

TOOLS UNLIMITED

PRESENTS

A PREMIUM HAND TOOL LINE

EQUIVELANT TO

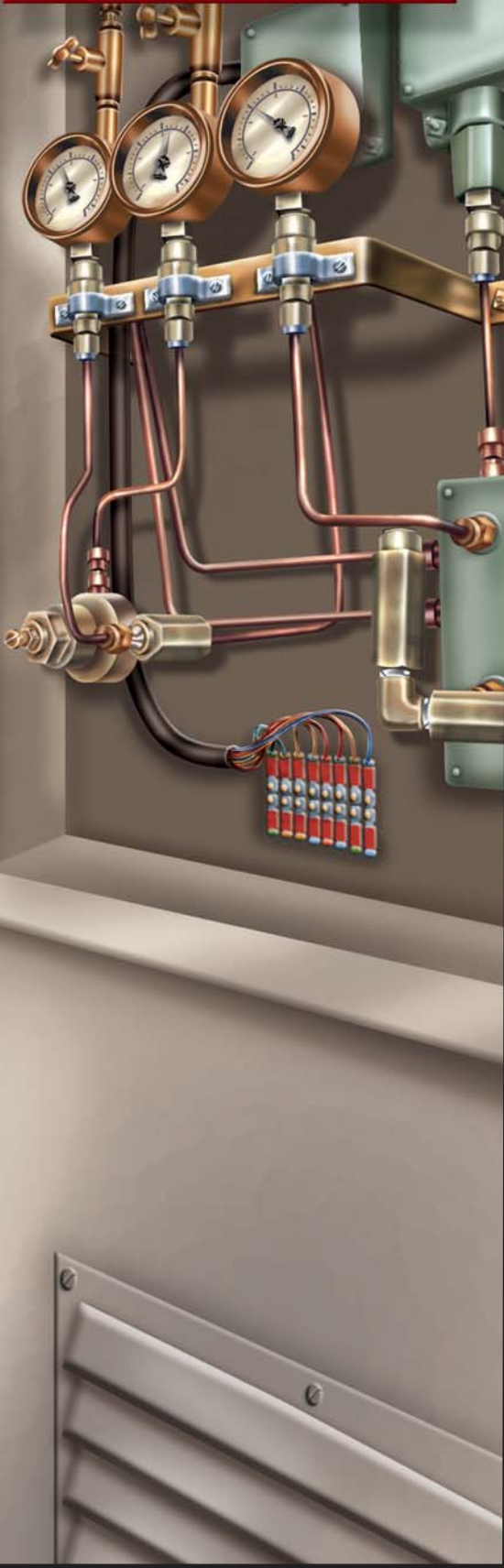
PROTO SK ARMSTRONG

But WITHOUT THE HIGH PRICE

URREA

PROFESSIONAL TOOLS

URREA



PLIERS AND SNIPS

LOCKING PLIERS

412



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SNIPS

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Pliers are tools used to hold, remove, twist, fold, and sometimes cut various materials. Snips are used essentially to cut; like pliers, they have a joint that acts as a leverage point to increase the amount of torque applied.

These tools are used intensively in industry and in automotive service and maintenance shops.

There are many types within the plier's family, such as pliers with special coatings for handling high-voltage lines without putting the operator at risk. Another type that is obviously very relevant to maintenance and repair activities in industry is electrician's pliers. There are many types of these, with varying jaw shapes, cutting mechanisms, and types of action.

The electronics field requires a special line of pliers, for applications such as flush cutting, which is indispensable for precision cuts on electronic cards, boards, and other components. Like electrician's pliers, there are many types of electronics pliers, varying by head design, action mechanism, and types of cuts.

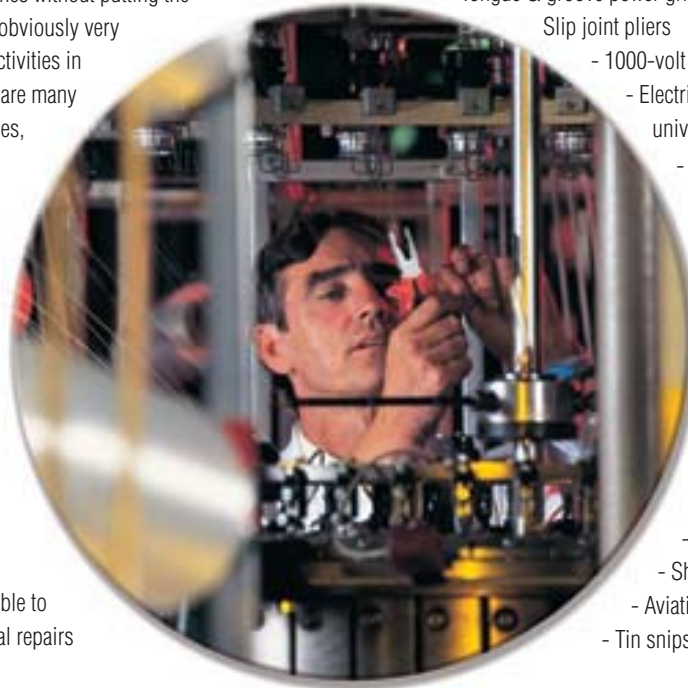
Wire-stripping pliers must be adaptable to various devices for handling electrical repairs and maintenance.

Locking pliers are another type, with a special mechanism that makes them very accurate and safe. Their design includes a unique gripping system, and they vary depending on jaw design, cutting section, and, most importantly, action system or mechanism, so they hold while your hands are free to accomplish other tasks.

Tongue-and-groove or adjustable pliers have a wide range of applications in mechanical work, plumbing, and general use.

There are also many variations to adapt to the wide range of needs in the automotive sector, such as retaining ring pliers, which vary according to the length, shape, and/or angle of the pointed jaws and by action mechanism. There are also other specialty types, such as flow obstruction pliers, intended for handling hoses without having to drain the liquids inside them; pliers for repairing brakes and for removing vehicle wheel weights; and wire twisting pliers, used in aviation and in applications where vibration can loosen fasteners.

Our line of snips includes types used for cutting metal, such as aviation snips, and also for cutting other materials such as tin, cable, copper, PVC, etc.



URREA pliers and snips:

- Our broad and widely varied product line includes more than 140 snips and pliers:

Locking pliers: universal, straight, or curved jaw, long nose, chain type, clamp type, and specialty types.

Tongue & groove pipe pliers

Tongue & groove power grip pliers

Slip joint pliers

- 1000-volt pliers
- Electrician's pliers, short, needle-nose, universal, and high-leverage
- Extra-long slip joint pliers
- Electronics pliers, short and needle-nose
- Wire stripping pliers
- Retaining ring pliers, Internal and external with a variety of angles
- Wire twisting pliers
- Flow obstruction pliers
- Brake spring pliers
- Wheel weight pliers
- PVC snips
- Short copper wire snips
- Aviation snips
- Tin snips

- Some pliers are included in our more than 6 sets, sold in practical organizers such as our plastic boxes for transporting, organizing, and protecting your tools.

- Fabricated of high-quality steel, most are hot-forged and some are cold-stamped. They are also precision machined and heat-treated to provide the best combination of hardness, tensile strength, and pressure resistance.
- Some URREA pliers and snips have a tough nickel-chromium coating to prevent corrosion, some are blued, and others are simply glazed.
- Compliant with American and European domestic and international standards.
- Country of origin stamped permanently and indelibly on each tool, reinforcing their high-quality image. This country of origin stamp complies with ASME / ANSI standards and the regulations of the Federal Trade Commission of the United States of America.

The information presented in this chapter is organized as follows:

- Technical standards
- Manufacturing process
- Quick selection guide
- Detailed product specifications
- Safety recommendations

SELECTION AND PRODUCT CODE GUIDE FOR PLIERS AND SNIPS

LOCKING PLIERS

- Universal: 4XXXU
- Straight jaw: 4XX1, 29XR
- Curved jaw: 4XX2
- Curved jaw with wire cutter: 4XXX, 29XWR
- Long nose: 409X, 28XLN
- Universal with clamp 4102UR
- For welders: 4129, 260R
- For sheet metal: 4128, 260R
- Locking C clamps: 41XX, 266R
- Chain type 4120
- Flow obstruction: 41XX



ADJUSTABLE-JOINT PLIERS

- Self Adjustable: 234P
- Tongue & groove pipe pliers, super-heavy-duty industrial use: 26XG
- Tongue & groove pipe pliers: 27X
- Power grip: 2XXG
- Slip joint with Rubber Grip: 2XXG
- Slip joint: 2XX



ELECTRICIAN'S PLIERS

- 1000-volt universal slip joint: 18X, 181HD
- 1000-volt side cutting: 18X, 183HD
- 1000 volts: 201 / 18X / 18XHD
- High-leverage cutting: 207GWS
- High-leverage diagonal cutting: 207GHL / 207G / 2292G
- Diagonal cutting, with spring: 20XGR
- Diagonal cutting: 20XG / 207GWS
- Curved-jaw universal, side cutting: 25XG
- Electrician's, high-leverage, side cutting: 2XXGHL
- Electrician's, high-leverage, end cutting: 273GHL
- Electrician's, side cutting: 26XG
- Long-nose, side cutting: 226GXX
- Slip joint, extra-long: 2XXG
- Compound lever: 22XXGCL / 2292GCL
- Long nose: 22XG / 282GX



ELECTRONICS PLIERS

- Diagonal cutting with spring, super-heavy-duty industrial use: 204P
- Narrow-head, flush cutting, with spring, super-heavy-duty industrial use: 2814XP
- Narrow head, flush cutting, with spring: 2814X
- Die-stamped, flush cutting, with spring: 170M / 170
- Flat nose: 28580X
- Round nose, smooth jaw, with spring: 28560X
- Straight needle nose, smooth jaw, with spring: 28641X
- Bent needle nose: 28520X



WIRE STRIPPING PLIERS

- With terminal crimper and screw cutter: 29XX / 30X
- Wire stripping pliers: 29X
- Universal, small: 296
- Wire cutters: 295 / 28XG
- Plastic cutter plier: 21XG



RETAINING RING PLIERS

- High power: 36X
- Flat nose, super-heavy-duty industrial use: 250P
- Flat nose: 25XG
- Forged external, super-heavy-duty industrial use: 36XP
- Forged internal, super-heavy-duty industrial use: 36XP
- External: 3XXX
- Internal: 3XXX
- 0° convertible, extra-heavy-duty industrial use: 3XXL
- 90° convertible, extra-heavy-duty industrial use: 3XXL
- 0° convertible: 3XX
- 45° convertible: 3XX
- 90° convertible: 3XX



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SPECIALTY PLIERS

- Wire twisting, with spring: 19X
- Flow obstruction: 253G
- Brake spring pliers: 217
- Wheel weight pliers: 25K
- Folding multifunction tools: 18XXX



BOLT CUTTERS

- Bolt cutters: COPXX



SNIPS

- PVC pipe: 330
- Multi-purpose aviation type: 303U
- Cutting snips, aviation type: 303X
- Angled cutting snips, aviation type: 303XS
- Cutting snips: 32XG



GUIDE TO SYMBOLS



Standard cut



Half flush cut with precise cutting edges



Flush cut for high-precision cuts

BLACK

Black oxide finish

RUBBER GRIP

Rubber Grip Handle

URREA manufactures tools in accordance with product technical standards.

A product technical standard is a document that specifies basic design and manufacturing guidelines in order to ensure adequate product performance.

The only organization to issue international standards is known as ISO (International Organization for Standardization), which develops the ISO 9000 series regarding quality systems, but it also issues product technical standards. In the United States, various associations issue or have issued standards, such as GSA/US FEDERAL, ASME, and ANSI, and in Europe, the DIN (DIN – Deutsches Institut für Normung e.V.), the German Institute for Standardization, groups together various organizations and commissions dedicated to promoting standardization and quality of products marketed in Germany.

The Federal standards for hand tools are no longer being updated and are being taken over by ASME, and the same thing is occurring with standards that used to be issued by ANSI.

Under the present system, the ASME's standards regarding hand tools are first reviewed by committees consisting of various tool manufacturers, users, and distributors and are then approved and issued by the ASME.

STANDARDS APPLICABLE TO PLIERS AND SNIPS



Deutsches Institut für Normung e.V.

DIN 5235	"Adjust Pliers"
DIN 5745	"Pliers and Nippers - Pliers"
DIN ISO 5746	"Pliers and Nippers engineering"
DIN 5749	"Pliers and Nippers diagonal cutting nippers"
DIN ISO 9243	"Pliers and Nippers carpenters pincers"



B107.16M	"Shears (metal cutting hand)"
B107.11M	"Pliers, diagonal cutting and Nippers end cutting"
B107.13	"Pliers- Long Nose, long reach"
B107.18M	"Pliers, (wire twister)"
B107.19	"Pliers, retaining ring"
B107.20M	"Pliers (lineman's iron worker's, gas, glass, and face)"
B107.23M	"Pliers, multiple position, adjustable"
B107.25M	"Pliers-performance test methods"
B107.27	"Pliers, multiple position (electrical connector)"



GGG-W-00649	"Wrench, Plier; Clamp, Plier; and Plier, Tubing Pinch-Off."
GGG-P-471	"Pliers; pliers slip joint"
GGG-N-350	"Nippers and Pincers"
GGG-P-480	"Pliers; Retaining Ring"
GGG-W-340	"Wire Twister Plier (With Side Cutter)"
GGG-S-291	"Shears, Metal Cutting; Bench and Hand"



ISO5742	"Pliers and nippers-Nomenclature, Trilingual edition"
ISO5743	"Pliers and nippers-General technical requirements"
ISO5744	"Pliers and nippers-Methods of test"
ISO5745	"Pliers and nippers-Pliers for gripping and manipulating-Dimensions And test values"
ISO5746	"Pliers and nippers-Engineer's and lineman's pliers Dimensions and test Values"
ISO5747	"Pliers and nippers-Lever assisted cutting pliers, end and diagonal cutting Nippers-Dimensions and test values"
ISO5748	"Pliers and nippers-End cutting nippers-Dimensions and test values"
ISO5749	"Pliers and nippers-End cutting nippers-Diagonal cutting nippers-Dimensions and test values"
ISO8976	"Pliers and nippers-Multiple slip joint pliers- Dimensions and test Values"
ISO8979	"Pliers and nippers-Methods of test"

SPECIFICATIONS FOR THE DESIGN AND MANUFACTURE OF SLIP JOINT PLIERS

One relevant aspect of compliance with standards regarding pliers is marking, because it is through this process that a tool can be identified by the user and backed by the manufacturer.

