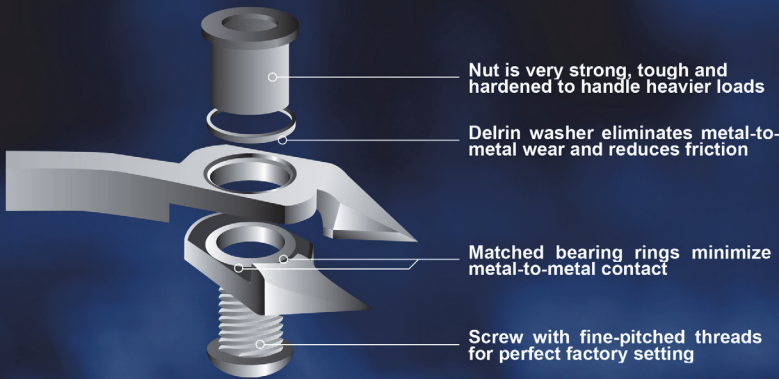


TRONEX CUTTERS

Precision Cutters

Tronex cutters feature a unique, innovative joint designed for smooth function, strength, durability and comfort. No one else makes a joint like Tronex.

- Cuts hundreds of thousands of times before dulling
- Cuts in confined areas
- Cuts wire and leads that are thinner than a human hair
- Cuts extremely flush with no burrs
- Made from high quality US carbon steel
- Stainless steel leaf springs
- ESD Safe Cushion Grips
- Induction hardened cutting edges

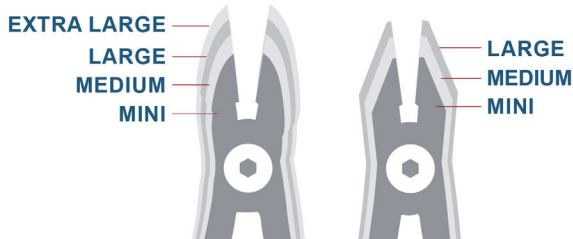


SELECTING A CUTTER

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)

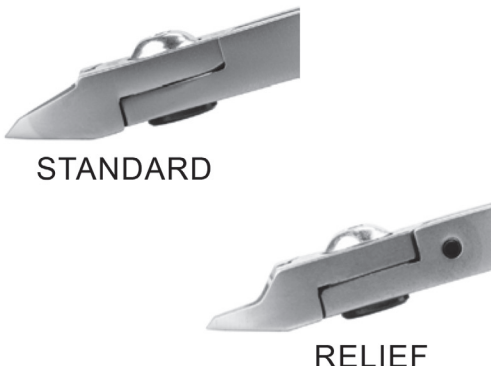
HEAD SIZE



HEAD SHAPE



PROFILE



Cutters with a relieved head have a low-profile allowing additional access into restricted areas. See photos for the difference between a standard cutter and a cutter with a relieved head.

EDGE FINISH



Semi-Flush: Feature a small edge bevel on the cutter and are typically used in an industrial setting to cut thicker wire and leads. Will leave a "pinch" in the middle of the end of material being cut. These cutting edges will be the most durable, the most cost effective, and most resistant to dulling, extending the life of the tool.



Flush: Feature a very thin edge bevel on the cutter that leaves only an exceptionally small "pinch" in the middle of the end of the material being cut. Used in a wide range of electronics manufacturing applications where users are looking for a balance between longevity, precision, and cost.

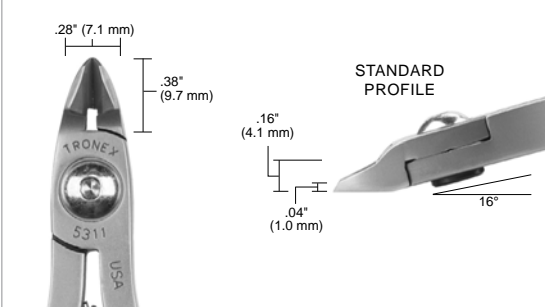


Razor Flush®: Feature no bevel on the cutters resulting in exceptionally sharp edges which produce cuts leaving virtually no raised surface or "pinch". The cutter operates like two razor blades coming together. Typically used when the highest level of precision is required working with small and/or very fine components. Although more frequent sharpening is required with Razor Flush® cutters, each cutter has a fine set screw stop built into the jaw of the cutter to protect the edges.

Oval Head Cutters

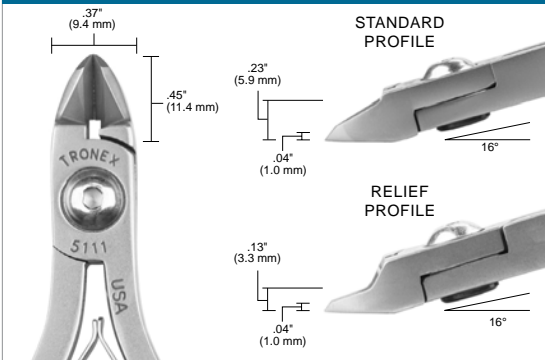
Oval head cutters are excellent general purpose cutters. With additional material in the head, oval head cutters are strong and durable. They are the best option when access is not an issue. Tronex offers a wide variety of oval head sizes and features.

MINI OVAL CUTTERS used for fine cutting work, such as with SMT, or work under a microscope.



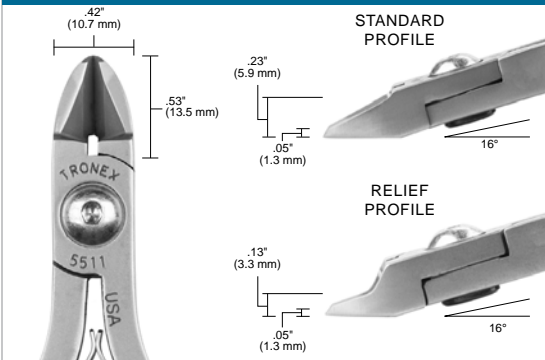
	SEMI-FLUSH	FLUSH	RAZOR FLUSH®
ITEM NO.	5311 7311*	5312 7312*	5313 7313*
PROFILE	STANDARD	STANDARD	STANDARD
CUTTING CAPACITY (SOFT COPPER WIRE)	.008 in - .049 in 0.2 mm - 1.25 mm 32 - 16 AWG	.004 in - .049 in 0.1 mm - 1.25 mm 38 - 16 AWG	.004 in - .031 in 0.1 mm - .8 mm 38 - 20 AWG
HANDLE LENGTH	STANDARD *LONG ERGONOMIC	STANDARD *LONG ERGONOMIC	STANDARD *LONG ERGONOMIC
OAL	4.5 in / 115 mm *5.5 in / 140 mm	4.5 in / 115 mm *5.5 in / 140 mm	4.5 in / 115 mm *5.5 in / 140 mm

MEDIUM OVAL CUTTERS are extremely popular. Used for general purpose cutting, strong and versatile.



