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Founded in 1982 in Napa, California; near famed Silicon valley, Tronex initially developed products specifically to meet the demanding needs of the region's high tech electronics industry customers. Tronex has since expanded to manufacture not only cutters, but also pliers. In 2016, Tronex further expanded to become a distributor of precision and economy tweezers. Our experience and high standards of excellence have made Tronex the most trusted resource for supplying high performance hand tools to the top electronics, aerospace & defense, and medical device manufacturing companies in the world. Tronex is proud to offer more styles, features and options than anyone else in the industry.



QUALITY MANUFACTURING



OUR FACILITIES

Tronex operates in state of the art facilities located in Fairfield, CA; just outside of Napa. With the latest technology and machinery, Tronex is able to produce the highest quality tools for customers all over the world.



TRONEX STANDARD OF EXCELLENCE

Tronex is world renown for focus on quality, craftsmanship and innovation. Tronex cutters and pliers are manufactured in our US facility starting with the best quality materials and a unique, high performance design.



IN THE USA

QUALITY GUARANTEE

We carefully inspect every single tool prior to shipment and offer our quality guarantee: Cutting tests are performed on every single cutter before shipping. Tronex warrants our tools to be free from defects in material and workmanship for the life of the tool.



CRAFTMANSHIP





Most of our tool makers have been with Tronex for over 10 years. All of our craftsman are specially trained to keep quality at the forefront, from the beginning of the tool manufacturing process to the final finishing touches.

BENEFITS OF SELECTING



HANDLE LENGTH

Almost all Tronex styles are available with either standard handles or longer, egonomic handles. Model numbers which start with a "5" have standard handles and model numbers which start with a "7" have longer, eronomic handles

PROTECTIVE CAP

All Tronex cutters and pliers come with a useful protective cap designed to protect the tips, prevent possible operator injury and keep out moisture.



R O N E X®

CUSHION GRIPS

All Tronex cutters and pliers come standard with double cushion grips surrounding the steel handles. These comfortable grips have a non-slip, suedelike surface and are made from static-dissipative material which is ESD safe.



OR



SKINNY GRIPS

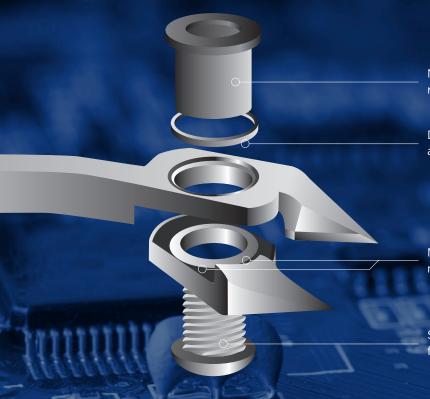
Tronex now offers "skinny grips".

These thin, red silicone grips are available for almost any Tronex hand tool. Simply add "G" to the end of any Tronex model number to request this feature.

TRONEX CUTTUNIQUE IN EVERY WAY

A UNIQUE JOINT

Tronex cutters feature a unique, innovative joint designed for smooth function, strength, durability and comfort. No one else makes a joint like Tronex. This is one of the reasons why Tronex cutters are considered the best performing precision hand cutters in the world.



Nut is very strong, tough and hardened to resist high cutting loads

Delrin washer eliminates metal-to-metal wear and reduces friction

Matched bearing rings minimize metal-to-metal contact

Screw with fine-pitched threads for perfect factory setting

SUPERIOR CUTTING

- Cuts hundreds of thousands of times before dulling
- · Cuts hundreds of thousands of times after resharpening
- Cuts crisply at the very tip and cut along the entire length of the cutting edges
- Cuts in confined areas
- · Cuts wire and leads that are thinner than a human hair

OTHER FEATURES

- Cuts extremely flush with no burrs
- Made in the USA
- Made from high quality US carbon steel
- Stainless steel leaf springs
- ESD Safe Cushion Grips
- Induction hardened cutting edges

ERS

OPTIONS FOR EVERY NEED

SELECTING A CUTTER

Selecting the right cutter for your specific application is very important. Several things should be considered including:

- 1. Access to what is being cut (head shape)
- 2. The material and gauge wire being cut (head size)
- 3. What kind of a cut is needed (edge finish)
- 4. What feels most comfortable (grips style and size)

HEAD SHAPE





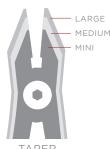






HEAD SIZE





PROFILE



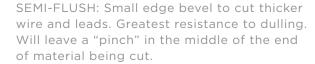
STANDARD

RELIEF

Cutters with relieved (low profile) heads permit increased access to confined areas. See photos for the difference between a standard cutter and a cutter with a relieved head.

EDGE FINISH





LARGE

MEDIUM



FLUSH: Very thin edge bevel that leaves only an exceptionally small "pinch" in the middle of the end of the material being cut. Good compromise between Semi-Flush and Razor Flush® edge finishes.



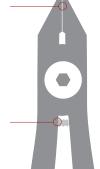
RAZOR FLUSH®: No edge bevel, no "pinch". Cutter operates like two razor blades coming together. Dull faster than cutters with Semi-Flush or Flush edge finish.

RAZOR FLUSH®

Razor sharp edges with perfect alignment

Fine set screw stop to

prevent dulling



Razor Flush® cutters are machine ground to make the edges razor sharp with perfect alignment. Wire or leads cut with Razor Flush® cutters will be left with no raised surface or "pinch". Also Razor Flush® cutters minimize shock when cutting leads on components. All Tronex cutters with Razor Flush® cutting edges have a fine set screw stop built into the handle or jaw of the cutter to prevent these exceptionally sharp edges from dulling themselves, even when an operator applies a strong cutting force.

OVAL HEAD CUTTERS

MINI OVAL CUTTERS are used for fine cutting work, such as with SMT, or work under a microscope. STANDARD HANDLE LONG ERGONOMIC HANDLE .28" (7.1mm) .008"-.049" 0.2mm-1.25mm 32-16 AWG 5311 7311 SEMI-FLUSH .004"-.049" 0.1mm-1.25mm 38-16 AWG 5312 7312 FLUSH .16" (4.1mm) .004"-.031" 0.1mm-.8mm 38-20 AWG 5313 7313 RAZOR FLUSH® .04" (1.0mm) SHORT HANDLE: 4.5" (115mm) LONG ERGONOMIC HANDLE: 5.5" (140mm)

MEDIUM OVAL CU	JTTERS are extremely popular. U	Jsed for general p	urpose cutting. Stro	ong. Versatile.	
.37" (9.5mm)	STANDARD PROFILE	STANDARD HANDLE	LONG ERONOMIC HANDLE	CUTTING EDGE	CUTTING CAPACITY (SOFT COPPER WIRE)
	.23" (5.9mm)	5111	7111	SEMI-FLUSH	.008"049" 0.2mm-1.25mm 32-16 AWG
45" (11.4mm)		5112	7112	FLUSH	.006"049" 0.15mm-1.25mm 35-16 AWG
RONEL	.04" (1.0mm)	5113	7113	RAZOR FLUSH®	.004"039" 0.10mm-1mm 38-18 AWG
	RELIEF PROFILE	STANDARD HANDLE	LONG ERONOMIC HANDLE	CUTTING EDGE	CUTTING CAPACITY (SOFT COPPER WIRE)
5111		5121	7121	SEMI-FLUSH	.008"047" 0.2mm-1.2mm 32-16 AWG
	.13" (3.4mm)	5122	7122	FLUSH	.004"047" 0.1mm-1.2mm 38-16 AWG
	16°	5123	7123	RAZOR FLUSH®	.004"035" 0.1mm9mm 38-19 AWG
	.04" (1.0mm)	OAL SHORT HANDLE	E: 4.6" (117mm) LONG	ERGONOMIC HANDLE: 5.6	6" (142mm)

