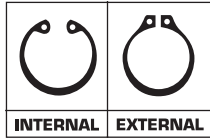


FIXED TIP CONVERTIBLE RETAINING RING PLIERS

- Knurled center screw converts from internal to external
- Cushion grip



| FIXED TIP CONVERTIBLE RETAINING RING PLIERS | | | | | | | |
|---|---------------------|-----------|---------------------|---------------------|---------------|------|------|
| Part Number | Tip Diameter (inch) | Tip Angle | Internal Ring Sizes | External Ring Sizes | length (inch) | 3495 | 3497 |
| 3483* | .038 | 0° | 3/8" – 7/16" | 1/4" – 15/32" | 6 | • | • |
| 3484* | .038 | 45° | 3/8" – 7/16" | 1/4" – 15/32" | 6 | • | |
| 3485* | .038 | 90° | 3/8" – 7/16" | 1/4" – 15/32" | 6 | • | • |
| 3486* | .047 | 0° | 29/64" – 1" | 1/2" – 7/8" | 6 | • | • |
| 3487* | .047 | 45° | 29/64" – 1" | 1/2" – 7/8" | 6 | • | |
| 3488* | .047 | 90° | 29/64" – 1" | 1/2" – 7/8" | 6 | • | • |
| 3489* | .070 | 0° | 1-1/16" – 1-3/4" | 15/16" – 1-7/16" | 7-1/2 | • | • |
| 3490* | .070 | 45° | 1-1/16" – 1-3/4" | 15/16" – 1-7/16" | 7-1/2 | • | |
| 3491* | .070 | 90° | 1-1/16" – 1-3/4" | 15/16" – 1-7/16" | 7-1/2 | • | • |
| 3492* | .090 | 0° | 1-13/16" – 3" | 1-1/2" – 3-1/2" | 9-1/4 | • | |
| 3493* | .090 | 45° | 1-13/16" – 3" | 1-1/2" – 3-1/2" | 9-1/4 | • | |
| 3494* | .090 | 90° | 1-13/16" – 3" | 1-1/2" – 3-1/2" | 9-1/4 | • | |

Individual pliers packaged in a plastic hanger.

3495* 12-PIECE FIXED TIP CONVERTIBLE RETAINING RING PLIERS SET

- Internal Ring Sizes: 3/8" – 3" (10mm – 76mm)
- External Ring Sizes: 1/4" – 3-1/2" (3mm – 89mm)
- Includes storage case



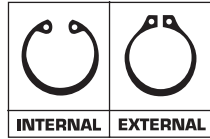
3497* 6-PIECE FIXED TIP CONVERTIBLE RETAINING RING PLIERS SET

- Internal Ring Sizes: 3/8" – 1-3/4" (10mm – 44mm)
- External Ring Sizes: 1/4" – 1-7/16" (7mm – 37mm)
- Includes storage case



FIXED TIP V-NOTCH CONVERTIBLE RETAINING RING PLIERS

- Improved design makes it possible to switch from internal to external, without separating the pliers
- Cushion grip



| FIXED TIP V-NOTCH CONVERTIBLE RETAINING RING PLIERS | | | | | | | |
|---|---------------------|-----------|---------------------|---------------------|---------------|------|------|
| Part Number | Tip Diameter (inch) | Tip Angle | Internal Ring Sizes | External Ring Sizes | length (inch) | 3595 | 3597 |
| 3583 | .038 | 0° | 3/8" – 7/16" | 1/4" – 15/32" | 6 | • | • |
| 3584 | .038 | 45° | 3/8" – 7/16" | 1/4" – 15/32" | 6 | • | |
| 3585 | .038 | 90° | 3/8" – 7/16" | 1/4" – 15/32" | 6 | • | • |
| 3586 | .047 | 0° | 29/64" – 1" | 1/2" – 7/8" | 6 | • | • |
| 3587 | .047 | 45° | 29/64" – 1" | 1/2" – 7/8" | 6 | • | |
| 3588 | .047 | 90° | 29/64" – 1" | 1/2" – 7/8" | 6 | • | • |
| 3589 | .070 | 0° | 1-1/16" – 1-3/4" | 15/16" – 1-7/16" | 7-1/2 | • | • |
| 3590 | .070 | 45° | 1-1/16" – 1-3/4" | 15/16" – 1-7/16" | 7-1/2 | • | |
| 3591 | .070 | 90° | 1-1/16" – 1-3/4" | 15/16" – 1-7/16" | 7-1/2 | • | • |
| 3592 | .090 | 0° | 1-13/16" – 3" | 1-1/2" – 3-1/2" | 9-1/4 | • | |
| 3593 | .090 | 45° | 1-13/16" – 3" | 1-1/2" – 3-1/2" | 9-1/4 | • | |
| 3594 | .090 | 90° | 1-13/16" – 3" | 1-1/2" – 3-1/2" | 9-1/4 | • | |

