

# TECHNI-PRO



## Cutters & Pliers categories

Cutters and Pliers are made in various shapes and sizes and for many uses. Some are used for gripping something round like a pipe or rod, some are used for twisting wires, and others are designed to be used for a combination of tasks including cutting wire. There are also tools that are used just for cutting wires (as opposed to wire cable and rope). Use the correct pliers or wire cutters for your application.

### CATEGORY DESCRIPTION

#### HIGH PRECISION CUTTERS & PLIERS

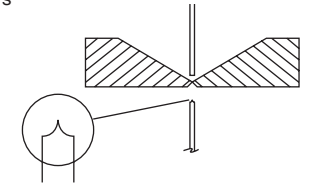


Techni-pro Cutter and Plier Line with Ergonomic Handles

High Precision cutters and pliers are manufactured from high quality ball bearing steel (45 HRC for pliers - 63 HRC for cutters). Features include superior no-scratch/anti-glare satin finish; 2-Component ESD-safe user-friendly Ergonomic handles with a soft, no particulate, comfortable gripping surface; 2 handle size options: Infinity Elite Ergo-Tec Series (E) and Infinity Elite Series (ES) to custom fit your personal preference and application; dual leaf stainless steel springs in standard tension or high tension; lap joint with screw in order to achieve a high level of strength and precision; hardened alloy steel joint screws to resist high cutting load; fine-pitched screw for perfect joint adjustment.

Cutters are available in three cutting blades: SEMI-FLUSH, for soft and hard wire, FLUSH, for very precise cutting of soft wire. FULL-FLUSH, for a perfect cutting of soft wire.

Compression cutter blades meet edge-to-edge, causing a spiked cut. The spike height decreases using a flush or full-flush cutters



#### PRECISION CUTTERS



Lightweight economy cutters

Techni-pro economy cutters are ultra-slender and light weight for easy use in hard-to-reach areas. They offer precision cutting edges, non-slip PVC handles, lifetime return spring and black-burnished finish.

# TECHNI-PRO

## A deep look at HIGH PRECISION C&P - INFINITY ELITE

### WHY INFINITY ELITE C&P SERIES?



ESD SAFE



ERGONOMIC HANDLES

- Newly designed modern state-of-art handles
- Thumb placement design maximizes production
- Ergonomic research and design to reduce repetitive work place injuries
- Two size options to fit larger or smaller hands
- Two spring options: Standard or High tension springs
- Anti-slip rubber surface for better and more comfortable grip with or without gloves
- Rounded design with no edges allow use of tool in any position
- Designed for ease of pick up



ACCESSIBILITY & VISIBILITY (in confined area)

- Flush tool joint increases accessibility into tight spaces
- Infinity Elite Series are designed to increase accessibility and visibility in confined areas



Excellent CUTTING QUALITY



Excellent SURFACE FINISHING



Excellent adjustable JOINT QUALITY



Designed for controlled environments – no particulates



LOT TRACKING

## ERGONOMICS

### INFINITY ELITE SERIES HANDLE

NEW 2017

The new lighter weight Infinity Elite Series are designed especially for smaller hands while providing the same ergonomic, ESD safety standards and technical advantages you expect from Techni-pro.

Upgraded features:

- Revised ergonomic handle to provide enhanced operator comfort and reduce repetitive motion injuries
- Lighter weight
- Better accessibility and visibility in confined areas

#### INFINITY ELITE ERGO-TEC SERIES



#### INFINITY ELITE SERIES

Bi-component ESD-safe ergonomic handles with a soft comfortable gripping surface provide superior operator comfort

Reduced upper winglets for a better accessibility and visibility in confined areas

Anti-slip rubber surface provides a better grip and a more pleasant feel

Perfect thumb position

Rounded handle surface for maximum operator comfort

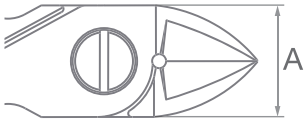
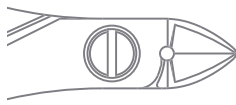
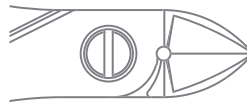