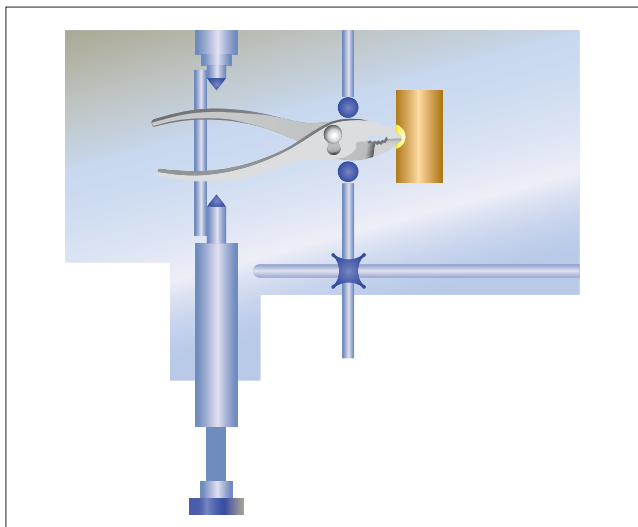
Marking, ASME B107.23, B107.13, B107.18M and B107.16M

Pliers must be marked on the front face, stating the manufacturer or distributor's name and the country of origin. This mark must be legible and permanent.

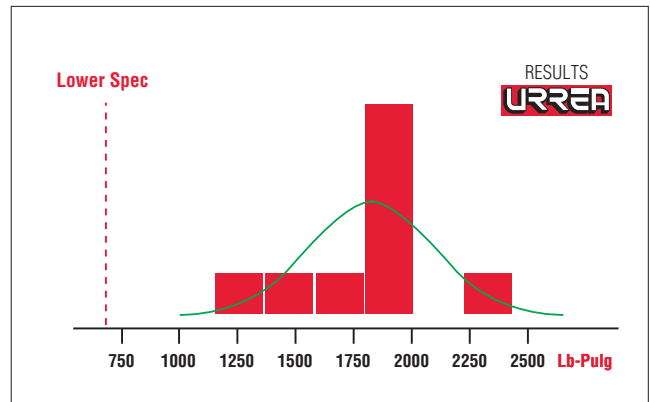
LOAD TEST PER ASME B107.2, B107.33M

The pliers are placed in a load testing device that applies pressure on the handles and jaws while the pliers are in a horizontal position with the head supported in a holder; the load must be applied to the upper handle at the point of maximum handle curvature. The load applied to the handles must be calculated by dividing the applied force into the distance between the center of the pliers' joint and the point at which the load is applied. An initial load of 5 lbs. (2.3 kgf) is applied, and there may be no deformation or cracking of the handles or jaws. The joint mechanism must also remain in good condition.

LOAD TESTING DEVICE



LOAD TESTING DEVICE

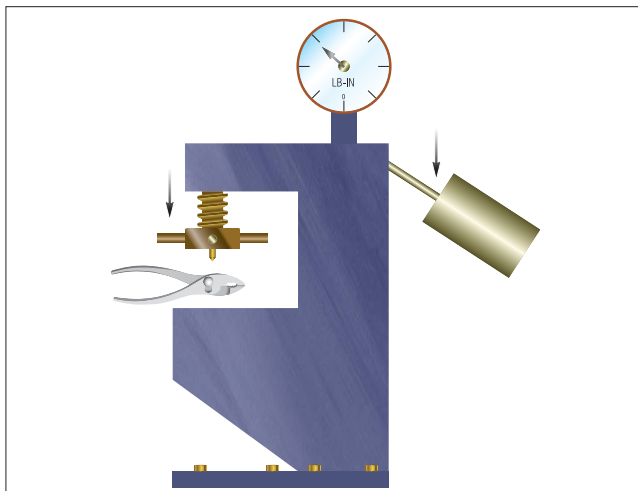


HARDNESS TEST PER ASME B107.25M

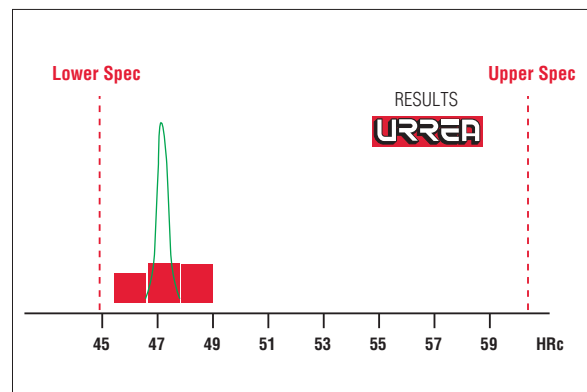
The jaw hardness in contact with or adjacent to the gripping surface where the wire cutting groove or protrusion is formed (1/16 in - 1.6 mm) must be 45-60 HRC.

Pliers are tested while assembled, using the Rockwell C hardness scale on the finished exposed surface. The test device must be adjusted and the clamps correctly set so that the area being tested is held firmly, preventing errors due to movement of the pliers.

PRESS FOR HARDNESS TEST

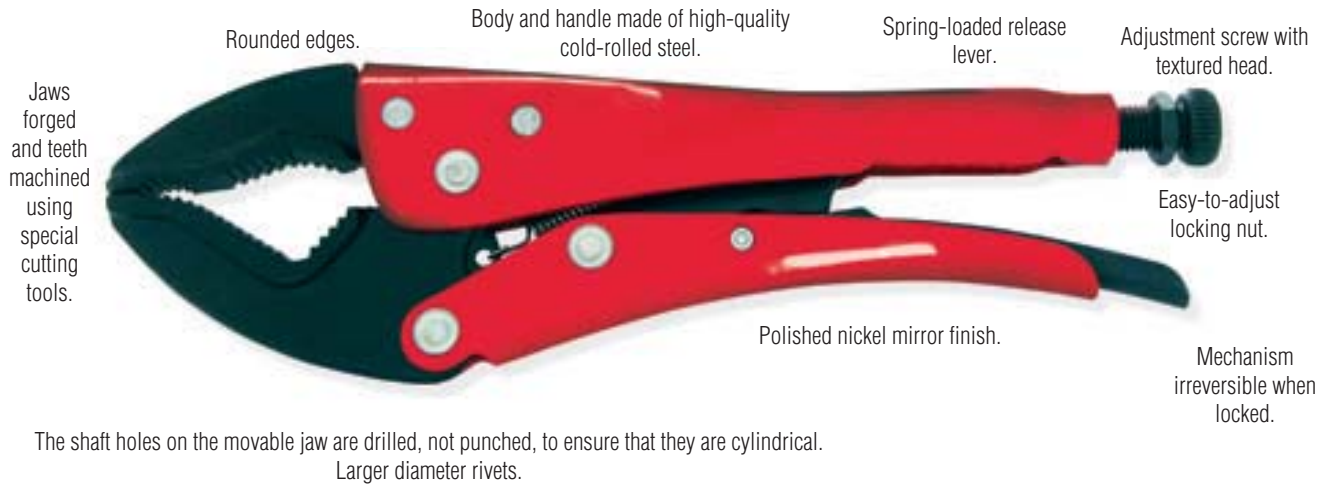


HARDNESS TEST FOR URREA PLIERS



URREA's line of locking pliers includes a variety of designs, with the following advantages:

- Exclusive locking design holds the jaws closed, so you have both hands free to work.
- Powerful teeth and jaws hold gripped parts firmly.
- Release system is activated by simply moving a lever.
- Some models have a wire cutting section.



URREA Heavy Duty locking pliers, now have a clamp, allowing a real free hands job.



UNIVERSAL LOCKING PLIERS

4XXXU



CODE	TOTAL LENGTH		JAW WIDTH		JAW ADJUSTMENT		Scales	
	in	mm	in	mm	in	mm	grs	lbs
4072U	7"	177	5/16"	9	1 5/8"	42	397	0.88
4102U	10"	224	5/8"	16	2 1/2"	63	528	1.16
4104U	12"	305	1/2"	13	2 1/2"	63	679	1.50



STANDARDS: FEDERAL GGG-W-649

Universal and versatile tool that combines our straight and curved jaw models.



Holds flat, round, and thick objects; ideal for pipe, plumbing, and maintenance work.



Code 4102U

Universal locking pliers.

Universal locking pliers for holding flat, round, and thick objects, ideal for pipe, plumbing, and general maintenance work. Larger lever than standard pliers for easy releasing.



Curve jaws of great opening, not only for round forms but also used for flat forms.



Widejaws with great capacity and reinforced teeth for heavy duty use.

9

4102UR

10" UNIVERSAL LOCKING PLIERS WITH CLAMP



TOTAL LENGTH		JAW WIDTH		JAW ADJUSTMENT		Scales	
in	mm	in	mm	in	mm	grs	lbs
10"	254	3/8"	10	2 1/2"	63	728	1.60



STANDARDS: FEDERAL GGG-W-649

For light work such as scraping, drilling, and welding.



Locking pliers with clamp that converts them into a practical and versatile portable bench vise that fits any type of workbench or table (up to 2" thick), leaving your hands free to work.

STRAIGHT JAW LOCKING PLIERS

4XX1

HEAVY DUTY STRAIGHT JAW LOCKING PLIERS



CODE	TOTAL LENGTH		JAW WIDTH		JAW ADJUSTMENT		Scales	
	in	mm	in	mm	in	mm	grs	lbs
4071	7"	177	1/2"	13	1 11/16"	42	369	0.81
4101	10"	254	5/8"	16	2 1/2"	63	528	1.16



STANDARDS: FEDERAL GGG-W-649



Wide high-capacity jaws, reinforced to various strengths for heavy-duty use.



293RG

INDUSTRIAL BIMATERIAL HANDLE STRAIGHT JAW LOCKING PLIERS



CODE	TOTAL LENGTH		JAW WIDTH		JAW ADJUSTMENT		Scales	
	in	mm	in	mm	in	mm	grs	lbs
293RG	10"	254	5/8"	16	1 9/16"	40	600	1.32



STANDARDS: FEDERAL GGG-W-649



29XR

INDUSTRIAL STRAIGHT JAW LOCKING PLIERS



CODE	TOTAL LENGTH		JAW WIDTH		JAW ADJUSTMENT		Scales	
	in	mm	in	mm	in	mm	grs	lbs
291R	7"	177.8	9/16"	14	1"	25.4	350	0.77
293R	9"	228	5/8"	16	1 1/2"	37	600	1.32



STANDARDS: FEDERAL GGG-W-649



Straight jaws ideal for flat, square, or hex surfaces
Exclusive pressure locking desing, keeps the jaws closed, leaving both hands free to work.
One hand release system to quickly unlock plier.

CURVED JAW LOCKING PLIERS WITH WIRE CUTTER

4XX3

HEAVY DUTY CURVED JAW LOCKING PLIERS WITH WIRE CUTTER



CODE	TOTAL LENGTH		JAW WIDTH		JAW ADJUSTMENT		Scales	
	in	mm	in	mm	in	mm	grs	lbs
4105	5"	127	1/4"	6.3	1 3/16"	30	185	0.41
4073	7"	177	5/16"	9	1 5/8"	42	360	0.79
4103	10"	254	3/8"	10	2 1/2"	63	586	1.29



STANDARDS: FEDERAL GGG-W-649



Curved jaws great aperture, specially designed for round surfaces, but also used in flat surfaces.



Multi-purpose locking pliers with cutting edges for thick wire.

292WRG

INDUSTRIAL BIMATERIAL HANDLE CURVED JAW LOCKING PLIERS WITH WIRE CUTTER



CODE	TOTAL LENGTH		JAW WIDTH		JAW ADJUSTMENT		Scales	
	in	mm	in	mm	in	mm	grs	lbs
292WRG	10"	254	5/8"	16	1 9/16"	40	600	1.32

STANDARDS: FEDERAL GGG-W-649



29XWR

INDUSTRIAL CURVED JAW LOCKING PLIERS WITH WIRE CUTTER



CODE	TOTAL LENGTH		JAW WIDTH		JAW ADJUSTMENT		Scales	
	in	mm	in	mm	in	mm	grs	lbs
293WR	5"	127	5/16"	16	1 3/8"	35	200	0.44
294WR	7"	177.8	11/32"	8	1 3/16"	30	375	0.83
292WR	10"	254	5/8"	8.7	1 9/16"	40	600	1.32



STANDARDS: FEDERAL GGG-W-649



Powerful curved jaws hold any style nut or bolt head.
Wire cutting section.
Exclusive pressure locking desing, keeps the jaws closed, leaving both hands free to work.
One hand release system to quickly unlock pliers.
Hardened teeth are designed to grip from any angle

CURVED JAW LOCKING PLIERS

4XX2

HEAVY DUTY CURVED JAW LOCKING PLIERS



CODE	TOTAL LENGTH		JAW WIDTH		JAW ADJUSTMENT		Scales	
	in	mm	in	mm	in	mm	grs	lbs
4072	7"	177	5/16"	9	1 5/8"	42	486	1.07
4102	10"	254	3/8"	10	2 1/2"	63	583	1.29



STANDARDS: FEDERAL GGG-W-649



Leaving your hands free to work.



Curved jaws open wide for gripping round shapes, but can also be used to hold flat objects such as flanges and steel plate.

Code 4102
Curved jaw locking pliers

For gripping flanges or couplings and turning them rapidly, nothing beats our locking pliers (leaving your hands free to work). Just adjust the locking pliers to the thickness of the parts to be gripped and squeeze the pliers' handles until they close tightly.

9

LONG-NOSE LOCKING PLIERS

409X

HEAVY DUTY LONG NOSE LOCKING PLIERS



CODE	TOTAL LENGTH		JAW WIDTH		JAW ADJUSTMENT		Scales	
	in	mm	in	mm	in	mm	grs	lbs
4091	7"	177	3/16"	4.5	2 3/16"	55	190	0.42
4099	9"	228	1/4"	6	2 3/4"	70	289	0.64



STANDARDS: FEDERAL GGG-W-649



Long thin jaws can reach into tight spaces to insert, remove, or hold pieces of electrical, engine, and assembly parts or components.