Individual pliers packaged in a plastic hanger.

3595 12-PIECE FIXED TIP V-NOTCH CONVERTIBLE RETAINING RING PLIERS SET

- Internal Ring Sizes: 3/8" – 3" (10mm – 76mm)
- External Ring Sizes: 1/4" – 3-1/2" (3mm – 89mm)
- Includes storage case

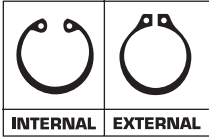


3597 6-PIECE FIXED TIP V-NOTCH CONVERTIBLE RETAINING RING PLIERS SET

- Internal Ring Sizes: 3/8" – 1-3/4" (10mm – 44mm)
- External Ring Sizes: 1/4" – 1-7/16" (7mm – 37mm)
- Includes storage case



QUICK SWITCH CONVERTIBLE RETAINING RING PLIERS



- Convert between internal/external with a quick flip of a switch
- Color-coded tip kit included with every pliers
- Cushion grip
- Patented

1421* QUICK SWITCH PLIERS WITH ADJUSTABLE STOP

- Internal Ring Sizes:
1/4" – 1" (7mm – 26mm)
- External Ring Sizes:
1/8" – 1" (3mm – 26mm)
- Straight Tips: .023", .039", .047"
(.6mm, 1.0mm, 1.2mm)
- Bent 90° Tips: .039", .047"
(1.0mm, 1.2mm)
- Length: 6"



75* QUICK SWITCH PLIERS WITH AUTOMATIC RATCHET LOCK

- Internal Ring Sizes:
1-13/16" – 4"
(46mm – 102mm)
- External Ring Sizes:
1-1/2" – 4"
(38mm – 102mm)
- Bent 15° Tips: .090",
.108", .120" (2.3mm,
2.7mm, 3.0mm)
- Bent 70° Tips: .090", .108", .120" (2.3mm, 2.7mm, 3.0mm)
- Automatic ratchet lock feature keeps rings open or closed for easy installation and removal
- Length: 10"



1434* QUICK SWITCH PLIERS

- Internal Ring Sizes: 3/8" – 2"
(10mm – 51mm)
- External Ring Sizes: 1/4" – 2"
(7mm – 51mm)
- Straight Tips: .039",
.047", .074" (1.0mm,
1.2mm, 1.9mm)
- Bent 90° Tips: .039", .047"
(1.0mm, 1.2mm)
- Length: 8"



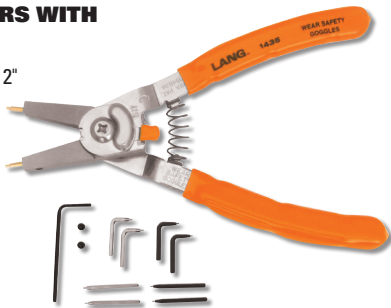
1465* 3-PIECE QUICK SWITCH RETAINING RING PLIERS SET

