx2
			40		25 30 40 50 60 70 80 90 100	12	28	24	8	6001ZZx2
			50A	50	25 30 40 50 100	12	32	24	10	6201ZZx2
			50		25 30 40 50 60 70 80 90 100	15	32	28	9	6002ZZx2

D20 is only applicable to Core Only Types (RORB, RORM, RORS, RORA, ROCR, ROCR, ROCR, ROCR).

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

L Configurable (Straight Only)

Part Number			D	L	d	D ₁ (H7)	dh	B	Bearing Used
Type	No.								
Urethane ROFRUS ROFRUA ROFRGA ROFRHA	Silicon Rubber ROFRSS	25	25	1mm Increment	6	15	10	5	696ZZx2
		30	30		8	19	15	6	698ZZx2
		35A	35	10		22	18	7	608ZZx2
		35			6	6900ZZx2			
	Heat Resistant Urethane ROFRTS	40A	40	26~49	26	8	6000ZZx2		
		40			12		28	6001ZZx2	
		50A	50	26~99	12	24	10	6201Zx2	
		50			15		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	RORGA	RORHA	RORSS	RORSA	RORJS	RORJA	RORWS
20	15~25					-	-	-	-	-	-	-	-	-	-	-	-	-	-
	30~50					-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	20~25																		
	30~50																		
	60~100														-	-	-	-	-
	20~25																		
30	30~50																		
	60~100														-	-	-	-	-
35	25																		
	30~50																		
35A	60~100																		
	25														-	-	-	-	-
40	30~50																		
	60~100														-	-	-	-	-
50	25																		
	30~50																		
50A	60~100																		
	25																		

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

L Configurable

D	L	Unit Price				
		Straight				
		Urethane		Silicon	Heat Resistant Urethane	
		ROFRUS	ROFRUA	ROFRGA	ROFRSS	ROFRTS
25	21~25					
	26~49					
30	21~25					
	26~49					
35	26~49					
	26~49					
35A	26~49					
	26~49					
40	26~49					
	26~49					
40A	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 ⁹ 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