28XLN

INDUSTRIAL LONG NOSE LOCKING PLIERS



CODE	TOTAL LENGTH		JAW WIDTH		JAW ADJUSTMENT		Scales	
	in	mm	in	mm	in	mm	grs	lbs
286LN	6"	152.4	3/16"	4.5	2 7/8"	48	200	0.44
289LN	10"	254	7/32"	5.5	2 1/8"	53	400	0.88



STANDARDS: FEDERAL GGG-W-649



Long reach jaws for access in confined spaces; engines, electric cabinets etc.. Exclusive pressure locking desing, keeps the jaws closed, leaving both hands free to work. One hand release system to quickly unlock pliers.

WELDER'S LOCKING PLIERS

4129

HEAVY DUTY WELDER'S LOCKING PLIERS



TOTAL LENGTH		JAW WIDTH		JAW ADJUSTMENT		Scales	
in	mm	in	mm	in	mm	grs	lbs
9"	225	2 3/4"	69.8	2 3/8"	60	705	1.55



STANDARDS: FEDERAL GGG-W-649

Firm grip, good visibility for the user, and ample work space around the piece to be welded.



Useful for welding, assembly, and maintenance work.



Code 4129

Welder's locking pliers.

Ample work area and high visibility for the welder, firm grip on pieces to be welded so you can work safely with your hands free.

261R

INDUSTRIAL WELDER'S LOCKING PLIERS



TOTAL LENGTH		JAW WIDTH		JAW ADJUSTMENT		Scales	
in	mm	in	mm	in	mm	grs	lbs
9"	228	2 3/4"	69.8	1 3/4"	45	650	1.43



STANDARDS: FEDERAL GGG-W-649



Permits the clamping of adjacent joints and perfect visibility when welding. Ideal for assembly and welding work.

LOCKING PLIERS FOR SHEET METAL

4128



TOTAL LENGTH		JAW WIDTH		JAW ADJUSTMENT		Scales	
in	mm	in	mm	in	mm	grs	lbs
8"	203	3 1/8"	80	1 3/4"	45	414	0.91



STANDARDS: FEDERAL GGG-W-649



Safety, protection, and efficiency.



9

Effective handling and holding for working with galvanized sheet metal.

Code 4128
Locking pliers for sheet metal.

Ideal for working with galvanized and other types of sheet metal.

260R



TOTAL LENGTH		JAW WIDTH		JAW ADJUSTMENT		Scales	
in	mm	in	mm	in	mm	grs	lbs
8"	203	3"	76.2	1 1/4"	32	500	1.10



STANDARDS: FEDERAL GGG-W-649



For bending, forming and crimping jobs.

LOCKING C-CLAMP

41XX



CODE	TOTAL LENGTH		JAW WIDTH		JAW ADJUSTMENT		Scales	
	in	mm	in	mm	in	mm	grs	lbs
4116	6"	152	3/4"	18.2	2"	50	369	0.81
4111	11"	276	1 1/4"	32	3 15/16"	100	1048	2.31
4118	18"	457	1 1/4"	32	9 1/16"	230	1388	3.06
4124	24"	609	15 3/4"	400	14 9/16"	370	1690	3.73



STANDARDS: FEDERAL GGG-W-649

Holds items so you can work with hands free.

Quick and easy to operate.



Swivel tips for a perfect fit with the item(s) to be held, ideal for tightening delicate pieces in parallel.

266R



TOTAL LENGTH		JAW WIDTH		JAW ADJUSTMENT		Scales	
in	mm	in	mm	in	mm	grs	lbs
11"	279	1 1/8"	28	3"	76	850	1.87



STANDARDS: FEDERAL GGG-W-649

Swivel pads no damage parallel clamping even on tapered surfaces. Woodworking & general mechanics.



LOCKING CHAIN PLIERS

4120



LENGTH		MAX. ADJUST	JAW WIDTH		CHAIN WIDTH		Scales		
in	mm	in	mm	in	mm	in	mm	grs	lbs
9 1/2"	240	6 5/16"	160	3 3/4"	19	1/2"	12	603	1.33



STANDARDS: FEDERAL GGG-W-649

Easily wraps around and holds irregular shapes, even when they're difficult to reach.



For pipes, oil filters, and a variety of other gripping uses.

LOCKING FLOW OBSTRUCTION PLIERS

Stop the flow of liquids in hose maintenance or repair operations.

41XX



CODE	TOTAL LENGTH		JAW WIDTH		JAW ADJUSTMENT		Scales	
	in	mm	in	mm	in	mm	grs	lbs
4121	7"	177	1/4"	6	1"	25.4	375	0.83
4110	10"	254	1/4"	6	2 3/4"	70	395	0.87



STANDARDS: FEDERAL GGG-W-649

Truly powerful action, like a shutoff valve.



4121

For flexible hoses and sections of broken hose.



4110

CLAMP FOR LOCKING PLIERS

4130

INDUSTRIAL
HEAVY DUTY
USO PESADO
INDUSTRIAL

TOTAL LENGTH		JAW WIDTH		JAW ADJUSTMENT			
in	mm	in	mm	in	mm	grs	lbs
4"	110	3/8"	23	2"	50	200	0.44



4130

Clamp for locking pliers that converts them into a practical and versatile portable bench vise that fits any type of workbench or table (up to 2" thick), leaving your hands free to work.

ADJUSTABLE-JOINT PLIERS

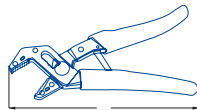
SELF ADJUSTABLE PLIERS

Self adjustable pliers are for one-hand operation. The jaws adjust as quickly as your hand can close them, making any job quicker and easier. High-strength design; the jaws stay parallel in any position for a better grip with less effort. These pliers can be used on motors, machinery parts, plumbing, and wherever anything needs to be held.

234P

DESCRIPTION	LENGTH			
Curved jaw pliers	in	mm	grs	lbs
	10"	228.6	700	1.54

STANDARDS: ASME / ANSI B107.23M
FEDERAL GGG-P-471
ISO 5742 / ISO 8976



9

quality starts with



URREA Professional Tools received the ISO 9000 certification in November 1998 and updated to ISO 9001: 2000 certification in February 2004. This certification represents our constant commitment to maintain our operating and product manufacturing standards.



Visit our website: www.urrea.com



SUPER DUTY TONGUE & GROOVE PIPE PLIERS

26XG



CODE	NUMBER OF ADJUSTMENTS	LENGTH		A		Scales	
		in	mm	in	mm	grs	lbs
265G	4	9 1/2"	240	1 1/8"	28.5	500	1.10
266G	6	14"	350	2"	51.0	1050	2.31

STANDARDS: ASME / ANSI B107.23M
FEDERAL GGG-P-471
ISO 5742 / ISO 8976

Tongue & groove joint with sharp relief so that rows engage securely.



Lock nut for safer handling.

Multiple-groove design allows jaws to remain parallel when open.

TECHNICAL DATA FOR PIPE PLIERS				
STANDARD ASME/ANSI B107.23M				
CODE	SIZE	JAW AND HANDLE HARDNESS °RC	TEST LOAD LB-IN	MAXIMUM PERMANENT DEFORMATION, INCHES
265G	12"	45-60	N/A	N/A
266G	14"	45-60	850	0.03



Code 266G

URREA Plus tongue & groove pipe pliers

For plumbing work, where many different types and diameters of pipes are used daily, all you have to do is adjust the pliers to fit the diameter of the pipe to be handled.

TONGUE & GROOVE PIPE PLIERS

27X

CODE	LENGTH		A		B		C		D		Scales	
	in	mm	in	mm	in	mm	in	mm	in	mm	grs	lbs
274	7"	175	1 3/32"	36.5	1 3/32"	39.6	19/64"	7.5	1 25/32"	45.0	160	0.35
270	10"	240	1 3/16"	51.5	19/16"	27.7	5/16"	7.9	2 5/32"	55.0	350	0.77
275	12"	300	1 9/16"	58.7	2"	50.8	11/32"	8.7	2 19/32"	66.0	500	1.10

STANDARDS: ASME / ANSI B107.23M
FEDERAL GGG-P-471
ISO 5742 / ISO 8976

Reinforcing edge minimizes breakage risk.

SAFE-T-STOP feature keeps handles from touching each other, protecting the user's hands.

Tongue & groove profile designed, forged, and machined for a perfect grip with no risk of slipping off.

Jaws remain parallel in any position for better grip.

Right-angle teeth grip in all directions, permitting an automatic fit with the pipe just by applying pressure to the top handle.



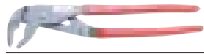
Comfortable plastic-coated handles.

Gripping system that eliminates the risk of breaking nuts and bolts.

POWER GRIP PLIERS

26XG

CODE	LENGTH		MAXIMUM OPENING		A		B		C		Scales		TORSION RESISTANCE ASME/ANSI B107.23M lb-in
	in	mm	in	mm	in	mm	in	mm	in	mm	grs	lbs	
262G	6 5/8"	168.2	13/16"	20.6	1 3/32"	36.5	1 3/32"	27.7	19/64"	7.5	141	0.55	250
263G	9 11/16"	246.0	1 3/8"	34.9	1 3/16"	51.5	19/16"	39.6	5/16"	7.9	340	1.65	750
264G	12 1/16"	306.3	2 1/4"	57.1	1 9/16"	58.7	2"	50.8	11/32"	8.7	542	1.87	850



RUBBER GRIP

STANDARDS: ASME / ANSI B107.23M
FEDERAL GGG-P-471
ISO 5742 / ISO 8976

Comfortable plastic-coated handles.



7-POSITION TONGUE & GROOVE PLIERS

246G

DESCRIPTION	LENGTH		JAW LENGTH		MAXIMUM DIAMETER OF PIPE THAT CAN BE HELD		Scales		TORSION RESISTANCE ASME/ANSI B107.23M lb-in.
	in	mm	in	mm	in	mm	grs	lbs	
7 Position tongue & groove pliers 10" with Rubber Grip	10"	254.0	1 3/4"	44	2"	59.0	480	1.05	1000



RUBBER GRIP

STANDARDS: ASME / ANSI B107.23M
FEDERAL GGG-P-471
ISO 5742 / ISO 8976

Soft jaws to avoid damage on pieces to hold.

Special screw for permanent assembly.



5-POSITION TONGUE & GROOVE PLIERS

240G

DESCRIPTION	LENGTH		JAW LENGTH C		MAXIMUM DIAMETER OF PIPE THAT CAN BE HELD		Scales		TORSION RESISTANCE ASME/ANSI B107.23M lb-in.
	in	mm	in	mm	in	mm	grs	lbs	
5 Position tongue & groove pliers 10" with Rubber Grip	10"	254.0	1 9/16"	39.6	1 1/2"	38.0	263	0.57	1000



RUBBER GRIP

STANDARDS: ASME / ANSI B107.23M
FEDERAL GGG-P-471
ISO 5742 / ISO 8976

Precision-machined grooves to prevent slipping.

Angled teeth for a superior grip.

Special screw for permanent assembly.



Thin heads for access to narrow spaces.

Hot-forged and heat-treated with high-quality alloyed steel.

Multiple grooves keep jaws parallel to each other for any opening.

URREA slip joint pliers have a movable joining bolt that lets you adjust the opening between the jaws for improved grip and better leverage. The jaw teeth are precision machined and heat-treated for maximum strength and durability. A tough nickel-chromium coating protects them against corrosion and other types of wear.

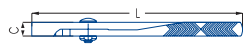
SLIP JOINT PLIERS

20XG

HEAVY DUTY SLIP JOINT PLIERS WITH RUBBER GRIP



CODE	LENGTH		C		B		A		TORSION RESISTANCE		
	in	mm	in	mm	in	mm	in	mm	grs	lbs	
202G	6"	152.4	7/16	11	1 3/16"	30	1 3/8"	35.0	202	0.445	675
203G	8"	203.2	7/16	11	1 9/32"	33	1 7/16"	37.0	252	0.555	1000



ASME/ANSI B107.23M
lb-in

Thin nose design.

Heavy Duty.



STANDARDS: ASME / ANSI B107.23M
FEDERAL GGG-P-471
ISO 5742



2XXG

HEAVY DUTY SLIP JOINT PLIERS WITH RUBBER GRIP



CODE	LENGTH		C		B		A		TORSION RESISTANCE		
	in	mm	in	mm	in	mm	in	mm	grs	lbs	
276G	6 3/8"	161	13/32"	10.31	1 1/8"	28.57	1 11/16"	42.86	163	0.35	675
278G	8"	203	13/32"	10.31	1 3/16"	30.16	1 29/32"	48.41	222	0.48	1000
280G	10"	254	33/64"	12.70	1 7/16"	36.51	2 11/32"	59.53	394	0.86	1450



ASME/ANSI B107.23M
lb-in

Double Rubber Grip with anti-slip top layer for greater comfort and better grip.

Handles provide the leverage you need for tough jobs.



STANDARDS: ASME / ANSI B107.23M
FEDERAL GGG-P-471
ISO 5742



Teeth machined with special cutting tools.
High-quality forged steel.
Tip area reinforced by Independent heat treatment.



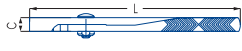
Finished with anti-rust plastic coating.

2XX

INDUSTRIAL SLIP JOINT PLIERS



CODE	LENGTH		C		B		A		TORSION RESISTANCE		
	in	mm	in	mm	in	mm	in	mm	grs	lbs	
276	6 3/8"	161	13/32"	10.31	1 1/8"	28.57	1 11/16"	42.86	163	0.35	675
278	8"	203	13/32"	10.31	1 3/16"	30.16	1 29/32"	48.41	222	0.48	1000
280	10"	254	33/64"	12.70	1 7/16"	36.51	2 11/32"	59.53	394	0.86	1450



ASME/ANSI B107.23M
lb-in

Polished chrome mirror-finish.

Snip-type wire cutter.



Double jaw position for greater versatility.

URREA electrician's pliers are designed with reinforced joints and comfortable handles for wiring work and for electrical equipment installation and maintenance. Cutting edges tempered by electrical induction for maximum durability. Bodies hot-forged. Surfaces precision-machined for maximum performance.

These pliers are classified by type of cut:



Standard cut



Half flush cut with precise cutting edges



Flush cut for high-precision cuts

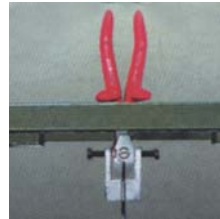
1000-VOLT PLIERS

URREA VDE pliers (Verband Deutscher Elektrotechniker, the German Electricians' Association) are manufactured according to DIN (Deutsches Institute für Normung) standard EN 60900 and undergo rigid individual testing, piece-by-piece inspection during the production process. URREA VDE pliers offer maximum protection for low-voltage work at 1000 volts AC (alternating current) or 1500 volts DC (direct current).