Easier to pick up due to the biscuit shape

Fits perfectly in the palm of the hand due to its rounded anti-slip bottom




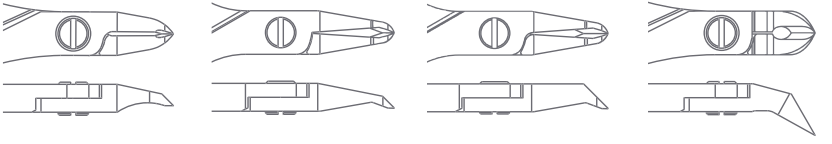
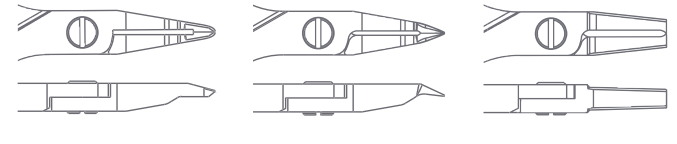


## INFINITY ELITE CUTTERS

### CUTTER HEAD SIZES

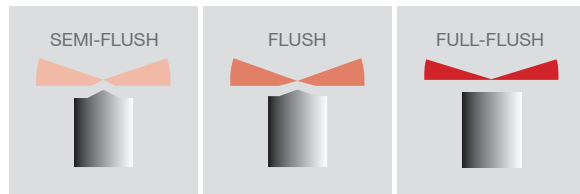
	<p><b>SMALL</b></p>  <p><b>514 / 534 / 554 series</b></p>	<p><b>LARGE</b></p>  <p><b>515 / 535 series</b></p>	<p><b>EXTRA-LARGE</b></p>  <p><b>516 series</b></p>
Width A (mm)	10	12.5	16

### CUTTER HEAD SHAPES

										
Oval Head	Tapered Head	Tapered & Relieved H.	Oblique Head				Special Head			

## INFINITY ELITE CUTTERS




### CUTTING BLADE DEFINITION



### WIRE DEFINITION



- SOFT wire, copper, aluminium, tensile strength 250 MPa
- MEDIUM-HARD wire, stainless steel wire, material 1.4301, tensile strength 800 MPa
- HARD wire, stainless steel wire, material 1.4301, tensile strength 1800 MPa

Art.No		CUTTING CAPACITY		SOFT WIRE	MEDIUM WIRE	HARD WIRE
<b>HIGH PRECISION</b>						
	758PL5140E 758PL5140	SEMI FLUSH	mm	0.2-1.2	0.1-1.0	0.03-0.6
			AWG	32-17	38-18	48-23
	758PL5141E 758PL5141	FLUSH	mm	0.1-1.2	0.1-1.0	
			AWG	38-17	38-18	
	758PL5142E 758PL5142	FULL FLUSH	mm	0.1-1.0	0.1-0.8	
			AWG	38-18	38-20	
	758PL5150E 758PL5150	SEMI FLUSH	mm	0.3-1.6	0.1-1.3	0.03-0.7
			AWG	29-14	38-16	48-21
	758PL5151E 758PL5151	FLUSH	mm	0.2-1.6	0.1-1.2	
			AWG	32-14	38-17	
	758PL5152E 758PL5152	FULL FLUSH	mm	0.2-1.2	0.1-1.0	
			AWG	32-17	38-18	
	758PL5160 758PL5160E	SEMI FLUSH	mm	0.4-2.0	0.3-1.6	0.05-0.9
			AWG	26-12	29-14	44-19
	758PL5161E 758PL5161	FLUSH	mm	0.3-1.6	0.3-1.5	
			AWG	29-14	29-15	
	758PL5162E 758PL5162	FULL FLUSH	mm	0.3-1.6	0.3-1.1	
			AWG	29-14	29-17	
	758PL160E TNP-CTR-HP-ES5160	SEMI FLUSH	mm	0.5-3	0.4-2.5	0.06-1.1
			AWG	24-09	26-10	42-17
	758PL162E	FULL FLUSH	mm	0.4-2.5	0.4-2.0	
			AWG	26-10	26-12	
	758PL5340E 758PL5340	SEMI FLUSH	mm	0.2-1.2	0.1-1.0	0.03-0.6
			AWG	32-17	38-18	48-23
	758PL5341E 758PL5341	FLUSH	mm	0.1-1.2	0.1-1.0	
			AWG	38-17	38-18	
	758PL5342E 758PL5342	FULL FLUSH	mm	0.1-1.0	0.1-0.9	
			AWG	38-18	38-21	
	758PL5350E 758PL5350	SEMI FLUSH	mm	0.3-1.6	0.1-1.2	0.03-0.7
			AWG	29-14	38-17	48-21
	758PL5351E 758PL5351	FLUSH	mm	0.2-1.6	0.1-1.1	
			AWG	32-14	38-18	
	758PL5352E 758PL5352	FULL FLUSH	mm	0.2-1.2	0.1-1.0	
			AWG	32-17	38-18	
	758PL5540E 758PL5540	SEMI FLUSH	mm	0.2-1.2	0.1-1.0	
			AWG	32-17	38-18	
	758PL5541E 758PL5541	FLUSH	mm	0.1-1.2	0.1-0.4	
			AWG	38-17	38-26	
	758PL5542E 758PL5542	FULL FLUSH	mm	0.1-0.8	0.1-0.4	
			AWG	38-20	38-26	

