



Long Nose Pliers With Side Cutter

- Comfortable two-component handles combine durability with a secure non-slip grip.
- High-leverage joint placement increases leverage to reduce the cutting force needed.
- Jaws are polished with rust-protective coating.
- Cross-cut teeth in tips provide extra gripping power.
- Induction hardened and precisely ground cutting edges stay sharp longer.

Heavy-Duty Diagonal Cutters

- Wider, high leverage jaws for increased cutting power.
- Induction-hardened and precisely ground cutting edges stay sharp longer.
- High-leverage joint placement increases leverage to reduce the cutting force needed.





6 Piece General Service Pliers Set

Double-Dipped Plastic Handles

| Product Code | Description |
|--------------|------------------------------------|
| PLS-6A | 6 Piece General Service Pliers Set |

Contents Include:

| Product Code | Description | Product Code | Description |
|--------------|------------------------|--------------|--------------------------------|
| PL-1519C | 5" utility superjoint | PL-76C | 6 1/2" chain nose side cutters |
| PL-1520C | 10" utility superjoint | 23150 | 7" side cutting |
| PL-46C | 6" diagonal cutting | 23503 | 8 1/4" front-end stripper |

Made in U.S.A.

Features

- Combines Williams' most popular pliers in to a single set.
- 6 piece set packaged in a roll pouch.



PLIERS

PLIERS SETS



4 Piece Combination Pliers Set

Double-Dipped Plastic Handles

| Product Code | Description | |
|--------------|--------------------------------|---|
| 23052 | 4 Piece Combination Pliers Set | _ |

Contents Include:

| Product Code | Description |
|--------------|---------------------------------------|
| 23102 | 8" slip joint pliers |
| 23105 | 9 3/4" groove joint pliers |
| 23407 | 7" heavy-duty diagonal cutting pliers |
| 23411 | 8" long nose pliers |

- Double-dipped plastic handle grips are comfortable yet durable.
- Jaws are polished with rust-protective coating.
- Packaged in a vinyl bag.





4 Piece Combination Pliers Set

Double-Dipped Plastic Handles

| Product Code | Description |
|--------------|--------------------------------|
| 23054 | 4 Piece Combination Pliers Set |

Contents Include:

| Product Code | Description |
|--------------|---------------------------------------|
| 23106 | 11 3/4" groove joint pliers |
| 23403 | 8" linesman pliers |
| 23407 | 7" heavy-duty diagonal cutting pliers |
| 23411 | 8" long nose pliers |

Features

- Double-dipped plastic handle grips are comfortable yet durable.
- Jaws are polished with rust-protective coating.
- · Packaged in a vinyl bag.





Groove Joint Pliers

Double-Dipped Plastic Handles

| Product Code | Overall Length (Inches) | Maximum Jaw Opening (Inches) |
|--------------|--------------------------------|---------------------------------|
| 23104 | 6 1/4 | 7/8 |
| 23105 | 9 3/4 | 1 ⁷ /8 |
| 23106 | 11 ³ / ₄ | 2 1/4 |
| 23107 | 15 3/4 | 4 1/8 |

- Double-dipped plastic handle grips are comfortable yet durable.
- Jaws are phosphate finish for rust protection.
- Parallel jaw grip in all positions to maximum opening.







Utility Superjoint Pliers

Double-Dipped Plastic Handles

| Features | Overall Length (Inches) | Maximum Opening (Inches) | Tip Width (Inches) |
|----------|-------------------------|-------------------------------|------------------------------|
| PL-1519C | 5 | 1/2 | 3/16 |
| PL-1520C | 10 | 1 ¹ / ₂ | ⁵ / ₁₆ |
| PL-1523C | 12 | 2 5/8 | 1/2 |
| PL-1524C | 16 | 4 | 1/2 |

Features

- Multiple parallel jaw positions are locked in to proper groove for superior non-slip performance.
- Serrated jaws for maximum gripping power.
- · Polished heads resist rust and corrosion, extending the tool life.





PLIERS

PLIERS

SLIP-JOINT & COMBINATION

WILLIAMS

Combination Slip-Joint Pliers

Double-Dipped Plastic Handles

| Product Code | Overall Length (Inches) | Jaw Length (Inches) | Tip Width (Inches) |
|--------------|-------------------------|---------------------|--------------------|
| PL-6C | 6 | 1 5/32 | 3/8 |
| PL-8C | 8 | 1 13/32 | 3/8 |
| PI -10C | 10 | 1 13/32 | 1/2 |

- Multiple parallel jaw positions are locked in to proper groove for superior non-slip performance.
- Serrated jaws for maximum gripping power.
- Polished heads resist rust and corrosion, extending the tool life.
- Shear type wire cutter extends tool use.