LARGE OVAL CU	TTERS have more head material	for greater cutting	g capacity. General p	ourpose.	
.41" (10.5mm)	STANDARD PROFILE	STANDARD HANDLE	LONG ERGONOMIC HANDLE	CUTTING EDGE	CUTTING CAPACITY (SOFT COPPER WIRE)
	.23" (5.9mm)	5511	7511	SEMI-FLUSH	.008"059" 0.2mm-1.5mm 32-15 AWG
53" (13.4mm)	(3.91111)	5512	7512	FLUSH	.006"059" 0.15mm-1.5mm 35-15 AWG
CONE	.05" (1.2mm)	5513	7513	RAZOR FLUSH®	.004"051" 0.1mm-1.3mm 38-16 AWG
	RELIEF PROFILE	STANDARD HANDLE	LONG ERGONOMIC HANDLE	CUTTING EDGE	CUTTING CAPACITY (SOFT COPPER WIRE)
5512		5521	7521	SEMI-FLUSH	.008"055" 0.2mm-1.4mm 32-15 AWG
USA	(3.4mm)	5522	7522	FLUSH	.006"055" 0.15mm-1.4mm 35-15 AWG
	16°	5523	7523	RAZOR FLUSH®	.004"047" 0.1mm-1.2mm 38-16 AWG
	.05" (1.2mm)	OAL SHORT HANDL	e: 4.7" (119mm) long i	ERGONOMIC HANDLE: 5.7	7" (144mm)



EXTRA LARGE OVAL CUTTERS







Oval head cutters are excellent general purpose cutters. With additional material in the head, oval head cutters are strong and durable. They are the best option when access is not an issue. Tronex offers a wide variety of oval head sizes and features.

TAPER HEAD CUTTERS

MINI TAPER CUTI	TERS Used only for exceptionall	y fine cutting wo	rk when access to th	e cutting area is di	fficult.
.28" (7.1mm)	STANDARD PROFILE	STANDARD HANDLE	LONG ERGONOMIC HANDLE	CUTTING EDGE	CUTTING CAPACITY (SOFT COPPER WIRE)
(7.11111) 	.24" (6.1mm)	5411	7411	SEMI-FLUSH	.008"049" 0.2mm-1.25mm 32-16 AWG
4" (10.2mm)		5412	7412	FLUSH	.004"049" 0.1mm-1.25mm 38-16 AWG
RONE	.04" (1.0mm)	5413	7413	RAZOR FLUSH®	.004"031" 0.1mm-0.8mm 38-20 AWG
	RELIEF PROFILE	STANDARD HANDLE	LONG ERGONOMIC HANDLE	CUTTING EDGE	CUTTING CAPACITY (SOFT COPPER WIRE)
5412		5421	7421	SEMI-FLUSH	.008"043" 0.2mm-1.1mm 32-17 AWG
	.13" (3.4mm)	5422	7422	FLUSH	.004"039" 0.1mm-1mm 38-18 AWG
		5423	7423	RAZOR FLUSH®	.004"028" 0.1mm-0.7mm 38-21 AWG
.03" 16° (.7mm)		OAL SHORT HANDL	E: 4.6" (117mm) LONG	ERGONOMIC HANDLE: 5.0	6" (142mm)

.37"	PROFILE	HANDLE	LONG ERGONOMIC HANDLE	CUTTING EDGE	CUTTING CAPACIT' (SOFT COPPER WIR
(9.5mm)	.23" (5.9mm)	5211	7211	SEMI-FLUSH	.008"049" 0.2mm-1.25mm 32-16 AWG
.45" (11.4mm)		5212	7212	FLUSH	.006"049" 0.15mm-1.25mm 35-16 AWG
RONE	.04" (1.0mm)	5213	7213	RAZOR FLUSH®	.004"039" 0.1mm-1mm 38-18 AWG
	RELIEF PROFILE	STANDARD HANDLE	LONG ERGONOMIC HANDLE	CUTTING EDGE	CUTTING CAPACIT (SOFT COPPER WIF
5212	.13" (3.4mm)	5221	7221	SEMI-FLUSH	.008"045" 0.2mm-1.15mm 32-17 AWG
No.		5222	7222	FLUSH	.004"041" 0.1mm-1.05mm 38-19 AWG
	.04" 16° (1.0mm)	5223	7223	RAZOR FLUSH®	.004"035" 0.1mm-0.9mm 38-19 AWG

