

ITW Bee Leitzke

Retaining Ring Assortments



6LD28

No. of Sizes	No. of Pieces		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 3/4 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	—	4KG02
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-92x51/16 in, SH-100x1 in, (15) Each: SH-112x1 1/2 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, HO-87x7/8 in, HO-100x1 in, HO-112x1 1/2 in, HO-125x1 1/4 in, (5) Each: HO-150x1 1/2 in, HO-162x1 3/4 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 1/2 in, HO-118x1 1/4 in, HO-125x1 1/4 in, (10) Each: HO-106x1 1/4 in, HO-131x1 3/8 in, HO-137x1 1/2 in, HO-143x1 1/4 in, HO-150x1 1/2 in, HO-156x1 3/4 in, HO-162x1 3/4 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 1/2 in, HO-125x1 1/4 in, (5) Each: HO-137x1 1/2 in, HO-150x1 1/2 in, (3) Each: HO-162x1 3/4 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 1/2 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.	Fits Groove Dia.	Fits Groove Width	BLACK PHOSPHATE STEEL			STAINLESS STEEL			
			Free I.D.	Free O.D.	Thickness	Item No.	Pkg. Qty.	Item No.	Pkg. Qty.
1/16 in	0.052 in	0.012 in	0.051 in	0.14 in	0.01 in	5DY81	100	5DE39	100
3/32 in	0.074 in	0.02 in	0.073 in	0.187 in	0.015 in	—	—	5DE41	100
1/8 in	0.099 in	0.02 in	0.098 in	0.23 in	0.015 in	—	—	5DE43	25
5/64 in	0.095 in	0.02 in	0.094 in	0.23 in	0.015 in	6LC51	50	5DE45	100
3/16 in	0.102 in	0.02 in	0.1 in	0.203 in	0.015 in	—	—	5DE47	100
1/4 in	0.116 in	0.029 in	0.114 in	0.282 in	0.025 in	—	—	5DE49	25
5/16 in	0.127 in	0.029 in	0.125 in	0.312 in	0.025 in	—	—	5DE51	25
3/8 in	0.147 in	0.029 in	0.145 in	0.335 in	0.025 in	—	—	5DE53	25
7/16 in	0.188 in	0.029 in	0.185 in	0.437 in	0.025 in	—	—	5DE55	50
1/2 in	0.21 in	0.029 in	0.207 in	0.527 in	0.025 in	—	—	5DE57	50
5/8 in	0.25 in	0.029 in	0.243 in	0.5 in	0.025 in	—	—	5DE59	50
3/4 in	0.303 in	0.039 in	0.3 in	0.66 in	0.035 in	—	—	5DE61	10
7/8 in	0.343 in	0.039 in	0.337 in	0.687 in	0.035 in	—	—	5DE63	10
1 in	0.396 in	0.046 in	0.392 in	0.8 in	0.042 in	—	—	5DE65	10
1 1/8 in	0.485 in	0.046 in	0.48 in	0.94 in	0.042 in	—	—	5DE67	10
1 1/4 in	0.625 in	0.056 in	0.616 in	1.0 in	0.05 in	5DY91	50	5DE69	10
1 3/8 in	0.675 in	0.056 in	0.668 in	1.3 in	0.05 in	—	—	5DE71	1
1 1/2 in	0.835 in	0.056 in	0.822 in	1.5 in	0.05 in	—	—	5E73	1
1 3/4 in	1.079 in	0.068 in	1.066 in	1.626 in	0.062 in	—	—	5E75	1
1 7/8 in	1.23 in	0.068 in	1.213 in	1.875 in	0.062 in	—	—	5E77	1
3 mm	2.3 mm	0.64 mm	—	5.9 mm	0.6 mm	5DV13	100	5DA32	10

For Shaft Dia.	Fits Groove Dia.	Fits Groove Width	BLACK PHOSPHATE STEEL			STAINLESS STEEL			
			Free I.D.	Free O.D.	Thickness	Item No.	Pkg. Qty.	Item No.	Pkg. Qty.
4 mm	3.2 mm	0.64 mm	—	6.9 mm	0.6 mm	5DV15	100	5DA34	10
5 mm	4.0 mm	0.74 mm	—	8.85 mm	0.7 mm	5DV17	100	5DA36	10
6 mm	5.0 mm	0.74 mm	—	10.85 mm	0.7 mm	5DV19	100	5DA38	10
7 mm	6.0 mm	0.74 mm	—	11.8 mm	0.7 mm	5DV21	100	5DA40	10
8 mm	7.0 mm	0.94 mm	—	13.8 mm	0.9 mm	5DV23	100	5DA42	10
9 mm	8.0 mm	1.05 mm	—	15.75 mm	1 mm	5DV25	100	5DA44	10
10 mm	9.0 mm	1.15 mm	—	18.2 mm	1.1 mm	5DV27	100	5DA46	10
11 mm	10.0 mm	1.25 mm	—	19.7 mm	1.2 mm	5DV29	100	5DA48	5
13 mm	12.0 mm	1.35 mm	—	22.7 mm	1.3 mm	5DV31	100	5DA50	5
16 mm	15.0 mm	1.55 mm	—	28.7 mm	1.5 mm	5DV33	50	5DA52	1
20 mm	19.0 mm	1.8 mm	—	36.5 mm	1.75 mm	5DV35	25	5DA53	1
25 mm	24.0 mm	2.05 mm	—	43.5 mm	2 mm	5DV37	10	5DA55	1
32 mm	30.0 mm	2.55 mm	—	51.3 mm	2.5 mm	5DV39	10	5DA57	1

