

1-800-GRAINGER (472-4643)



Convertible Retaining-Ring
33HD73



Internal Retaining-Ring
5C600



External Lock-Ring
3R221



External Retaining-Ring
3JXN3



Retaining-Ring Pliers

Used to install/remove snap rings that fit into a bore (Internal) or onto a shaft (External). **Convertible** can switch their jaw motion or orientation to accommodate internal and external snap rings; eliminate the need for separate pairs of internal and external pliers. **Internal** squeeze together the ends of internal rings to seat them into bores and housings; provide more squeezing force than convertible pliers. **Non-Sparking** resist creating sparks and reduce the risk of ignition in areas where combustible dust or flammable liquids, gas, or vapors are present. **External Lock-Ring** pull apart the ends of external rings such as horseshoe lock washers and tempered steel lock rings to seat them onto gear and bearing shafts. **External Retaining-Ring** can pull apart the ends of external rings to seat them onto shafts; provide more force than convertible pliers. **Replacement Tips** fit specific brands or models of pliers.

For Bore Dia.	Tip Diameter	Overall Length	Tip Angle	Jaw Opening Type	Brand	Item No.
Convertible Retaining-Ring Pliers						
Deluxe Cushion Grip Style						
1 1/16 in to 4 1/16 in	0.038 in	6 in	0°	Manual	Westward	33HD62
	0.038 in	6 in	45°	Manual	Westward	33HD72
	0.038 in	6 in	90°	Manual	Westward	33HD69
	0.047 in	6 in	0°	Manual	Westward	33HD66
	0.047 in	6 in	45°	Manual	Westward	33HD67
	0.047 in	6 in	90°	Manual	Westward	33HD70
	0.07 in	8 in	0°	Manual	Westward	33HD64
	0.07 in	8 in	45°	Manual	Westward	33HD68
	0.07 in	8 in	90°	Manual	Westward	33HD65
	0.09 in	9 in	0°	Manual	Westward	33HD63
0.09 in	9 in	45°	Manual	Westward	33HD71	
0.09 in	9 in	90°	Manual	Westward	33HD73	
Standard Cushion Grip Style						
3/8 in to 1/2 in	0.038 in	5 1/4 in	45°	Manual	Proto	56JR28
	0.038 in	5 1/4 in	90°	Manual	Proto	56JR29
	0.038 in	5 1/2 in	0°	Manual	Proto	56JR27
	0.038 in	6 in	18°	Spring	Proto	4JV92
	0.038 in	6 in	90°	Spring	Proto	4JV83
3/8 in to 2 in	0.036 in, 0.047 in, 0.074 in	8 in	0°, 90°	Spring	Channellock	3WDW5