Art.No		CUTTING CAPACITY		SOFT WIRE	MEDIUM WIRE	HARD WIRE
<b>HIGH PRECISION</b>						
	758PL5247E 758PL5247	FULL FLUSH	mm	0.1-1.2	0.1-0.6	
			AWG	38-17	38-23	
	758PL5250 758PL5250E	FULL FLUSH	mm	0.1-0.8	0.1-1.0	
			AWG	32-17	38-18	
	758PL5233E 758PL5233	FULL FLUSH	mm	0.1-0.8	0.1-0.6	
			AWG	38-20	38-23	
	758PL5234E	FULL FLUSH	mm	0.1-0.8	0.1-0.6	
			AWG	38-20	38-23	
	TNP-CTR-HP-ES5235	FULL FLUSH	mm	0.35	0.15	
			AWG	27	34	
	758PL5352 758PL5352E	FULL FLUSH	mm	0.2-1.2	0.1-1.0	
			AWG	32-17	38-18	
	TNP-CTR-HP-ES5441M	FLUSH	mm	0.2-1.2		
			AWG	32-17		

## INFINITY ELITE TUNGSTEN CARBIDE TIP CUTTERS

Infinity Elite Tungsten Carbide Cutters, are specially designed for cutting hard metals. Hard wire cutters can be used on single or multiple filars and for lateral or internal cuts. Typical applications include cutting stents, braided mesh, catheters and guide wires in medical device manufacturing.

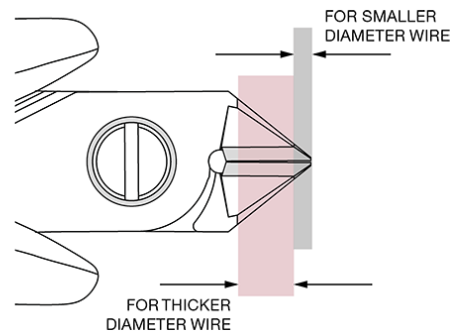
Art.No		CUTTING CAPACITY		SOFT WIRE
<b>TUNGSTEN CARBIDE</b>				
 <b>758PL351E</b> TAPERED	FLUSH	mm	0.1-0.6	
		AWG	38-23	
 <b>TNP-CTR-HP-552G</b> TAPERED & RELIEVED	FULL FLUSH	mm	0.05-0.15	
		AWG	44-34	



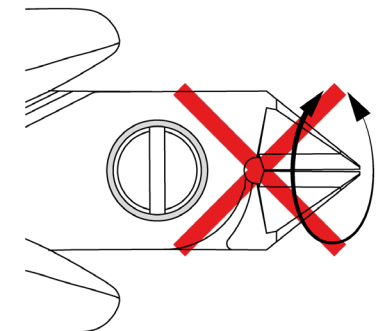
The New ANTI-SHOCK system, on all Techni-pro tungsten carbide tools, prevents blades from crashing together to extend tool life and productivity ensuring a flush cut to a given standoff.