Combination Slip-Joint Pliers

Double-Dipped Plastic Handles

| Product Code | Overall Length (Inches) | |
|--------------|-------------------------------|--|
| 23101 | 6 ¹ / ₄ | |
| 23102 | 8 | |
| 23103 | 9 3/4 | |

Features

- Double-dipped plastic handle grips are comfortable yet durable.
- Jaws are polished with rust-protective coating.
- 2 position joint allows wide range of grip.
- Shear type wire cutter extends tool use.





Industrial Grade Linesman's Pliers

Double-Dipped Plastic Handles

| Product Code | Description | Overall Length (Inches) | Jaw Length (Inches) |
|--------------|---------------|-------------------------|---------------------|
| PL-204C | Electrician's | 7 | 1/2 |
| PL-205C | Electrician's | 8 1/2 | 17/32 |
| PL-209X | New England | 9 1/2 | 3/4 |

- · Designed for wiring, electrical equipment installation and maintenance for utility linemen.
- Polished faces look good and resist corrosion.
- Induction hardened cutting edges stay sharp longer.
- · Diamond serrated jaws provide solid grip on wire.
- Double-dipped plastic handle grips are comfortable yet durable.



PL-209X





Industrial Grade Linesman's Pliers

Supplied Without Grips

| Product Code | Description | Overall Length (Inches) | Jaw Length (Inches) |
|--------------|-------------|-------------------------------|-------------------------------|
| PL-208 | Linesman's | 8 ¹ / ₂ | ¹⁷ / ₃₂ |
| PL-209 | New England | 9 ¹ / ₂ | ³ / ₄ |

Features

- Designed for wiring, electrical equipment installation and maintenance Made in U for utility linemen.
- · Polished heads resist rust and corrosion, extending the tool life.
- Induction hardened cutting edges stay sharp longer.
- · Diamond serrated jaws provide solid grip on wire.
- Supplied without grips handles are bare steel.



LINESMAN'S PLIERS

PLIERS

WILLIAMS

Heavy-Duty Piano Wire Cutting Linesman's Pliers

Double-Dipped Plastic and Bi-Mold Comfort Grip Handles

| Product Code | Overall Length (Inches) | Handle Style | Maximum Cutting Capacity (Inches) |
|--------------|-------------------------|-----------------|-----------------------------------|
| 23603 | 9 | Double-Dipped | 3/32 Piano Wire |

Features

- Specially heat-treated for cutting piano wire and other hard wire.
- High leverage jaws for increase cutting power.
- Cross-cut teeth for extra gripping power.
- Return spring for faster, easier cutting.
- · Induction hardened and precisely ground cutting edges stay sharp longer.







Standard Linesman's Pliers

Double-Dipped Plastic Handles

| Product Code | Overall Length (Inches) | Jaw Length (Inches) |
|--------------|-------------------------|---------------------|
| 23402 | 7 | 1/2 |
| 23403 | 8 | 17/32 |

- High leverage jaws for increase cutting power.
- Cross-cut teeth for extra gripping power.
- Induction hardened and precisely ground cutting edges stay sharp longer.



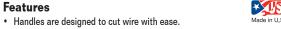


High Leverage Diagonal Cutting Pliers

Double-Dipped Plastic Handles

| Product Code | Description | Overall Length (Inches) | Cutting Blade Length (Inches) |
|--------------|---|-------------------------|----------------------------------|
| PL-57C | High Leverage Head Extra Long Handle, Offset | 7 1/4 | 15/16 |
| PL-411C | Head | 11 | 1 |

Features



- Polished heads resist rust and corrosion, extending the tool life.
- · Induction hardened cutting edges.



WILLIAMS

Industrial Grade Diagonal Cutting Pliers

Double-Dipped Plastic Handles

| Product Code | Overall Length (Inches) | Cutting Blade Length (Inches) |
|--------------|-------------------------|-------------------------------|
| PL-44C | 4 | 17/32 |
| PL-45C | 5 | 11/16 |
| PL-46C | 6 | 3/4 |
| PL-47C | 7 | 11/16 |

- Handles are designed to cut wire with ease.
- Polished heads resist rust and corrosion, extending the tool life.
- Induction hardened cutting edges.
- · Regular flush cutters are used for cutting hard wire.