1/4 in to 1 in	0.023 in, 0.039 in, 0.047 in	6 1/4 in	0°, 90°	Spring	Channellock	38GU16
7/16 in to 2 in	0.07 in	7 1/2 in	90°	Manual	Proto	3R323
	0.047 in	5 3/4 in	45°	Manual	Proto	56JR31
5/8 in to 1 in	0.047 in	5 3/4 in	90°	Manual	Proto	56JR32
	0.047 in	5 3/4 in	90°	Manual	Proto	3R321
1/2 in to 1 1/2 in	0.047 in	5 7/8 in	0°	Manual	Proto	56JR30
	0.055 in	6 1/4 in	0°	Spring	Westward	4YP50
13/16 in to 3 in	0.09 in	8 5/8 in	90°	Manual	Proto	10G635
1 1/8 in to 1 3/4 in	0.07 in	7 1/2 in	45°	Manual	Proto	56JR34
	0.07 in	7 1/2 in	0°	Manual	Proto	56JR33
1 3/8 in to 4 in	0.09 in, 0.108 in, 0.12 in	10 in	15°, 90°	Spring	Channellock	3WCJ6
1 7/8 in to 1 3/4 in	0.07 in	7 1/4 in	18°	Spring	Proto	4JV85
1 1/2 in to 2 in	0.07 in	7 1/4 in	90°	Spring	Proto	4JV84
1 1/8 in to 3 in	0.09 in	9 in	45°	Manual	Proto	3R325
	0.09 in	9 in	0°	Manual	Proto	3R324
Internal Retaining-Ring Pliers						
Plain Grip Style						
122 mm to 300 mm	0.138 in	22 1/2 in	0°	Manual	Knipex	10N904
252 mm to 400 mm	0.177 in	22 1/2 in	0°	Manual	Knipex	10N905
3 1/8 in to 6 in	0.177 in	23 3/8 in	90°	Manual	Knipex	38UT67
3 1/8 in to 6 in	0.12 in	16 1/2 in	0°	Spring	Proto	3R312 *
Standard Cushion Grip Style						
8 mm to 13 mm	0.035 in	5 1/2 in	90°	Manual	Knipex	3JXK5
	0.035 in	5 1/2 in	0°	Manual	Knipex	3JXJ9
	0.035 in	5 1/2 in	45°	Manual	Knipex	3JXL1
12 mm to 25 mm	0.051 in	5 1/2 in	90°	Manual	Knipex	3JXK6
	0.051 in	5 1/2 in	0°	Manual	Knipex	38UT63
	0.051 in	5 1/2 in	45°	Manual	Knipex	3JXL2
19 mm to 60 mm	0.071 in	6 3/4 in	90°	Manual	Knipex	3JXK7
	0.071 in	7 1/2 in	0°	Manual	Knipex	3JXK2
	0.071 in	7 1/2 in	45°	Manual	Knipex	3JXL3
40 mm to 100 mm	0.091 in	8 1/4 in	90°	Manual	Knipex	10T951
	0.091 in	8 1/2 in	90°	Manual	Knipex	3JXK8
	0.091 in	8 1/2 in	0°	Manual	Knipex	3JXK3
85 mm to 140 mm	0.091 in	8 1/2 in	45°	Manual	Knipex	3JXL4
	0.126 in	5 1/2 in	90°	Manual	Knipex	10T952
	0.126 in	12 1/2 in	0°	Manual	Knipex	38UT66
1/4 in to 3/8 in	0.025 in	5 3/8 in	0°	Manual	Proto	3R330
3/8 in to 1/2 in	0.038 in	5 3/8 in	0°	Manual	Proto	5C630
3/8 in to 1 in	0.038 in	5 3/8 in	45°	Manual	Proto	3R332
1 1/8 in to 2 in	0.07 in	6 1/2 in	0°	Manual	Proto	5C631
1 1/8 in to 3 in	0.09 in	9 in	0°	Manual	Proto	5C600