LARGE TAPER CU	JTTERS Extra long jaw for poss	ibly cutting multip	ple leads.		
.41" (10.5mm)	STANDARD PROFILE	STANDARD HANDLE	LONG ERGONOMIC HANDLE	CUTTING EDGE	CUTTING CAPACITY (SOFT COPPER WIRE)
A A T	.23"	5711	7711	SEMI-FLUSH	.008"051" 0.2mm-1.3mm 32-16 AWG
56" (14.2mm)	(5.9mm)	5712	7712	FLUSH	.006"051" 0.15mm-1.3mm 35-16 AWG
TRONE	.05" 16° (1.2mm)	5713	7713	RAZOR FLUSH®	.004"047" 0.1mm-1.2mm 38-16 AWG
	RELIEF PROFILE	STANDARD HANDLE	LONG ERGONOMIC HANDLE	CUTTING EDGE	CUTTING CAPACITY (SOFT COPPER WIRE)
7723		5721	7721	SEMI-FLUSH	.008"049" 0.2mm-1.25mm 32-16 AWG
154	.13" (3.4mm)	5722	7722	FLUSH	.006"047" 0.15mm-1.2mm 35-16 AWG
		5723	7723	RAZOR FLUSH®	.004"035" 0.1mm-0.9mm 38-19 AWG
	.05" 16° (1.2mm)	OAL SHORT HANDLE	e: 4.7" (120mm) long	ERGONOMIC HANDLE: 5.	7" (145mm)

STANDOFF CUTTERS

CUT TO A PREDETERMINED LENGTH

Standoff length available from .5mm to 3mm. Includes unique anti-dulling protection. Set screw prevents cutting edge from hitting the standoff leg after a cut has been made. Cutting edge hardened by induction heat treating.





