

ITW Bee Leitzke

Retaining Ring Assortments



6LD28

No. of Sizes	No. of Pieces	Includes	Brand	Item No.
E-Style Retaining Ring Assortment				
9	300	(50) Each: E-25x1/4 in, E-37x3/8 in, (40) Each: E-18x3/16 in, E-50x1/2 in, (30) Each: E-6x1/16 in, E-12x1/8 in, (20) Each: E-62x5/8 in, E-75x3/4 in, E-87x7/8 in, and Plastic Container	Itw Bee Leitzke	4F414
12	255	(25) Each: E-12x1/8 in, E-15x5/32 in, E-18x3/16 in, SE-21x7/32 in, E-25x1/4 in, SE-31x5/16 in, E-37x3/8 in, E-43x7/16 in, E-50x1/2 in, (10) Each: E-62x5/8 in, E-75x3/4 in, E-87x7/8 in, and Plastic Container	—	6LD26
E-Style (Metric) Retaining Ring Assortment				
12	240	Groove Diameter (20) Each: 2.3mm, 3.2mm, 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 12mm, 15mm, 19mm	—	4KG04
External Retaining Ring Assortment				
12	218	(30) Each: SH-37x3/8 in, SH-50x1/2 in, (20) Each: SH-25x1/4 in, SH-31x5/16 in, SH-43x7/16 in, SH-56x9/16 in, SH-62x5/8 in, SH-75x3/4 in, (15) Each: SH-87x7/8 in, (10) Each: SH-81x13/16 in, SH-100x1 in, (3) Each: SH-125x1 1/4 in, and Plastic Container	Itw Bee Leitzke	4F412
12	240	(25) Each: SH-25x1/4 in, SH-31x5/16 in, SH-37x3/8 in, SH-43x7/16 in, SH-50x1/2 in, SH-56x9/16 in, SH-62x5/8 in, SH-75x3/4 in, (10) Each: SH-81x13/16 in, SH-87x7/8 in, SH-100x1 in, SH-125x1 1/4 in, and Plastic Container	—	6LD35
21	273	(25) Each: SH-25x1/4 in, SH-31x5/16 in, SH-37x3/8 in, SH-43x7/16 in, SH-50x1/2 in, SH-56x9/16 in, SH-62x5/8 in, SH-75x3/4 in, (10) Each: SH-81x13/16 in, SH-87x7/8 in, SH-100x1 in, SH-125x1 1/4 in and (5) Each: SH-131x1 3/8 in, SH-137x1 1/2 in, SH-150x1 1/2 in, SH-162x1 1/2 in, SH-175x1 3/4 in, (2) Each: SH-200x2 in, SH-225x2 1/4 in, SH-250x2 1/2 in, SH-262x2 3/4 in, and Plastic Container	—	6LD37
External (Metric) Retaining Ring Assortment				
12	240	Shaft Diameter (20) Each: 8mm, 9mm, 10mm, 12mm, 14mm, 15mm, 16mm, 18mm, 19mm, 20mm, 22mm, 24mm	—	4KGD2
External and E-Style Retaining Ring Assortment				
23	540	E-Rings (30) Each: E-12x1/8 in, E-18x3/16 in, E-25x1/4 in, E-31x5/16 in, E-37x3/8 in, E-62x5/8 in, (25) Each: E-43x7/16 in, E-50x1/2 in, SE-74x3/4 in, (20) Each: E-87x7/8 in, External Rings (30) Each: SH-37x3/8 in, SH-50x1/2 in, (25) Each: SH-31x5/16 in, SH-62x5/8 in, SH-75x3/4 in, SH-98x63/64 in, (20) Each: SH-43x7/16 in, SH-98x63/64 in, SH-100x1 in, (15) Each: SH-112x1 1/8 in, (10) Each: SH-125x1 1/4 in, SH-137x1 1/2 in, SH-150x1 1/2 in, Plastic Container, and Retaining Ring Pliers	Itw Bee Leitzke	5A203
Internal Retaining Ring Assortment				
12	180	(25) Each: HO-25x1/4 in, HO-37x3/8 in, HO-50x1/2 in, HO-62x5/8 in, HO-75x3/4 in, (10) Each: HO-87x7/8 in, HO-100x1 in, HO-112x1 1/8 in, HO-125x1 1/4 in, (5) Each: HO-150x1 1/2 in, HO-162x1 1/2 in, HO-175x1 3/4 in and Plastic Container	—	6LD28
12	218	(30) Each: HO-37x3/8 in, HO-50x1/2 in, (20) Each: HO-25x1/4 in, HO-31x5/16 in, HO-43x7/16 in, HO-56x9/16 in, HO-62x5/8 in, HO-75x3/4 in, (15) Each: HO-87x7/8 in, (10) Each: HO-81x13/16 in, HO-100x1 in, (3) Each: HO-125x1 1/4 in, and Plastic Container	Itw Bee Leitzke	4F413