For Bore Dia.	Tip Diameter	Overall Length	Tip Angle	Jaw Opening Type	Brand	Item No.
Non-Sparking Internal Retaining-Ring Pliers						
Plain Grip Style						
3/8 in to 1 in	0.05 in	5 1/2 in	0°	Manual	Ampco	32NJ19
3/4 in to 2 3/8 in	0.07 in	7 in	0°	Manual	Ampco	32NJ20
1 1/8 in to 3 1/8 in	0.09 in	8 3/4 in	0°	Manual	Ampco	32NJ21
3 3/8 in to 6 1/2 in	0.125 in	11 1/2 in	0°	Manual	Ampco	32NJ22
For Shaft Dia.						
External Lock-Ring Pliers						
Standard Cushion Grip Style						
1/2 in to 3/4 in	—	9 in	0°	Spring	Proto	3R221
1/2 in to 1 1/4 in	—	10 1/2 in	0°	Spring	Proto	3R223
External Retaining-Ring Pliers						
Plain Grip Style						
122 mm to 300 mm	0.138 in	22 in	0°	Spring	Knipex	10N906
252 mm to 400 mm	0.177 in	22 1/2 in	0°	Spring	Knipex	10N907
1/4 in to 3/8 in	0.023 in	5 1/4 in	0°	Manual	Proto	3R329
3 1/2 in to 6 1/2 in	0.12 in	16 1/2 in	0°	Spring	Proto	3R313 *
Standard Cushion Grip Style						
3 mm to 10 mm	0.035 in	5 1/2 in	45°	Spring	Knipex	3JXP6
	0.035 in	5 1/2 in	90°	Spring	Knipex	10T958
	0.035 in	5 1/2 in	90°	Spring	Knipex	10T964 *
	0.035 in	5 in	90°	Spring	Knipex	3JXN2
	0.035 in	5 1/2 in	0°	Spring	Knipex	10T963 *
	0.035 in	5 1/2 in	0°	Spring	Knipex	3JXL6
4 mm to 7 mm	0.051 in	5 1/2 in	0°	Spring	Knipex	10N909
5 mm to 13 mm	0.051 in	5 1/2 in	0°	Spring	Knipex	10N910
10 mm to 25 mm	0.051 in	5 in	90°	Spring	Knipex	3JXN3
	0.051 in	5 1/2 in	45°	Spring	Knipex	3JXN7
14 mm to 18 mm	0.051 in	5 1/2 in	90°	Spring	Knipex	10T959 *
	0.051 in	5 1/2 in	0°	Spring	Knipex	10T954
19 mm to 60 mm	0.071 in	6 1/2 in	90°	Spring	Knipex	10T960 *
	0.071 in	6 3/4 in	45°	Spring	Knipex	3JXN8
	0.071 in	6 3/4 in	90°	Spring	Knipex	3JXN4
20 mm to 30 mm	0.071 in	7 1/8 in	0°	Spring	Knipex	10T955 *
	0.071 in	7 1/8 in	0°	Spring	Knipex	3JXL8
	0.071 in	7 1/8 in	0°	Spring	Knipex	10N912
40 mm to 100 mm	0.091 in	7 7/8 in	90°	Spring	Knipex	3JXN5
	0.091 in	8 1/4 in	0°	Spring	Knipex	3JXL9
	0.091 in	8 1/4 in	45°	Spring	Knipex	3JXN9
85 mm to 140 mm	0.091 in	8 1/4 in	90°	Spring	Knipex	10T961 *
	0.091 in	8 1/2 in	0°	Spring	Knipex	10T956
	0.126 in	5 1/2 in	90°	Spring	Knipex	10T962 *
1/4 in to 1 in	0.038 in	6 1/2 in	90°	Manual	Proto	3R331
	0.038 in	6 1/2 in	0°	Manual	Proto	5C599
	0.07 in	6 1/2 in	0°	Manual	Proto	5C628
1 1/2 in to 3 1/2 in	0.115 in	9 1/2 in	0°	Manual	Proto	5C629
Non-Sparking External Retaining-Ring Pliers						
Plain Grip Style						
1/2 in to 3/8 in	0.05 in	5 1/2 in	0°	Spring	Ampco	32NJ23
3/8 in to 1 in	0.07 in	5 1/2 in	0°	Spring	Ampco	32NJ24
3/4 in to 2 3/8 in	0.07 in	7 in	0°	Spring	Ampco	32NJ25
1 1/8 in to 3 1/8 in	0.09 in	8 3/4 in	0°	Spring	Ampco	32NJ26
3 3/8 in to 6 1/2 in	0.12 in	12 1/4 in	0°	Spring	Ampco	32NJ27
For Use With Grainger For Use With Mfr.						
Item Number	Model No.	Fits Brand	Type	Brand	Item No.	
Replacement Tips for Retaining-Ring Pliers						
3WDW5	927	Channellock	—	Channellock	38GU17	
3R312, 3R313	J365	Proto	0.120 in x 90°	Proto	3R316	
3R312, 3R313	J365	Proto	0.120 in x 45°	Proto	3R315	
3R312, 3R313	J365	Proto	0.120 in x 0°	Proto	3R314	
5C601	J380	Proto	16 Piece	Proto	3R327	
3R309	J361	Proto	0.120 in Size, 8 Piece	Proto	10G624	
3R309	J361	Proto	0.108 in Size, 8 Piece	Proto	3R310	

*Includes Overexpansion Stop; helps prevent overstretching of retaining ring during installation/removal.