

Rollers

Urethane Thickness Selectable Type

Rollers - Urethane Thickness Selectable Type

RoHS 10

Type			mMaterial		hHardness	Bearing
No Bearing	With Bearings		Core	Lining		
ROEUHS	ROERUHS	—	304 Stainless Steel	Urethane (Natural Color)	Shore A95	Steel
ROEUHA	ROERUHA	—	Aluminum Alloy			
ROEUS	ROERUS	ROECRUS	304 Stainless Steel			
ROEJA	ROERJA	ROECRJA	Aluminum Alloy			
ROEGS	ROERGS	—	304 Stainless Steel			
ROEGA	ROERGA	ROECRGA	Aluminum Alloy			
—	ROERHS	—	304 Stainless Steel	Shore A70	Shore A50	
—	ROERHA	ROECRHA	Aluminum Alloy			

① When L<dx3, hole d is machined from the same direction.

② When L>dx3, hole d is machined from both ends as shown below. There may be no relief in some cases.

③ Urethane is baked on the outer circumference of the core material.

6.3 / (25 / 1.6 /)

No Bearing Straight Type

With Bearing Straight Type

Crowned Type

No Bearing Type

Part Number Type	D	d _{H7}	L 10mm Increment	T
Straight ROEUHS ROEUHA ROEUS ROEJA ROEGS ROEGA	20	8	20-100	5
	25	8 10 12		
	30	8 10 12 15		
	35	8 10 12 15	20-150	
	40	8 10 12 15		
	50	10 12 15 20	30-200 (30-150 when d≤15)	
	60	12 15 20 25 30		
	80	15 20 25 30		
	100	20 25 30 40		

With Bearings

Part Number Type	D	d	L 10mm Increment	T	D ₁	dh	B	Bearing Used
Straight ROERUHS ROERUHA ROERUS ROERJA ROERGA ROERHS ROERHA	40	8	20-200	5	19	15	6	698ZZx2
		10			22	18	6	6900ZZx2
	50	10			22	18	6	6900ZZx2
		12			28	24	8	6001ZZx2
	60	15			32	28	9	6002ZZx2
		20			28	24	8	6001ZZx2
	80	20			42	36	12	6004ZZx2
		25			32	28	9	6002ZZx2
	100	20			42	36	12	6004ZZx2
		25			47	41	12	6005ZZx2
	30	42	36	12	6004ZZx2			
	30	47	41	12	6005ZZx2			
	30	55	48	13	6006ZZx2			

Part Number Example

Part Number - d - L - T

ROEUS60 - 20 - 50 - T5

Part Number Alterations

Part Number - d - L - T - (MC)

ROEUS60 - 12 - 50 - T5 - MC

Alteration Code	Tapping								
MC	<p>Adds 2 tapped holes at 90°.</p> <table border="1"> <tr> <th>D</th> <th>M</th> </tr> <tr> <td>35, 40</td> <td>4</td> </tr> <tr> <td>50, 60, 80</td> <td>5</td> </tr> <tr> <td>100</td> <td>6</td> </tr> </table> <p>Ordering Code: MC</p> <p>① Applicable to No Bearing Type only.</p>	D	M	35, 40	4	50, 60, 80	5	100	6
D	M								
35, 40	4								
50, 60, 80	5								
100	6								

Groove Rollers

Groove Rollers

RoHS 10

Type		Material			Hardness
No Bearing	With Bearing	Core	Lining	Bearing	
ROUAM	RORUAM	Aluminum Alloy	Urethane (Natural Color)	Steel	Shore A90
ROUSM	—	304 Stainless Steel			

① Urethane is baked on the outer circumference of the core material.

6.3 / (25 / 1.6 /)

No Bearing

With Bearing

No Bearing

Part Number Type	D	d _{H7}			1 mm Increment		
		L	F	T			
ROUAM ROUSM	25	8	10	12	15-50	0-46 F+T≤L-2	
	30	8	10	12 15			
	35	8	10	12 15 20			
	40	10	12	15 20	20-50		
	50	12	15 20 25				
	60	12	15 20 25 30	25-100			
80	15	20 25 30	30-100	40-100			

① When L≤dx3, hole d is machined from the same direction.

② When L>dx3, hole d is machined from both ends as shown below. There is no relief in some cases.

③ Urethane may discolor over time, but there is no effect on physical properties.

With Bearings

Part Number Type	D	1mm Increment			d	D _{H7}	dh	B	Bearing
		L	F	T					
RORUAM	25	20-50	0-46 F+T≤L-2	6	15	10	5	696ZZ x 2	
	30								
	35								
	40								
	50	25-100							8
		10	22	18	6	6900ZZ x 2			
		12	28	24	8	6001ZZ x 2			
		15	32	28	9	6002ZZ x 2			

Part Number Example

Part Number - d - L - F - T

ROUSM30 - 8 - L30 - F10 - T5

RORUAM40 - L40 - F8 - T3

Part Number Alterations

Part Number - d - L - F - T - (MC / DC / SB)

ROUSM30 - 8 - L30 - F10 - T5 - MC

RORUAM30 - L40 - F10 - T5 - SB

Alterations Code	Tapping	Groove Depth	Bearing Material								
	MC	<p>Tapped holes located at 90° are added at two locations.</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>① Available for No Bearing Type only.</p>	D	M	25, 30	3	35, 40	4	50, 60, 80	5	<p>① No Bearing: D-2xDC≥d+6</p> <p>② With Bearing: D-2xDC≥dh+6</p> <p>③ T≥4 ④ DC≤15</p> <p>Changes groove depth in 1mm increment.</p> <p>Ordering Code: DC5</p>
D	M										
25, 30	3										
35, 40	4										
50, 60, 80	5										

Application Example

Workpiece
Conveyer Belt
RORUAM
ROLB

Clamping Roller for Tape Carrier

Changes the material of bearings to stainless steel.
Ordering Code: SB