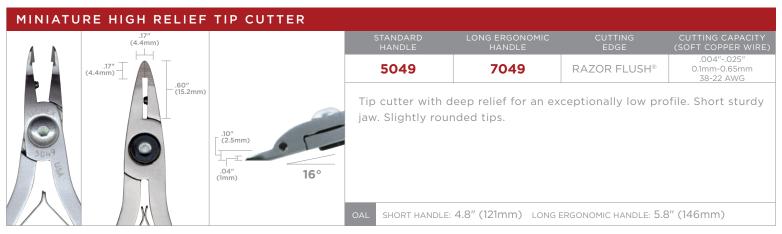


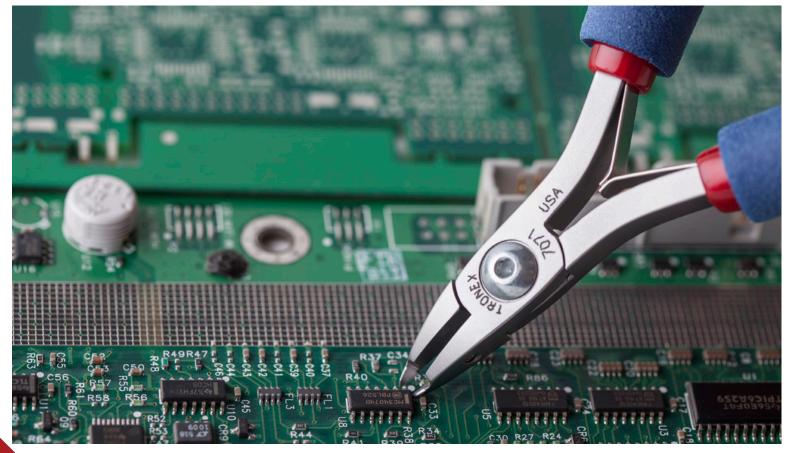


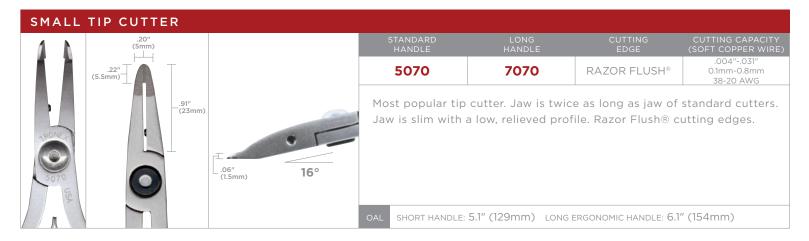
TIP CUTTERS WWW.TRONEXTOOLS.COM

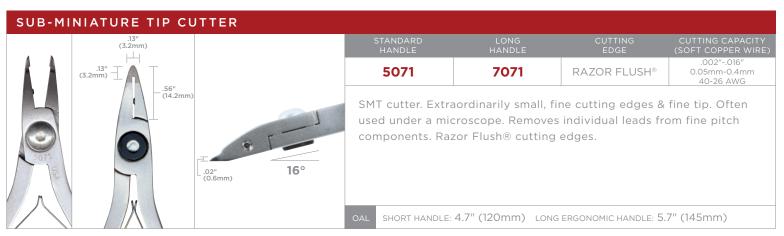
TIP CUTTERS













Tip cutters are cutting tools with long, narrow jaws that have small, exceptionally sharp edges for cutting at the very tip. All Tronex tip cutters have long jaws for extended reach, feature Razor Flush® cutting edges and a set screw to prevent damage to the blades. Some Tronex tip cutters have lower profiles or have ultra fine cutting tips.

ANGULATED CUTTERS

CUTTING EDGES AT AN ANGLE TO THE BOARD

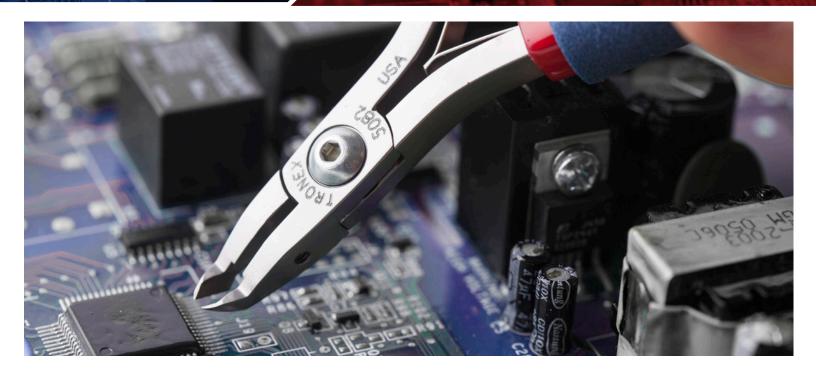
Most precision hand cutting tools have cutting edges at a 15 to 20 degree angle so that there is clearance for the operator's fingers on the handles. However, a much greater angle may be preferred when access to the object being cut is very limited or when the work area is very crowded. Tronex offers angulated cutters at different angles and with different cutting edge sizes to meet a wide variety of needs.



















IRE CUTTERS Tungsten Alloy

- Made entirely from a super tungsten alloy containing tungsten, cobalt, vanadium, and chromium.
- Machined and formed at the Tronex factory to high dimensional tolerances, exceptionally sharp cutting edges, and featuring Tronex's unique joint design.
- Vacuum furnace-hardened and tempered to achieve a cutting edge hardness of 66 to 68 HRC.
 Cutters made from carbon steel have a maximum cutting edge hardness of 62 to 63 HRC.
- Cutter heads and tips are smaller and narrower than tips on Tronex Class T cutters. Therefore Class W cutters are effective in cutting in confined areas and into coils. Class W cutters are often employed to cut medical wire under a microscope.
- Particularly fine grained cutting edges allow cutting of very thin wire with diameter of less than .005" (0.1mm). Class W cutters cut slightly more flush than Class T cutters
- Set screw stops (pre-set at the factory) prevent overlapping, help decrease shock from the cutting force, and reduce dulling.