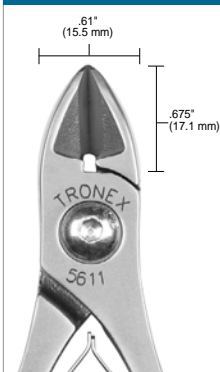
	SEMI-FLUSH	FLUSH		RAZOR FLUSH®	
ITEM NO.	5111 7111*	5112 7112*	5122 7122*	5113 7113*	5123 7123*
PROFILE	STANDARD	STANDARD	RELIEF	STANDARD	RELIEF
CUTTING CAPACITY (SOFT COPPER WIRE)	.008 in - .049 in 0.2 mm - 1.25 mm 32 - 16 AWG	.006 in - .049 in 0.15 mm - 1.25 mm 35 - 16 AWG	.004 in - .047 in 0.1 mm - 1.2 mm 38 - 16 AWG	.004 in - .039 in 0.10 mm - 1 mm 38 - 18 AWG	.004 in - .035 in 0.1 mm - .9 mm 38 - 19 AWG
HANDLE LENGTH	STANDARD *LONG ERGONOMIC	STANDARD *LONG ERGONOMIC		STANDARD *LONG ERGONOMIC	
OAL	4.6 in / 117 mm *5.6 in / 142 mm	4.6 in / 117 mm *5.6 in / 142 mm		4.6 in / 117 mm *5.6 in / 142 mm	

LARGE OVAL CUTTERS have more head material for greater cutting capacity. General purpose.



	SEMI-FLUSH	FLUSH		RAZOR FLUSH®	
ITEM NO.	5511 7511*	5512 7512*	5522 7522*	5513 7513*	5523 7523*
PROFILE	STANDARD	STANDARD	RELIEF	STANDARD	RELIEF
CUTTING CAPACITY (SOFT COPPER WIRE)	.008 in - .059 in 0.2 mm - 1.5 mm 32 - 15 AWG	.006 in - .059 in 0.15 mm - 1.5 mm 35 - 15 AWG	.006 in - .055 in 0.15 mm - 1.4 mm 35 - 15 AWG	.004 in - .051 in 0.1 mm - 1.3 mm 38 - 16 AWG	.004 in - .047 in 0.1 mm - 1.2 mm 38 - 16 AWG
HANDLE LENGTH	STANDARD *LONG ERGONOMIC	STANDARD *LONG ERGONOMIC		STANDARD *LONG ERGONOMIC	
OAL	4.7 in / 119 mm *5.7 in / 144 mm	4.7 in / 119 mm *5.7 in / 144 mm		4.7 in / 119 mm *5.7 in / 144 mm	

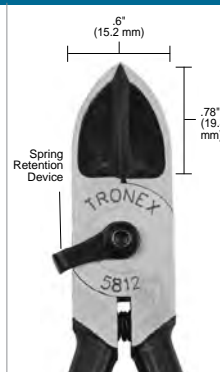
EXTRA LARGE OVAL CUTTERS



	SEMI-FLUSH	FLUSH	RAZOR FLUSH®
ITEM NO.	5611	5612	5613
PROFILE	STANDARD	STANDARD	STANDARD
CUTTING CAPACITY (SOFT COPPER WIRE)	.020 in - .080 in 0.4 mm - 2 mm 26 - 12 AWG	.010 in - .080 in 0.3 mm - 2 mm 29 - 12 AWG	.010 in - .060 in 0.3 mm - 1.6 mm 29 - 14 AWG
HANDLE LENGTH	STANDARD	STANDARD	STANDARD
OAL	5.5 in / 140 mm	5.5 in / 140 mm	5.5 in / 140 mm

This cutter has a longer and wider head which permits an expanded cutting capacity. Able to cut confidently through heavy duty wire, our extra large oval is popular for a variety of applications and industries. Available in mid sized handles.

HEAVY DUTY CUTTERS



	SEMI-FLUSH	FLUSH
ITEM NO.	5811 7811*	5812 7812*
PROFILE	STANDARD	STANDARD
CUTTING CAPACITY (SOFT COPPER WIRE)	.020 in - .080 in 0.4 mm - 2 mm 26 - 12 AWG	.010 in - .080 in 0.3 mm - 2 mm 29 - 12 AWG
HANDLE LENGTH	STANDARD *LONG ERGONOMIC	STANDARD *LONG ERGONOMIC
OAL	5.2 in / 132 mm *6.2 in / 156 mm	5.2 in / 132 mm *6.2 in / 156 mm

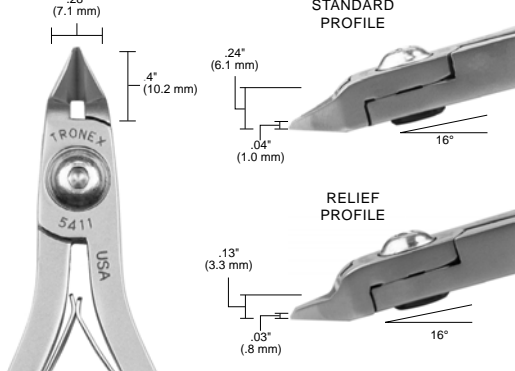
Wire harness making are popular applications for our heavy duty cutters. This cutter, forged of carbon steel, has strength in the head and joint areas needed to cut heavier gauge wire or cable. A jaw restraining device is attached to ensure ensure spring retention.

TAPER CUTTERS

Taper Cutters

Pointed head allows for increased cutting access yet has sufficient strength to avoid tip breakage when used within its capacity. Most popular cutters.

MINI TAPER CUTTERS are used only for exceptionally fine cutting work when access to the cutting area is difficult.

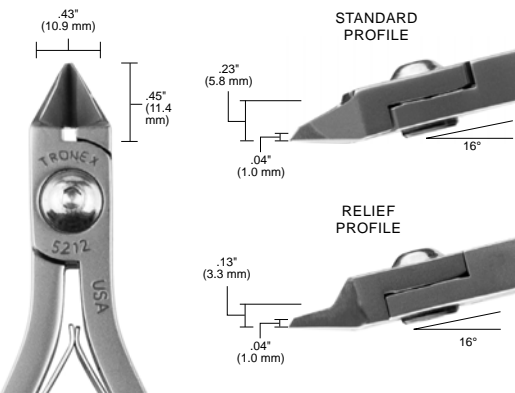


STANDARD PROFILE

RELIEF PROFILE

	SEMI-FLUSH	FLUSH		RAZOR FLUSH®	
ITEM NO.	5421 7421*	5412 7412*	5422 7422*	5413 7413*	5423 7423*
PROFILE	RELIEF	STANDARD	RELIEF	STANDARD	RELIEF
CUTTING CAPACITY (SOFT COPPER WIRE)	.008 in - .043 in 0.2 mm - 1.1 mm 32 - 17 AWG	.004 in - .049 in 0.1 mm - 1.25 mm 38 - 16 AWG	.004 in - .039 in 0.1 mm - 1 mm 38 - 18 AWG	.004 in - .031 in 0.1 mm - 0.8 mm 38 - 20 AWG	.004 in - .028 in 0.1 mm - 0.7 mm 38 - 21 AWG
HANDLE LENGTH	STANDARD *LONG ERGONOMIC	STANDARD *LONG ERGONOMIC		STANDARD *LONG ERGONOMIC	
OAL	4.6 in / 117 mm *5.6 in / 142 mm	4.6 in / 117 mm *5.6 in / 142 mm		4.6 in / 117 mm *5.6 in / 142 mm	

MEDIUM TAPER CUTTERS are very popular cutter models providing cutting capacity & outstanding access.