- Contains Models: 1421, 1434 & 75
- Includes storage case



1435* QUICK SWITCH PLIERS WITH ADJUSTABLE STOP

- Internal Ring Sizes: 3/8" – 2"
(10mm – 51mm)
- External Ring Sizes:
1/4" – 2" (7mm – 51mm)
- Straight Tips: .039", .047",
.074" (1.0mm,
1.2mm, 1.9mm)
- Bent 90° Tips: .039", .047"
(1.0mm, 1.2mm)
- Length: 8"



1450* 2-PIECE QUICK SWITCH RETAINING RING PLIERS SET

- Contains Models: 1421 and 1434
- Includes storage tray



HEAVY-DUTY REPLACEABLE TIP RETAINING RING PLIERS

1485 INTERNAL RETAINING RING PLIERS - INTERCHANGEABLE TIP

- Ring Sizes: 3-1/16" – 6-1/4" (78mm – 159mm)
- Straight Tips: .120" (3.0mm)
- Bent 45° Tips: .120" (3.0mm)
- Bent 90° Tips: .120" (3.0mm)
- Secure ratchet locking mechanism
- Length: 16"



1486 EXTERNAL RETAINING RING PLIERS - INTERCHANGEABLE TIP

- Ring Sizes: 3-1/2" – 6-1/2" (89mm – 165mm)
- Straight Tips: .120" (3.0mm)
- Bent 45° Tips: .120" (3.0mm)
- Bent 90° Tips: .120" (3.0mm)
- Secure ratchet locking mechanism
- Length: 16"

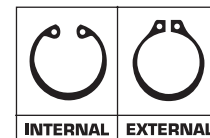


1487 2-PIECE RETAINING RING PLIERS SET

- Contains Models: 1485 and 1486

87* HEAVY-DUTY PLIERS WITH TIP KIT

- Internal Ring Sizes: 3-1/2" – 7" (90mm – 175mm)
- External Ring Sizes: 3-1/2" – 7" (90mm – 175mm)
- Bent 20° Tips: .120", .150", .180" (3.0mm, 3.8mm, 4.6mm)
- Bent 72° Tips: .120", .150", .180" (3.0mm, 3.8mm, 4.6mm)
- Provides safe and stable service of extra large retaining rings
- Compound screw lever for easy ring installation and removal
- Length: 6.5"
- Includes storage case



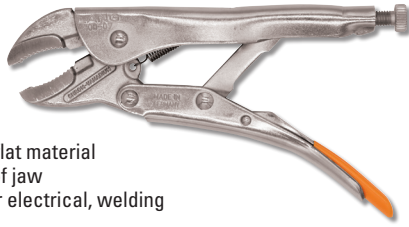
RETAINING RING PLIERS TIP KITS

| TIP SIZES | | | | |
|---------------|-----------|----------|---------------------|---------------------|
| Part Number | Models | Tips | SAE (Inch) | Metric |
| 12 | 1421 | Straight | .023", .039", .047" | .6mm, 1.0mm, 1.2mm |
| | | Bent 90° | .039", .047" | 1.0mm, 1.2mm |
| 14 | 1434,1435 | Straight | .039", .047", .074" | 1.0mm, 1.2mm, 1.9mm |
| | | Bent 90° | .039", .047" | 1.0mm, 1.2mm |
| 6515 | 75 | Bent 15° | .090", .108", .120" | 2.3mm, 2.7mm, 3.0mm |
| 6590 | 75 | Bent 70° | .090", .108", .120" | 2.3mm, 2.7mm, 3.0mm |
| 651590 | 75 | Bent 15° | .090", .108", .120" | 2.3mm, 2.7mm, 3.0mm |
| | | Bent 70° | .090", .108", .120" | 2.3mm, 2.7mm, 3.0mm |
| 8600 | 1485,1486 | Straight | .120" | 3.0mm |
| 8645 | 1485,1486 | Bent 45° | .120" | 3.0mm |
| 8690 | 1485,1486 | Bent 90° | .120" | 3.0mm |
| 8720 | 87 | Bent 20° | .120", .150", .180" | 3.0mm, 3.8mm, 4.6mm |
| 8790 | 87 | Bent 72° | .120", .150", .180" | 3.0mm, 3.8mm, 4.6mm |

