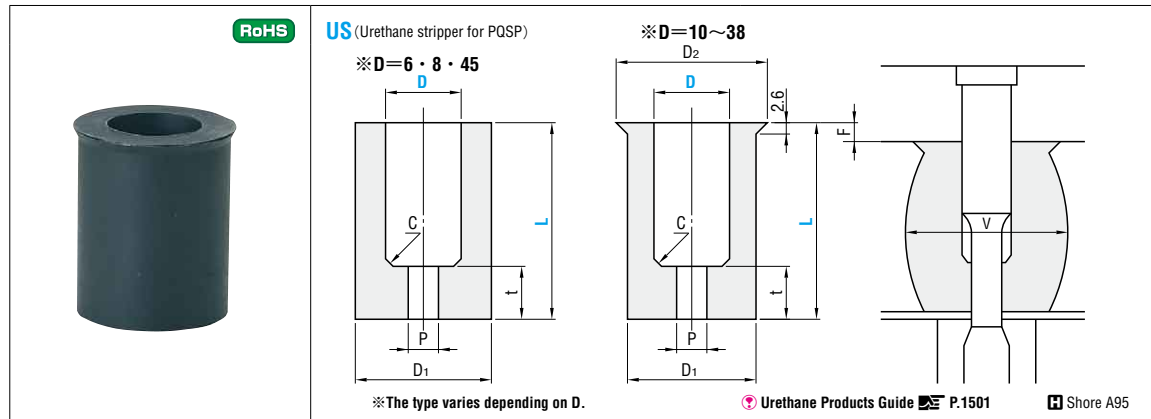


# URETHANE STRIPPERS FOR FALL-OUT PREVENTION UNITS



D	D <sub>1</sub>	D <sub>2</sub>	P	t	C	Catalog No.		L										Base unit price 1~19 pieces			
						Type	D														
6	13	—	1.5	5	1.5	US	(6)	27	32	37	42	47	52								Quotation
8	16	—	2.5				(8)	27	32	37	42	47	52								
10	18	21	3.5	6	2.0		10	27	29	32	34	37	39	42	44	47	49	52	54		
13	23	26					13	27	29	32	34	37	39	42	44	47	49	52	54		
16	28	31	4	7	2.0		16	37	39	42	44	47	49	52	54	57	59	62	64		
20	33	36					20	48	50	53	55	58	60	63	65	68	70	73	75		
25	40	43	5	8	2.0		25	48	50	53	55	58	60	63	65	68	70	73	75		
32	50	53					32	48	50	53	55	58	60	63	65	68	70	73	75		
38	60	63	—		2.0		38	49	51	54	56	59	61	64	66	69	71	74	76		
45	70	—					(45)	49	51	54	56	59	61	64	66	69	71	74	76		

Types for D (6), (8), and (45) are different. Refer to the drawing above.

Order **Catalog No.** — **L**  
US 13 — 42

Price **Quotation**

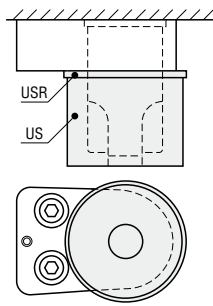
Days to Ship **Quotation**

## Protection rings for urethane strippers

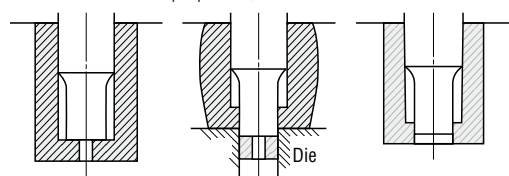
D	D <sub>2</sub>	Catalog No.	Base unit price 1~19 pieces
10	22	10	Quotation
13	27	13	
16	32	16	
20	37	20	
25	44	25	
32	54	32	
38	64	38	
45	74	45	

Example

The protection ring USR prevents damage to the urethane stripper caused by one-sided contact with the retainer surface or by interference with the bolt holes.



At the time of die adjustment, prepare the urethane stripper by performing unloaded punching so that its shape matches the punch tip before use. (Can also be used for shaped punches.)