All of our 1000-volt pliers undergo this type of test, so we can make sure there is an ample safety margin.



The coating on these pliers is exposed for 2 hours to an environment cooled to -25°C and struck continuously. It may not show any breakage.



To verify that the plastic coating has adhered firmly to the steel pliers handle, the tool is fatigue tested at a temperature of 70°C for one week, after which an attraction force of 500 Newtons is applied for 3 minutes.



In this test, the pliers' coating is exposed to an open flame at a distance of 12 cm for 20 seconds. The material is supposed to be non-flammable to eliminate danger from overheating.



After the pliers are submerged in water for 24 hours, they are subjected to 10,000 volts of alternating current, distributed throughout the body of the pliers. The pliers' reaction to this is measured for three minutes, and they are inspected to confirm that they have not been damaged in any way.



UNIVERSAL 1000-VOLT PLIERS

181HD

SUPER DUTY UNIVERSAL 1000-VOLT PLIERS



CODE	DESCRIPTION	LENGTH		C	B	A	Scales		Standard cut			
		in	mm				grs	lbs				
181HD	Universal 1000-volt	9 1/2"	241	35/64"	14	1 5/16"	33	17/32"	39	560	1.23	



STANDARDS: DIN-ISO 5746

Lateral cut edges.

Induction templated.



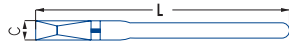
Protected handles to avoid fire or conductivity.

18X

HEAVY DUTY UNIVERSAL 1000-VOLT PLIERS



CODE	DESCRIPTION	LENGTH		C		B		A		grs	lbs
		in	mm	in	mm	in	mm	in	mm		
180	Universal pliers, side cutting	6 5/16"	160	3/8"	10	13/16"	20.5	7/8"	22	239	0.53
181	Universal pliers, side cutting, heavy duty	7 7/8"	200	9/16"	14	1"	26	1 5/16"	34	442	0.97
189	Universal pliers, side cutting, semi-long nose	6 11/16"	170	3/8"	9.5	11/16"	17.5	1 5/8"	42	174	0.38



Standard cut



STANDARDS: DIN-ISO 5746

Each pair of pliers is tested with 10,000 volts of AC current underwater to check its insulation



189

Precision cutting edges.



180 / 181

Cadmium-free polyvinyl chloride handles to eliminate any danger of fire or conductivity.

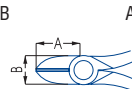
1000-VOLT DIAGONAL CUT PLIERS

183HD

SUPER DUTY DIAGONAL CUT 1000-VOLT PLIERS



CODE	DESCRIPTION	LENGTH		C		B		A		grs	lbs
		in	mm	in	mm	in	mm	in	mm		
183HD	Diagonal cut 1000-volt	8"	203	1 1/8"	29	9/16"	14	1 3/8"	35	450	0.99



STANDARDS: DIN-ISO 5746



Protected handles to avoid fire or conductivity.

18X

DIAGONAL CUT HEAVY DUTY 1000-VOLT PLIERS

CODE	DESCRIPTION	LENGTH		C		B		A		Scales	
		in	mm	in	mm	in	mm	in	mm	grs	lbs
183	Diagonal cut pliers, heavy duty	7 7/8"	200	9/16"	14	1"	26	1 5/16"	34	442	0.97
184	Diagonal cut pliers, heavy duty	9 13/16"	250	9/16"	15	1 3/8"	35	1 9/16"	39	698	1.54
182	Diagonal cut pliers	6 5/16"	160	3/8"	10	13/16"	20.5	7/8"	22	239	0.53



STANDARDS: DIN-ISO 5746



Standard cut

Cadmium-free polyvinyl chloride handles to eliminate any danger of fire or conductivity.



Code 184

With perfect scissor-type cutting action and safe insulation, our 1000-volt pliers offer maximum protection for low-voltage AC and DC work.



Precision cutting edges.

182



183 / 184

9

1000-VOLT CABLE CUT PLIERS

188HD

SUPER DUTY CABLE CUT 1000-VOLT PLIERS



CODE	DESCRIPTION	LENGTH		C		B		A		Scales	
		in	mm	in	mm	in	mm	in	mm	grs	lbs
188HD	Cable cut 1000-volt	9 1/8"	241	33/64"	13	1 5/8"	41	1 7/16"	37	440	0.970



STANDARDS: DIN-ISO 5746

Precision cut edges.



Protected handles to avoid fire or conductivity.

1000-VOLT LONG-NOSE PLIERS

187HD
1000-VOLT SUPER DUTY LONG-NOSE PLIER



CODE	DESCRIPTION	LENGTH				C		B		A		Scales	
		in	mm	in	mm	in	mm	in	mm	grs	lbs		
187HD	Long nose 1000-volt plier	8"	203	9/16"	14	1"	25.4	2 3/8"	60	230	0.50		

STANDARDS: DIN-ISO 5746



Standard cut



Protected handles to avoid fire or conductivity.

187
201
1000-VOLT HEAVY DUTY LONG-NOSE PLIERS



CODE	DESCRIPTION	LENGTH				C		B		A		Scales	
		in	mm	in	mm	in	mm	in	mm	grs	lbs		
187	Semi-round nose cutting pliers	7 7/8"	200	3/8"	9	11/16"	17	2 7/8"	73	220	0.48		
201	Long round nose pliers	6 5/16"	160	5/16"	8.5	9/16"	13.5	1 7/8"	47	125	0.27		

STANDARDS: DIN 5235
FEDERAL GGG-W-649



Standard cut



Cadmium-free polyvinyl chloride handles to eliminate any danger of fire or conductivity.



Induction-tempered.

Precision cutting edges.

187



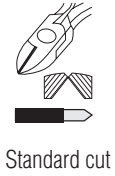
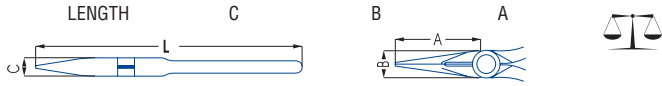
Each pair of pliers is tested with 10,000 volts of AC current underwater to check its insulation.

201

COMPOUND LEVER PLIERS

22XXGCL

CODE	DESCRIPTION	LENGTH		C		B		A		Scales	
		in	mm	in	mm	in	mm	in	mm	grs	lbs
207GCL	Compound lever Cutting plier	7 1/2	190.5	7/16"	11.11	1"	25.4	1"	25.4	238.5	0.525
258GCL	Compound lever Electrician plier	8 1/4	209.5	7/16"	11.11	1"	25.4	1 3/4"	44.4	262.5	0.578
2292GCL	Compound lever long nose plier	9	228.6	7/16"	11.11	1"	25.4	2 7/16"	61.9	267.0	0.588



STANDARDS: ASME B107.11 / B107.20 / B107.13
FEDERAL GGG-N-350A / GGG-P-471E



207GCL



258GCL

Double force lever.
Precise sharpened for professional cuts.
One third lighter than the conventional.
Ergonomic handles, bigger and more comfortable.
Efficient design that offers more power and less effort.



2292GCL



UNIVERSAL PLIERS

25XG

UNIVERSAL PLIERS, SIDE CUTTING, CURVED JAWS

CODE	LENGTH		C	B	A		Scales			
	in	mm			in	mm	grs	lbs		
257G	7 3/4"	196.8	1/2"	12.7	13/64"	30.5	17/32"	13.4	263	0.58
258G	8 5/8"	219.0	1/2"	12.7	1 1/64"	25.7	9/16"	14.2	408	0.90



Standard cut



RUBBER GRIP

STANDARDS: ASME/ANSI B107.20M
FEDERAL GGG-P-471
ISO 5746



ELECTRICIAN'S PLIERS, SIDE CUTTING, HIGH LEVERAGE

2XXGHL

CODE	DESCRIPTION	LENGTH				C	B	A		Scales	
		in	mm	in	mm			in	mm	grs	lbs
259GHL	Electrician's Pliers, Side Cutting, High Leverage, Terminal Crimping	9 1/2"	241.3	41/64"	16.2	15/16"	33.3	53/64"	21.4	500	1.10
268GHL	Electrician's Pliers, Side Cutting, High Leverage	8 1/2"	215.9	41/64"	16.2	1 7/32"	30.9	3/4"	19.0	400	0.88
269GHL	Electrician's Pliers, Side Cutting, High Leverage	9 1/8"	231.7	41/64"	16.2	1 19/64"	32.9	27/32"	21.8	490	1.08



RUBBER GRIP

STANDARDS: ASME/ANSI B107.20M
FEDERAL GGG-P-471
ISO 5746



268GHL / 269GHL



259GHL

TECHNICAL DATA FOR ELECTRICIAN'S PLIERS									
CODE	SIZE	Jaw hardness	Edge hardness	Load test lb/in		Maximum permanent deformation per inch		Test cable diameter per inch	
		°RC	°RC	ASME/ANSI	FEDERAL	ASME/ANSI	FEDERAL	ASME/ANSI	FEDERAL
268GHL	8 1/2"	35-50	55-65	1023	1020	0.060"	0.060"	0.091"	0.091"
269GHL	9 1/8"	35-50	55-65	1024	1020	0.060"	0.060"	0.091"	0.091"
259GHL	9 1/8"	35-50	55-65	1025	1020	0.060"	0.060"	0.091"	0.091"



Standard cut



Code 259GHL
Electrician's pliers, high-leverage, side cutting.

For working with various wire gauges where the electrician requires maximum safety. With perfect scissor-type cutting action and dielectric insulation, our pliers offer maximum protection for working on electrical connections and electrical maintenance, plus a terminal-cutting feature to complete these magnificent pliers.

quality starts with U

URREA tools are designed and manufactured to meet or exceed the most demanding industry standards, such as the SAE, (Society of Automotive Engineers), ASME/ANSI (American Society of Mechanical Engineers/American National Standards Institute), ISO (International Standardization Organization), GSA USA Federal (General Services Administration USA Federal Government), and NOM (Norma Oficial Mexicana - Official Mexican Standard).



Visit our website: www.urrea.com

SIDE-CUTTING ELECTRICIAN'S PLIERS

26XG

CODE	LENGTH		C		B		A		Scales	
	in	mm	in	mm	in	mm	in	mm	grs	lbs
267G	9 9/16"	230.1	41/64"	16.2	1 3/16"	30.1	41/64"	16.2	276	0.61
268G	8 3/4"	222.2	21/32"	16.6	1 17/32"	30.9	3/4"	19.0	421	0.93
269G	9 3/8"	238.1	41/64"	16.2	1 5/16"	33.3	51/64"	20.6	435	0.96

STANDARDS: ASME/ANSI B107.20M
FEDERAL GGG-P-471
ISO 5746



TECHNICAL DATA FOR ELECTRICIAN'S PLIERS									
CODE	SIZE	Jaw hardness	Edge hardness	Load test lb/in		Maximum permanent deformation per inch		Test cable diameter per inch	
		°RC	°RC	ASME/ANSI	FEDERAL	ASME/ANSI	FEDERAL	ASME/ANSI	FEDERAL
267G	9 9/16"	35-50	55-65	1020	1020	0.060"	0.060"	0.091"	0.091"
268G	8 3/4"	35-50	55-65	1021	1020	0.060"	0.060"	0.091"	0.091"
269G	9 3/8"	35-50	55-65	1022	1020	0.060"	0.060"	0.091"	0.091"



Standard cut

DIAGONAL CUTTING PLIERS, WITH TERMINAL CRIMPER

208G

HEAVY DUTY DIAGONAL CUTTING PLIERS, WITH TERMINAL CRIMPER

CODE	DESCRIPTION	LENGTH		C		B		A		Scales	
		in	mm	in	mm	in	mm	in	mm	grs	lbs
208G	Diagonal cutting pliers, high leverage	9 1/2"	241.3	15/64"	5.95	1 5/16"	33	1 5/32"	29.4	425	0.93

STANDARDS: FEDERAL GGG-W-649
DIN 5749



Standard cut



Thin head.

High-quality steel.

Precision grip and cut.



207GWS

DIAGONAL CUTTING PLIERS, HIGH LEVERAGE, WITH 12 AND 14 AWG WIRE CUTTERS

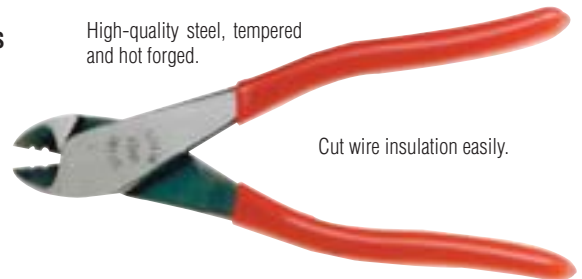
LENGTH		C		B		A		Scales	
in	mm	in	mm	in	mm	in	mm	grs	lbs
8 1/8"	206.3	15/32"	11.9	1 13/16"	30.1	27/32"	21.8	270	0.60

STANDARDS: FEDERAL GGG-W-649
DIN 5749

High-quality steel, tempered and hot forged.

Cut wire insulation easily.

Precision piano wire cutting.



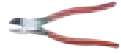
Standard cut

TECHNICAL DATA FOR CUTTING PLIERS									
CODE	SIZE	Jaw hardness	Edge hardness	Load test lb/in		Maximum permanent deformation per inch		Test cable diameter per inch	
		°RC	°RC	ASME/ANSI	FEDERAL	ASME/ANSI	FEDERAL	ASME/ANSI	FEDERAL
207GWS	8 1/8"	35-50	55-65	775	775	N/A	0.040"	0.0778 / 0.082	0.080"

**207G
207GHL**

DIAGONAL CUTTING PLIERS, HIGH LEVERAGE

CODE	DESCRIPTION	LENGTH		C		B		A		Scales	
		in	mm	in	mm	in	mm	in	mm	grs	lbs
207G	Diagonal Cutting Pliers	7 7/8"	200.0	1/2"	12.7	31/32"	25.0	15/64"	27.3	213	0.47
207GHL	Diagonal Cutting Pliers, High Leverage	8 1/8"	206.3	15/32"	11.9	1 13/16"	30.1	51/64"	20.6	270	0.60



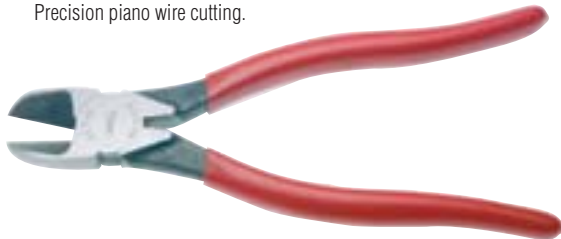
RUBBER GRIP

STANDARDS: FEDERAL GGG-W-649
DIN 5749



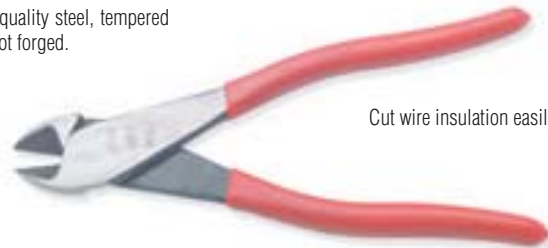
Standard cut

Precision piano wire cutting.