LOCKING PLIERS

100-07* CURVED JAW

- Clamping range of 1-3/8" (35mm)
- Semicircular jaws are suitable for round and flat material
- Fine serration at front of jaw
- Polished wire cutter for electrical, welding wire and nails
- Length: 7"



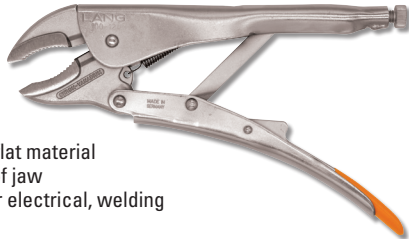
100-10* CURVED JAW

- Clamping range of 1-15/16" (50mm)
- Semicircular jaws are suitable for round and flat material
- Fine serration at front of jaw
- Polished wire cutter for electrical, welding wire and nails
- Length: 10"



100-12* CURVED JAW

- Clamping range of 2-9/16" (65mm)
- Semicircular jaws are suitable for round and flat material
- Fine serration at front of jaw
- Polished wire cutter for electrical, welding wire and nails
- Length: 12"



101-07* COMBINATION JAW

- Clamping range of 1-3/16" (30mm)
- Special jaws incorporate flat jaw on top with special curved jaw on bottom
- Suitable for round and flat material
- Captures flats on fasteners better than traditional curved jaw
- Wire groove on top jaw allows for wire and nails to be gripped from front
- Length: 7"



101-10* COMBINATION JAW

- Clamping range of 1-3/8" (35mm)
- Special jaws incorporate flat jaw on top with special curved jaw on bottom
- Suitable for round and flat material
- Captures flats on fasteners better than traditional curved jaw
- Wire groove on top jaw allows for wire and nails to be gripped from front
- Length: 10"



101-12* COMBINATION JAW

- Clamping range of 1-15/16" (50mm)
- Special jaws incorporate flat jaw on top with special curved jaw on bottom
- Suitable for round and flat material
- Captures flats on fasteners better than traditional curved jaw
- Wire groove on top jaw allows for wire and nails to be gripped from front
- Length: 12"



102-10* COMBINATION PLUS JAW

- Clamping range of 1-31/32" (50mm)
- Special jaws incorporate angled jaw on top and bottom
- Suitable for round, flat, angular and profiled material
- Captures flats on fasteners better than traditional curved jaw
- Length: 10"



104-08* COMBINATION PLIER JAW

- Clamping range of 1-9/16" (40mm)
- Special jaw combines standard combination plier shape with advantaged of locking plier
- Can be used as cutter, locking/gripping pliers, wire stripper, open end wrench, nipper, etc.
- With the locking lever, clamping force can be up to 3 times greater than normal combination pliers
- Fine serration at front of jaws
- Larger clamping range than normal combination pliers
- Length: 8"



LOCKING PLIERS

105-10* FLOATING JAW

- Clamping range of 1-3/4" (45mm)
- Special jaws incorporate angled jaw on top and floating jaw on bottom
- Suitable for round, flat and asymmetrical material
- Captures flats on fasteners better than traditional curved jaw
- Length: 10"



106-10* PARALLEL JAW

- Clamping range of 1-15/16" (50mm)
- Jaws are parallel with uniformly distributed clamping pressure
- For use on flat material, especially sheet metal work and welding
- Serrated jaws for grip
- Length: 10"



107-07* NEEDLE NOSE JAW

- Clamping range of 1-9/16" (40mm)
- For use in narrow spaces
- Fine serration at front of jaws
- Jaw thickness less than 1/4" (5mm)
- Length: 6-1/2"



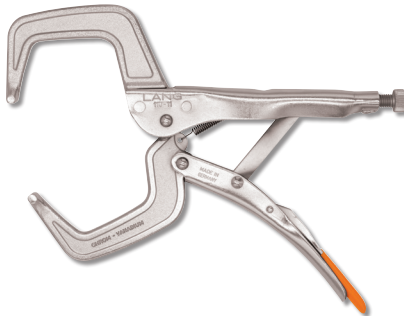
110-07* C-CLAMP JAWS

- Clamping range of 1-15/16" (50mm)
- For clamping various material shapes especially flat
- Ideal for clamping over objects
- Length: 7"