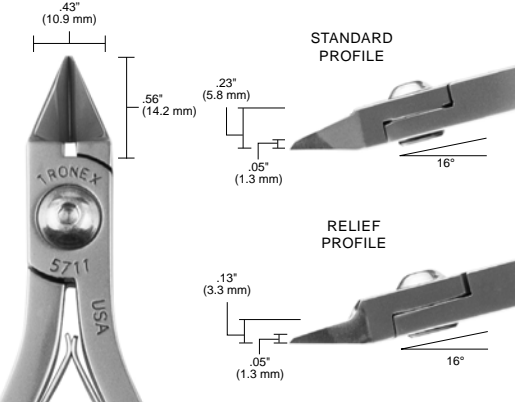


STANDARD PROFILE

RELIEF PROFILE

	SEMI-FLUSH		FLUSH		RAZOR FLUSH®	
ITEM NO.	5211 7211	5221 7221*	5212 7212*	5222 7222*	5213 7213*	5223 7223*
PROFILE	STANDARD	RELIEF	STANDARD	RELIEF	STANDARD	RELIEF
CUTTING CAPACITY (SOFT COPPER WIRE)	.008 in - .049 in 0.2 mm - 1.25 mm 32 - 16 AWG	.008 in - .045 in 0.2 mm - 1.15 mm 32 - 17 AWG	.006 in - .049 in 0.15 mm - 1.25 mm 35 - 16 AWG	.004 in - .041 in 0.1 mm - 1.05 mm 38 - 19 AWG	.004 in - .039 in 0.1 mm - 1 mm 38 - 18 AWG	.004 in - .035 in 0.1 mm - 0.9 mm 38 - 19 AWG
HANDLE LENGTH	STANDARD *LONG ERGONOMIC		STANDARD *LONG ERGONOMIC		STANDARD *LONG ERGONOMIC	
OAL	4.6 in / 117 mm *5.6 in / 142 mm		4.6 in / 117 mm *5.6 in / 142 mm		4.6 in / 117 mm *5.6 in / 142 mm	

LARGE TAPER CUTTERS with extra long jaw for possibly cutting multiple leads.



STANDARD PROFILE

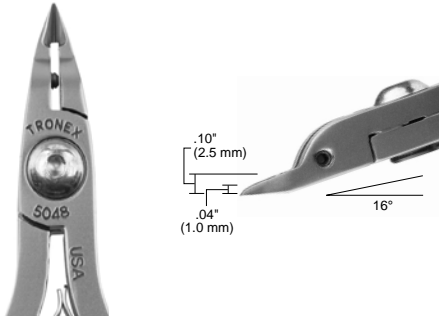
RELIEF PROFILE

	SEMI-FLUSH	FLUSH		RAZOR FLUSH®	
ITEM NO.	5711 7711	5712 7712*	5722 7722*	5713 7713*	5723 7723*
PROFILE	STANDARD	STANDARD	RELIEF	STANDARD	RELIEF
CUTTING CAPACITY (SOFT COPPER WIRE)	.008 in - .051 in 0.2 mm - 1.3 mm 32 - 16 AWG	.006 in - .051 in 0.15 mm - 1.3 mm 35 - 16 AWG	.006 in - .047 in 0.15 mm - 1.2 mm 35 - 16 AWG	.004 in - .047 in 0.1 mm - 1.2 mm 38 - 16 AWG	.004 in - .035 in 0.1 mm - 0.9 mm 38 - 19 AWG
HANDLE LENGTH	STANDARD *LONG ERGONOMIC	STANDARD *LONG ERGONOMIC		STANDARD *LONG ERGONOMIC	
OAL	4.7 in / 120 mm *5.7 in / 145 mm	4.7 in / 120 mm *5.7 in / 145 mm		4.7 in / 120 mm *5.7 in / 145 mm	

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.

FINE TIP CUTTER



	STANDARD HANDLE
ITEM NO.	5048
CUTTING EDGE	RAZOR FLUSH®
CUTTING CAPACITY (SOFT COPPER WIRE)	.004 in - .025 in 0.1 mm - 0.65 mm 38 - 22 AWG
OAL	4.8 in 121 mm



Ultra fine tips for working with extremely fine electronics applications. Same as 5049 but with pointed tips rather than rounded tips.

MINIATURE HIGH RELIEF TIP CUTTER



	STANDARD HANDLE	LONG ERGONOMIC HANDLE
ITEM NO.	5049	7049
CUTTING EDGE	RAZOR FLUSH®	
CUTTING CAPACITY (SOFT COPPER WIRE)	.004 in - .025 in 0.1 mm - 0.65 mm 38 - 22 AWG	
OAL	4.8 in 121 mm	5.8 in 146 mm

Tip cutter with deep relief for an exceptionally low profile. Short sturdy jaw. Slightly rounded tips.

SMALL TIP CUTTER



	STANDARD HANDLE	LONG ERGONOMIC HANDLE
ITEM NO.	5070	7070
CUTTING EDGE	RAZOR FLUSH®	
CUTTING CAPACITY (SOFT COPPER WIRE)	.004 in - .031 in 0.1 mm - 0.8 mm 38 - 20 AWG	
OAL	5.1 in 129 mm	6.1 in 154 mm

Most popular tip cutter. Jaw is twice as long as jaw of standard cutters. Jaw is slim with a low, relieved profile. Razor Flush® cutting edges.

SUB-MINIATURE TIP CUTTER



	STANDARD HANDLE	LONG ERGONOMIC HANDLE
ITEM NO.	5071	7071
CUTTING EDGE	RAZOR FLUSH®	
CUTTING CAPACITY (SOFT COPPER WIRE)	.002 in - .016 in 0.05 mm - 0.4 mm 40 - 26 AWG	
OAL	4.7 in 120 mm	5.7 in 145 mm

SMT cutter. Extraordinarily small, fine cutting edges and fine tip. Often used under a microscope. Removes individual leads from fine pitch components. Razor Flush® cutting edges.

RUGGED LONG JAW TIP CUTTER



	STANDARD HANDLE	LONG ERGONOMIC HANDLE
ITEM NO.	5088	7088
CUTTING EDGE	RAZOR FLUSH®	
CUTTING CAPACITY (SOFT COPPER WIRE)	.005 in - .039 in 0.13 mm - 1.2 mm 36 - 18 AWG	
OAL	5.1 in 129 mm	6.1 in 154 mm

Same as the 5070/7070 model except wider jaw and wider tip for extra durability and greater cutting capacity. Razor Flush® cutting edges.

ANGULATED & STANDOFF CUTTERS

Angulated Cutters

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.

LARGE 50° POINTED CUTTER

	STANDARD HANDLE	LONG ERGONOMIC HANDLE
ITEM NO.	5004	7004
CUTTING EDGE	FLUSH	
CUTTING CAPACITY (SOFT COPPER WIRE)	.008 in - .031 in 0.2 mm - 0.8 mm 32 - 20 AWG	
OAL	4.7 in 119 mm	5.7 in 144 mm

Large cutting edge with pointed tip. Short jaw for enhanced control.

LARGE 50° CUTTER

	STANDARD HANDLE	LONG ERGONOMIC HANDLE
ITEM NO.	5072	7072
CUTTING EDGE	FLUSH	
CUTTING CAPACITY (SOFT COPPER WIRE)	.008 in - .039 in 0.2 mm - 1 mm 32 - 18 AWG	
OAL	4.8 in 123 mm	5.8 in 148 mm

Largest cutting head. Robust and excellent in cutting several leads in a single cut. Relieved for enhanced visibility.

MINIATURE 50° CUTTER

	STANDARD HANDLE	LONG ERGONOMIC HANDLE
ITEM NO.	5075	7075
CUTTING EDGE	FLUSH	
CUTTING CAPACITY (SOFT COPPER WIRE)	.004 in - .025 in 0.1 mm - 0.65 mm 38 - 22 AWG	
OAL	4.9 in 124 mm	5.9 in 149 mm

An SMT cutter with a very small cutting head. Used for exceptionally fine cutting. Relieved for maximum accessibility.