207G

High-quality steel, tempered and hot forged.



207GHL

Cut wire insulation easily.

DIAGONAL CUTTING PLIERS

20XGR

DIAGONAL CUTTING PLIERS WITH SPRING

CODE	LENGTH		C		B		A		Scales	
	in	mm	in	mm	in	mm	in	mm	grs	lbs
204GR	4 3/8"	111.1	17/64"	6.7	7/16"	11.1	9/16"	11.1	77.1	0.17
205GR	5 9/16"	141.2	7/16"	11.1	43/64"	17.0	55/64"	21.82	112	0.25
206GR	6 1/8"	155.5	7/16"	11.1	13/16"	21.0	13/16"	21.0	130	0.29



RUBBER GRIP

STANDARDS: FEDERAL GGG-W-649
DIN 5745



TECHNICAL DATA FOR CUTTING PLIERS

CODE	SIZE	Jaw hardness	Edge hardness	Load test lb/in		Maximum permanent deformation per inch		Test cable diameter per inch	
		°RC ASME/ANSI	°RC ASME/ANSI	ASME/ANSI	FEDERAL	ASME/ANSI	FEDERAL	ASME/ANSI	FEDERAL
204GR	4 3/8"	35-50	55-65	500	265	N/A	0.040"	0.060" / 0.064"	0.062"
205GR	5 9/16"	35-50	55-65	700	600	N/A	0.030"	0.078" / 0.082	0.080"
206GR	6 1/8"	35-50	55-65	750	600	N/A	0.030"	0.078" / 0.082	0.080"



Half flush cut with precise cutting edges

20XG

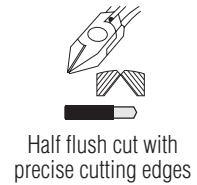
DIAGONAL CUTTING PLIERS

CODE	LENGTH		C		B		A		Scales	
	in	mm	in	mm	in	mm	in	mm	grs	lbs
204G	4 5/16"	109.5	17/64"	6.7	7/16"	11.1	9/16"	14.2	68	0.15
205G	5 9/16"	141.2	43/64"	11.1	13/64"	17.0	55/64"	22.2	81.6	0.18
206G	6 1/8"	155.5	7/16"	11.1	13/16"	21.0	13/16"	21.0	130	0.29

STANDARDS: FEDERAL GGG-W-649
DIN 5745



TECHNICAL DATA FOR CUTTING PLIERS									
CODE	SIZE	Jaw hardness	Edge hardness	Load test lb/in		Maximum permanent deformation per inch		Test cable diameter per inch	
		°RC ASME/ANSI	°RC ASME/ANSI	ASME/ANSI	FEDERAL	ASME/ANSI	FEDERAL	ASME/ANSI	FEDERAL
204G	4 5/16"	35-50	55-65	265	500	0.060"	N/A	0.045 / 0.049"	0.062"
205G	5 9/16"	35-50	55-65	700	600	0.060"	N/A	0.078 / 0.082"	0.062"
206G	6 1/8"	35-50	55-65	750	600	0.060"	N/A	0.078 / 0.082"	0.080"



ELECTRICIAN'S PLIERS, END CUTTING, HIGH LEVERAGE

273GHL

LENGTH		C		B		A		Scales	
in	mm	in	mm	in	mm	in	mm	grs	lbs
8 1/2"	216	1 3/16"	30.16	1 13/16"	46.1	7/8"	22.2	490	1.08

Standard cut



9

LONG-NOSE PLIERS, SIDE CUTTING, HIGH LEVERAGE

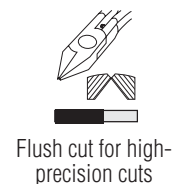
2292G

DESCRIPTION	C		LENGTH		B		A		Scales	
	in	mm	in	mm	in	mm	in	mm	grs	lbs
Long-nose pliers	1/2"	12.7	8 9/16"	217.4	1 7/64"	28.1	41/64"	16.2	271	0.60

STANDARDS: FEDERAL GGG-P-471
DIN 5749



TECHNICAL DATA FOR NEEDLE-NOSE PLIERS									
CODE	SIZE	Jaw hardness	Edge hardness	Load test lb/in		Maximum permanent deformation per inch		Test cable diameter per inch	
		°RC ASME/ANSI	°RC ASME/ANSI	ASME/ANSI	FEDERAL	ASME/ANSI	FEDERAL	ASME/ANSI	FEDERAL
2292G	8 9/16"	35-50	55-65	500	1020	N/A	0.060"	0.082"	0.091"



SIDE-CUTTING LONG-NOSE PLIERS

226GXX

CODE	DESCRIPTION	LENGTH		C		B		A		Scales	
		in	mm	in	mm	in	mm	in	mm	grs	lbs
226GR	Side-Cutting Long-Nose Pliers with Spring and Rubber Grip	6 3/4"	171.4	25/64"	9.9	49/64"	19.4	3/4"	19.0	131	0.29
226G	Side-Cutting Long-Nose Pliers	6 3/4"	171.4	3/8"	9.5	47/64"	18.6	1/2"	12.7	131	0.29
226GS	Side-Cutting Round-Nose Pliers	6 1/2"	165.1	25/64"	9.9	41/64"	16.2	1 1/2"	38.1	139	0.31



RUBBER GRIP

STANDARDS: FEDERAL GGG-W-649
DIN 5745



226GR



226GS



226G

TECHNICAL DATA FOR NEEDLE-NOSE PLIERS									
CODE	SIZE	Jaw hardness	Edge hardness	Load test lb/in		Maximum permanent deformation per inch		Test cable diameter per inch	
		°RC ASME/ANSI	°RC ASME/ANSI	ASME/ANSI	FEDERAL	ASME/ANSI	FEDERAL	ASME/ANSI	FEDERAL
226GR	6 3/4"	35-50	55-65	500	600	N/A	0.030"	0.062"	0.080"
226G	6 3/4"	35-50	55-65	500	600	N/A	0.030"	0.062"	0.080"
226GS	6 1/2"	35-50	55-65	500	600	N/A	0.030"	0.062"	0.080"



Standard cut

LONG-NOSE PLIERS, NON-CUTTING

**22XG
282GX**

CODE	LENGTH		C		B		A		Scales
	in	mm	in	mm	in	mm	in	mm	
282GR	4 7/8"	123.8	17/64"	6.7	7/16"	11.1	1 3/32"	27.7	0.14
282G	4 7/8"	123.8	17/64"	6.7	7/16"	11.1	1 3/32"	27.3	0.14
227G	6 5/8"	168.2	3/8"	9.5	45/64"	17.8	1 13/16"	46.0	0.40
220G	6 5/8"	163.5	3/8"	9.5	23/32"	18.2	1 55/64"	47.2	0.30



RUBBER GRIP

STANDARDS: FEDERAL GGG-P-471
ISO 5745



282GR



282G



227G / 220G

TECHNICAL DATA FOR NEEDLE-NOSE PLIERS									
CODE	SIZE	Jaw hardness	Edge hardness	Load test lb/in		Maximum permanent deformation per inch		Test cable diameter per inch	
		°RC ASME/ANSI	°RC ASME/ANSI	ASME/ANSI	FEDERAL	ASME/ANSI	FEDERAL	ASME/ANSI	FEDERAL
282GR	4 7/8"	35-50	55-65	300	450	N/A	0.030"	0.062"	0.080"
282G	4 7/8"	35-50	55-65	300	450	N/A	0.030"	0.062"	0.080"
227G	6 5/8"	35-50	55-65	500	600	N/A	0.030"	0.062"	0.080"
220G	6 5/8"	35-50	55-65	500	600	N/A	0.030"	0.062"	0.080"

EXTRA-LONG-NOSE MECHANIC'S PLIERS

2XXG

CODE	DESCRIPTION	LENGTH		C		B		A		Scales	
		in	mm	in	mm	in	mm	in	mm	grs	lbs
241G	Extra-long-nose pliers, 45° bent tip	9 5/8"	245	3/8"	9.5	11 1/16"	17	2 11/16"	68	245	0.54
239G	Long-nose pliers, straight tip	11	280	3/8"	9.5	5/8"	16	3"	76	245	0.54



RUBBER GRIP

Available with straight tip or 45° bent tip



241G

Toothed jaws for working in hard-to-reach areas.



239G

Semi-rounded handles for reaching deeper.

ELECTRONICS PLIERS

These pliers are used for working on electronic assemblies, instrumentation, radio, television, and ignition systems.

9



Electro-Static Dissipative.



Vinyl-encased handles.

Tough handle cushioning, ergonomic and soft to the touch.

DIAGONAL CUTTING ELECTRONICS PLIERS WITH SPRING

204P

INDUSTRIAL
SUPER DUTY
EXTRA PESADO
INDUSTRIAL

LENGTH		C		B		A		WIRE GAUGE	Scales	
in	mm	in	mm	in	mm	in	mm	BWG	grs	lbs
4 1/2"	114.3	5/16"	7.9	1/2"	12.7	35/64"	13.8	N/A	68	0.15



BIMATERIAL

STANDARD: ASME B107.22M

Half flush cut with precise cutting edges



Electrostatic dissipative

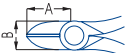
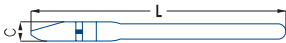
FLUSH DIAGONAL CUTTING PLIERS, TAPERED HEAD WITH SPRING

2814XP

HEAVY DUTY DIAGONAL CUTTING PLIERS, TAPERED HEAD WITH SPRING



CODE	LENGTH		C		B		A		WIRE GAUGE BWG	Scales	
	in	mm	in	mm	in	mm	in	mm		grs	lbs
28140P	4 1/4"	107.9	1/4"	6.3	27/64"	10.7	1/2"	12.7	21	68	0.15
28140	4 1/4"	107.9	1/4"	6.3	27/64"	10.7	1/2"	12.7	21	68	0.15



Flush cut for high-precision cuts



STANDARD: ASME B107.22M

Electrostatic dissipative

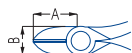
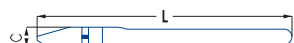


TECHNICAL DATA FOR CUTTING PLIERS									
CODE	SIZE	Jaw hardness	Edge hardness	Load test lb/in		Maximum permanent deformation per inch		Test cable diameter per inch	
		°RC ASME/ANSI	°RC ASME/ANSI	ASME/ANSI	FEDERAL	ASME/ANSI	FEDERAL	ASME/ANSI	FEDERAL
28140P	4 1/4"	35-50	55-65	265	265	N/A	0.040"	0.045" / 0.049"	0.062"
28140	4 1/4"	35-50	55-65	265	265	N/A	0.040"	0.078" / 0.082"	0.062"

2814X

DIAGONAL CUTTING PLIERS, TAPERED HEAD WITH SPRING

CODE	LENGTH		C		B		A		GAUGE CABLE BWG	Scales	
	in	mm	in	mm	in	mm	in	mm		grs	lbs
28141P	5 1/8"	130.1	13/32"	10.3	5/8"	15.8	45/64"	17.8	21	75	0.17
28141	5 1/8"	130.1	13/32"	10.3	5/8"	15.8	45/64"	17.8	21	75	0.17



TECHNICAL DATA FOR CUTTING PLIERS									
CODE	SIZE	Jaw hardness	Edge hardness	Load test lb/in		Maximum permanent deformation per inch		Test cable diameter per inch	
		°RC ASME/ANSI	°RC ASME/ANSI	ASME/ANSI	FEDERAL	ASME/ANSI	FEDERAL	ASME/ANSI	FEDERAL
28141P	4 5/8"	35-50	55-65	265	265	N/A	0.040"	0.078" / 0.082"	0.062"
28141	4 5/8"	35-50	55-65	500	500	N/A	0.030"	0.078" / 0.082"	0.062"

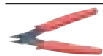


Flush cut for high-precision cuts

FLUSH DIAGONAL CUTTING PLIERS, TAPERED HEAD WITH SPRING, DIE-STAMPED

170X

CODE	DESCRIPTION	LENGTH		Scales	
		in	mm	grs	lbs
170M	22° flush cutting	5 1/4"	133	67	0.15
170	Flush cutting	5 1/4"	133	60	0.13



Flush cut for high-precision cuts

Heat-treated jaws for extended use and maximum precision.

Ergonomic handle with anti-slip coating.

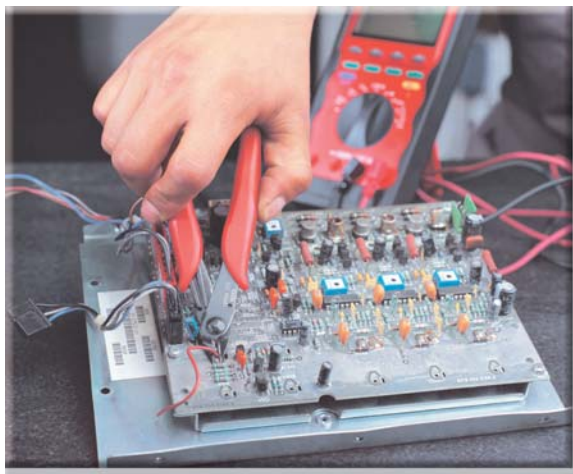


170M

For use on printed circuits and control instruments.



170



Code 170M

Flush-cutting electronics pliers, tapered head with spring.

Flush-cutting electronics pliers have sharpened scissor-type cutting edges and miniature tips that let you work efficiently in situations where several wires are bundled or twisted together.