Flush Cut Diagonal Cutting Pliers with Spring

Double-Dipped Plastic Handles

| Product Code | Overall Length (Inches) | Cutting Blade Length (Inches) |
|--------------|-------------------------------|-------------------------------|
| PLM-1CS | 4 ¹ / ₄ | 17/32 |
| PL-40CS | 5 | 11/16 |

Features

- Handles are designed to cut wire with ease.
- Polished heads resist rust and corrosion, extending the tool life.
- · Induction hardened cutting edges.
- · Flush cutters are used for close cutting of medium wire.



PLIERS

DIAGONAL

CUTTING PLIERS





Plastic Cutting Diagonal Pliers

Double-Dipped Plastic Handles

| | • | | |
|--------------|-------------------------|-------------------------------|--|
| Product Code | Overall Length (Inches) | Cutting Blade Length (Inches) | |
| PL-48C | 6 ³ /8 | 7/8 | |
| PL-49C | 7 1/2 | 1 1/0 | |

Features

- Polished heads resist rust and corrosion, extending the tool life.
- Induction hardened cutting edges.







Heavy-Duty Diagonal Cutting Pliers

Double-Dipped Plastic Handles

| Product Code | Overall Length (Inches) |
|--------------|-------------------------------|
| 23406 | 6 ¹ / ₄ |
| 23407 | 7 |

- · Jaws are polished with rust-protective coating.
- Wider, high leverage jaws for increased cutting power.
- Double-dipped plastic handle grips are comfortable yet durable.
- Induction hardened and precisely ground cutting edges stay sharp longer.





Standard Diagonal Cutting Pliers

Double-Dipped Plastic Handles

| Product Code | Overall Length (Inches) |
|--------------|-------------------------|
| 23404 | 5 1/2 |
| 23405 | 6 1/4 |

Features

- Jaws are polished with rust-protective coating.
- Double-dipped plastic handle grips are comfortable yet durable.
- Induction hardened and precisely ground cutting edges stay sharp longer.





End Cutting Nippers

Double-Dipped Plastic Handles

| Product Code | Overall Length (Inches) | Cutting Blade Length (Inches) |
|--------------|-------------------------|-------------------------------|
| PLM-2C | 4 1/2 | 15/32 |
| PL-167 | 7 1/2 | ¹³ / ₁₆ |



- · Ideal for cutting wire or nails that are close to the work.
- · Polished heads resist rust and corrosion, extending the tool life.
- The wide throat clearance, width of blades and angles of the cutting edges along with the handle leverage provide for easy, clean cutting or nipping.







Extra Long Reach Chain Nose Pliers

Double-Dipped Plastic Handles

| Product Code | Description | Overall Length (Inches) | Jaw Length (Inches) |
|--------------|---------------|-------------------------|------------------------|
| PL-211C | Straight Jaw | 11 | 2 13/16 |
| PL-211BC | 45° Bent Nose | 11 | 2 ⁹ /16 |
| | | | |

Features

- Polished heads resist rust and corrosion, extending the tool life.
- · Extra long handles provide access into confined areas and greater holding power at the tip.
- Bent nose model provides access to obstructed areas.



PLIERS





High Leverage Chain Nose Pliers

Double-Dipped Plastic Handles

| Product Code | Overall Length (Inches) | Jaw Length (Inches) | Width at Tip (Inches) |
|--------------|-------------------------|------------------------|--------------------------|
| PI -98C | 8 | 1 7/32 | 3/32 |



- · Polished heads resist rust and corrosion, extending the tool life.
- Longer handles for more convenient use and greater jaw gripping power.



PL-98C



Chain Nose Pliers

Double-Dipped Plastic Handles

| Product Code | Description | Overall Length (Inches) | Jaw Length (Inches) |
|--------------|--|-------------------------------|---------------------------------------|
| PL-95C | Short Nose w/cutter | 5 ¹ / ₂ | 1 5/32 |
| PL-75C | Long Nose | 6 3/4 | 2 ⁵ /16 |
| PL-76C | Long Nose w/cutter Extra Long Nose w/ | 6 1/2 | 1 ⁵ / ₁₆ |
| PL-77C | cutter | 7 1/2 | 1 29/32 |
| | | | |



Features

- · Polished heads resist rust and corrosion, extending the tool life.
- Diamond serrated jaws with industrial hardened cutting edges.



