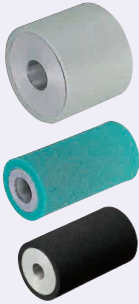


Rollers

Core Material Press Fit Straight Type

■ **Features:** Core material is press-fit in the surface material and more economical than the Baked Type.

■ Core Material Press Fit Straight Type

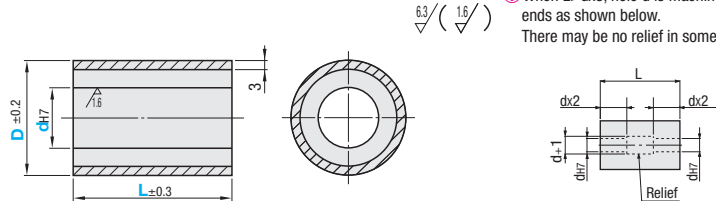


Type	Material		Hardness
	Core	Urethane, Plastic	
ROUSP	SUS304	Urethane (Natural Color)	Shore A90
ROUAP	Aluminum Alloy	Urethane (Natural Color)	Shore A90
ROMAP	A5052	Foam Urethane (Green)	Shore A65
ROSAP	A5052	Chloroprene Rubber Sponge	Shore A25

ⓘ Core material is press fit into Urethane, Foam Urethane and Chloroprene Rubber Sponge.

ⓘ 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.



Part Number Type		D	dh7 Selection					L Selection							
Urethane ROUSP ROUAP	Foam Urethane ROMAP	Chloroprene Rubber Sponge ROSAP	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	
			40	10	12	15	20			20	25	30	40	50	
			(50)	12	15	20	25			25	30	40	50		

ⓘ Chloroprene rubber sponge is available in sizes in () only.

Ordering Example: Part Number - d - L
ROUSP20 - 8 - 30

Alterations: Part Number - d - L - (MC, UDC)
ROUSP20 - 8 - 30 - UDC

D	L	Unit Price			
		ROUSP	ROUAP	ROMAP	ROSAP
20	15~25				-
	30~50				-
25	15~25				-
	30~50				-
30	15~25				-
	30~50				-
35	20~25				-
	30~50				-
40	20~25				-
	30~50				-
50	25				-
	30~50				-

Alterations	Code	Spec.								
Tapping MC		Adds 2 tapped holes at 90°. <table border="1"> <tr> <th>D</th> <th>M</th> </tr> <tr> <td>2, 25, 30</td> <td>3</td> </tr> <tr> <td>35, 40</td> <td>4</td> </tr> <tr> <td>50</td> <td>5</td> </tr> </table> Ordering Code: MC	D	M	2, 25, 30	3	35, 40	4	50	5
D	M									
2, 25, 30	3									
35, 40	4									
50	5									
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%) ⓘ Not applicable to Foam Urethane Type (ROMAP).								

■ Urethane Load (Reference)

Material	Load Standard N (kgf)	
	Radial	Axial
Urethane	147(15)	242(25)
Foam Urethane	97(10)	97(10)
Chloroprene Rubber Sponge	-	18(2)

* Data above are for reference only, not guaranteed values.

ⓘ A core material is press fit into urethane, foam urethane and chloroprene rubber sponge, and unbalanced load may cause urethane and sponge part to slip or misalign with the core.

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

■ Foam Urethane

Closed-cell foamed urethane. Each bubble is separated by walls resulting in lower absorption of water, oil and chemicals compared to general sponges with connected cells. Also, it excels in gripping power and shock absorption compared to conventional urethane and other general rubber. Especially suitable for conveying thin materials.

■ Chloroprene Rubber Sponge

A chloroprene polymerized synthetic rubber. In comparison to natural rubber, it excels in rebound resilience, weather resistance, aging resistance, ozone resistance, heat resistance, low temp. resistance, and oil resistance. It is an overall well balance rubber but not well suited for use in low (-35°C and below) temperature. Mainly used for general industrial products.

☞ For the properties, see P.2 -389-391.