FLAT-TIP SMOOTH-JAW PLIERS WITH SPRING

28580P

SUPER DUTY FLAT-TIP SMOOTH-JAW PLIERS WITH SPRING



LENGTH		C		B		A		GAUGE CABLE BWG	Scales	
in	mm	in	mm	in	mm	in	mm		grs	lbs
4 3/4"	120.6	17/64"	6.7	25/64"	9.9	27/32"	21.8	N/A	60	0.13



STANDARD: ASME B107.22M

Electrostatic dissipative



TECHNICAL DATA FOR NEEDLE-NOSE PLIERS

CODE	SIZE	Jaw hardness	Edge hardness	Load test lb/in		Maximum permanent deformation per inch		Test cable diameter per inch	
		°RC ASME/ANSI	°RC ASME/ANSI	ASME/ANSI	FEDERAL	ASME/ANSI	FEDERAL	ASME/ANSI	FEDERAL
28580P	4 3/4"	35-50	55-65	300	450	N/A	0.030"	0.062"	0.080"

28580
FLAT-TIP SMOOTH-JAW PLIERS WITH SPRING

DESCRIPTION	A		B		C		LENGTH		GAUGE CABLE BWG	Scales	
	in	mm	in	mm	in	mm	in	mm		grs	lbs
Flat-tip smooth-jaw pliers with spring	27/32"	21.8	25/64"	9.9	17/64"	6.7	4 3/4"	146	N/A	62	0.14



TECHNICAL DATA FOR CUTTING PLIERS									
CODE	SIZE	Jaw hardness	Edge hardness	Load test lb/in		Maximum permanent deformation per inch		Test cable diameter per inch	
		°RC ASME/ANSI	°RC ASME/ANSI	ASME/ANSI	FEDERAL	ASME/ANSI	FEDERAL	ASME/ANSI	FEDERAL
28580	4 7/8"	35-50	55-65	300	450	N/A	0.030"	0.062"	0.080"

ROUND-TIP SMOOTH-JAW PLIERS WITH SPRING

28560P
SUPER DUTY ROUND-TIP SMOOTH-JAW PLIERS WITH SPRING



DESCRIPTION	LENGTH		C		B		A		GAUGE CABLE BWG	Scales	
	in	mm	in	mm	in	mm	in	mm		grs	lbs
Round-Tip Pliers	4 21/32"	118.2	9/32"	7.1	3/8"	9.5	27/32"	21.8	N/A	60	0.13



STANDARD: ASME B107.22M

Electrostatic dissipative



TECHNICAL DATA FOR ROUND-TIP PLIERS									
CODE	SIZE	Jaw hardness	Edge hardness	Load test lb/in		Maximum permanent deformation per inch		Test cable diameter per inch	
		°RC ASME/ANSI	°RC ASME/ANSI	ASME/ANSI	FEDERAL	ASME/ANSI	FEDERAL	ASME/ANSI	FEDERAL
28560P	4 21/32"	35-50	55-65	300	450	N/A	0.030"	0.062"	0.080"

28560
ROUND-TIP SMOOTH-JAW PLIERS WITH SPRING

DESCRIPTION	LENGTH		C		B		A		GAUGE CABLE BWG	Scales	
	in	mm	in	mm	in	mm	in	mm		grs	lbs
Round-tip pliers	4 21/32"	118.2	9/32"	7.1	3/8"	9.5	27/32"	21.8	N/A	60	0.13



TECHNICAL DATA FOR ROUND-TIP PLIERS									
CODE	SIZE	Jaw hardness	Edge hardness	Load test lb/in		Maximum permanent deformation per inch		Test cable diameter per inch	
		°RC ASME/ANSI	°RC ASME/ANSI	ASME/ANSI	FEDERAL	ASME/ANSI	FEDERAL	ASME/ANSI	FEDERAL
28560	4"	35-50	55-65	300	100	N/A	0.030"	0.062"	0.080"

STRAIGHT NEEDLE-TIP SMOOTH-JAW PLIERS WITH SPRING

28641P

SUPER DUTY STRAIGHT NEEDLE-TIP SMOOTH-JAW PLIERS WITH SPRING



DESCRIPTION	LENGTH		C		B		A		GAUGE CABLE BWG	Scales	
	in	mm	in	mm	in	mm	in	mm		grs	lbs
Straight Needle-Tip Pliers	6 3/64"	153.5	19/64"	7.5	5/8"	15.8	1 3/4"	44.4	N/A	70	0.15



STANDARD: ASME B107.22M

Electrostatic disipative



TECHNICAL DATA FOR NEEDLE-NOSE PLIERS

CODE	SIZE	Jaw hardness	Edge hardness	Load test lb/in		Maximum permanent deformation per inch		Test cable diameter per inch	
		^o RC ASME/ANSI	^o RC ASME/ANSI	ASME/ANSI	FEDERAL	ASME/ANSI	FEDERAL	ASME/ANSI	FEDERAL
28641P	6 3/4"	35-50	55-65	300	600	N/A	0.030"	0.062"	0.080"

28641

STRAIGHT NEEDLE-TIP SMOOTH-JAW PLIERS WITH SPRING

DESCRIPTION	LENGTH		C		B		A		GAUGE CABLE BWG	Scales	
	in	mm	in	mm	in	mm	in	mm		grs	lbs
Straight Needle-Tip Pliers	5 5/8"	153.5	19/64"	7.5	5/8"	15.8	1 3/4"	44.4	N/A	70	0.15



TECHNICAL DATA FOR NEEDLE-NOSE PLIERS

CODE	SIZE	Jaw hardness	Edge hardness	Load test lb/in		Maximum permanent deformation per inch		Test cable diameter per inch	
		^o RC ASME/ANSI	^o RC ASME/ANSI	ASME/ANSI	FEDERAL	ASME/ANSI	FEDERAL	ASME/ANSI	FEDERAL
28641	5 5/8"	35-50	55-65	300	600	N/A	0.030"	0.062"	0.062"

BENT NEEDLE-TIP SMOOTH-JAW PLIERS WITH SPRING

28520P

SUPER DUTY BENT NEEDLE-TIP SMOOTH-JAW PLIERS WITH SPRING



DESCRIPTION	LENGTH		C		B		A		GAUGE CABLE BWG	Scales	
	in	mm	in	mm	in	mm	in	mm		grs	lbs
Bent Needle-Tip Pliers	5 7/8"	149.2	9/32"	7.1	9/16"	14.2	1 3/4"	41.7	N/A	80	0.18



STANDARD: ASME B107.22M

Electrostatic disipative

Round tips

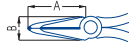


Tips bent 45°

28520

BENT NEEDLE-TIP SMOOTH-JAW PLIERS WITH SPRING

DESCRIPTION	LENGTH		C		B		A		GAUGE CABLE BWG	Scales	
	in	mm	in	mm	in	mm	in	mm		grs	lbs
Bent Needle-Tip Pliers	5 7/8"	149.2	9/32"	7.1	9/16"	14.2	1 3/4"	41.7	N/A	80	0.18



WIRE STRIPPING PLIERS WITH TERMINAL CRIMPER AND SCREW CUTTER

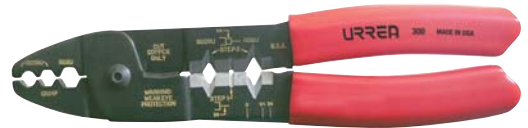
300

COAX CABLE TOOL

HANDLE COLOR	WIRE GAUGE		GAUGE LENGTH	LENGTH		Scales	
	RG59U	RG6U	in	in	mm	grs	lbs
Red	RG59U	RG6U	1/4" and 3/8"	8 1/2"	216.0	213.5	0.470



Cuts, peels and compress coax cable in one tool.
Long curved blade for easy cutting, 25% less effort.
Grades for internal and external peeling.
Instructions printed on tool.



301

DUAL CABLE PLIER

HANDLE COLOR	CABLE GAUGE	WIRE GAUGE	SCREW GAUGE THAT CAN BE CUT	LENGTH		Scales	
		awg	in	in	mm	grs	lbs
Red	10 / 2	10	6-32	8"	203.2	177.7	0.39
	12 / 2	12	8-32				



Cuts and removes external wrap of cable.
Peels wire of 12AWG and 10AWG.
Cuts copper wire.
Grades for internal and external peeling.
Instructions printed on tool.



298P



HANDLE COLOR	WIRE GAUGE		SCREW GAUGE THAT CAN BE CUT		LENGTH		Scales	
	awg	mm	in	in	mm	grs	lbs	
Red	10, 12, 14, 16, 18, 20, 22	2.6, 2.0, 1.6, 1.2, 1.0, 0.8, 0.65	4-40, 10-24, 10-32, 8-32, 6-32, 5-40	8 1/4"	209.5	203	0.45	



Code 298P

Wire stripping pliers with terminal crimper and screw cutter.

Ideal for working with electronic and electrical wires, clearly marked on the body to show the wire gauges they can strip and the screw diameters they can cut.

WIRE STRIPPING PLIERS WITH TERMINAL CRIMPER AND SCREW CUTTER

9

299

HANDLE COLOR	WIRE GAUGE		SCREW GAUGE THAT CAN BE CUT		LENGTH		Scales	
	awg	mm	in	in	mm	grs	lbs	
Red	10, 12, 14, 16, 18, 20, 22	2.6, 2.0, 1.6, 1.2, 1.0, 0.8, 0.65	4-40, 10-24, 10-32, 8-32, 6-32, 5-40	8 3/4"	222.3	221	0.49	



With terminal crimper and screw cutter.

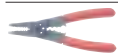


Cutting blade tip.

For solid and twisted wires.

298

HANDLE COLOR	WIRE GAUGE		SCREW GAUGE THAT CAN BE CUT		LENGTH		Scales	
	awg	mm	in	in	mm	grs	lbs	
Red	10, 12, 14, 16, 18, 20, 22	2.6, 2.0, 1.6, 1.2, 1.0, 0.8, 0.65	4-40, 10-24, 10-32, 8-32, 6-32, 5-40	8 1/4"	209.5	203	0.45	



Longer cutting blade makes the job easier.



Central round pivot makes the tool last longer and store more easily in tool belts.

The screw-cutter openings are closer to the central pivot, so less effort is needed to make the cut.

WIRE STRIPPING PLIERS

29X

CODE	HANDLE COLOR	WIRE GAUGE		LENGTH		Scales	
		awg	mm	in	mm	grs	lbs
297*	Red	10, 12, 14, 16, 18, 20	2.6, 1.6, 1.2, 1.0, 0.8	6 3/4"	171.5	67	0.15
291P*	Red	10, 12, 14, 16, 18, 20	2.6, 1.6, 1.2, 1.0, 0.8	7 1/4"	184.15	203	0.45
291	Yellow	10, 12, 14, 16, 18, 20	2.6, 1.6, 1.2, 1.0, 0.8	6"	153.1	106.5	0.23
292	Yellow	16, 18, 20, 22, 24, 26	1.3, 1.0, 0.80, 0.65, 0.50, 0.40	6 3/4"	171.5	59	0.13
293	Yellow	22, 24, 26, 28, 30	0.65, 0.50, 0.40, 0.32, 0.25	6 3/4"	171.5	62	0.14



* WITH LOCK



Ergonomic anti-slip handles.

297

Longer handles for more torque.

Toothed tip for working with small nuts and pulling wire.



291P



291 / 292 / 293

With cutting blade.

SMALL UNIVERSAL WIRE STRIPPING PLIERS

296

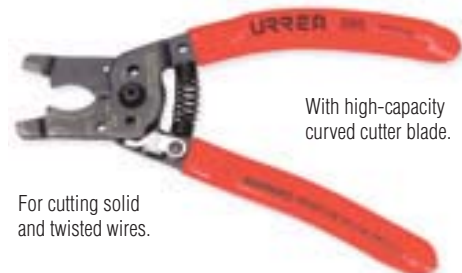
HANDLE COLOR	WIRE GAUGE		LENGTH		Scales	
	awg	mm	in	mm	grs	lbs
Red	10-20	2.6-0.8	4 29/32"	155.5	88	0.19



4-IN-1 WIRE CUTTER PLIERS

295

HANDLE COLOR	WIRE GAUGE		LENGTH		Scales	
	awg	mm	in	mm	grs	lbs
Red	16-26	1.3-0.5	7 3/4"	196	200	0.44



With high-capacity curved cutter blade.

For cutting solid and twisted wires.

WIRE CUTTER COPPER SCISSORS

289G

CODE	DESCRIPTION	LENGTH				C		B		A		Scales	
		in	mm	in	mm	in	mm	in	mm	grs	lbs		
289G	Wire cutter copper pliers	9"	229	19/32"	15	1 1/2"	38	1/8"	29	304.8	0.67		

STANDARDS: DIN-ISO 5746



Parrot shape cut tips.



288G

CODE	COLOR HANDLE	LENGTH				Scales			
		in	mm	in	mm	grs	lbs		
288G	Red	1 3/4"	44"	1 5/8"	41	7 1/2"	190.5	254	0.56

RUBBER GRIP



Cuts 8mm cable and 10mm wire.

9

HEAVY DUTY FLUSH CUTTING PLIER FOR PLASTIC AND NON FERROUS MATERIALS

21XG

CODE	LENGTH				Scales	
	in	mm	in	mm	grs	lbs
211G	3/4"	19	21/32"	17	95	0.209
212G	15/16"	24	25/32"	20	141	0.310
213G	1 1/32"	26	15/16"	24	211	0.465

RUBBER GRIP



INDUSTRIAL
HEAVY DUTY
USO PESADO
INDUSTRIAL



Flush cut for high-precision cuts

Spring system for more comfort and security.
Ergonomic handles with rubber grip.



Comfort and safety through spring loaded action.

These pliers are used to install or remove basic, inverted, or heavy-duty retaining rings. URREA offers four basic types of retaining ring pliers: Forged, Convertible, Fixed-Joint, and Replaceable Tips.

Can be used with internal or external rings. The forging process makes the tips stronger, for longer life and precision. They won't deform or become misaligned even after extended use.

Hot-forged using high-quality alloyed steel and heat-treated. Can be converted into internal or external pliers by changing the position of the screw that holds the two faces of the pliers together, or by using a 1/4-turn mechanism.



These pliers cover a wide range of retaining ring sizes, since their tips are interchangeable. For small rings, the tips have a hexagonal shape; for larger rings, the tips have a special design that gives stability and support to the ring when it is installed or removed.