To avoid damaging your Infinity Elite Tungsten Carbide Cutters, please adhere to the following guidelines:

### CUTTING WIRE CAPACITY



### DO NOT TWIST WHEN CUTTING








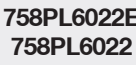
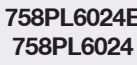
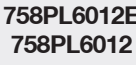
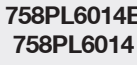


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## INFINITY ELITE PLIERS

Pliers are essential tools for gripping, bending, and shaping metal and wires. Techni-pro pliers are available with smooth or serrated jaws. Smooth jaws ensure that your work will not be nicked or marked by the pliers. Serrated jaws will give you a much firmer grip.

There are numerous styles of pliers, but the most common are: snipe nose, bent nose, needle nose, flat nose and round nose.

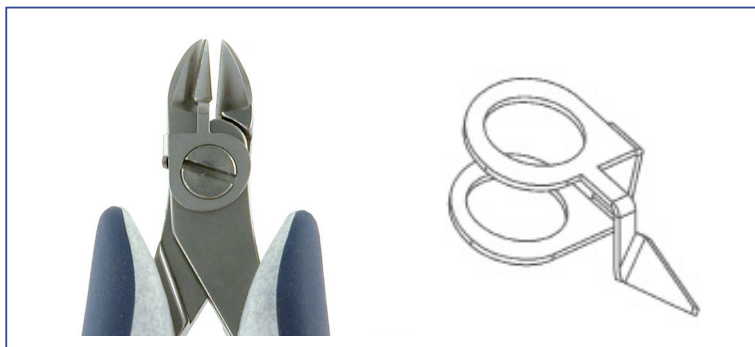
		Pliers						
Jaws	smooth	 758PL6021 758PL6021E	 758PL6023E 758PL6023	 758IE6023	 758PL6025E 758PL6025	 758PL6011E 758PL6011	 758PL6013E 758PL6013	 758PL6041E 758PL6041
	serrated	 758PL6022E 758PL6022	 758PL6024E 758PL6024			 758PL6012E 758PL6012	 758PL6014E 758PL6014	
Type		Snipe Nose	Snipe Nose Long	Bent Nose	Needle Nose	Flat Nose	Flat Nose Long	Round Nose

## WIRE LEAD CATCHER

Wire Lead Catcher, made of stainless steel AISI 304, for Infinity Elite high precision cutters with 10 mm box or 12,5 mm box.

**Wire Lead Catcher fits Oval, Tapered and Tapered & Relieved cutters only.**

Easily snapped in place without disassembling the tool





## HOW TO MAINTAIN YOUR CUTTERS & PLIERS

Infinity Elite Cutters & Pliers are made from high quality ball bearing steel (45 HRC for pliers and 63 HRC for cutters). This material is susceptible to environmental extremes such as high humidity as well as oily or sweaty hands. Soldering fluxes and solvents may also react with tool surfaces.

Infinity Elite Cutters and Pliers are supplied with a tool desiccant pouch to prevent corrosion or surface rust. Techni-pro recommends that you store your tools with the desiccant pouch. This is especially important in a non-controlled environment.

It is recommended that tools be periodically lubricated. Techni-pro recommends a Medicinal white Oil (PARAFFIN OIL PERLIQUIDUM 20 PH.EUR) for its lubricant and corrosion preventive qualities. In addition, it's FDA approved for use in Medical Device facilities.

Should surface corrosion appear on a tool, remove it with 400-grit sandpaper and oil the tool.

