

Urethane Washers



Urethane Washers are available in Ether Polyurethane (the harder, shore A90 option) and Ester Polyurethane (shore A70 and the soft shore A50 type). You can choose from a wide range of standard sizes or pick a custom option with ability to specify all of the dimensions in very fine increment.

Material	Hardness	Type
Ether Polyurethane	Shore A90	U-URWH
Ester Polyurethane	Shore A70	U-URWM
	Shore A50	U-URWL

Material Characteristics P.534

The tolerances are verified at 73±4°F (23±2°C) and 40-80% humidity.

Surface Roughness: Unless otherwise specified

Material	Hardness	Type
Ether Polyurethane	Shore A90	U-URFH
Ester Polyurethane	Shore A70	U-URFM
	Shore A50	U-URFL

Material Characteristics P.534

The tolerances are verified at 73±4°F (23±2°C) and 40-80% humidity.

D Tolerance	
D	Tol.
0.25 ~ 2.00	±0.010
2.01 ~ 3.00	±0.012
3.01 ~ 4.00	±0.016

Surface Roughness: Unless otherwise specified

Standard

Type	Part No.			D Selection (Callout)										T Selection					
	Callout	V	Screw Size	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1"	1-1/4	1-1/2	1-3/4	2"	1/16	1/8	3/16	3/8
U-URWH	0.11	0.112	#4	0.31	0.38										0.063				
	0.14	0.138	#6	0.31	0.38	0.44									0.063				
	0.16	0.164	#8	0.38	0.44	0.50									0.063	0.125			
U-URWM	0.19	0.190	#10	0.44	0.50	0.63									0.125				
	0.25	0.250	1/4	0.50	0.63	0.75									0.125	0.188			
	0.31	0.310	5/16	0.63	0.75	0.88									0.125	0.188			
U-URWL	0.38	0.380	3/8	0.75	0.88	1.00									0.125	0.188			
	0.38	0.380	3/8								1.25				0.125	0.188			
	0.50	0.500	1/2								1.00	1.25	1.50		0.125	0.188			
	0.63	0.630	5/8								1.25	1.50			0.125	0.188			
	0.63	0.630	5/8									1.75			0.188	0.375			
	0.75	0.750	3/4								1.50				0.125	0.188			
	0.75	0.750	3/4									1.75	2.00		0.188	0.375			
	1.00	1.000	1"									1.75	2.00		0.188	0.375			

The part number consists only of the fields with blue characters.

Order Example

Part No. -

Type

U-URWL 0.50 - D 1.50 - T 0.188

Technical Information

Callout	D	
	Nominal	Actual Diameter
0.31	5/16	0.313
0.38	3/8	0.375
0.44	7/16	0.438
0.50	1/2	0.500
0.63	5/8	0.625
0.75	3/4	0.750
0.88	7/8	0.875
1.00	1"	1.000
1.25	1-1/4	1.250
1.50	1-1/2	1.500
1.75	1-3/4	1.750
2.00	2"	2.000

Days to Ship Day

Price

Quantity Rate	1-19	20-49	50-99	100~
Rate	—	2%	3%	5%

For larger quantity orders "Days to Ship" may differ from published catalog term. P.29

Type	\$ Unit Price (Qty. 1~19)											
	D											
U-URWH	0.31	0.38	0.44	0.50	0.63	0.75	0.88	1.00	1.25	1.50	1.75	2.00
U-URWM	0.90	0.90	0.90	0.90	0.90	1.00	1.00	1.00	1.10	1.20	1.30	1.40
U-URWL	1.00	1.00	1.00	1.00	1.00	1.10	1.10	1.20	1.30	1.40	1.50	1.70

Configurable Dimension

Part No.	Choose in 0.01" Increments		T Choose in 0.001" Increments	\$ Unit Price (Qty. 1~19)		
	V	D		U-URFH	U-URFM	U-URFL
U-URFH (Shore A90)	0 (No Hole)	0.31 ~ 0.50	0.040 ~ 0.250	2.70	3.80	4.00
	0 (No Hole)	0.31 ~ 0.50	0.251 ~ 0.500	3.20	4.40	4.80
	0.12 ~ 0.34	0.31 ~ 0.50	0.040 ~ 0.250	3.00	4.20	4.40
	0.12 ~ 0.34	0.31 ~ 0.50	0.251 ~ 0.500	3.50	4.80	5.30
	0.18 ~ 0.81	0.51 ~ 1.00	0.040 ~ 0.250	3.80	5.30	5.60
	0.18 ~ 0.81	0.51 ~ 1.00	0.251 ~ 0.500	4.50	6.20	6.70
	0.25 ~ 1.25	1.01 ~ 1.50	0.040 ~ 0.250	4.20	5.90	6.30
	0.25 ~ 1.25	1.01 ~ 1.50	0.251 ~ 0.500	4.60	6.40	6.90
	0.25 ~ 1.75	1.51 ~ 2.00	0.040 ~ 0.250	6.80	9.50	10.20
	0.25 ~ 1.75	1.51 ~ 2.00	0.251 ~ 0.500	7.40	10.30	11.10
U-URFM (Shore A70)	0.25 ~ 2.25	2.01 ~ 2.50	0.040 ~ 0.250	9.40	13.10	14.00
	0.25 ~ 2.25	2.01 ~ 2.50	0.251 ~ 0.500	10.20	14.30	15.30
	0.25 ~ 2.75	2.51 ~ 3.00	0.040 ~ 0.250	12.00	16.80	18.00
	0.25 ~ 2.75	2.51 ~ 3.00	0.251 ~ 0.500	14.30	20.00	21.40
U-URFL (Shore A50)	0.25 ~ 3.25	3.01 ~ 3.50	0.040 ~ 0.250	15.60	21.80	23.40
	0.25 ~ 3.25	3.01 ~ 3.50	0.251 ~ 0.500	18.60	26.00	27.80
	0.25 ~ 3.50	3.51 ~ 4.00	0.040 ~ 0.250	19.30	26.10	34.10
	0.25 ~ 3.50	3.51 ~ 4.00	0.251 ~ 0.500	22.00	30.30	37.30

The part number consists only of the fields with blue characters.

Order Example

Part No. - -

U-URFM - V 2.00 - D 4.00 - T 0.500

Selection Criteria: V≤D-0.16

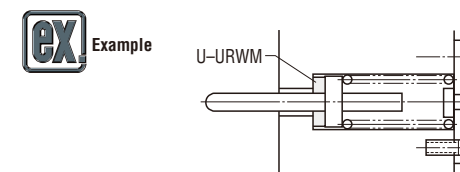
Days to Ship Days

Non-Returnable P.30

Price

Quantity	1-19	20-49	50-99	100~
Rate	—	5%	15%	30%

For larger quantity orders "Days to Ship" may differ from published catalog term. P.29



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