- Body of the tool made of hardened carbon steel.
- Cutting edges are of tungsten carbide material silver brazed into the jaw of the carbon steel body.
- Diamond grinding at the Tronex factory forms
 the head shape and sharpens the cutting edges
 to high dimensional tolerances. All Class T cutters
 feature the unique Tronex joint design.
- Grade of Tungsten carbide optimizes toughness and hardness. Cutting edge hardness is in the range of 79 to 81 HRC.
- Dual material design allows for higher cutting capacities than for Class W cutters. Cuts hard wire to a diameter of .025" (.65mm).

- Class T cutters have harder cutting edges than Class W cutters. Therefore Class T cutters can cut harder wire than Class W cutters. For example Class T cutters can cut fine tungsten wire, Class W cannot cut fine tungsten wire.
- Dual material design of Class T cutters makes these tools tougher and less fragile than Class W cutters. Class W cutters are likely to fracture if dropped on a concrete floor.
- Set screw stops (pre-set at the factory) prevent overlapping, help decrease shock from the cutting force, and reduce dulling.

CLASS W CUTTERS

MADE ENTIRELY FROM TUNGSTEN ALLOY STEEL









CLASS T CUTTERS

MADE WITH TUNGSTEN CARBIDE INSERTS BRAZED INTO THE CUTTING EDGES











(PLIERS

PERFORMANCE

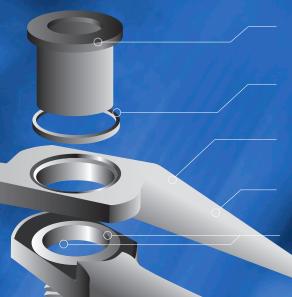
PRECISION PLIERS

Tronex precision pliers are 100% made in the USA with US sourced carbon steel. Our pliers are precision pliers – just like our cutters, and are designed for a high level of performance and comfort. Tronex pliers offer some unique characteristics including:

- ESD Safe cushion grips with stainless steel leaf springs
- Most offer a choice of standard handle length or long, ergonomic handle length
- · Polished, hand-crafted finish; entirely free of burrs
- Special design elements such as slightly rounded inner jaw edges and induction hardened tips

A UNIQUE JOINT

Tronex pliers feature an innovative bearing ring lap joint design for smooth function, strength and durability. Most pliers on the market have only a lap joint or rivet joint. Tronex pliers will function better, feel more comfortable and last longer than other pliers. This is one of the reasons why Tronex pliers are considered the best performing precision pliers in the world.



Nut is very strong, tough and hardened to resist high cutting loads

Delrin washer eliminates metal-to-metal wear and reduces friction

Polished, hand-crafted finish entirely free of burrs.

Slightly rounded inner jaw edges and induction hardened tips

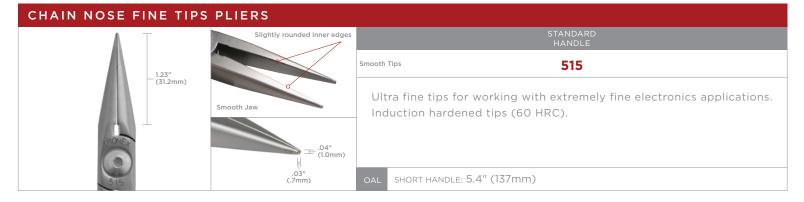
Matched bearing rings minimize metal-tometal contact

