

# Rollers

—Straight Type / Crown Type—(L=15~100)



Type				M	S (Lining)	□
Straight	Crown					
L Selectable	L Specified	L Selectable	L Specified	Core		
ROLB	-	-	-	S45C	Black Oxide	-
ROLM	-	ROCM	-	SUS304	Electroless Nickel Plating	-
ROLS	-	ROCS	-	SUS304	-	-
ROLA	-	ROCA	-	A5052	Clear Anodize	-
ROSS	ROFSS	ROCSS	-	SUS304	Silicon Rubber (Light Gray)	Shore A70
ROSA	ROFSA	ROCSA	-	A5052		Shore A50
ROJS	-	-	-	SUS304	Silicon Rubber (White)	Shore A70
ROJA	-	-	-	A5052		Shore A90
ROWS	-	-	-	SUS304	Heat Resisting Urethane (Red Brown) Operating Temperature: -110°C	Shore A90
ROTS	ROFTS	ROCTS	-	SUS304		Shore A60
ROTA	-	ROCTA	-	A5052	NBR (Black)	Shore A60
RONA	-	ROCTA	-	A5052		Shore A90
ROUS	ROFUS	ROCUS	ROFCUS	SUS304	Urethane (Natural Color)	Shore A70
ROUA	ROFUA	ROCUA	ROFCUA	A5052		Shore A50
ROGS	-	ROCGS	ROFCGS	SUS304	Urethane (Natural Color)	Shore A70
ROGA	ROFGA	ROCGA	ROFCGA	A5052		Shore A50
ROHS	ROFHS	ROCHS	-	SUS304	Urethane (Natural Color)	Shore A50
ROHA	ROFHA	ROCHA	ROFCHA	A5052		

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

When L ≤ dx3, hole d is machined from one direction.

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

Order Example  
 Part Number - d - L  
 ROLB20 - 8 - 30  
 ROFCUS40 - 10 - 47

## L Dimension Selectable Type

Part Number			D	dH7 Selection					L Selection					
Type														
Straight Core only ROLB ROLM ROLS ROLA	Silicon Rubber	Urethane	20	8					15	20	25	30	40	50
	ROSS	ROUS	25	8	10	12			15	20	25	30	40	50
	ROSA	ROUA	30	8	10	12	15		15	20	25	30	40	50
	ROJS	ROGS	35						20	25	30	40	50	
	ROJA	ROGA	40						20	25	30	40	50	
	ROWS	ROHS	50						25	30	40	50	100	
	ROTS	ROCTA	60						30	40	50	100		
	ROTA	ROCTA	80						40	50	100			
	RONA													
	Crown Core only ROCM ROCS ROCA	Silicon	Urethane	50						25	30	40	50	100
ROCSS		ROCUS	60						30	40	50	100		
ROCSA		ROCUA	80						40	50	100			
ROCS		ROCGS												
ROCA		ROCGA												

D60 and D80 are not available for ROSS, ROSA, ROJS, ROJA, ROWS, ROCS, ROCSA, RONA and ROCNA.

## L Dimension Specified Type

Part Number			D	dH7 Selection					L 1mm Increment				
Type													
Straight Silicon Rubber ROFSS ROFSA Heat Resisting Urethane ROFGA ROFHS ROFTS	Silicon Rubber	Urethane	20	8									
	ROFSS	ROFUS	25	8	10	12			16~49				
	ROFSA	ROFUA	30	8	10	12	15						
	ROFGA	ROFHS	35										
	ROFHS	ROFHA	40										
Crown Urethane ROFCUS ROFCUA ROFCGS ROFCGA ROFCHA	Urethane		50						21~49				
	ROFCUS		60						26~99				
	ROFCUA		80						31~99				
	ROFCGS												
	ROFCGA												

D60 and D80 are not available for ROFSS, ROFSA. Urethane may discolor with time, but there is no effect on properties.

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

Alteration	Code	Spec.								
Tapping 	MC	Adds 2 tapped holes at 90°. <table border="1"> <tr> <th>D</th> <th>M</th> </tr> <tr> <td>20-25-30</td> <td>3</td> </tr> <tr> <td>35-40</td> <td>4</td> </tr> <tr> <td>50-60-80</td> <td>5</td> </tr> </table> (Ordering Code) MC	D	M	20-25-30	3	35-40	4	50-60-80	5
D	M									
20-25-30	3									
35-40	4									
50-60-80	5									

Alteration	Code	Spec.
Antistatic Urethane (Urethane Color : Gray)	UDC	Changes urethane shore A90 to antistatic urethane. (Ordering Code) UDC Volume Inherent Resistivity 2.1x10 <sup>9</sup> Ω·cm Surface Resistivity 4.0x10 <sup>9</sup> Ω (Temperature 30°C/Humidity 60%)