Each pair of pliers is designed to work on internal or external rings, depending on the model. The tip angle is designed for optimum performance.

Coated with a layer of black oxide and bathed in oil to prevent corrosion.

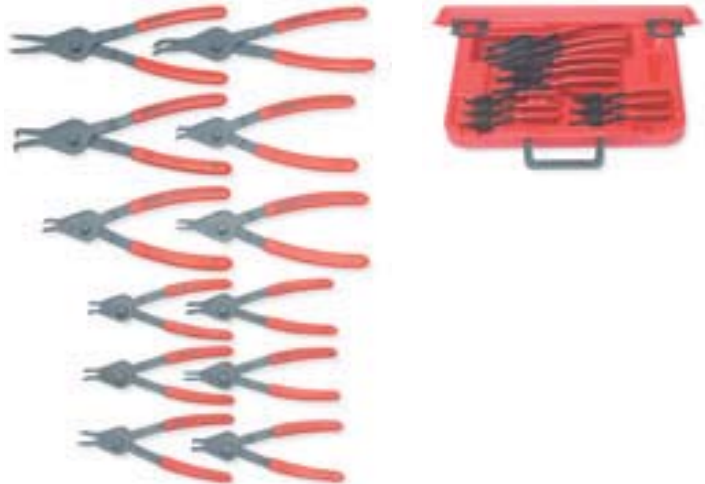
SET OF RETAINING RING PLIERS

360B

12 PIECES

SET OF 12 CONVERTIBLE RETAINING RING PLIERS

CODE	DESCRIPTION
370	Convertible Pliers, tip diameter 0.96 mm (0.038") 45°
371	Convertible Pliers, tip diameter 0.96 mm (0.038") 90°
399	Convertible Pliers, tip diameter 0.96 mm (0.038") Straight
372	Convertible Pliers, tip diameter 1.19 mm (0.047") Straight
373	Convertible Pliers, tip diameter 1.19 mm (0.047") 45°
374	Convertible Pliers, tip diameter 1.19 mm (0.047") 90°
375	Convertible Pliers, tip diameter 1.77 mm (0.070") 45°
376	Convertible Pliers, tip diameter 1.77 mm (0.070") 90°
385	Convertible Pliers, tip diameter 1.77 mm (0.070") Straight
377	Convertible Pliers, tip diameter 2.28 mm (0.09") Straight
378	Convertible Pliers, tip diameter 2.28 mm (0.09") 45°
379	Convertible Pliers, tip diameter 2.28 mm (0.09") 90°



STANDARDS: ASME/ANSI B107.19
FEDERAL GGG-P-480

370L

6 PIECES

SUPER DUTY 6-PIECE RETAINING RING SET



CODE	TYPE	TIP DIAMETER		TIP ANGLE	LENGTH		WEIGHT	
		in	mm		in	mm	grs	lbs
371P	Conv.	0.040	1.01	90°	5 3/4"	146	65	0.14
372P	Conv.	0.050	1.27	Straight	5 3/4"	146	65	0.14
374P	Conv.	0.050	1.27	90°	5 3/4"	146	65	0.14
399P	Conv.	0.040	1.01	Straight	5 3/4"	146	65	0.14
376P	Conv.	0.068	1.72	90°	7 1/2"	191	120	0.26
385P	Conv.	0.068	1.72	Straight	7 1/2"	191	120	0.26



STANDARDS: ASME/ANSI B107.19
FEDERAL GGG-P-480



360A

6 PIECES

SET OF 6 CONVERTIBLE RETAINING RING PLIERS

CODE	DESCRIPTION
399	Convertible Pliers, tip diameter 0.96 mm (0.038") 0°
371	Convertible Pliers, tip diameter 0.96 mm (0.038") 90°
372	Convertible Pliers, tip diameter 1.19 mm (0.047") 0°
374	Convertible Pliers, tip diameter 1.19 mm (0.047") 90°
385	Convertible Pliers, tip diameter 1.77 mm (0.070") 0°
376	Convertible Pliers, tip diameter 1.77 mm (0.070") 90°



STANDARDS: ASME/ANSI B107.19
FEDERAL GGG-P-480



SET OF RETAINING RING PLIERS AND TIPS

361

18 PIECES

SET OF 18 LARGE INTERCHANGEABLE TIPS AND PLIERS

DESCRIPTION	NO. PIECES
Straight tips, diameter 0.108"	2
15° tips, diameter 0.108"	2
45° tips, diameter 0.108"	2
90° tips, diameter 0.108"	2
Straight tips, diameter 0.120"	2
15° tips, diameter 0.120"	2
45° tips, diameter 0.120"	2
90° tips, diameter 0.120"	2
Pliers Internal	1
Pliers External	1



STANDARDS: ASME/ANSI B107.19
FEDERAL GGG-P-480



9

361RKX

REPLACEMENT TIPS FOR RING PLIERS 361

CODE	FOR MODEL	PIECES	Scales	
			grs	lbs
361RKA	361	8	27	0.059
361RKB	361	8	27	0.059



361RKA

PIECES	CONTENTS
2	0.108" (2.7mm) diameter Straight Black Tip
2	0.108" (2.7mm) diameter 15° Straight Black Tip
2	0.108" (2.7mm) diameter 45° Straight Black Tip
2	0.108" (2.7mm) diameter 90° Straight Black Tip



361RKB

PIECES	CONTENTS
2	0.120" (3.0mm) diameter Straight Chrome Tip
2	0.120" (3.0mm) 15° diameter Straight Chrome Tip
2	0.120" (3.0mm) 45° diameter Straight Chrome Tip
2	0.120" (3.0mm) 90° diameter Straight Chrome Tip

380

18 PIECES

SET OF 18 SMALL INTERCHANGEABLE TIPS AND PLIERS

DESCRIPTION	NO. PIECES
90° Tips diameter 0.8 mm (0.035")	4
45° Tips diameter 1.1 mm (0.045")	4
Straight Tips diameter 1.1 mm (0.045")	4
Straight Tips diameter 1.5 mm (0.060")	4
Pliers Internal	1
Pliers External	1



STANDARDS: ASME/ANSI B107.19
FEDERAL GGG-P-480



380RK

REPLACEMENT TIPS FOR RING PLIERS 380

CODE	FOR MODEL	PIECES	Scales	
			grs	lbs
380RK	380	16	20	0.044



PIECES	380RK CONTENTS
3	0.035" (0.8mm) diameter 90° Black Tip
6	0.045" (0.8mm) diameter 90° Chrome Tip
2	0.035" (0.8mm) diameter 45° Black Tip
5	0.045" (1.1mm) diameter 45° Chrome Tip
8	0.060" (1.5mm) diameter 45° Copper Tip
1	0.035" (0.8mm) diameter Straight Black Tip
4	0.045" (1.1mm) diameter Straight Chrome Tip
7	0.060" (1.5mm) diameter Straight Copper Tip

381

10 PIECES

RETAINING RING PLIERS WITH INTERCHANGEABLE TIPS

DESCRIPTION	NO. PIECES
0.038" (0.9mm) Yellow tips 0°	2
0.038" (0.9mm) Yellow tips 90°	2
0.047" (1.1mm) Green tips 0°	2
0.047" (1.1mm) Green tips 90°	2
0.070" (1.7mm) Copper tips 0°	2



Easy internal-external change
Black finish which makes it resistant to corrosion
Spring action that makes the job faster and easier
Hexagonal guide which allows to firmly hold the tips
Includes ergonomic handle



381RK

REPLACEMENT TIPS FOR RING PLIERS 380

CODE	FOR MODEL	PIECES	Scales	
			grs	lbs
381RK	381	10	10	0.022



PIECES	381RK CONTENTS
2	0.038" (0.9mm) diameter Straight Yellow Tip
2	0.038" (0.9mm) diameter 90° Yellow Tip
2	0.040" (1.1mm) diameter Straight Green Tip
2	0.040" (1.1mm) diameter 90° Green Tip
2	0.070" (1.7mm) diameter Straight Copper Tip
1	Hexagonal key

RETAINING RING PLIERS

URREA

382

10 PIECES

RETAINING RING PLIERS WITH INTERCHANGEABLE TIPS

DESCRIPTION	NO. PIECES
0.024" (0,6mm) Red tips 0°	2
0.038" (0,9mm) Yellow tips 0°	2
0.038" (0,9mm) Yellow tips 90°	2
0.047" (1,1mm) Green tips 0°	2
0.047" (1,1mm) Green tips 90°	2



Easy internal-external change
Black finish which makes it resistant to corrosion
Spring action that makes the job faster and easier
Hexagonal guide which allows to firmly hold the tips
Includes ergonomic handle



382RK

REPLACEMENT TIPS FOR RING PLIERS 380

CODE	FOR MODEL	PIECES	Scales	
			grs	lbs
382RK	382	10	10	0.022



PIECES	CONTENTS
2	0.024" (0.6mm) diameter Straight Copper Tip
2	0.038" (0.9mm) diameter Straight Yellow Tip
2	0.038" (0.9mm) diameter 90° Yellow Tip
2	0.047" (1.1mm) diameter Straight Green Tip
2	0.047" (1.1mm) diameter 90° Green Tip
1	Hexagonal key

LARGE HIGH-POWER RETAINING RING PLIERS WITH LOCK

The ratchet mechanism reduces operator fatigue, because the ring is compressed or pulled gradually and set to the desired size. Very practical for controlling large and small rings.

36X

LARGE HIGH-POWER RETAINING RING PLIERS WITH LOCK

CODE	TYPE	TIP DIAMETER		TIP ANGLE	MAXIMUM OPENING		LENGTH		Scales	
		in	mm		in	mm	in	mm	grs	lbs
365 ⁽¹⁾	External	0.115	2.92	Straight	3 1/8"	79.8	16 1/2"	419	825	1.82
364 ⁽²⁾	Internal	0.115	2.92	Straight	N/A	N/A	16 1/2"	419	806	1.78



STANDARDS: ASME/ANSI B107.19
FEDERAL GGG-P-480

(1) High-power pliers for opening retaining rings
(2) High-power pliers for closing retaining rings



365



364

9

FLAT-TIP RETAINING RING PLIERS

250P

INDUSTRIAL
SUPER DUTY
EXTRA PESADO
INDUSTRIAL

LENGTH		MAXIMUM OPENING		Scales	
in	mm	in	mm	grs	lbs
10.5"	267	1.6"	267	267	0.59



STANDARDS: ASME/ANSI B107.19
FEDERAL GGG-P-480

The ratchet mechanism reduces operator fatigue, because the ring is compressed or pulled gradually and set to the desired size. Very practical for controlling large and small rings.



FLAT-TIP RETAINING RING PLIERS

25XG

FLAT-TIP RETAINING RING PLIERS

CODE	LENGTH		MAXIMUM OPENING		Scales	
	in	mm	in	grs	lbs	
251G	10"	254	1.4"	250	0.55	
250G	8 3/4"	222	1.2"	200	0.44	

STANDARDS: ASME/ANSI B107.19
FEDERAL GGG-P-480



Parallel-jaw retaining ring pliers.



251G

Designed with external jaws and a cushion-grip system for more power.



250G

FORGED RETAINING RING PLIERS

36XP

FORGED PLIERS FOR "OPENING" EXTERNAL RETAINING RINGS, 0.070" TIP



CODE	TYPE	TIP DIAMETER		TIP ANGLE	MAXIMUM OPENING		LENGTH		Scales	
		in	mm		in	mm	in	mm	grs	lbs
368P	External	0.070	1.8	Straight	1.5"	38.1	7 1/8"	180	145	0.32
369P	External	0.070	1.8	90°	1.2"	29.4	6 11/16"	170	145	0.32

STANDARDS: ASME/ANSI B107.19
FEDERAL GGG-P-480



368P



369P

Code 369P

Pliers for opening external retaining rings.

Their 90° tips make it easier to remove rings that are trapped in machinery components. The ring is easily extracted by inserting the tips of the pliers into the holes in the ring, then opening and removing it.

36XP

FORGED PLIERS FOR "CLOSING" INTERNAL RETAINING RINGS, 0.070" TIP

CODE	TYPE	TIP DIAMETER		TIP ANGLE	MAXIMUM OPENING		LENGTH		Scales	
		in	mm		in	mm	in	mm	grs	lbs
366P	Internal	0.070	1.8	Straight	1.8"	45.7	7 1/8"	180	145	0.32
367P	Internal	0.070	1.8	90°	1.3"	33.3	6 11/16"	170	145	0.32

STANDARDS: ASME/ANSI B107.19
FEDERAL GGG-P-480



366P



367P

RETAINING RING PLIERS

39XX

PLIERS FOR "OPENING" EXTERNAL RETAINING RINGS, 0.038" TIP

CODE	TYPE		LENGTH		WEIGHT	
			in	mm	grs	lbs
391	External	Straight	5 9/32"	134.1	60	0.13
3914	External	45°	5 13/64"	132.1	60	0.13
397	External	90°	5 1/8"	130.1	67	0.15



STANDARDS: ASME/ANSI B107.19
FEDERAL GGG-P-480



391



3914



397

3XX 39XX

PLIERS FOR "CLOSING" INTERNAL RETAINING RINGS, 0.038" TIP

CODE	TYPE		LENGTH		WEIGHT	
			in	mm	grs	lbs
389	Internal	Straight	5 9/32"	134.1	60	0.13
398	Internal	45°	5 13/64"	132.1	60	0.13
3989	Internal	90°	5 1/8"	130.1	60	0.13



STANDARDS: ASME/ANSI B107.19
FEDERAL GGG-P-480



389



398



3989

9

CONVERTIBLE RETAINING RING PLIERS

3XXL

CONVERTIBLE RETAINING RING PLIERS, 0° ANGLE



CODE	TYPE	TIP DIAMETER		TIP ANGLE	MAXIMUM OPENING		LENGTH		WEIGHT	
		in	mm		in	mm	in	mm	grs	lbs
		399L	Conv.		0.038	0.97	0°	7/8"	22	6
372L	Conv.	0.047	1.19	0°	7/8"	22	6	152	65	0.14
385L	Conv.	0.070	1.78	0°	1 3/16"	30	7 1/4"	184	120	0.26



STANDARDS: ASME/ANSI B107.19
FEDERAL GGG-P-480



Quick-change design with no screw.

For any type of internal or external ring.