Screw with fine-pitched threads for perfect factory setting

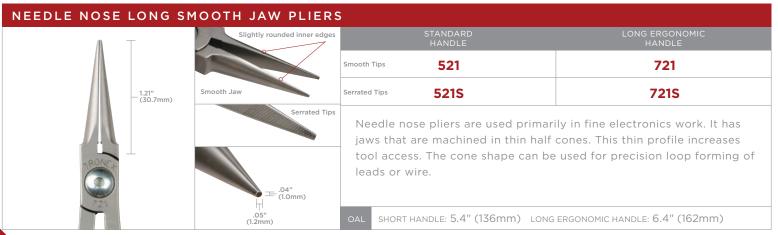
CHAIN NOSE PLIERS

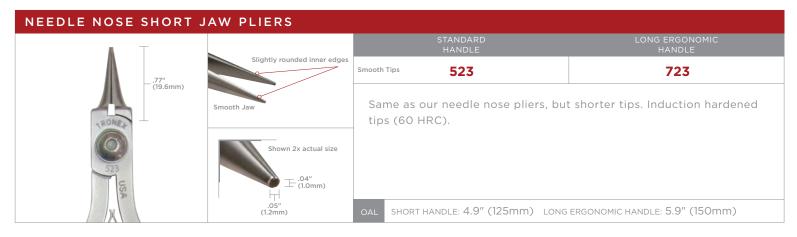






NEEDLE NOSE PLIERS







ROUND NOSE PLIERS





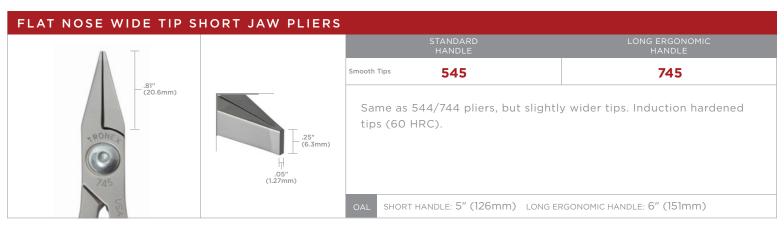
FLAT NOSE PLIERS

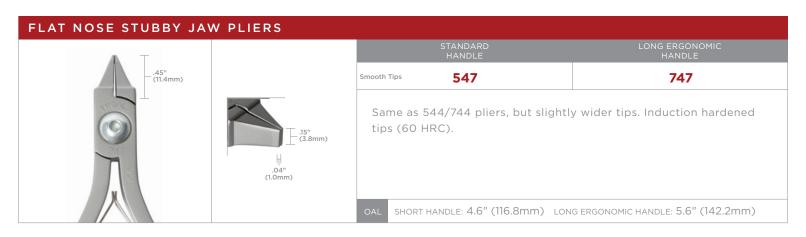














BENT NOSE PLIERS



	STANDARD HANDLE	LONG ERGONOMIC HANDLE
	Smooth Tips 551	751
25	Serrated Tips 551S	751S

Bent nose pliers are used in electronics where they are often used in place of tweezers. Fine tips on Tronex bent nose pliers provide exceptional access. Bent nose pliers are also used in jewelry making.

SHORT HANDLE: 5" (126mm) LONG ERGONOMIC HANDLE: 6" (151mm)

BENT NOSE STURDY TIPS PLIERS



	STANDARD HANDLE	LONG ERGONOMIC HANDLE
Smooth Tips	552	752

These bent nose pliers offer the same popular shape as our other bent nose pliers but with heftier, sturdier tips. These tips allow for usage with heavier gauge wire but still allow for exceptional access to confined spaces. Induction hardened tip (60 HRC)

OAL SHORT HANDLE: 5" (126mm) LONG ERGONOMIC HANDLE: 6" (153mm)

BENT NOSE 45 DEGREE VERY FINE TIPS PLIERS



STANDARD HANDLE	LONG ERGONOMIC HANDLE
Smooth Tips 555	755

These bent nose pliers have a 45 degree angle rather than our standard 60 degree angle bent nose pliers. This tool also has finer tips than our other bent nose piers. It is designed for working with fine wire and getting into very tight areas. Induction hardened tips (60 HRC).

SHORT HANDLE: 4.9" (124mm) LONG ERGONOMIC HANDLE: 5.9" (150mm)

BENT-ROUND NOSE VERY FINE TIP LONG JAW PLIERS



STANDARD HANDLE	LONG ERGONOMIC HANDLE	
Smooth Tips 556	756	

These specialty bent round nose pliers are for bending, shaping and gripping wire.

OAL SHORT HANDLE: 5" (128mm) LONG ERGONOMIC HANDLE: 6" (151mm)

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TWEEZERS





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