PL-75C

WILLIAMS

Thin Bent Chain Nose Pliers

Double-Dipped Plastic Handles

| Product Code | Description | Overall Length (Inches) | Jaw Length (Inches) |
|--------------|--------------------|-------------------------|------------------------|
| PL-126C | 73° Bent Thin Nose | 6 1/4 | 1 1/4 |



Features

- Polished heads resist rust and corrosion, extending the tool life.
- · Serrated jaws for extra gripping power.
- 73° bent nose model featured thin jaws angled to reach around obstacles and hard-to-reach spaces.





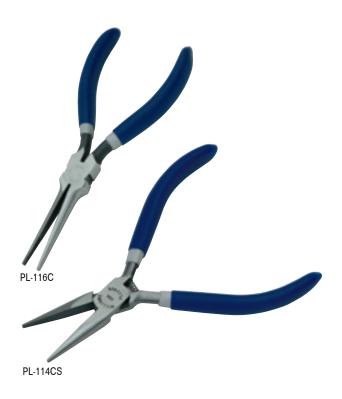
Needle Nose Pliers

Double-Dipped Plastic Handles

| Product Code | Description | Overall Length (Inches) | Jaw Length (Inches) |
|--------------|-------------|-------------------------------|--------------------------------|
| PL-114CS | Short Nose | 4 ¹ / ₂ | 1 |
| PL-116C | Long Nose | 7 | 2 ³ / ₁₆ |



- · Polished heads resist rust and corrosion, extending the tool life.
- · Serrated jaws provide extra gripping power.
- The PL-114CS short nose model is supplied with a spring and is designed for close, fine electrical and mechanical work.
- The PL-116C long nose model provides excellent gripping ability for use in tight, narrow places.









Long Nose Pliers with Side Cutter

Double-Dipped Plastic Handles

| Product Code | Description | Overall Length (Inches) |
|--------------|---------------|-------------------------------|
| 23409 | Bent Nose | 6 ¹ / ₄ |
| 23411 | Straight Nose | 8 |

Features

- Jaws are polished with rust-protective coating.
- Double-dipped plastic handle grips are comfortable yet durable.
- Induction hardened and precisely ground cutting edges stay sharp longer.



LONG NOSE PLIERS





Duck Bill Pliers

Double-Dipped Plastic Handles

| Product Code | Description | Overall Length (Inches) | Jaw Length (Inches) |
|--------------|---------------|-------------------------------|---------------------|
| PL-146C | Standard Jaw | 6 ¹ / ₂ | 2 1/16 |
| PL-149C | High Leverage | 8 | 1 1/4 |

- · Jaws are polished with rust-protective coating.
- Flat wide nose provides a better grip than the regular needle nose models.





Electrical Mini Pliers

Double-Dipped Plastic Handles

| Product Code | Description | Overall Length (Inches) | Capacity (AWG) |
|--------------|---------------|-------------------------------|---------------------------|
| 23541 | Mini Cutter | 5 1/2 | 8 |
| 23542 | Mini Stripper | 5 ¹ / ₂ | 8-18 Solid/10-22 Stranded |
| 23543 | Mini Crimper | 5 ¹ / ₂ | 10-22 |

23080 3 Piece Electrical Mini Pliers Set in Vinyl Pouch **Contents Include:**

| Product Code | Description | Product Code | Description |
|----------------|------------------------------|--------------|--------------|
| 23541 23542 | Mini Cutter Mini Stripper | 23543 | Mini Crimper |



Features

- · Double-dipped handles with air cushion pockets provide comfortable grip, reducing hand fatigue.
- · Cutter is hardened and precision-ground for cutting stranded and solid copper and aluminum wire.
- Stripper features up-front precision-ground stripping stations for exacting results in tight spaces.
- · Crimper features front-end crimp pockets guaranteed to be free from burrs and sharp edges.





Heavy Duty Front End Wire Strippers

Double-Dipped Plastic Handles

| Product Code | Overall Length (Inches) | Capacity (AWG-solid wire) | Capacity (stranded wire) |
|--------------|-------------------------------|------------------------------|--------------------------|
| 23506 | 6 1/4 | 10-20 | 12-20 |
| 23518 | 6 ¹ / ₄ | 14-24 | 16-26 |
| 23521 | 6 1/4 | 22-30 | 24-32 |

Features

- · Double-dipped handles with air cushion pockets provide comfortable grip, reducing hand fatigue.
- Spring-loaded handles speed work and reduce hand effort.
- Serrated gripping jaws in nose for use as pliers.
- · 2-piece hardened steel pivot for long life service.
- · Lock protects cutting edges in storage.