23	395	(25) Each: HO-25x1/4 in, HO-37x3/8 in, HO-50x1/2 in, HO-56x9/16 in, HO-62x5/8 in, (20) Each: HO-75x3/4 in, HO-77x0.777 in, HO-81x13/16 in, HO-87x7/8 in, HO-90x0.901 in, HO-93x15/16 in, HO-102x1.023 in, (15) Each: HO-100x1 in, HO-112x1 1/8 in, HO-118x1 1/8 in, HO-125x1 1/4 in, (10) Each: HO-106x1 1/4 in, HO-131x1 1/4 in, HO-137x1 1/4 in, HO-143x1 1/4 in, HO-150x1 1/2 in, HO-156x1 1/2 in, HO-162x1 1/2 in, Plastic Case, and Retaining Ring Pliers	Itw Bee Leitzke	5A204
25	243	(25) Each: HO-37x3/8 in, HO-43x7/16 in, HO-50x1/2 in, HO-62x5/8 in, HO-68x11/16 in, HO-75x3/4 in, (10) Each: HO-81x13/16 in, HO-87x7/8 in, HO-100x1 in, HO-106x1 1/4 in, HO-112x1 1/4 in, HO-125x1 1/4 in, (5) Each: HO-137x1 1/4 in, HO-150x1 1/2 in, (3) Each: HO-162x1 1/2 in, HO-175x1 3/4 in, HO-187x1 1/2 in, HO-200x2 in, (2) Each: HO-225x2 1/4 in, HO-237x2 3/4 in, HO-250x2 1/2 in, HO-262x2 3/4 in, (1) Each: HO-275x2 3/4 in, HO-287x2 3/4 in, HO-300x3 in, and Plastic Container	—	6LD30
Internal/External/E-Style (Metric) Retaining Ring Assortment				
24	480	E-Rings (25) Each: DE-3.2x3.2mm, DE-4x4mm, DE-5x5mm, DE-6x6mm, DE-7x7mm, DE-8x8mm, DE-10x10mm, DE-12x12mm, Internal Rings (25) Each: DHO-8x8mm, DHO-10x10mm, DHO-12x12mm, DHO-14x14mm, (10) Each: DHO-16x16mm, DHO-18x18mm, DHO-20x20mm, DHO-24x24mm, External Rings (25) Each: DSH-8x8mm, DSH-10x10mm, DSH-12x12mm, DSH-14x14mm, (10) Each: DSH-16x16mm, DSH-18x18mm, DSH-20x20mm, DSH-24x24mm	—	6LD33
Internal (Metric) Retaining Ring Assortment				
12	240	Bore Diameter (20) Each: 8mm, 9mm, 10mm, 12mm, 14mm, 15mm, 16mm, 18mm, 19mm, 20mm, 22mm, 24mm	—	4KG03
Internal and External Retaining Ring Assortment				
20	221	Internal Rings (15) Each: HO-37x3/8 in, HO-43x7/16 in, HO-50x1/2 in, (10) Each: HO-56x9/16 in, HO-62x5/8 in, HO-75x3/4 in, (9) Each: HO-87x7/8 in, HO-93x15/16 in, (8) Each: HO-100x1 in, HO-102x1.023 in, External Rings (20) Each: SH-25x1/4 in, SH-31x5/16 in, (15) Each: SH-37x3/8 in, SH-43x7/16 in, (10) Each: SH-50x1/2 in, (8) Each: SH-62x5/8 in, SH-68x11/16 in, (6) Each: SH-75x3/4 in, (5) Each: SH-78x25/32 in, SH-87x7/8 in, Plastic Container, and Retaining Ring Pliers	Itw Bee Leitzke	4F420
20	410	Internal Rings (25) Each: HO-37x3/8 in, HO-43x7/16 in, HO-50x1/2 in, HO-56x9/16 in, HO-62x5/8 in, HO-75x3/4 in, (10) Each: HO-87x7/8 in, HO-100x1 in, HO-112x1 1/8 in, HO-125x1 1/4 in, External Rings (25) Each: SH-25x1/4 in, SH-31x5/16 in, SH-37x3/8 in, SH-43x7/16 in, SH-50x1/2 in, SH-62x5/8 in, SH-68x11/16 in, SH-75x3/4 in, (10) Each: SH-87x7/8 in, SH-100x1 in, and Plastic Container	—	6LD32

E-Style External Retaining Rings

Provide a large shoulder on small-diameter shafts. Snap directly into deep grooves from the side of the shaft to ensure extra thrust capacity. Inch-system rings meet ASME standard; metric-system rings meet DIN standard.

