

Urethane Pushers -Tapped Hole-



Urethane Pushers can be used with linear shaft applications on the end of a threaded shaft, especially when the shaft is the moving part. The pushers can also be used as cylinder bumpers or end of travel bumpers. There are three types of pushers available - Shore A90 where the hardness properties are similar to a golf ball, Shore A70 similar to a baseball and Shore A50 similar to a plastic eraser.

Urethane Pushers -Threaded Shank-



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Flat
U-URLH
U-URLM
U-URLL

Round
U-URSH
U-URSM
U-URSL

Surface Roughness: Unless otherwise specified $\sqrt{250}$

Core Rod Material	Pusher Material	Pusher Hardness	Type
304 Stainless Steel	Ether Polyurethane	Shore A90	U-URLH
	Ester Polyurethane	Shore A70	U-URLM
		Shore A50	U-URLL
	Ether Polyurethane	Shore A90	U-URSH
	Ester Polyurethane	Shore A70	U-URSM
		Shore A50	U-URSL

General Tolerance Unless otherwise specified use the table below.

From	To	Tolerance
0.000	5.000	± 0.01
5.001	16.000	± 0.02
16.001	60.000	± 0.05

Thread or hole location tolerance: ± 0.005 non-cumulative.

Material Characteristics P.629

Flat
U-USLH
U-USLM
U-USLL

Round
U-USSH
U-USSM
U-USSL

Surface Roughness: Unless otherwise specified $\sqrt{250}$

Core Rod Material	Pusher Material	Pusher Hardness	Type
304 Stainless Steel	Ether Polyurethane	Shore A90	U-USLH
	Ester Polyurethane	Shore A70	U-USLM
		Shore A50	U-USLL
	Ether Polyurethane	Shore A90	U-USSH
	Ester Polyurethane	Shore A70	U-USSM
		Shore A50	U-USSL

General Tolerance Unless otherwise specified use the table below.

From	To	Tolerance
0.000	5.000	± 0.01
5.001	16.000	± 0.02
16.001	60.000	± 0.05

Thread or hole location tolerance: ± 0.005 non-cumulative.

Material Characteristics P.629

Part No.		D		L	T (Thread)		T1	SR1	R2	l1	l2	W
Flat	Round	Callout	Actual Dia.		Size	Major Dia.						
U-URLH U-URLM U-URLL	U-URSH U-URSM U-URSL	8	0.315	0.472	#6-32	0.138	0.21	0.31	0.039	0.20	0.16	0.250
		12	0.472	0.630	#10-32	0.190	0.29	0.47	0.079	0.20	0.16	0.375
		16	0.630	0.787	1/4-20	0.250	0.38	0.63	0.079	0.24	0.20	0.500
		20	0.787	0.984	5/16-18	0.313	0.47	0.79	0.118	0.31	0.24	0.625
		25	0.984	1.181	3/8-16	0.375	0.56	0.98	0.118	0.39	0.31	0.875
		30	1.181	1.378	1/2-13	0.500	0.63	1.18	0.118	0.39	0.31	1.000

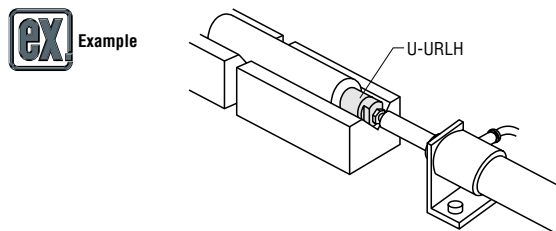
Order Example The part number consists only of the fields with blue characters.

Part No. U-URLH 20

Type D

Days to Ship 1 Day

Price



Quantity Discount Rate

Quantity	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

D	\$ Unit Price (Qty. 1-19)	
	U-URLH U-URSH	U-URLM, U-URLL U-URSM, U-URSL
8	8.20	9.90
12	9.60	11.70
16	11.20	13.60
20	13.20	15.90
25	15.80	18.70
30	17.90	22.00

Part No.		D		L	T (Thread)		T1	SR1	R2	l1	l2	(d)	f	R3 Max.	W
Flat	Round	Callout	Actual Dia.		Size	Major Dia.									
U-USLH U-USLM U-USLL	U-USSH U-USSM U-USSL	10	0.394	0.591	#10-32	0.190	0.250	0.39	0.039	0.20	0.16	0.14	0.04	0.02	0.313
		12	0.472	0.630	1/4-20	0.250	0.375	0.47	0.079	0.20	0.16	0.19	0.06	0.03	0.375
		16	0.630	0.787	5/16-18	0.313	0.469	0.63	0.079	0.24	0.20	0.24	0.08	0.04	0.500
		20	0.787	0.984	3/8-16	0.375	0.563	0.79	0.118	0.31	0.24	0.30	0.08	0.04	0.625

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

Part No. U-USLH 20

Type D

Days to Ship 1 Day

Price

Quantity Discount Rate

Quantity	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

D	\$ Unit Price (Qty. 1-19)	
	U-USLH U-USSH	U-USLM, U-USLL U-USSM, U-USSL
10	8.20	9.90
12	9.60	11.70
16	11.20	13.60
20	13.20	15.90

Related Components

Precision Linear Shafts
-Both Ends Tapped-
P.43

Precision Linear Shafts
-One Threaded End-One Tapped End-
P.49

Express Options P.30

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