WILLIAMS

Super-Duty Front End Wire Strippers with Bolt Cutters

Double-Dipped Plastic Handles with Curved Wire Cutter

| Product Code | Overall Length (Inches) | Capacity (AWG-solid wire) | Capacity (stranded wire) |
|--------------|-------------------------|------------------------------|--------------------------|
| 23533 | 7 1/4 | 10-18 | 12-20 |
| 23535 | 7 1/4 | 20-30 | 22-32 |

- · Double-dipped handles with air cushion pockets provide comfortable grip, reducing hand fatigue.
- Longer, curved handles provide extra leverage and greater comfort.
- · Serrated gripping jaws in nose for use as pliers.
- Built-in bolt cutters cleanly cut 6-32 and 8-32 screws.













Multi-Purpose Combination Wire Tools

Double-Dipped Plastic Handles with Curved Wire Cutter

| Product Code | Description | Overall Length (Inches) | Nose Style |
|--------------|--------------------|-------------------------|-----------------|
| 23503 | Front-end Stripper | 8 1/4 | Serrated Pliers |
| 23524 | Front-end Crimper | 8 3/4 | Anvil Cutter |



Features

- Crimp and strip wire sizes 10-22 AWG.
- Double-dipped handles with air cushion pockets provide comfortable grip, reducing hand fatigue.
- 23503 cuts 6 bolt sizes: 4-40 / 5-40 / 6-32 / 8-32 / 10-32 / 10-24.
- 23524 cuts 5 bolt sizes: 4-40 / 6-32 / 8-32 / 10-32 / 10-24.



PLIERS

WIRE STRIPPERS



Romex® Strippers and Cutters

Double-Dipped Plastic Handles with Staggered Type Strippers

| Product Code | Description | Overall Length (Inches) | Stripper Sizes (AWG) |
|--------------|-----------------|-------------------------|----------------------|
| 23512 | Dual Romex® | 7 3/4 | 12-2 / 14-2 NM-B |
| 23515 | 10-2 Heavy Duty | 7 3/4 | 10-2 NM-B |



Features

- Staggered cutting design produces cleaner cuts with less effort.
- Double-dipped handles with air cushion pockets provide comfortable grip, reducing hand fatigue.
- Built-in bolt cutters cleanly cut 6-32 and 8-32 screws.
- Serrated gripping jaws in nose for use as pliers.





Coax Cable Multi Tool

Double-Dipped Plastic Handles

| Product Code | Description | Overall Length (Inches) | Stripper Sizes (AWG) |
|--------------|-----------------|-------------------------|----------------------|
| 23530 | Coax Cable Tool | 8 1/2 | RG6 / RG59 |

- Cut, strip, and crimp popular RG6 and RG59 coax cable sizes with one tool.
- Curved cutting blade cuts cleanly with less effort.
- Instructions provided on the tool for easy operation.





4-In-1 Datacom Wire Cutter

Double-Dipped Plastic Handles

| Product Code | Description | Overall Length (Inches) | Cutter Type |
|--------------|---|-------------------------|------------------------|
| 23527 | 4-in-1 Multi Purpose Datacom Wire Cutter | 7 3/4 | Anvil / Curved / Shear |

Features



- Cuts solid and stranded copper electrical wire/cable and multiconductor communications wire.
- Built-in bolt cutters cleanly cut 6-32 and 8-32 screws.
- · Wire looping holes in jaws for speedy component assembly.
- Anvil cutter at nose allow nipping wire in close quarters, while 5/8" capacity curved cutter maintain cable shape.
- Steel wire-shear easily cuts steel reinforced coax.





Wire Twister / Cutter

Produces Right Hand (clockwise) Twists

| Product Code | Overall Length (Inches) | Jaw Length (Inches) | Cutting Blade Length (Inches) |
|--------------|-------------------------|------------------------|-------------------------------|
| WTC-11 | 8.5 | 1 ¹ /16 | 1/4 |

E--4....