SMALL 50° POINTED CUTTER

	STANDARD HANDLE	LONG ERGONOMIC HANDLE
ITEM NO.	5080	7080
CUTTING EDGE	FLUSH	
CUTTING CAPACITY (SOFT COPPER WIRE)	.008 in - .030 in 0.1 mm - 0.8 mm 32 - 20 AWG	
OAL	4.9 in 124 mm	5.9 in 149 mm

Angulated cutter with a very pointed tip which allows for maximum accessibility into confined areas.

SMALL 50° CUTTER

	STANDARD HANDLE	LONG ERGONOMIC HANDLE
ITEM NO.	5082	7082
CUTTING EDGE	FLUSH	
CUTTING CAPACITY (SOFT COPPER WIRE)	.008 in - .030 in 0.1 mm - 0.8 mm 32 - 20 AWG	
OAL	4.9 in 124 mm	5.9 in 149 mm

Most popular angulated cutter. Small cutting head with relief for excellent visibility. Durability combined with fine cutting.

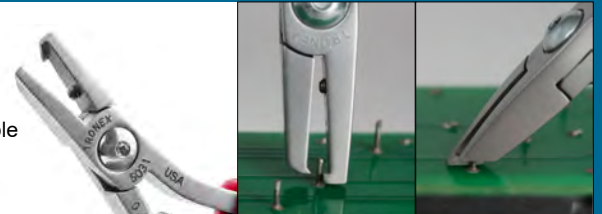
SMALL 70° CUTTER

	STANDARD HANDLE	LONG ERGONOMIC HANDLE
ITEM NO.	5083	7083
CUTTING EDGE	FLUSH	
CUTTING CAPACITY (SOFT COPPER WIRE)	.008 in - .025 in 0.2 mm - 0.65 mm 32 - 22 AWG	
OAL	4.9 in 124 mm	5.9 in 149 mm

An SMT cutter. Steep 70° angle with a very fine cutting head allows special access.

Standoff Cutters

Cut to a predetermined standoff length available from .5mm to 3mm. Includes a 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. Standoff Cutters are available in 45 or 90 degree angles and standard or long ergonomic handle length. The cutting capacity for soft copper wire ranges from 32 - 22 AWG. Visit TronexTools.com for more information.



PRECISION STAINLESS STEEL

Item No.	Description
00-SA-CH	General Purpose, Fine Tips, Style 00
00D-SA-CH	General Purpose with Finger Grooves, Fine Serrated Tips, Style 00D
2A-SA-CH	Slight Taper, Blunt Rounded Tips, Style 2A
3-SA-CH	NEW! General Purpose, Very Fine Tips, Style 3
3C-SA-CH	General Purpose, Shorter, Very Fine Tips, Style 3C
3CB-SA-CH	Bent Very Fine Tips, Style 3CB
5-SA-CH	Extra Taper, Very Fine Tips, Style 5
51-SA-CH	NEW! Bent Very Fine Tips, Style 51
7-SA-CH	Curved Very Fine Tips, Style 7
AA-SA-CH	General Purpose, Fine Tips, Style AA
SS-SA-CH	Long/Thin, Very Fine Tips, Style SS

NEW! LIGHTWEIGHT PLASTIC DISSIPATIVE

Item No.	Description
P2A-STD	Flat, Round Blunt Tips, Style 2A
P35-STD	Straight, Flat Tips, Style 35
P3C-STD	General Purpose, Very Fine Tips, Style 3C
P7-STD	Curved Very Fine Tips, Style 7

NEW! REPLACEABLE DISSIPATIVE TIPS

Item	Description
1304-SA-STD-CH	General Purpose, Fine Tips, Style 00, NEW! Replacement Tips: TIP-STD-4-CH
1304B-SA-STD-CH	Curved Very Fine Tips, Style 7, NEW! Replacement Tips: TIP-STD-4B-CH
1315-SA-STD-CH	Extra Taper, Very Fine Tips, Style 5, NEW! Replacement Tips: TIP-STD-15-CH
1316-SA-STD-CH	Taper, Very Fine Tips, Style 2, NEW! Replacement Tips: TIP-STD-16-CH
1317-SA-STD-CH	Slight Taper, Blunt Rounded Tips, Style 2A, NEW! Replacement Tips: TIP-STD-17-CH

MINI STAINLESS STEEL

Item	Description
M2A-SA-CH	Short, Slight Taper, Blunt Rounded Tips, Style 2A
M3C-SA-CH	Short, Slight Taper, Very Fine Tips, Style 3C
M5-SA-CH	Short, Extra Taper, Very Fine Tips, Style 5

CUTTING

Item	Description
15AC-CH	Medium Head, Pointed Tips, Style 15AC
15AGW-CH	Large Head, Pointed Tips, Style 15AGW
15AP-CH	NEW! Large Head, Parallel Cut, Pointed Tips, Style 15AP

NEW! WAFER HANDLING

Item	Description
T5508W-SA-STD-CH	Replaceable Dissipative Tips, Stainless Handles

ACCESSORIES

Item	Description
M-CASE-10	Carrying Case Only, Magnetic Closure, 10 Piece
Z-CASE-10	Carrying Case Only, Zipper Closure, 10 Piece

Tweezers

With an emphasis on quality craftsmanship, Tronex has sourced tweezers produced to exacting standards by toolmakers who have been making tweezers for decades.



Carrying Cases Available!



M-CASE-10

Z-CASE-10

STYLE	DESCRIPTION
00	General Purpose, Fine Tips
00D	General Purpose with Finger Grooves, Fine Serrated Tips
2	Taper, Very Fine Tips
2A	Slight Taper, Blunt Rounded Tips
3	General Purpose, Very Fine Tips
3C	General Purpose, Shorter, Very Fine Tips
3CB	Bent Very Fine Tips
35	Straight, Flat Tips
5	Extra Taper, Very Fine Tips
51	Bent Very Fine Tips
7	Curved Very Fine Tips
AA	General Purpose, Fine Tips
SS	Long/Thin, Very Fine Tips
AC	Cutting – Medium Head, Pointed Tips
AGW	Cutting – Large Head, Pointed Tips
AP	Cutting – Large Head, Parallel Cut



