

Rollers

Straight, Crowned-(L=15~100)

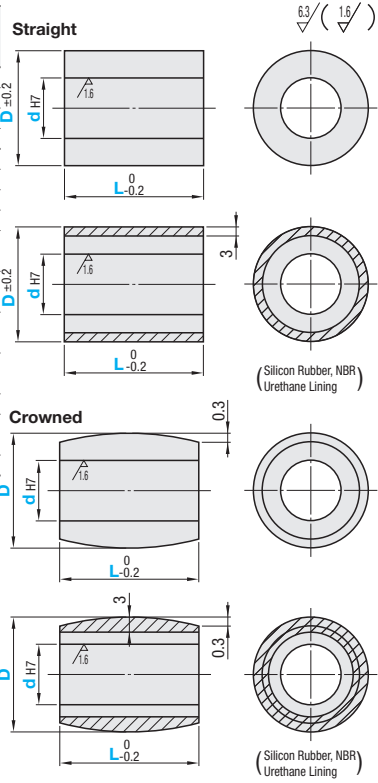
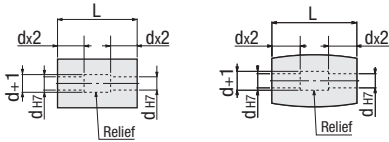


Type				Material	Surface Treatment (Lining)	Hardness	
Straight		Crowned					
L Selectable	L Configurable	L Selectable	L Configurable	Core			
ROLB	-	-	-	EN 1.1191 Equiv.	Black Oxide	-	
ROLM	-	-	-	EN 1.4301 Equiv.	Electroless Nickel Plating	-	
ROLS	-	ROCS	-	EN 1.4301 Equiv.	-	-	
ROLA	-	ROCA	-	EN AW-5052 Equiv.	Clear Anodize	-	
ROKS	-	-	-	EN 1.4301 Equiv.	Urethane (Natural Color)	Shore A95	
ROKA	-	-	-	EN AW-5052 Equiv.		Shore A95	
ROUS	ROFUS	ROCUS	-	EN 1.4301 Equiv.		Shore A90	
ROUA	ROFUA	ROCUA	ROFCUA	EN AW-5052 Equiv.		Shore A90	
ROGS	-	ROCGS	-	EN 1.4301 Equiv.		Shore A70	
ROGA	ROFGA	ROCGA	-	Aluminum Alloy 5000 series			
ROHS	ROFHS	ROCHS	-	EN 1.4301 Equiv.			
ROHA	ROFHA	ROCHA	-	EN AW-5052 Equiv.		Shore A50	
ROMS	-	-	-	EN 1.4301 Equiv.	Antistatic Urethane (Gray)	Shore A90	
ROMA	-	-	-	EN AW-5052 Equiv.			
ROSS	ROFSS	ROCSS	-	EN 1.4301 Equiv.	Silicon Rubber (Light Gray)	Shore A70	
ROSA	-	-	-	EN AW-5052 Equiv.		Shore A50	
ROJA	-	-	-	EN AW-5052 Equiv.	Heat Resistant Urethane (Red Brown) Operating Temperature: - 110°C	Shore A90	
ROTS	-	-	-	EN 1.4301 Equiv.		NBR (Black)	Shore A60
ROTA	-	-	-	EN AW-5052 Equiv.			
RONA	-	-	-	EN AW-5052 Equiv.			

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

When $L \leq dx3$, hole d is machined from the same direction.

When $L > dx3$, hole d is machined from both ends as shown below. There may be no relief in some cases.



L Selectable

Part Number			D	dH7 Selection				L Selection					
Type													
Straight Core Only ROLB ROLM ROLS ROLA	Urethane	Silicon Rubber	20	8				15	20	25	30	40	50
			25	8	10	12	15	20	25	30	40	50	
			30	8	10	12	15	15	20	25	30	40	50
			35	10	12	15	20	20	25	30	40	50	
	Heat Resistant Urethane	NBR	40	10	12	15	20	20	25	30	40	50	
			50	12	15	20	25	30	40	50	100		
			60	12	15	20	25	30	40	50	100		
			80	15	20	25	30	40	50	100			

D60 and D80 are not available for ROSS, ROSA, ROJA, ROCSS and RONA.

L Configurable

Part Number		D	dH7 Selection						L 1mm Increment			
Type												
Straight Urethane ROFUS ROFUA ROFGA ROFHS ROFHA Crowned Urethane ROFCUA	Silicon Rubber ROFSS	20	8						16~49			
		25	8	10	12							
		30	8	10	12	15						
		35	10 12 15 20						21~49			
	40	10 12 15 20										
	50	12 15 20 25										
	60	12 15 20 25 30										
	80	15 20 25 30						41~99				

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

D60 and D80 are not available for ROFSS. L dimensions that can be configured in L Selectable Type, cannot be selected.



Ordering Example

Part Number - d - L
ROLB20 - 8 - 30

L Dimension Selectable - Straight

D	L	Unit Price															
		Straight															
		Core Only				Urethane				Antistatic Urethane				Silicon		Heat Resistant Urethane	
		ROLB	ROLM	ROLS	ROLA	ROKS	ROKA	ROUS	ROUA	ROGS	ROGA	ROHS	ROHA	ROMS	ROMA	ROSS	ROSA
20	15~25																
25	30~50																
30	15~25																
35	30~50																
40	20~25																
50	30~50																
60	20~25																
80	30~50																
	100																

- Crowned

D	L	Unit Price						
		Crowned						
		Core Only		Urethane			Silicon	
		ROCS	ROCA	ROCUS	ROCUA	ROCGS	ROCGA	ROCSS
20	15~25							
25	30~50							
30	15~25							
35	30~50							
40	20~25							
50	30~50							
60	20~25							
80	30~50							
	100							

L Dimension Selectable - Straight, Crowned

D	L	Unit Price					
		Straight					
		Urethane				Silicon	Crowned Urethane
		ROFUS	ROFUA	ROFHS	ROFGA	ROFSS	ROFCUA
20	16~25						
25	26~49						
30	16~25						
35	26~49						
40	21~25						
50	26~49						
60	31~50						
80	41~50						



Alterations

Part Number - d - L - (MC, UDC)
ROUS20 - 8 - 30 - UDC

Alterations	Code	Spec.
Tapping L/2 2-M M+1 2-M Urethane	MC	Adds 2 tapped holes at 90°. D M 20, 25, 30 3 35, 40 4 50, 60, 80 5 Ordering Code MC

For Core Only and Urethane (Natural Color) Tapped Type, refer to the next page.

Alterations	Code	Spec.
Change to Antistatic Urethane (Urethane Color: Gray)	UDC	Change Urethane (Shore A90) to Antistatic Urethane Ordering Code UDC Specific Volume Resistivity $2.1 \times 10^9 \Omega \cdot \text{cm}$ Surface Resistivity $4.0 \times 10^9 \Omega$ (Temperature 30°C / Humidity 60%)