- Diamond-shaped, flat top jaw serrations hold wire firmly and resist knicking material being worked on.
- Diagonal nose configurations & "mini" frame allows access in tight quarters.
- Automatic return feature retracts automatically, speeding up operation use and reducing operator fatigue.
- Heat-treated cutting edge holds it edge for cutting tough (up to .041) stainless steel and safety wire.
- One hand operation allows for operator closing and locking with minimum of handle force.
- High carbon alloy steel forging are used for maximum durability and long life.







Locking Pliers and Set

Bi-Mold Comfort Grip Handles

| Product Code | Overall Length (Inches) | Style |
|--------------|----------------------------|------------------------|
| 23201 | 5 | Curved Jaw with Cutter |
| 23202 | 7 | Curved Jaw with Cutter |
| 23203 | 10 | Curved Jaw with Cutter |
| 23210 | 7 | Straight Jaw |
| 23211 | 10 | Straight Jaw |
| 23220 | 6 | Long Nose with cutter |
| 23221 | 9 | Long Nose with cutter |

Locking Pliers Sets

| Product Code | Description | | |
|--------------|---|--|--|
| 23070 | 3 Piece Locking Pliers Set with Bi-Mold Comfort Grip Handles | | |
| A I I I | • | | |

Contents Include: Product Code Description 23201 5" Curved Jaw Locking Pliers with Cutter 23202 7" Curved Jaw Locking Pliers with Cutter 23203 10" Curved Jaw Locking Pliers with Cutter

- Bi-mold handles provide comfortable grip, reducing hand fatigue.
- · Convenient one-hand release lever.
- Heavy-duty jaw surfaces provide extra gripping power.
- Packed in a vinyl pouch.





Locking Pliers

Curved Jaw with Wire Cutter Locking Pliers

| Product Code | Overall Length (Inches) | |
|--------------|-------------------------|--|
| 23301 | 5 | |
| 23302 | 7 | |
| 23303 | 10 | |

Straight Jaw Locking Pliers

| Product Code | Overall Length (Inches) |
|--------------|-------------------------|
| 23304 | 7 |
| 23305 | 10 |

Long Nose with Wire Cutter Locking Pliers

| Product Code | Overall Length (Inches) | |
|--------------|-------------------------|--|
| 23309 | 6 | |
| 23310 | 9 | |

Locking C-Clamps

| Product Code | Overall Length (Inches) | |
|--------------|-------------------------|--|
| 23320 | 6 | |
| 23321 | 11 | |

Locking C-Clamps wth Swivel Pad

| Product Code | Overall Length (Inches) | |
|--------------|-------------------------|--|
| 23222 | 6 | |

23072 3 Piece Locking Pliers Set

Contents Include:

| Product Code | Description | |
|--------------|---|--|
| 23301 | 5" Curved Jaw Locking Pliers with Cutter | |
| 23302 | 7" Curved Jaw Locking Pliers with Cutter | |
| 23303 | 10" Curved Jaw Locking Pliers with Cutter | |

23074 4 Piece Locking Pliers Set Contents Include:

| Product Code | Description | |
|--------------|---|--|
| 23301 | 5" Curved Jaw Locking Pliers with Cutter | |
| 23303 | 10" Curved Jaw Locking Pliers with Cutter | |
| 23309 | 6" Long Nose with Wire Cutter | |
| 23310 | 9" Long Nose with Wire Cutter | |

23076 5 Piece Locking Pliers Set Contents Include:

| Product Code | Description | | |
|--------------|--|--|--|
| 23301 | 5" Curved Jaw Locking Pliers with Cutter | | |
| 23302 | 7" Curved Jaw Locking Pliers with Cutter | | |
| 23305 | 10" Straight Jaw | | |
| 23310 | 9" Long Nose with Wire Cutter | | |
| 23320 | 6" Locking C-Clamp | | |

- Convenient one-hand release lever.
- Heavy-duty jaw surfaces provide extra gripping power.





