FINE HARD WIRE CUTTERS

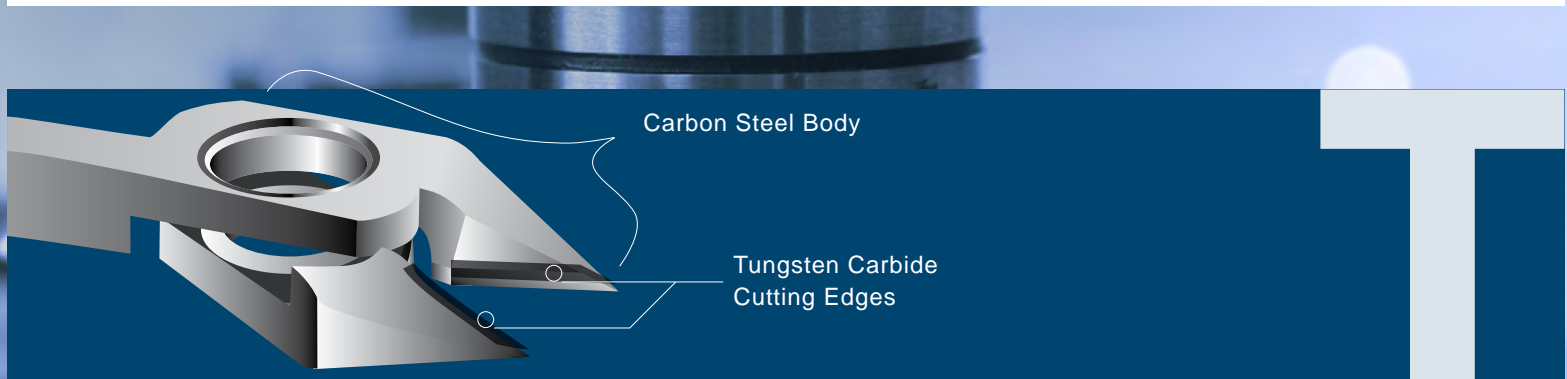
CLASS W & T CUTTERS

MEDICAL DEVICE MANUFACTURING

Tronex hard wire cutters are designed specifically for cutting very fine hard wire typically used in medical device manufacturing. These specialty cutters are often used under a microscope and cut very fine hard wire including Nitinol, Stainless Steel, Elgiloy and Tungsten. These cutters are ideal for cutting stents, catheters and braided mesh used in medical device manufacturing.




- 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 used 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 made 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.

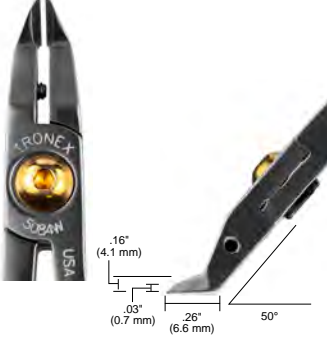
W CUTTERS MADE ENTIRELY FROM TUNGSTEN ALLOY STEEL

50° WIDE HEAD CUTTER




	STANDARD HANDLE
ITEM NO.	5081W
CUTTING EDGE	FLUSH
CUTTING CAPACITY (STEEL WIRE)	.003 in - .007 in 0.08 mm - 0.18 mm 39 - 33 AWG
OAL	4.6 in 117 mm

50° THIN HEAD CUTTER - SLIGHTLY ROUNDED TIPS




	STANDARD HANDLE
ITEM NO.	5084W
CUTTING EDGE	FLUSH
CUTTING CAPACITY (STEEL WIRE)	.003 in - .007 in 0.08 mm - 0.18 mm 39 - 33 AWG
OAL	4.9 in 123 mm

MINIATURE OVAL HEAD CUTTER



	STANDARD HANDLE
ITEM NO.	5312W
CUTTING EDGE	FLUSH
CUTTING CAPACITY (STEEL WIRE)	.003 in - .010 in 0.08 mm - 0.25 mm 39 - 30 AWG
OAL	4.5 in 116 mm


MINIATURE TAPER RELIEF HEAD CUTTER



	STANDARD HANDLE
ITEM NO.	5422W
CUTTING EDGE	FLUSH
CUTTING CAPACITY (STEEL WIRE)	.003 in - .010 in 0.08 mm - 0.25 mm 39 - 30 AWG
OAL	4.6 in 117 mm


T CUTTERS MADE WITH TUNGSTEN CARBIDE INSERTS BRAZED INTO THE CUTTING EDGES

OVAL HEAD CUTTER




	STANDARD HANDLE
ITEM NO.	5112T
CUTTING EDGE	FLUSH
CUTTING CAPACITY (STEEL WIRE)	.008 in - .025 in 0.2 mm - 0.65 mm 32 - 22 AWG
OAL	4.6 in 117 mm

TAPER HEAD CUTTER



	STANDARD HANDLE
ITEM NO.	5212T
CUTTING EDGE	FLUSH
CUTTING CAPACITY (STEEL WIRE)	.008 in - .020 in 0.2 mm - 0.51 mm 32 - 24 AWG
OAL	4.6 in 117 mm

COMPOUND CUTTER



	LONG ERGONOMIC HANDLE	LONG ERGONOMIC HANDLE
ITEM NO.	7011T	7012T
CUTTING EDGE	SEMI-FLUSH	FLUSH
CUTTING CAPACITY (STEEL WIRE)	.012 in - .032 in 0.32 mm - 0.81 mm 28 - 20 AWG	
OAL	6.2 in 157 mm	

