


# Rollers

## Straight with Keyway

Features: 5th business day shipping is available for shaft bore with keyway machining and Urethane Lined.

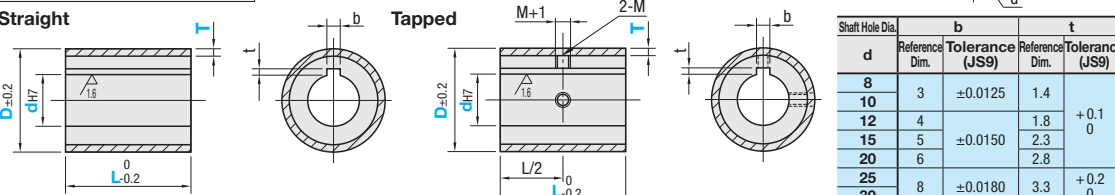


L Selectable		Urethane Thickness Selectable		Material		Hardness
Straight	Tapped	Straight	Tapped	Core	Lining	
ROUSK	ROUSKN	ROEUSK	ROEUSKN	EN 1.4301 Equiv.	Urethane (Natural Color)	Shore A90
ROUAK	ROUAKN	ROEUAK	ROEUAKN	EN AW-5052 Equiv.	Urethane (Natural Color)	Shore A70
ROGSK	ROGSKN	ROEGSK	ROEGSKN	EN 1.4301 Equiv.	Urethane (Natural Color)	Shore A50
ROGAK	ROGAKN	ROEGAK	ROEGAKN	Aluminum Alloy 5000 series	Urethane (Natural Color)	Shore A50
ROHSK	ROHSKN	ROEHSK	ROEHSKN	EN 1.4301 Equiv.	Urethane (Natural Color)	Shore A50
ROHAK	ROHAKN	ROEHAK	ROEHAKN	EN AW-5052 Equiv.	Urethane (Natural Color)	Shore A50

When L ≤ 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.

Keyway Dimensions:  $\frac{b}{d}$ ,  $\frac{t}{d}$

Urethane is baked on the outer circumference of the core material.



Shaft Hole Dia.	d	Reference Dim.	Tolerance (JS9)	Reference Dim.	Tolerance (JS9)
8	8	3	±0.0125	1.4	+0.1
10	10	4	±0.0150	1.8	0
12	12	5	±0.0150	2.3	0
15	15	6	±0.0180	2.8	0
20	20	8	±0.0180	3.3	+0.2
25	25				0
30	30				0

**L Selectable**

Part Number	Type	D	dh7 Selection	L Selection										T	M	
ROUSK	Straight	20	8	15	20	25	30	40	50	60	70	80	90	100	3	3
ROUAK	Tapped	25	8 10 12	15	20	25	30	40	50	60	70	80	90	100	3	3
ROGSK		30	8 10 12 15	15	20	25	30	40	50	60	70	80	90	100	3	3
ROGAK		35	10 12 15 20	20	25	30	40	50	60	70	80	90	100	3	3	
ROHSK		40	10 12 15 20	20	25	30	40	50	60	70	80	90	100	3	3	
ROHAK		50	12 15 20 25	25	30	40	50	60	70	80	90	100	3	3		

**Urethane Thickness Selectable**

Part Number	Type	D	dh7 Selection	L 10mm Increment	T Selection	M
ROEUSK	Straight	50	10 12 15	30~100	5	5
ROEUAK	Tapped	60	12 15 20	30~100	5	5
ROEGSK		80	15 20 25	30~100	10	6
ROEGAK		100	20 25 30	30~100	10	6

Ordering Example: Part Number - d - L - T

Example: ROUSK20 - 8 - 30 - T5

Alterations Example: Part Number - d - L - T - (UDC, LC)

Example: ROUSK20 - 8 - 30 - T5 - UDC

Alterations	Code	Spec.
Change to Antistatic Urethane (Urethane Color: Gray)	UDC	Change Urethane Shore A90 to Antistatic Urethane Change to Urethane Ordering Code UDC Specific Volume Resistivity 2.1x10 <sup>10</sup> -cm Surface Resistivity 4.0x10 <sup>10</sup> Ω (Temperature 30°C / Humidity 60%)
L Dimension	LC	Ordering Code LC11 LC=1mm Increment 10 ≤ LC < L Only applicable to L Selectable Types.