Snap Ring Pliers

Double-Dipped Plastic Handles

| Product Code | Tip Size | Tip Angle (Degree) |
|--------------|----------|--------------------|
| PL-1620 | 0.038 | 0° |
| PL-1621 | 0.038 | 45° |
| PL-1622 | 0.038 | 90° |
| PL-1623 | 0.047 | 0° |
| PL-1624 | 0.047 | 45° |
| PL-1625 | 0.047 | 90° |
| PL-1626 | 0.070 | 0° |
| PL-1627 | 0.070 | 45° |
| PL-1628 | 0.070 | 90° |
| PL-1629 | 0.000 | 0° |
| PL-1630 | 0.090 | 45° |
| PL-1631 | 0.090 | 90° |

Combination Internal/External Snap Ring Pliers Set Pliers set in a plastic carrying case

Contents Include:

| Product Code | Description | |
|--|---|--|
| PL-1612 | 12 Piece Combination Internal/External Snap Ring Pliers Set | |
| Set includes 1 each Span Bing Blior listed shows | | |

Combination Internal/External Snap Ring Pliers Set Pliers set in a plastic carrying case Contents Include:

| Product Code | Description | |
|--|--|--|
| PI-1606 | 6 Piece Combination Internal/External Snap Ring Pliers Set | |
| Set includes 1 each Snap Ring Pliers, PL-1620, PL-1622, PL-1623, PL-1625, PL-1626, PL-1628 | | |

Features

- · Cushioned grip handles.
- Pliers are convertible for use on internal and external snap rings.
- Knurled center screw with spring for easy changing and secure hold.



PLIERS

LOCKING PLIERS

& RETAINING RING PLIERS



PL-1612



PL-1606



Retaining Ring Pliers and Set

| Double-Dipped Plastic Handles | | | | The Latest |
|-------------------------------|--|--|---|--|
| Product Code | Description | Minimum Opening (Ctr. To Ctr.) | Maximum Opening (Ctr. To Ctr.) | Tips Included (Each Plier Includes 2 of Each) |
| PL-1600C-1 PL-1600C-2 | Internal pliers with tips External pliers with tips | ³ / ₃₂ ³ / ₃₂ | ²⁵ / ₃₂ 1 ¹ / ₃₂ | 0.035" 90° 0.045" 45° 0.045" Straight 0.060" Straight |

| Snap Ring Pliers Set Product Code | Description | |
|------------------------------------|----------------------------|--|
| PL-1600C | Snap Ring Pliers Set | |
| Contents Includes: Product Code | Description | |
| PL-1600C-1 | PL-1600C-1 Internal Pliers | |
| PL-1600C-2 | PL-1600C-2 Internal Pliers | |

| Replacement | Tip Set | Contents | Includes: |
|-------------|---------|----------|------------|
| Hepiadement | Tip Oct | | IIIOIMMCOI |
| | | | |

| Product Code | Description |
|--------------|------------------------------|
| PL-1600C-3 | 16 Piece Replacement tip set |

Features



- External snap rings designed for use in shafts, studs, etc with shaft diameters .250 to 1.438 inches.
- PL-1600C-1 and PL-1600C-2 each supplied with 8 tips (2 each: 90° x .035 and 45° x .045 angle
 - tips and .045 and .060 straight tips).
- · Made of high quality carbon steel with black-oxide finish to resist rust and other corrosions.
- · Tips heat treated for a secure grip.
- · Pliers provided with cushion grip handles.
- Set consists of one internal and one external snap ring pliers and 16 tips in a vinyl pouch.
- Tip set includes 4 each of interchangeable tips: 90° x .035 and 45° x .045 angle tips and .045 and .060 straight tips.



Convertible Retaining Ring Pliers and Set

| Double-Dip Product Code | pped Plastic Handles Capacity (Max. Ring Dia.) | Tips Included (Includes 2 of Each) |
|----------------------------|---|------------------------------------|
| 23801 | 2" | 0.038" Straight Tips (Yellow) |
| | | 0.038" 90° Tips (Yellow) |
| | | 0.047" Straight Tips (Green) |
| | | 0.047" 90° Tips (Green) |
| | | 0.070" Straight Tips (Copper) |
| 23803 | 1" | 0.024" Straight Tips (Red) |
| | | 0.038" Straight Tips (Yellow) |
| | | 0.038" 90° Tips (Yellow) |
| | | 0.047" Straight Tips (Green) |
| | | 0.047" 90° Tips (Green) |

| Retaining Ring Pliers Set | | |
|------------------------------------|-----------------------------------|--|
| Product Code | Description | |
| 23092 | Retaining Ring Pliers Set | |
| Contents Includes: Product Code | Description | |
| | <u> </u> | |
| 23801 | 2" Capacity Retaining Ring Pliers | |
| 23803 | 1" Capacity Retaining Ring Pliers | |