3XXL

CONVERTIBLE RETAINING RING PLIERS, 90° ANGLE

CODE	TYPE	TIP DIAMETER		TIP ANGLE	MAXIMUM OPENING		LENGTH		Scales	
		in	mm		in	mm	in	mm	grs	lbs
371L	Conv.	0.038	0.97	90°	3/4"	19	5 3/4"	146	65	0.14
374L	Conv.	0.047	1.19	90°	3/4"	19	5 3/4"	146	65	0.14
376L	Conv.	0.070	1.78	90°	1"	25	7"	178	120	0.26



STANDARDS: ASME/ANSI B107.19
FEDERAL GGG-P-480

Tips precision-machined and induction-tempered.



With return spring to reduce fatigue and make the work easier.

Plastic handle with air pocket for greater comfort.

CONVERTIBLE RETAINING RING PLIERS

3XX

CONVERTIBLE RETAINING RING PLIERS, 0° ANGLE

CODE	TYPE	TIP DIAMETER		TIP ANGLE	MAXIMUM OPENING		LENGTH		Scales	
		in	mm		in	mm	in	mm	grs	lbs
399	Conv.	0.038	0.97	0°	13/16"	21	5 7/8"	149	63	0.14
372	Conv.	0.047	1.19	0°	3/4"	19	5 7/8"	149	90	0.20
385	Conv.	0.070	1.78	0°	1"	25	7 1/2"	191	146	0.32
377	Conv.	0.090	2.29	0°	1 9/16"	40	9 1/4"	235	264	0.58



STANDARDS: ASME/ANSI B107.19
FEDERAL GGG-P-480



37X

CONVERTIBLE RETAINING RING PLIERS, 45° ANGLE

CODE	TYPE	TIP DIAMETER		TIP ANGLE	MAXIMUM OPENING		LENGTH		Scales	
		in	mm		in	mm	in	mm	grs	lbs
370	Conv.	0.038	0.97	45°	13/16"	21	5 3/4"	146	90	0.20
373	Conv.	0.047	1.19	45°	3/4"	19	5 3/4"	146	90	0.20
375	Conv.	0.070	1.78	45°	1"	25	7 3/8"	187	146	0.32
378	Conv.	0.090	2.29	45°	1 1/2"	38	9"	229	264	0.58



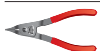
STANDARDS: ASME/ANSI B107.19
FEDERAL GGG-P-480



37X

CONVERTIBLE RETAINING RING PLIERS, 90° ANGLE

CODE	TYPE	TIP DIAMETER		TIP ANGLE	MAXIMUM OPENING		LENGTH		Scales	
		in	mm		in	mm	in	mm	grs	lbs
371	Conv.	0.038	0.97	90°	11/16"	17	5 11/16"	144	90	0.20
374	Conv.	0.047	1.19	90°	11/16"	17	5 11/16"	144	88	0.19
376	Conv.	0.070	1.78	90°	15/16"	24	7 1/8"	181	146	0.32
379	Conv.	0.090	2.29	90°	1 3/8"	35	8 5/8"	219	264	0.58



STANDARDS: ASME/ANSI B107.19
FEDERAL GGG-P-480



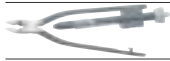
To meet the needs of professional mechanics, URREA has developed a complete line of specialty pliers designed for applications in which there is no conventional tool that will do the job right.

WIRE TWISTING PLIERS

This tool cuts nuts, twists, and works like pliers. Specially designed for applications in aeronautics, motors, vacuum and hydraulic pumps, generators, carburetors, and any other application involving high vibration so that screws must be fastened to each other with twisted wire.

19X

CODE	TYPE	LENGTH		TOTAL LENGTH		Scales	
		in	mm	in	mm	grs	lbs
190	Diagonal-Cutting Wire Twisting Pliers with Spring	7/16"	11.1	8 1/2"	215.9	300	0.66
192	Diagonal-Cutting Wire Twisting Pliers with Spring	5/8"	15.8	10 1/2"	266.7	360	0.79
191	Diagonal-Cutting Manual Wire-Twisting Pliers	5/8"	15.8	10 1/2"	266.7	360	0.79



STANDARDS: ASME/ANSI B107.18M



Code 192

Wire twister pliers

Our wire twisting pliers cut, twist, and also function as pliers.

9

FLOW OBSTRUCTION PLIERS

Stop the flow of liquids in hose maintenance or repair operations.

253G

OPENING AT MIDDLE OF TIP		TOTAL LENGTH		Scales	
in	mm	in	mm	grs	lbs
1 1/2"	38.1	9"	228.6	332	0.73



Code 253G

Flow obstruction pliers

Practical mechanism obstructs flow in hose maintenance and repair operations, with no need to shut off the flow completely.




BRAKE SPRING PLIERS

These pliers compress automotive brake springs, and their handles are designed for removing or installing brake springs on their anchor posts.

217

OPENING		Scales	
in	mm	grs	lbs
13 1/4"	336.5	332	0.73





WHEEL WEIGHT PLIERS

For balancing automotive tires and wheels.

25K


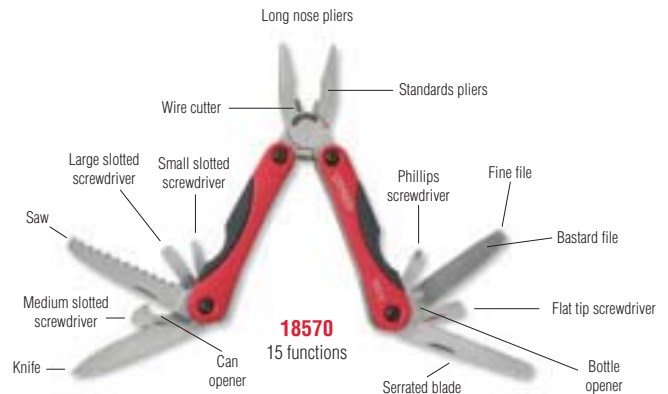
OPENING		Scales	
in	mm	grs	lbs
9 1/4"	234.9	226	0.50




FOLDING MULTI-FUNCTION TOOLS

18XXX

CODE	MAXIMUM OPENING		OPEN LENGHT		CLOSED LENGHT		FUNCTIONS	Scales	
	in	mm	in	mm	in	mm		grs	lbs
18565	11/16"	17.46	4 5/16"	109.54	2 3/4"	69.85	12	80	0.17
18570	1"	25.4	6"	152.4	4"	101.60	15	935	2.06
18675	1 1/8"	28.58	7"	177.80	4 1/2"	114.30	15	400	0.88

18565
12 functions



18570
15 functions



18675
15 functions

Capable of cutting screws and rivets. Cutting edges are hardened with heat treatment to make them last longer.

COPXX BOLT CUTTERS

CODE	LENGTH		MAXIMUM CUTTING CAPACITY				 grs lbs	
	in	mm	SOFT METALS		HARD METALS			
COP18	18"	457	3/8	10	1/4"	6	2100	4.63
COP24	24"	610	7/16	11	5/16"	8	3500	7.72
COP30	30"	762	1/2	12.7	3/8"	9	3800	8.37
COP36	36"	914	9/16	14	7/16"	11	7050	15.54



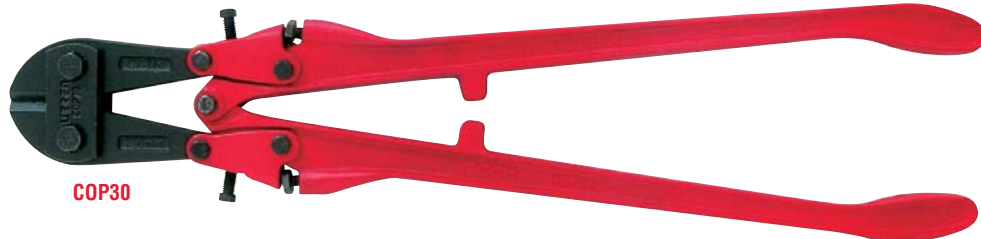
STANDARDS: FEDERAL GGG-W-649



COP18

Chromium-molybdenum steel forged jaws with hardness of 57-59 °Rc

Screw-and-lever jaw adjustment system.



COP30

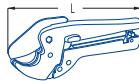
PVC PIPE SNIPS

This tool is strong and lightweight, with a small opening between the handles, blade advance without return, minimum effort required for a clean, quick cut. It is intended for irrigation installations, natural gas pipelines, and electrical networks as well as potable water and general plumbing.

9

330

COLOR HANDLE	CUT LENGTH		TOTAL LENGTH		 grs lbs	
	in	mm	in	mm		
Red	0" to 1 21/32"	0 - 42	9"	230	395	0.87



Blade advance without return, minimum effort required for a clean, quick cut.

For irrigation installations, natural gas pipelines, and potable water and plumbing networks.



Stainless steel V-shaped blade for starting cuts effectively

Ergonomic, lightweight, tough design, with smaller opening between handles.

Code 330
Pipe snips



For PVC pipe, ductwork, and installations, pipe snips are a valuable tool. Just adjust the jaw opening to fit the pipe diameter, apply force to the ergonomic handles, and the blade begins to advance, cutting progressively for a quick clean cut.

AVIATION CUTTING SNIPS

This type of snips is used primarily to cut carbon steel sheets with hardness of up to 52 Rockwell C and non-ferrous metals. Ideal for the sheet metal industry.

**303X
AVIATION CUTTING SNIPS**

CODE	DESCRIPTION	COLOR HANDLE	CUT LENGTH		TOTAL LENGTH		Scales	
			in	mm	in	mm	grs	lbs
303B	Universal Bulldog type	Yellow	1"	25.4	9 1/2"	241	400.0	0.88
303S	Straight aviation	Yellow	1 3/4"	44.8	10"	254	435.0	0.96
303R	Right aviation	Green	1 5/8"	41.3	10"	254	454.0	1.00
303L	Left aviation	Red	1 5/8"	41.3	10"	254	426.7	0.94

STANDARDS: ASME/ANSI B107.16
FEDERAL GGG-S-291



303B

Lock holds the snips closed and makes them easier to store.



303S

Cuts various materials, including: paper, plastic, sheet metal, aluminum, vinyl, and many more.



303R



303L

Specialized blade design lets you move the sheet out of the cutting zone, making it easier to perform left, right, or straight cuts.

safetystartswith**U**

Your security is very important to URREA. We offer you tools that will facilitate your work in a safe and efficient manner.



CONTACT US

email: urree@urree.com **FAX:** (210) 734-8715 **Phone:** (210) 734-8703 / (800) 366-6911

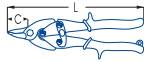
MULTI-PURPOSE AVIATION SNIPS

These snips are ideal for long quick cuts. Their design and construction lets them cut steel plate up to 20 gauge, and they can also cut materials such as paper, plastic, styrofoam sheets, aluminum, vinyl, and many more.

303U

CODE	COLOR HANDLE	CUT LENGTH		TOTAL LENGTH		Scales	
		in	mm	in	mm	grs	lbs
303U	Red	1 3/4"	44.5	10 1/32"	254.7	344.5	0.76

STANDARDS: ASME/ANSI B107.16
FEDERAL GGG-S-291



Lock holds the snips closed and makes them easier to store.

Toothed blades.

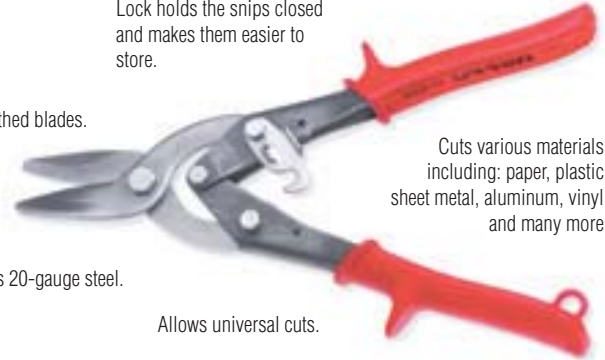
Cuts various materials, including: paper, plastic, sheet metal, aluminum, vinyl, and many more.

Cuts 20-gauge steel.

Allows universal cuts.

Ideal for long quick cuts.

Compound action multiplies the force of your hand.

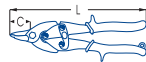


BENT AVIATION CUTTING SNIPS

303XS

CODE	DESCRIPTION	COLOR HANDLE	CUT LENGTH		TOTAL LENGTH		Scales	
			in	mm	in	mm	grs	lbs
303RS	Right aviation	green	1 5/8"	41.3	10	254	426.7	0.94
303LS	Left aviation	red	1 5/8"	41.3	10	254	426.7	0.94

STANDARDS: ASME/ANSI B107.16
FEDERAL GGG-S-291



Cuts various materials, including: paper, plastic, sheet metal, aluminum, vinyl, and many more.

Toothed blades.

303RS

Bent blades let the cut material pass under your hand without rolling up.

303LS

Lock holds the snips closed and makes them easier to store.



CUTTING SNIPS

32XG

CODE	CUT LENGTH		TOTAL LENGTH		Scales	
	in	mm	in	mm	grs	lbs
320G	2 1/2"	53.9	10"	254.0	371	0.81
322G	2 5/8"	66.7	12 3/4"	323.5	651	1.43
324G	4"	101.6	14"	355.6	202.5	0.44

STANDARDS: ASME/ANSI B107.16M

Handles designed for comfortable grip and easy operation.

Steel blade edge angle of 5°.



Cuts various materials, primarily carbon steel sheets (with hardness up to 520 Rockwell C) and non-ferrous metals.

quality starts with U



URREA Professional Tools received the ISO 9000 certification in November 1998 and updated to ISO 9001:2000 certification in February 2004. This certification represents our constant commitment to maintain our operating and product manufacturing standards.

Visit our website: www.urrea.com



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PLIERS AND SNIPS SAFETY RECOMMENDATIONS




Never expose pliers or snips to excessive heat.



Always cut at right angles and never swing the pliers or snips from side to side.



Do not fold the wire against the blade edges.



Never strike pliers or snips, or use them as a hammer.



Do not use a pipe or other accessory to increase torque.



Lubricate pliers occasionally; a drop of oil will make your work easier.



Pliers should not be used with nuts or bolts; a wrench will do the job better and won't deform the fastener.



RUBBER GRIP handles are not electrically insulated unless specifically stated, so they must be used with protection against electrical shocks.



Use the right pliers for what you are doing (stripping, cutting, threading, setting terminals, etc.).

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