



RETAINING RING PLIERS AND SET

Double-Dipped Plastic Handles

Product Code	Description	Minimum Opening (Ctr. To Ctr.)	Maximum Opening (Ctr. To Ctr.)	Tips Included (Each Plier Includes 2 of Each)
PL-1600C-1	Internal pliers with tips	$\frac{3}{32}$	$\frac{25}{32}$	0.035" 90°
PL-1600C-2	External pliers with tips	$\frac{3}{32}$	1 $\frac{1}{32}$	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 External Pliers

Replacement Tip Set Contents Includes:

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

Features

- Internal snap rings designed for use in housings, boxes, etc with bore diameters .375 to 1.750 inches.
- 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 corrossions.
- 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 pouch.
- Tip set includes 4 each of interchangeable tips: 90° x .035 and 45° x .045 angle tips and .045 and .060 straight tips.



PL-1600C-1



PL-1600C-2



CONVERTIBLE RETAINING RING PLIERS AND SET

Double-Dipped Plastic Handles

Product Code	Capacity (Max. Ring Dia.)	Tips Included (Includes 2 of Each)
23801A	2"	0.039" Straight Tips (Yellow) 0.038" 90° Tips (Yellow) 0.047" Straight Tips (Green) 0.047" 90° Tips (Green) 0.074" Straight Tips (Copper)
23803A	1"	0.023" Straight Tips (Red) 0.039" 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
23801A	2" Capacity Retaining Ring Pliers
23803A	1" Capacity Retaining Ring Pliers

Replacement Tip Kits Contents Includes:

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

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.



23801A



23803A





PL-529

WILLIAMS

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	$\frac{5}{16}$	$1 \frac{13}{32}$
PL-528	External snap ring pliers	$1 \frac{1}{32}$	$1 \frac{17}{32}$

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 corrossions.
- Tips heat treated for a secure grip.
- Tips not provided with pliers when pliers are ordered individually.



PLIERS, CLAMPS
& PIPE TOOLS

RETAINING RING



FIXED TIP RETAINING RING PLIERS

Double-Dipped Plastic Handles

Product Code	Overall Length (Inches)	Jaw Length (Inches)	Tip Diameter (Inches)	Minimum Jaw Opening (Inches)	Maximum Jaw Opening
Internal					
PL-531	5 1/2	7/8	0.038	3/32	2 3/8
PL-532	6 1/2	1	0.070	3/32	2 31/32
External					
PL-533	6 1/2	7/8	0.038	3/32	1 1/32
PL-534	7	2 1/16	0.070	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.



PL-531



PL-532



PL-534



PL-533



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.



PL-1515