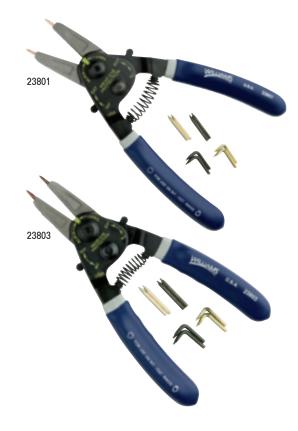
Replacement Tip Kits Contents Includes:

| Product Code | Description |
|--------------|------------------------------------|
| 23802 | Replacement Tip Kit Only for 23801 |
| 23804 | Replacement Tip Kit Only for 23803 |

Features

- · Easily convert for use on internal and external rings by moving convenient adjusting levers.
- · Each pliers includes five pairs of color-coded tips for maximum versatility.
- · Hex-shaped locking guides firmly hold tips in place.
- · Double-dipped handles with air cushion pockets provide comfortable grip, reducing hand fatigue.
- Spring-loaded handles speed work.











Heavy Duty Retaining Ring Pliers & Tips

Double-Dipped Plastic Handles

| Product Code | Description | Minimum Opening (Ctr. To Ctr.) | Maximum Opening (Ctr. To Ctr.) |
|--------------|---------------------------|-----------------------------------|-----------------------------------|
| PL-527 | Internal snap ring pliers | ⁵ / ₁₆ | 1 ¹³ / ₃₂ |
| PL-528 | External snap ring pliers | | 1 ¹⁷ / ₃₂ |

Tips for Heavy Duty Retaining Ring Pliers

| • | , , , , |
|--------------|-------------------------------|
| Product Code | Description (Includes 2 each) |
| PL-529A | 0.108" Straight Tips |
| PL-529B | 0.108" 15° Tips |
| PL-529C | 0.108 45° Tips |
| PL-529D | 0.108 90° Tips |
| PL-530A | 0.120 Straight Tips |
| PL-530B | 0.120 15° Tips |
| PL-530C | 0.120 45° Tips |
| PL-530D | 0.120 90° Tips |

Heavy Duty Retaining Ring Pliers Set PL-529

| Product Code | Contents Include: |
|--------------|---------------------------|
| PL-527 | Internal snap ring pliers |
| PL-528 | External snap ring pliers |

Set includes 2 each of heavy duty tips listed above

Features

- Internal snap rings designed for use in housings, boxes, etc.
- External snap rings designed for use in shafts, studs, etc.
- Pliers supplied with spring ratchet lock assembly which allows the ring to be compressed or expanded with gradual adjustments which lock at the desired size without continued pressure on the handles.
- Made of high quality carbon steel with black-oxide finish to resist rust and other corrosions.
- · Tips heat treated for a secure grip.
- Tips not provided with pliers when pliers are ordered individually.



RETAINING RING PLIERS



PL-529



Fixed Tip Retaining Ring Pliers

Double-Dipped Plastic Handles

| Product | Overall Length | Jaw Length | Tip Diameter (Inches) | Minimum Jaw | Maximum Jaw |
|----------|---|--------------------------------|-----------------------|------------------|---------------------------------|
| Code | (Inches) | (Inches) | | Opening (Inches) | Opening |
| Internal | | | | | |
| PL-531 | 5 ¹ / ₂ 6 ¹ / ₂ | ⁷ / ₈ | 0.38 | 3/ ₃₂ | 2 ³ / ₈ |
| PL-532 | | 1 | 0.38 | 3/ ₃₂ | 2 ³¹ / ₃₂ |
| External | | | | | |
| PL-533 | 6 ¹ / ₂ 7 | ⁷ / ₈ | 0.70 | 3/32 | 1 ¹ / ₃₂ |
| PL-534 | | 2 ¹ / ₁₆ | 0.70 | 3/32 | 1 ¹ / ₄ |

Features

- Internal used for installing and removing internal retaining rings in a bore without damage to the ring.
- External used for installing and removing external retaining rings on a shaft without damage to the ring.
- Manufactured from high carbon, heat treated steel.
- Designed for accurate fit and long wear by precision forming and induction hardening.
- · Finished with black oxide coating.







Locking Ring Pliers

Black Jaws

| Product Code | Overall Length (Inches) | Jaw Length (Inches) | Width at Tip (Inches) |
|--------------|-------------------------|-------------------------------|-----------------------|
| PL-1515 | 8 | 1 ³ / ₈ | 5/16 |

Features

 For spreading horseshoe lock washers and steel lock rings used on gear and bearing shafts.