Note: Zinc-plated steel retaining rings are also available; on Grainger.com, search for "retaining rings."



For Shaft Dia.				BLACK PHOSPHATE STEEL				STAINLESS STEEL				BLACK PHOSPHATE STEEL				STAINLESS STEEL			
Fits Groove Dia.	Fits Groove Width	Free I.D.	Free O.D.	Thickness	Item No.	Pkg. Qty.		Item No.	Pkg. Qty.			Item No.	Pkg. Qty.			Item No.	Pkg. Qty.		
E-Style Retaining Ring																			
1/16 in	0.052 in	0.012 in	0.051 in	0.14 in	0.01 in	—	5DY81	100	5DE39	100	—	5DV15	100	5DA34	10	—	—	—	—
3/32 in	0.074 in	0.02 in	0.073 in	0.18 in	0.015 in	—	—	5DE41	100	—	—	5DV17	100	5DA36	10	—	—	—	—
1/4 in	0.079 in	0.02 in	0.076 in	0.375 in	0.015 in	—	—	5DE43	25	—	—	5DV19	100	5DA38	10	—	—	—	—
5/16 in	0.095 in	0.02 in	0.094 in	0.23 in	0.015 in	—	6LC51	50	5DE45	100	—	5DV21	100	5DA40	10	—	—	—	—
3/8 in	0.102 in	0.02 in	0.1 in	0.203 in	0.015 in	—	—	5DE47	100	—	—	5DV23	100	5DA42	10	—	—	—	—
7/16 in	0.116 in	0.029 in	0.114 in	0.282 in	0.025 in	—	—	5DE49	25	—	—	5DV25	100	5DA44	10	—	—	—	—
1/2 in	0.127 in	0.029 in	0.125 in	0.312 in	0.025 in	—	—	5DE51	25	—	—	5DV27	100	5DA46	10	—	—	—	—
5/8 in	0.147 in	0.029 in	0.145 in	0.335 in	0.025 in	—	—	5DE53	25	—	—	5DV29	100	5DA48	5	—	—	—	—
3/4 in	0.188 in	0.029 in	0.185 in	0.437 in	0.025 in	—	—	5DE55	50	—	—	5DV31	100	5DA50	5	—	—	—	—
7/8 in	0.21 in	0.029 in	0.207 in	0.527 in	0.025 in	—	—	5DE57	50	—	—	5DV33	50	5DA52	1	—	—	—	—
1 in	0.25 in	0.029 in	0.243 in	0.5 in	0.025 in	—	—	5DE59	50	—	—	5DV35	25	5DA53	1	—	—	—	—
1 1/8 in	0.303 in	0.039 in	0.3 in	0.66 in	0.035 in	—	—	5DE61	10	—	—	5DV37	10	5DA55	1	—	—	—	—
1 1/4 in	0.343 in	0.039 in	0.337 in	0.687 in	0.035 in	—	—	5DE63	10	—	—	5DV39	10	5DA57	1	—	—	—	—
1 1/2 in	0.396 in	0.046 in	0.392 in	0.8 in	0.042 in	—	—	5DE65	10	—	—	—	—	—	—	—	—	—	—
1 3/4 in	0.485 in	0.046 in	0.48 in	0.94 in	0.042 in	—	—	5DE67	10	—	—	—	—	—	—	—	—	—	—
2 in	0.625 in	0.056 in	0.616 in	1 in	0.05 in	—	5DY91	50	5DE69	10	—	5CU11	100	—	—	—	—	—	—
2 1/4 in	0.675 in	0.056 in	0.668 in	1.3 in	0.05 in	—	—	5DE71	1	—	—	5CU13	100	—	—	—	—	—	—
2 1/2 in	0.835 in	0.056 in	0.822 in	1.5 in	0.05 in	—	—	5DE73	1	—	—	5CU15	100	—	—	—	—	—	—
2 3/4 in	1.079 in	0.068 in	1.066 in	1.626 in	0.062 in	—	—	5DE75	1	—	—	5CU17	100	—	—	—	—	—	—
3 in	1.23 in	0.068 in	1.213 in	1.875 in	0.062 in	—	—	5DE77	1	—	—	5CU19	100	—	—	—	—	—	—
3 1/2 in	1.23 in	0.068 in	1.213 in	1.875 in	0.062 in	—	—	5DE77	1	—	—	5CU21	100	—	—	—	—	—	—
3 3/4 in	1.23 in	0.068 in	1.213 in	1.875 in	0.062 in	—	—	5DE77	1	—	—	5CU23	25	—	—	—	—	—	—
3 mm	2.3 mm	0.64 mm	—	5.9 mm	0.6 mm	—	5DV13	100	5DA32	10	—	—	—	—	—	—	—	—	—
Bowed E-Style Retaining Ring																			
1/8 in	0.095 in	0.022 in	0.094 in	0.23 in	0.01 in	—	—	5DV13	100	—	—	5CU11	100	—	—	—	—	—	—
3/16 in	0.147 in	0.03 in	0.145 in	0.335 in	0.015 in	—	—	5DE67	100	—	—	5CU13	100	—	—	—	—	—	—
1/4 in	0.21 in	0.047 in	0.207 in	0.527 in	0.025 in	—	—	5DE69	100	—	—	5CU15	100	—	—	—	—	—	—
5/16 in	0.303 in	0.06 in	0.3 in	0.66 in	0.035 in	—	—	5DE69	100	—	—	5CU17	100	—	—	—	—	—	—
3/8 in	0.396 in	0.073 in	0.392 in	0.8 in	0.042 in	—	—	5DE69	100	—	—	5CU19	100	—	—	—	—	—	—
1/2 in	0.485 in	0.077 in	0.48 in	0.94 in	0.042 in	—	—	5DE69	100	—	—	5CU21	100	—	—	—	—	—	—
5/8 in	0.58 in	0.085 in	0.574 in	1.12 in	0.05 in	—	—	5DE69	100	—	—	5CU23	25	—	—	—	—	—	—