Insert. Unloaded punching During punching use

Order **Catalog No.**  
USR 13

Days to Ship **Quotation**

Price **Quotation**

Catalog No.	F=L×10%		F=L×15%		F=L×20%		V
	Type D—L	Fmm	N (kgf) Load	Fmm	N (kgf) Load	Fmm	
US 6—27	2.7	2.7	4.1	5.4	5.4	15.0	637 (65)
32	3.2	3.2	4.8	6.4	6.4		
37	3.7	3.7	5.6	7.4	7.4		
42	4.2	4.2	6.3	8.4	8.4		
47	4.7	4.7	7.1	9.4	9.4		
52	5.2	5.2	7.8	10.4	10.4		
US 8—27	2.7	2.7	4.1	5.4	5.4	981 (100)	
32	3.2	3.2	4.8	6.4	6.4		
37	3.7	3.7	5.6	7.4	7.4		
42	4.2	4.2	6.3	8.4	8.4		
47	4.7	4.7	7.1	9.4	9.4		
52	5.2	5.2	7.8	10.4	10.4		
US 10—27	2.7	2.7	4.1	5.4	5.4	1226 (125)	
29	2.9	2.9	4.4	5.8	5.8		
32	3.2	3.2	4.8	6.4	6.4		
34	3.4	3.4	5.1	6.8	6.8		
37	3.7	3.7	5.6	7.4	7.4		
39	3.9	3.9	5.9	7.8	7.8		
42	4.2	4.2	6.3	8.4	8.4		
44	4.4	4.4	6.6	8.8	8.8		
47	4.7	4.7	7.1	9.4	9.4		
49	4.9	4.9	7.4	9.8	9.8		
52	5.2	5.2	7.8	10.4	10.4		
54	5.4	5.4	8.1	10.8	10.8		
US 13—27	2.7	2.7	4.1	5.4	5.4		1961 (200)
29	2.9	2.9	4.4	5.8	5.8		
32	3.2	3.2	4.8	6.4	6.4		
34	3.4	3.4	5.1	6.8	6.8		
37	3.7	3.7	5.6	7.4	7.4		
39	3.9	3.9	5.9	7.8	7.8		
42	4.2	4.2	6.3	8.4	8.4		
44	4.4	4.4	6.6	8.8	8.8		
47	4.7	4.7	7.1	9.4	9.4		
49	4.9	4.9	7.4	9.8	9.8		
52	5.2	5.2	7.8	10.4	10.4		
54	5.4	5.4	8.1	10.8	10.8		
US 16—37	3.7	3.7	5.6	7.4	7.4	2746 (280)	
39	3.9	3.9	5.9	7.8	7.8		
42	4.2	4.2	6.3	8.4	8.4		
44	4.4	4.4	6.6	8.8	8.8		
47	4.7	4.7	7.1	9.4	9.4		
49	4.9	4.9	7.4	9.8	9.8		
52	5.2	5.2	7.8	10.4	10.4		
54	5.4	5.4	8.1	10.8	10.8		
57	5.7	5.7	8.6	11.4	11.4		
59	5.9	5.9	8.9	11.8	11.8		
62	6.2	6.2	9.3	12.4	12.4		
64	6.4	6.4	9.6	12.8	12.8		
US 20—48	4.8	4.8	7.2	9.6	9.6		3334 (340)
50	5.0	5.0	7.5	10.0	10.0		
53	5.3	5.3	8.0	10.6	10.6		
55	5.5	5.5	8.3	11.0	11.0		
58	5.8	5.8	8.7	11.6	11.6		
60	6.0	6.0	9.0	12.0	12.0		

Catalog No.	F=L×10%		F=L×15%		F=L×20%		V
	Type D—L	Fmm	N (kgf) Load	Fmm	N (kgf) Load	Fmm	
US 20—63	6.3	6.3	9.5	12.6	12.6	3334 (340)	
65	6.5	6.5	9.8	13.0	13.0		
68	6.8	6.8	10.2	13.6	13.6		
70	7.0	7.0	10.5	14.0	14.0		
73	7.3	7.3	11.0	14.6	14.6		
75	7.5	7.5	11.3	15.0	15.0		
US 25—48	4.8	4.8	7.2	9.6	9.6	5099 (520)	
50	5.0	5.0	7.5	10.0	10.0		
53	5.3	5.3	8.0	10.6	10.6		
55	5.5	5.5	8.3	11.0	11.0		
58	5.8	5.8	8.7	11.6	11.6		
60	6.0	6.0	9.0	12.0	12.0		
63	6.3	6.3	9.5	12.6	12.6		
65	6.5	6.5	9.8	13.0	13.0		
70	7.0	7.0	10.5	14.0	14.0		
75	7.5	7.5	11.3	15.0	15.0		
US 32—48	4.8	4.8	7.2	9.6	9.6	7845 (800)	
50	5.0	5.0	7.5	10.0	10.0		
53	5.3	5.3	8.0	10.6	10.6		
55	5.5	5.5	8.3	11.0	11.0		
58	5.8	5.8	8.7	11.6	11.6		
60	6.0	6.0	9.0	12.0	12.0		
63	6.3	6.3	9.5	12.6	12.6		
65	6.5	6.5	9.8	13.0	13.0		
70	7.0	7.0	10.5	14.0	14.0		
75	7.5	7.5	11.3	15.0	15.0		
US 38—49	4.9	4.9	7.4	9.8	9.8	11278 (1150)	
51	5.1	5.1	7.7	10.2	10.2		
54	5.4	5.4	8.1	10.8	10.8		
56	5.6	5.6	8.4	11.2	11.2		
59	5.9	5.9	8.9	11.8	11.8		
61	6.1	6.1	9.2	12.2	12.2		
64	6.4	6.4	9.6	12.8	12.8		
66	6.6	6.6	9.9	13.2	13.2		
71	7.1	7.1	10.7	14.2	14.2		
76	7.6	7.6	11.4	15.2	15.2		
US 45—49	4.9	4.9	7.4	9.8	9.8	15200 (1550)	
51	5.1	5.1	7.7	10.2	10.2		
54	5.4	5.4	8.1	10.8	10.8		
56	5.6	5.6	8.4	11.2	11.2		
59	5.9	5.9	8.9	11.8	11.8		
61	6.1	6.1	9.2	12.2	12.2		
64	6.4	6.4	9.6	12.8	12.8		
66	6.6	6.6	9.9	13.2	13.2		
69	6.9	6.9	10.4	13.8	13.8		
74	7.4	7.4	11.1	14.8	14.8		
76	7.6	7.6	11.4	15.2	15.2		

Load (kgf)=Load (N) × 0.101972