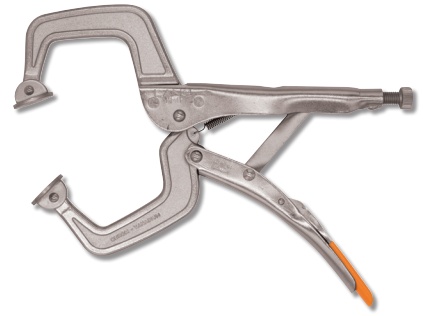
110-11* C-CLAMP JAWS

- Clamping range of 3-1/2" (90mm)
- For clamping various material shapes especially flat
- Ideal for clamping over objects
- Length: 11"



111-11* C-CLAMP MOVABLE JAWS

- Clamping range of 3-1/2" (90mm)
- For clamping various material shapes especially flat
- Ideal for clamping over objects
- Length: 11"



112-11* WELDING JAWS

- Clamping range of 2-5/16" (60mm)
- For clamping profiled or flat material
- Length: 11"



113-11* TUBE WELDING JAWS

- Clamping range of 3-8" – 3-1/2" (10 – 90mm)
- For clamping found or pipe material
- Length: 11"



114-07* SHEET METAL WELDING JAWS

- Clamping range of 1-3/4" (45mm)
- For tightening, bending and crimping thin sheet steel
- Length: 7"



HOSE CLAMP PLIERS

3444*

LARGE HOSE CLAMP PLIERS

- For use on flat type hose clamps
- Fine tooth locking ratchet
- For heavy-duty jobs
- Length: 10-1/2"



3975*

HOSE CLAMP PLIERS

- For Corbin style hose clamps
- Slotted tips rotate to grip at any angle
- Length: 8-1/4"



3976*

HOSE CLAMP PLIERS

- For flat type hose clamps
- Tips rotate to grip at any angle
- Length: 9-1/2"



3977*

ANGLED HOSE CLAMP PLIERS

- For flat type hose clamps
- Angle feature provides easy access to clamps located in hard-to-reach areas
- Length: 9"



LOCK RING PLIERS

- Spreads, removes and installs lock rings without holes
- For use on brakes, transmissions, clutch shafts, and output shafts

1407

STRAIGHT TIP

- Straight tip serrated jaws
- 3/32" tip width
- Length: 9"



1408

BENT TIP

- 90-degree angle serrated jaws
- 3/32" tip width, 1/16" tip thickness
- Length: 9"



1409

RIGHT ANGLE TIP

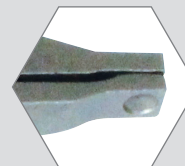
- 90-degree angle serrated jaws with dimples for lock rings with tabs
- 3/32" tip width, 1/8" tip thickness
- Length: 9"



1705

PARALLEL JAWS

- Straight, non-serrated jaws with dimples for lock rings with tabs
- Jaws remain parallel for compound, high leverage expansion of rings
- 1/4" tip width, 1/8" tip thickness
- Length: 10"



1406

3-PIECE LOCK RING PLIERS SET

- Contains Models: 1407, 1408, and 1409

HOSE PINCH PLIERS

- Self-locking feature holds after pressure is applied
- Simply pull handles apart to release
- Patented offset design allows more access in hard-to-reach areas
- Ideal for radiator, vacuum, and fuel lines hoses, plus other flexible materials

1480* LARGE

- Capacity: 2-1/2"
- Length: 13"

1470* MEDIUM

- Capacity: 1-1/4"
- Length: 9-3/4"

1460* SMALL

- Capacity: 3/4"
- Length: 6"

1500* 3-PIECE HOSE PINCH PLIER SET

- Contains Models: 1460, 1470, and 1480