E-Style Retaining Ring Applicators

Easily and quickly install standard radial retaining rings on a shaft.

Ring Size	Blade Width	Blade Length	Tip Length	For Use With E-Style Rings	Item No.	Ring Size	Blade Width	Blade Length	Tip Length	For Use With E-Style Rings	Item No.
0.062 in	0.265 in	1.438 in	0.375 in	5DE39 and 5C885, 5DY81	4VCY8	0.5 in	1.125 in	2.39 in	0.765 in	5DE65 and 5CE21, 6LC63	4VDA3
0.094 in	0.5 in	1.438 in	0.375 in	5DE41 and 5C887, 5DY83	4VCY9	0.625 in	1.125 in	2.39 in	0.765 in	5DE67 and 5CE23, 6LC65	4VDA4
0.11 in	0.5 in	1.438 in	0.375 in	5DE43 and 5C889, 5DY85	4VCZ1	0.75 in	1.562 in	2.625 in	0.969 in	5DE69 and 5CE25, 5DY91	4VDA5
0.125 in	0.5 in	1.438 in	0.375 in	5DE45 and 5C891, 6LC51	4VCZ2	2.3 mm	0.5 in	1.438 in	0.375 in	5DV13 and 5DA32	4VCX8
0.14 in	0.5 in	1.438 in	0.375 in	5DE47 and 5C893, 5DY87	4VCZ3	3.2 mm	0.5 in	1.438 in	0.375 in	5DV15 and 5DA34	4VCX9
0.156 in	0.5 in	1.438 in	0.375 in	5DE49 and 5C895, 6LC53	4VCZ4	4 mm	0.5 in	1.438 in	0.375 in	5DV17 and 5DA36	4VCY1
0.172 in	0.5 in	1.438 in	0.375 in	5DE51 and 5C897, 5DY89	4VCZ5	5 mm	0.812 in	2.218 in	0.593 in	5DV19 and 5DA38	4VCY2
0.188 in	0.5 in	1.438 in	0.375 in	5DE53 and 5C899, 6LC55	4VCZ6	6 mm	0.812 in	2.218 in	0.593 in	5DV21 and 5DA40	4VCY3
0.219 in	0.812 in	2.218 in	0.593 in	5DE55 and 5CE11, 5EE98	4VCZ7	7 mm	0.812 in	2.218 in	0.593 in	5DV23 and 5DA42	4VCY4
0.25 in	0.812 in	2.218 in	0.593 in	5DE57 and 5CE13, 6LC57	4VCZ8	8 mm	0.812 in	2.218 in	0.593 in	5DV25 and 5DA44	4VCY5
0.312 in	0.812 in	2.218 in	0.593 in	5DE59 and 5CE15, 5EE99	4VCZ9	9 mm	1.125 in	2.39 in	0.765 in	5DV27 and 5DA46	4VCY6
0.375 in	0.812 in	2.218 in	0.593 in	5DE61 and 5CE17, 6LC59	4VDA1	10 mm	1.125 in	2.39 in	0.765 in	5DV29 and 5DA48	4VCY7
0.437 in	0.812 in	2.218 in	0.593 in	5DE63 and 5CE19, 6LC61	4VDA2						