**L Selectable**


D	L	Unit Price					
		Straight (ROUSK)	Tapped (ROUSKN)	ROUAK (ROUAKN)	ROGSK (ROGSKN)	ROHAK (ROHAKN)	ROEUSK (ROEUSKN)
20	15-25						
	30-50						
	60-100						
25	15-25						
	30-50						
	60-100						
30	15-25						
	30-50						
	60-100						
35	20-25						
	30-50						
	60-100						
40	20-25						
	30-50						
	60-100						
50	25						
	30-50						
	60-100						

**Urethane Thickness Selectable**

D	L	Unit Price					
		Straight (ROEUSK)	Tapped (ROEUAK)	ROEGSK (ROEGSKN)	ROHAK (ROHAKN)	ROEUSK (ROEUSKN)	ROEUAK (ROEUAKN)
50	30-50						
	60-100						
	100						
60	30-50						
	60-100						
	100						
80	30-50						
	60-100						
	100						

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

# Groove Rollers

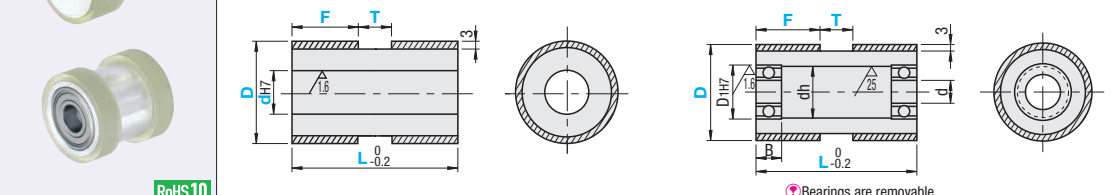


Type	Core	Lining	Bearing	Hardness
No Bearing	ROUAM	Urethane (Natural Color)	Steel	Shore A90
With Bearings	RORUAM	Urethane (Natural Color)	Steel	Shore A90

Urethane is baked on the outer circumference of the core material.

**No Bearing**

**With Bearings**



⚠ Bearings are removable.

**No Bearing**

Part Number	D	dh7 Selection	L 1mm Increment	F	T
ROUAM	25	8 10 12	15-50	0-46	(F+T ≤ L-2)
	30	8 10 12 15	15-50	0-46	(F+T ≤ L-2)
	35	10 12 15 20	20-50	0-46	(F+T ≤ L-2)
	40	10 12 15 20	20-50	0-46	(F+T ≤ L-2)
	50	12 15 20 25	25-100	0-96	(F+T ≤ L-2)
	60	12 15 20 25 30	30-100	0-96	(F+T ≤ L-2)
	80	15 20 25 30	40-100	0-96	(F+T ≤ L-2)
	80	15 20 25 30	40-100	0-96	(F+T ≤ L-2)

When L ≤ 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.

**With Bearings**

Part Number	D	L	F	T	d	Dh7	dh	B	Bearing Used
RORUAM	25	20-50	0-46		6	15	10	5	696ZZx2
	30	20-50	0-46		8	19	15	6	698ZZx2
	35	25-50	0-46		10	22	18	6	6900ZZx2
	40	25-50	0-46		12	28	24	8	6001ZZx2
	50	25-100	2-96	(F+T ≤ L-2)	15	32	28	9	6002ZZx2
	50	25-100	2-96	(F+T ≤ L-2)	15	32	28	9	6002ZZx2

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

For bearing detailed dimensions, see P989.

Ordering Example: Part Number - d - L - F - T

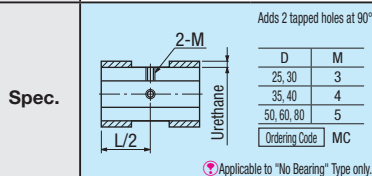
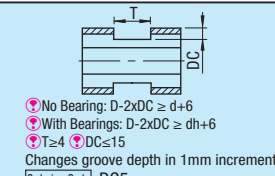
Example: RORUAM40 - 8 - L30 - F10 - T5

D	L	Unit Price		
		No Bearing (ROUAM)	With Bearings (RORUAM)	With Bearings (RORUAM)
25	15(20)-25			
	26-50			
30	15(20)-25			
	26-50			
35	20(25)-25			
	26-50			
40	20(25)-25			
	26-50			
50	25			
	26-50			
	51-100			
60	30-50			
	51-100			
	100			
80	40-50			
	51-100			

L dimensions in ( ) are for Bearing Type.

Alterations Example: Part Number - d - L - F - T - (MC, DC, SB)

Example: RORUAM30 - 8 - L30 - F10 - T5 - MC

Alterations	Tapping	Groove Depth	Bearing Material								
Code	MC	DC	SB								
Spec.	 <p>Adds 2 tapped holes at 90°.</p> <table border="1"> <tr> <th>D</th> <th>M</th> </tr> <tr> <td>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> <p>Ordering Code MC</p> <p>Applicable to "No Bearing" Type only.</p>	D	M	25, 30	3	35, 40	4	50, 60, 80	5	 <p>⚠ No Bearing: D-2xDC ≥ d+6 ⚠ With Bearings: D-2xDC ≥ dh+6 ⚠ T ≥ 4, DC ≤ 15 Changes groove depth in 1mm increment. Ordering Code DC5</p>	<p>Changes the Bearing to Stainless Steel Bearing. Ordering Code SB</p> <p>Applicable to Bearing Type only.</p>
D	M										
25, 30	3										
35, 40	4										
50, 60, 80	5										