TRONEX PLIERS

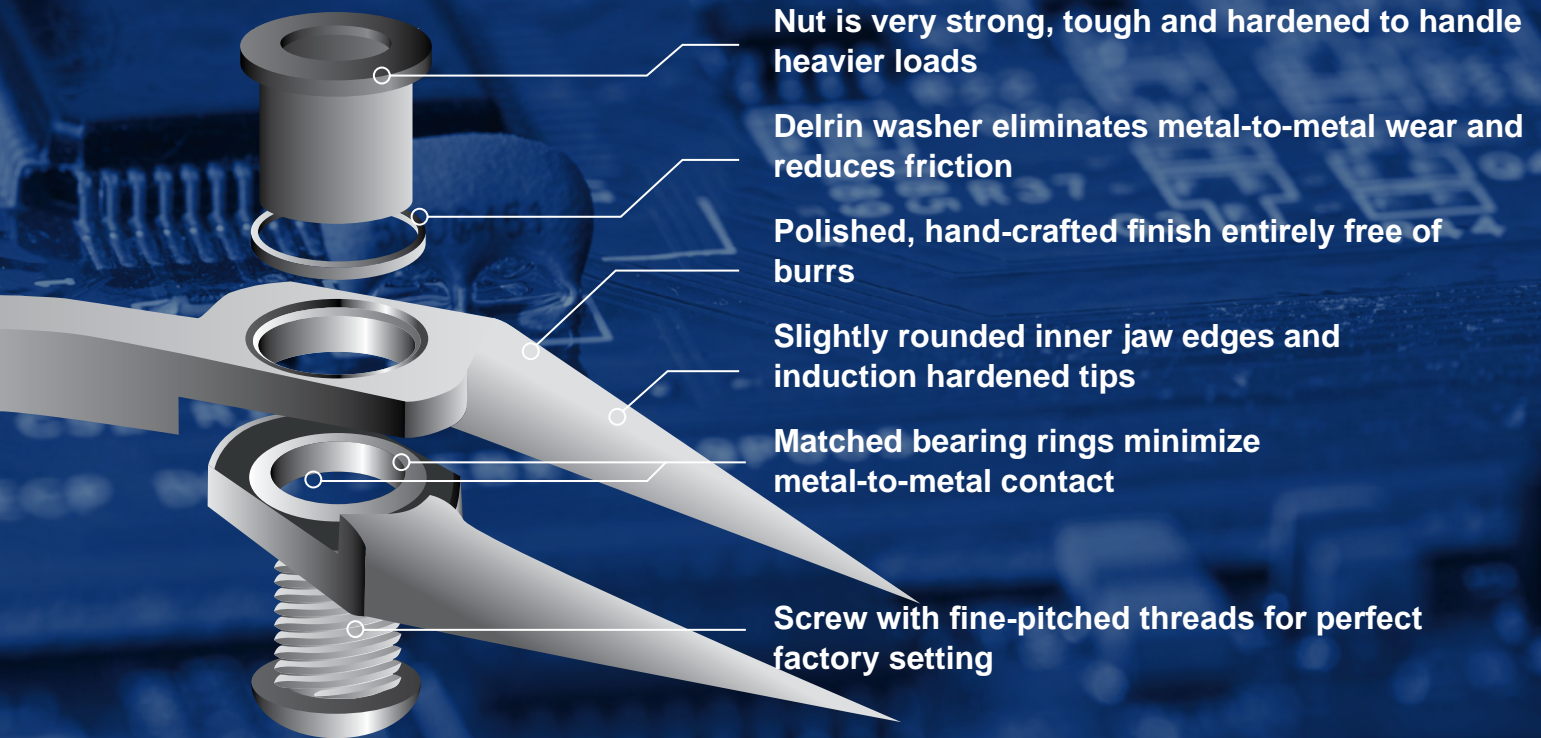
Precision Pliers

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

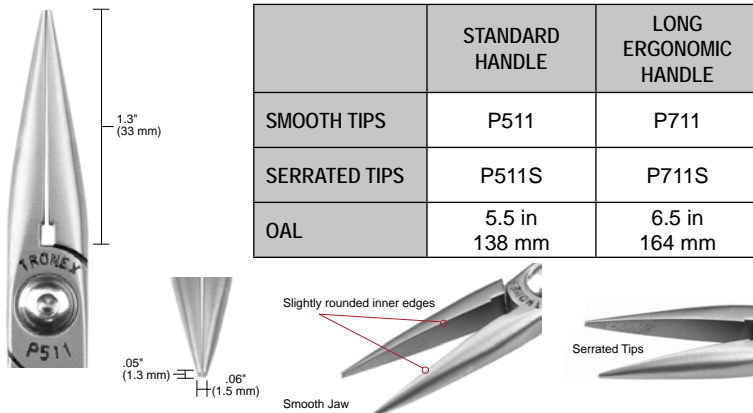
Bearing Ring Lap Joint

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.



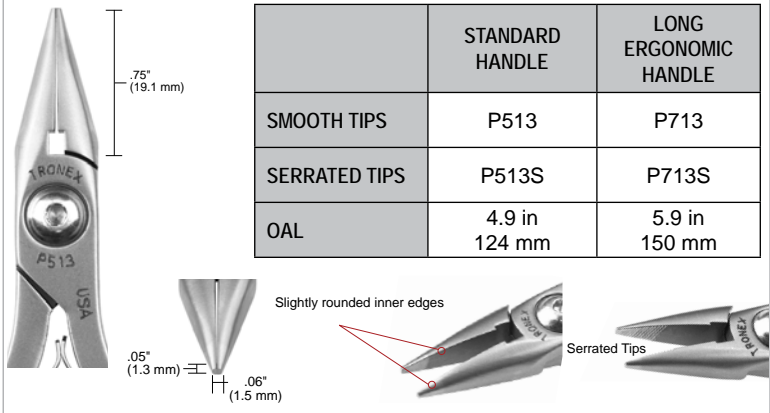
CHAIN NOSE PLIERS

CHAIN NOSE LONG, SMOOTH JAW PLIERS



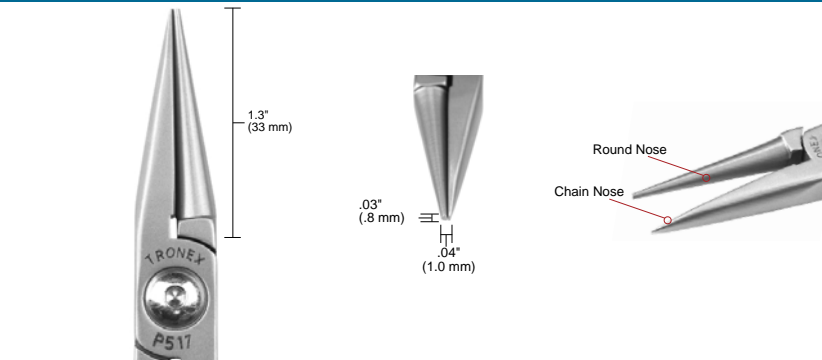
Ultra fine tips pliers for working with extremely fine electronics applications and reaching into confined spaces. Can grip fine leads without marring them. A comfortable alternative to tweezers for certain applications.

CHAIN NOSE SHORT JAW PLIERS



The short jaw provides increased stiffness at the tips to resist deformation when working with heavier gauge wire. Induction hardened tips (60 HRC).

HALF CHAIN NOSE & HALF ROUND NOSE PLIERS

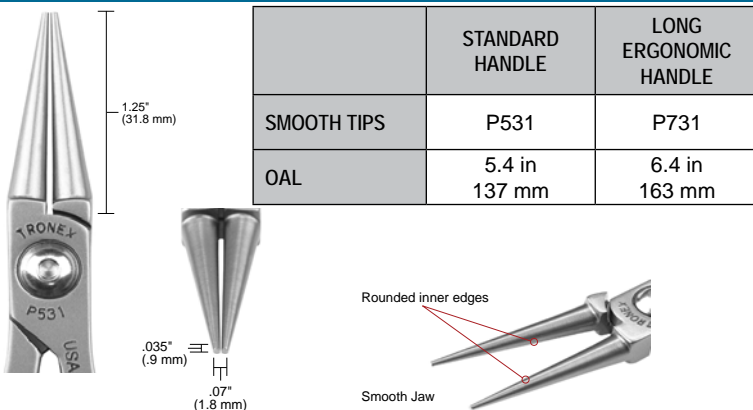


	STANDARD HANDLE	LONG ERGONOMIC HANDLE
SMOOTH TIPS	P517	P717
OAL	5.4 in 137 mm	6.4 in 163 mm

Half Chain Nose and Half Round Nose specialty pliers are used for wrapping and bending wire or leads.

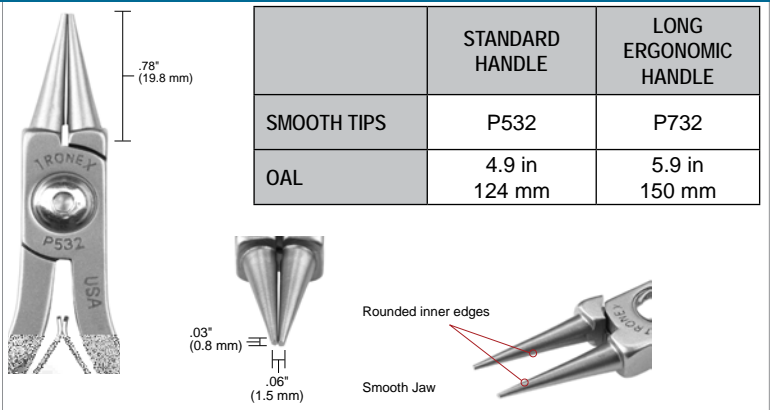
ROUND NOSE PLIERS

ROUND NOSE LONG JAW PLIERS



Round nose pliers are used in electronics and in jewelry making, primarily for making loops. Long Jaws allow for broader range of loop diameters.