Bowed E Style Retaining Ring									
For Shaft Dia.	Fits Groove Dia.	Fits Groove Width	Free I.D.	Free O.D.	Thickness	Item No.	Pkg. Qty.	Item No.	Pkg. Qty.
1/8 in	0.095 in	0.022 in	0.094 in	0.23 in	0.01 in	5CU11	100	—	—
3/16 in	0.147 in	0.03 in	0.145 in	0.335 in	0.015 in	5CU13	100	—	—
1/4 in	0.21 in	0.047 in	0.207 in	0.527 in	0.025 in	5CU15	100	—	—
5/16 in	0.303 in	0.06 in	0.3 in	0.66 in	0.035 in	5CU17	100	—	—
3/8 in	0.396 in	0.073 in	0.392 in	0.8 in	0.042 in	5CU19	100	—	—
1/2 in	0.485 in	0.077 in	0.48 in	0.94 in	0.042 in	5CU21	100	—	—
3/4 in	0.58 in	0.085 in	0.574 in	1.12 in	0.05 in	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.
0.062 in	0.265 in	1.438 in	0.375 in	5DE39 and 5CB85, 5DY81	4VCY8
0.094 in	0.5 in	1.438 in	0.375 in	5DE41 and 5CB87, 5DY83	4VCY9
0.11 in	0.5 in	1.438 in	0.375 in	5DE43 and 5CB89, 5DY85	4VCZ1
0.125 in	0.5 in	1.438 in	0.375 in	5DE45 and 5CB91, 6LC51	4VCZ2
0.14 in	0.5 in	1.438 in	0.375 in	5DE47 and 5CB93, 5DY87	4VCZ3
0.156 in	0.5 in	1.438 in	0.375 in	5DE49 and 5CB95, 6LC53	4VCZ4
0.172 in	0.5 in	1.438 in	0.375 in	5DE51 and 5CB97, 5DY89	4VCZ5
0.188 in	0.5 in	1.438 in	0.375 in	5DE53 and 5CB99, 6LC55	4VCZ6
0.219 in	0.812 in	2.218 in	0.593 in	5DE55 and 5CE11, 5EE98	4VCZ7
0.25 in	0.812 in	2.218 in	0.593 in	5DE57 and 5CE13, 6LC57	4VCZ8
0.312 in	0.812 in	2.218 in	0.593 in	5DE59 and 5CE15, 5EE99	4VCZ9
0.375 in	0.812 in	2.218 in	0.593 in	5DE61 and 5CE17, 6LC59	4VDA1
0.437 in	0.812 in	2.218 in	0.593 in	5DE63 and 5CE19, 6LC61	4VDA2

Ring Size	Blade Width	Blade Length	Tip Length	For Use With E-Style Rings	Item No.
0.5 in	1.125 in	2.39 in	0.765 in	5DE65 and 5CE21, 6LC63	4VDA3
0.625 in	1.125 in	2.39 in	0.765 in	5DE67 and 5CE23, 6LC65	4VDA4
0.75 in	1.562 in	2.625 in	0.969 in	5DE69 and 5CE25, 5DY91	4VDA5
2.3 mm	0.5 in	1.438 in	0.375 in	5DV13 and 5DA32	4VCX8
3.2 mm	0.5 in	1.438 in	0.375 in	5DV15 and 5DA34	4VCX9
4 mm	0.5 in	1.438 in	0.375 in	5DV17 and 5DA36	4VCY1
5 mm	0.812 in	2.218 in	0.593 in	5DV19 and 5DA38	4VCY2
6 mm	0.812 in	2.218 in	0.593 in	5DV21 and 5DA40	4VCY3
7 mm	0.812 in	2.218 in	0.593 in	5DV23 and 5DA42	4VCY4
8 mm	0.812 in	2.218 in	0.593 in	5DV25 and 5DA44	4VCY5
9 mm	1.125 in	2.39 in	0.765 in	5DV27 and 5DA46	4VCY6
10 mm	1.125 in	2.39 in	0.765 in	5DV29 and 5DA48	4VCY7

