

Double-X™ Hose Grip Pliers

- Maximum reach without exceeding center point of interference
- Jaws open wider than the handles for added reach in tight locations
- Flush rivets for strength with a narrow profile
- Compound joint allows access with minimal handle movement
- Use to install and remove hoses and lines without damage
- Manufactured from alloy steel for improved strength and durability
- Comfort grip handles to reduce hand fatigue



Cat. No.	Overall Length	Jaw Length	Jaw Width	Jaw Thickness	Jaw Capacity	Jaw Type	Wire Cutter	Product Weight
82017	13.25 in	2.87 in	0.68 in	0.39 in	.312 in	Hose Grip	No	0.96 lb
82018	13.13 in	2.81 in	0.68 in	0.39 in	.5 in	Hose Grip	No	0.96 lb
82019	13.03 in	2.5 in	0.68 in	0.39 in	.75 in	Hose Grip	No	0.95 lb

2 Pc. Double-X™ Internal & External Snap Ring Pliers Set

- Interchangeable straight and 90° tips can be easily replaced
- Maximum reach without exceeding center point of interference
- Jaws open wider than the handles for added reach in tight locations
- Flush rivets for strength with a narrow profile
- Compound joint allows access with minimal handle movement
- Manufactured from alloy steel for improved strength and durability
- Comfort grip handles to reduce hand fatigue
- Includes 5 sets of replaceable tips .038" straight & 90° .047" straight & 90°, .07" straight
- Replacement tip set 315177



Cat. No.	Included Storage	Product Weight
82110	None	2.14 lb

Cat. No.	Description
82032	Double-X™ Internal Snap Ring Pliers
82033	Double-X™ External Snap Ring Pliers
315177	Convertible Retaining Ring Tips .038 in Straight & 90° .047 in Straight & 90° .07 in Straight

Double-X™ Internal Snap Ring Pliers

- Interchangeable straight and 90° tips can be easily replaced
- Maximum reach without exceeding center point of interference
- Jaws open wider than the handles for added reach in tight locations
- Flush rivets for strength with a narrow profile
- Compound joint allows access with minimal handle movement
- Manufactured from alloy steel for improved strength and durability
- Comfort grip handles to reduce hand fatigue
- Includes 5 sets of replaceable tips .038" straight & 90° .047" straight & 90°, .07" straight
- Replacement tip set 315177



Cat. No.	Overall Length	Jaw Length	Tip Description	Jaw Width	Jaw Thickness	Jaw Type	Product Weight
82032	13.46 in	3.15 in	.038 in Straight & 90° .047 in Straight & 90° .07 in Straight	0.68 in	0.39 in	Internal	1.06 lb

Double-X™ External Snap Ring Pliers

- Interchangeable straight and 90° tips can be easily replaced
- Maximum reach without exceeding center point of interference
- Jaws open wider than the handles for added reach in tight locations
- Flush rivets for strength with a narrow profile
- Compound joint allows access with minimal handle movement
- Manufactured from alloy steel for improved strength and durability
- Comfort grip handles to reduce hand fatigue
- Includes 5 sets of replaceable tips .038" straight & 90° .047" straight & 90°, .07" straight
- Replacement tip set 315177



Cat. No.	Overall Length	Jaw Length	Tip Description	Jaw Width	Jaw Thickness	Jaw Type	Product Weight
82033	13.46 in	3.15 in	.038 in Straight & 90° .047 in Straight & 90° .07 in Straight	0.68 in	0.39 in	External	1.12 lb

5 Pairs of Interchangeable Snap Ring Plier Tips

- For use with internal and external convertible pliers
- Includes 5 pair of replacement tips and a hex key



Cat. No.	Used On	Tip Description	Jaw Type	Product Weight
315077	3150D	.024 in Straight .038 in Straight & 90° .047 in Straight & 90°	Convertible	0.090 lb
315177	82032 82033 82110 3151	.038 in Straight & 90° .047 in Straight & 90° .070 in Straight	Convertible	0.05 lb
315277	3152D	.090 in 15° .090 in 90° .108 in 15° & 90° .120 in 15° & 90°	Convertible	0.100 lb