ROUND NOSE SHORT JAW PLIERS

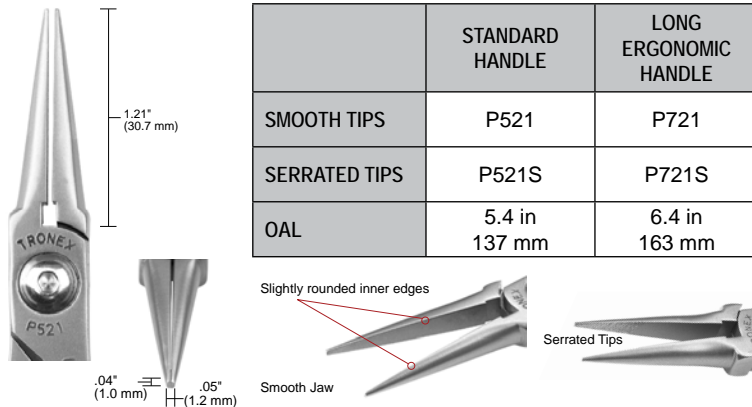


Round nose pliers are used in electronics and in jewelry making, primarily for making loops. Shorter jaws allow for ultra fine looks. Designed for very fine wire. Induction hardened tips (60 HRC).

NEEDLE NOSE & FLAT NOSE PLIERS

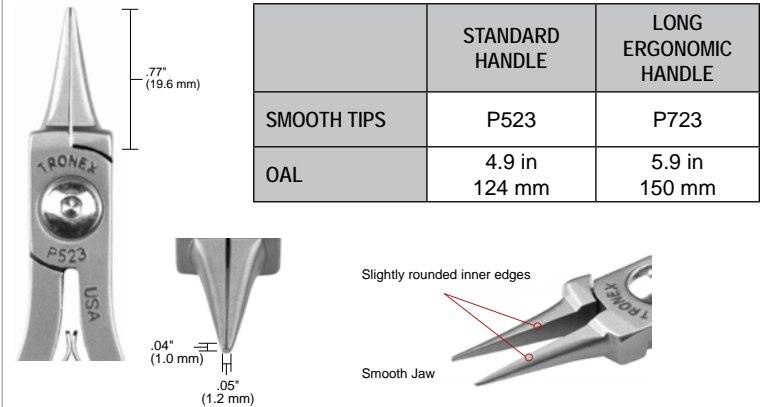
NEEDLE NOSE PLIERS

NEEDLE NOSE LONG SMOOTH JAW PLIERS



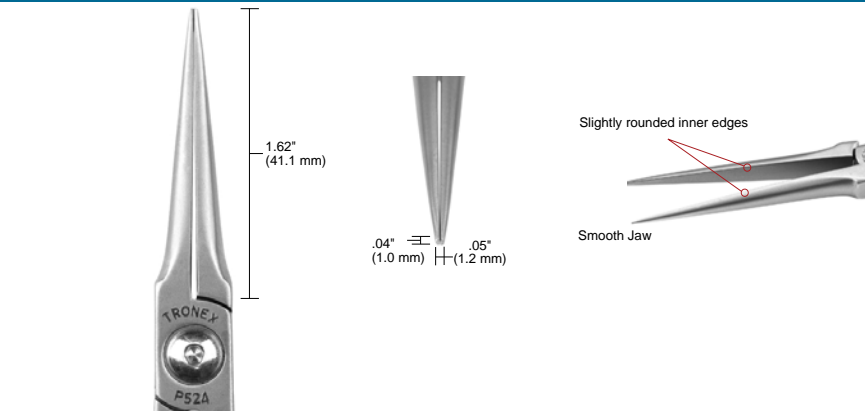
Needle nose pliers are used primarily in fine electronics work. They feature jaws that are machined in thin half cones. This thin profile increases tool access. The cone shape can be used for precision loop forming of leads or wire.

NEEDLE NOSE SHORT JAW PLIERS



Same as our needle nose pliers, but shorter tips. Induction hardened tips (60 HRC).

NEEDLE NOSE EXTRA LONG JAW PLIERS

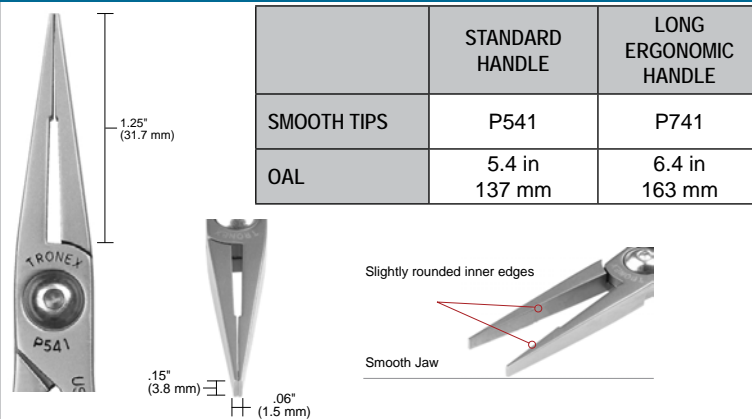


	STANDARD HANDLE	LONG ERGONOMIC HANDLE
SMOOTH TIPS	P524	P724
OAL	5.8 in 147 mm	6.8 in 172 mm

Extra long tips for access into hard to reach spots, .37" longer than our standard needle nose pliers. Originally designed for electronics use.

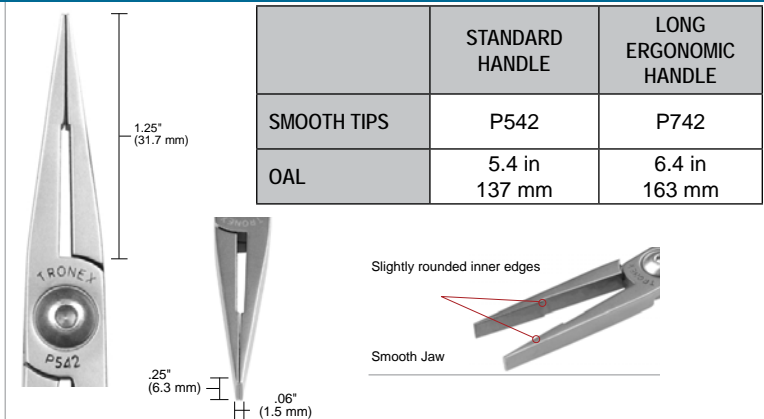
FLAT NOSE PLIERS

FLAT NOSE LONG JAW STEP TIP PLIERS



Flat nose pliers are used for gripping and bending wire.

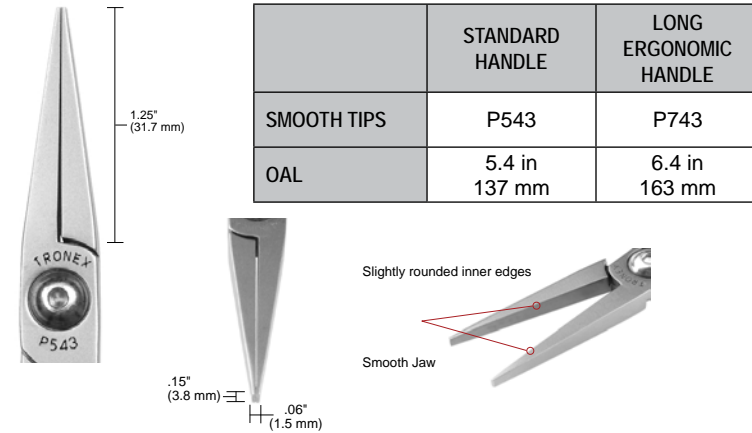
FLAT NOSE WIDE STEP TIP PLIERS



Very similar to Tronex P541/P741 pliers, these pliers have slightly wider tips.

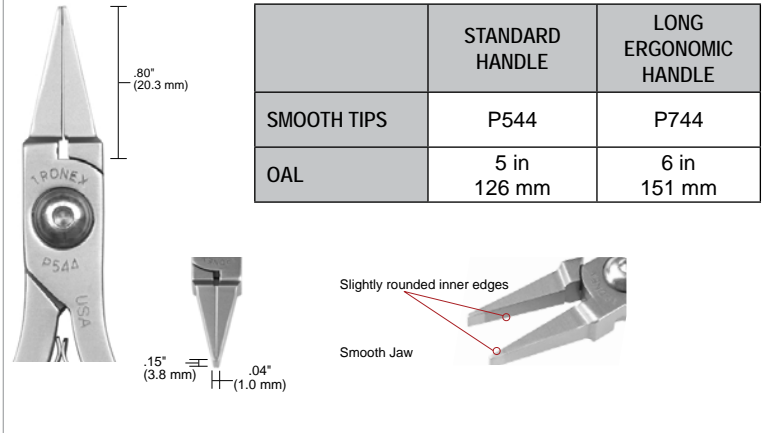
FLAT NOSE & BENT NOSE PLIERS

FLAT NOSE LONG JAW NO STEP PLIERS



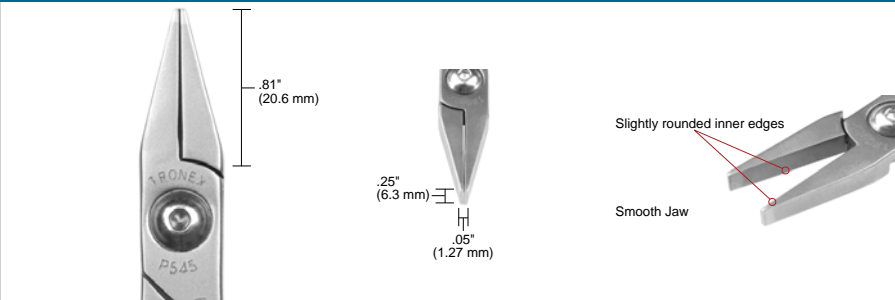
These pliers have a long, smooth jaw without the step at the tip. They also offer extended reaching capability with a long, thin nose.

FLAT NOSE SHORT JAW PLIERS



These very popular pliers offer exceptional leverage with shorter blades. Tips have been heat treated for exceptional hardness (60 HRC).

FLAT NOSE WIDE TIP SHORT JAW PLIERS

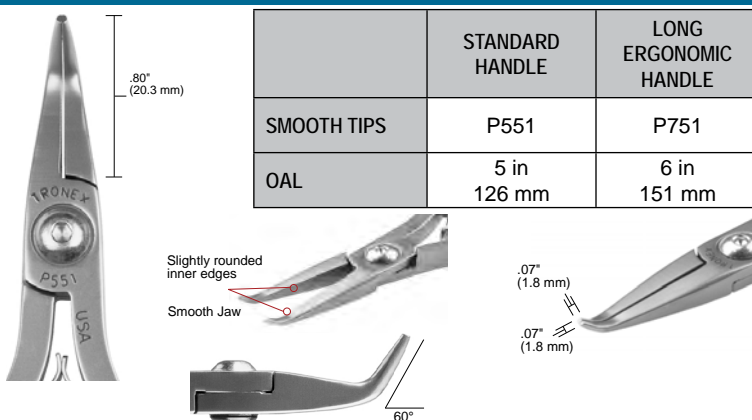


	STANDARD HANDLE	LONG ERGONOMIC HANDLE
SMOOTH TIPS	P545	P745
OAL	5 in 126 mm	6 in 151 mm

Same as P544/P744 pliers, but slightly wider tips. Induction hardened tips (60 HRC).

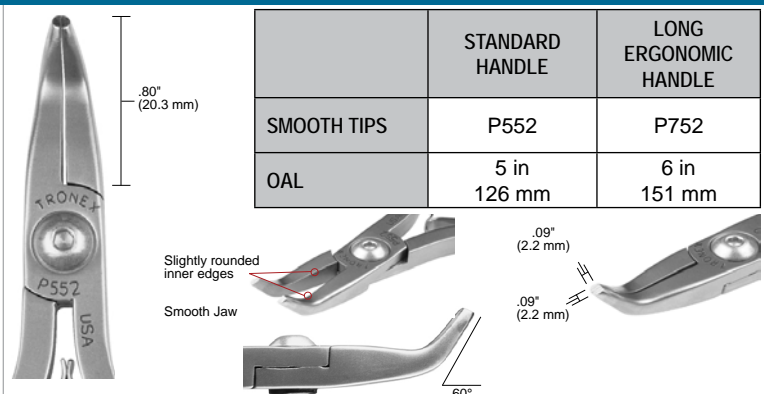
BENT NOSE PLIERS

BENT NOSE 60 DEGREE FINE TIPS PLIERS



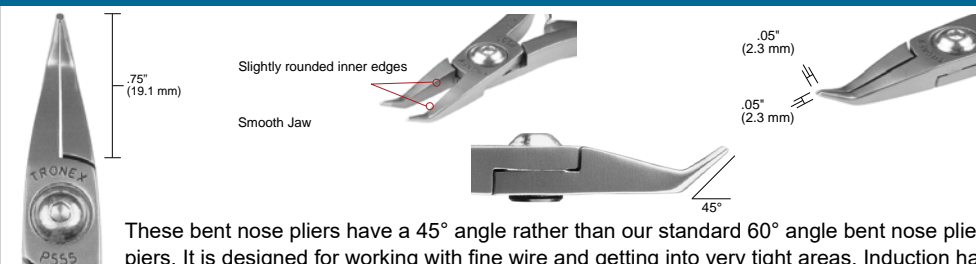
Bent nose pliers are used in electronics where they are often used in place of tweezers. Fine tips on Tronex bent nose pliers provide exceptional access. Bent nose pliers are also used in jewelry making.

BENT NOSE 60 DEGREE STURDY TIPS PLIERS



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).

BENT NOSE 45 DEGREE VERY FINE TIPS PLIERS



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

ABOUT US

The **MENDA** brand name is recognized around the world as the “standard” for finger touch liquid dispensing. MENDA is famous for its high performance line of “dish type” liquid dispenser pumps and bottles, which are widely used in beauty, industrial electronics assembly, clean room and medical applications. MENDA is more than just a dispenser pump and bottle company. The MENDA product offering includes specialty tools, such as Circuitracers®, Probes, Spudgers, ESD Vacuums, Workstation Organizers, ESD Brushes, Fume Extractors, Specialty Vinyl Sealed Products, Identification Badge Holders and more!

EasyBraid is a manufacturer of supplies and equipment used in the PCB assembly industry. EasyBraid strives to deliver a complete solution to quality inspection and repair/rework needs. EasyBraid's desoldering braid is manufactured using environmentally safe chemicals and processed in our Minnesota facility. It is made of clean, oxide-free copper and contains increased surface area (more copper) per square inch, for economical and consistent results. We also offer a wide range of products that include stencil rolls and solder tip cleaners.

TRONEX is a designer and manufacturer of high quality precision hand cutting tools and pliers, also offering tweezers and wire strippers. Tronex strives to deliver a complete solution to quality manufacturing and repair/rework needs. Located near California's Silicon Valley, Tronex initially developed products specifically to meet the demanding needs of the region's high tech electronics industry customers. Over time Tronex has expanded its customer base and expertise beyond the electronics industry and has become an important supplier to customers in a variety of industries all over the world.

MENDA EasyBraid and **TRONEX** have teamed up to offer a complete solution for every workstation.

CONTACT US

MENDA

Request a Sample, Demo or Virtual
Workstation Evaluation!



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