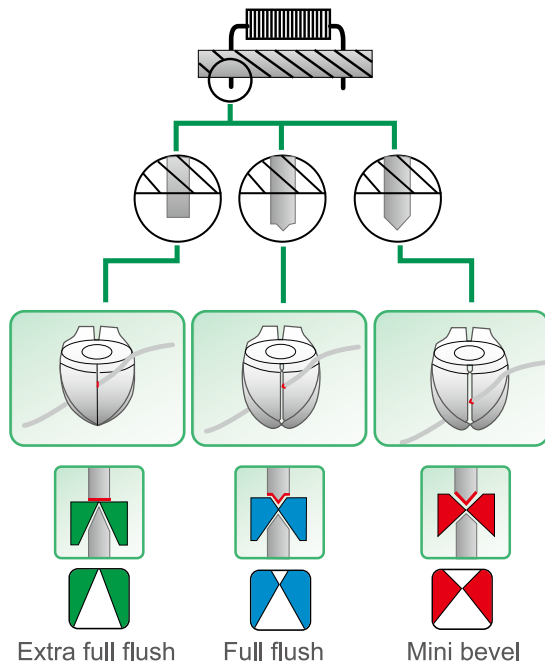


**PRECISION PLIERS & CUTTERS**

**PRECISION PLIERS & CUTTERS**

# Pro'sKit® Precision Pliers

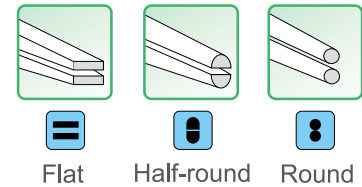
## Cutting edge shapes:



All of Pro'sKit® pliers are made of high quality steel to ensure excellent performance and long life. A variety of materials are used for Pro'sKit® pliers, including: Middle Carbon Steel (S45C, S50C, S55C, SK7, SK5), High Carbon Steel (S60C), High Carbon Tool Steel (SAE1085), Chrome Vanadium Steel (CrV, SAE6168, SAE6150), Chrome-molybdenum Vanadium Steel (SCM440), Stainless Steel (AISI420, 410, 420J2, 420K2).

- The overall lengths of most Precision Pliers range from 90 to 145mm (4" to 5-1/2") and are great for use on flattening, bending, holding and cutting precise electronic components, wires and PCB. They are also popular in the jewelry industry.
- The overall lengths of most Electrical Pliers range from 150 to 230mm (6" to 9"), suited for cutting various kinds of heavy duty metal wires, mainly used in electronic, automobile, building field.

## Basic shapes of jaws :



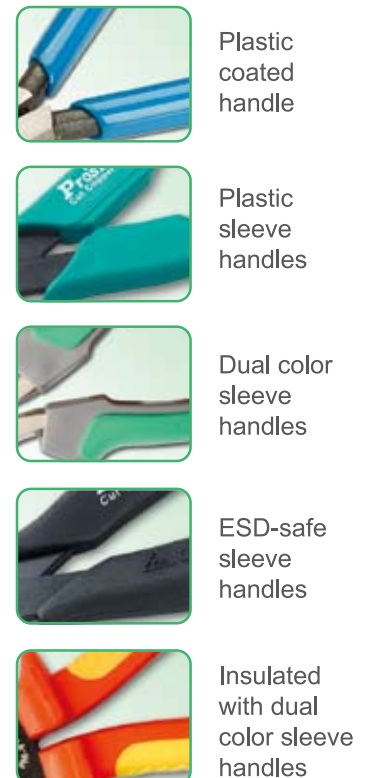
## Gripping surfaces:



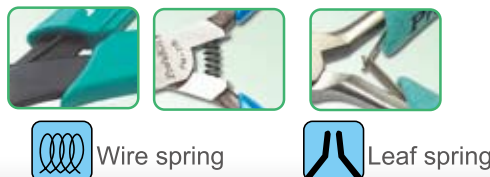
## Finish of Pliers:



## Handles:



## Spring:



# Pliers Technical Basics

## Spring



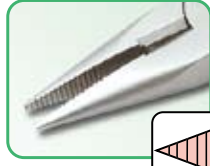
### Wire Spring

Precision pliers with double leaf springs or wire spring to keep the handles always self-opening to supply smooth and efficient operation.



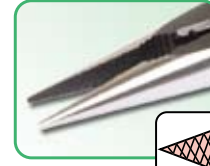
### Leaf spring

## Gripping surfaces



### Serrated

Serrated jaws provide a good grip but serrations can mar jewelry when you exert force excessively.



### Crosswise serrated

Crosswise serrated jaws provide the best grip, suited for pulling and cutting various kinds of heavy duty metal wires whatever in horizontal or vertical angles, but serrations will cause abrasion when exerting force too much.



### Smooth

Smooth jawed pliers are unlikely to mar objects but do not provide good grip. Suited for flattening wire, flattening pins and precision assembly work.

## Shapes of jaws:

- **Flat jaws** : Mainly used in gripping and holding flat or square objects securely and for making angular bends. Insides of jaws may be smooth or serrated. Usually used on electric pliers and electronic flat nose pliers.



- **Half-round jaws** : Mainly used for holding objects, pulling wires and bending wires. Insides of jaws may be smooth or serrated. It is widely used in various needle nose pliers.



- **Round jaws** : Mainly used in making bends, loops, circles, coils from wire or sheet metal. Tapered circular jaws are smooth so that they will not scratch or nick soft metals. It is popular in the jewelry industry



## Cutting edge shapes:



**Without bevel** : This kind of cutting edge shape is usually designed in micro nippers, precision electronic pliers, plastic cutting pliers. Its blade very sharp, suited for cutting soft wire up to Ø1.0mm(AWG 18) .




**Small outside bevel** : This kind of cutting edge shape is usually designed in electronic pliers, suited for cutting soft wire, copper wire from 0.6 to Ø1.2mm (AWG 22 to16) or small components.



**Outside bevel** : It is usually designed in electric pliers, needle pliers, suited for cutting thick copper wire or hard iron wire from Ø 0.8 to Ø1.6mm (AWG 20 to14) or heavy duty metal pins.

## Safety Caution



- When using cutting pliers, please wear protective goggles and gloves and beware of wire ends flying off.
- Each tool should only be used for its specified purpose.
- Only handles marked with the symbol  1000V are insulating.



# Precision Pliers

- High quality carbon steel S45C forged made hardened and finished with nickel plating for corrosion resistance.
- Cutting edge additionally induction-hardened, hardness approx. HRC50°~55°
- Spring-loaded for self-opening action to reduce fatigue during long term operation.
- Dual color, non-slip TPR handles for user comfort and easy operation.
- Particularly designed for electronic and precision field.

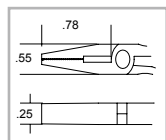
Cutting edge additionally induction-hardened, hardness of HRC50°~55°



Leaf spring or Wire spring Spring-loaded for self-opening action



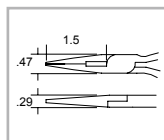
## ▶ PM-731 Mini Lineman's Plier



Unit: inch



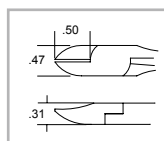
## ▶ PM-736 Long Nose Plier



Unit: inch



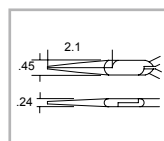
## ▶ PM-737 Diagonal Cutting Plier



Unit: inch



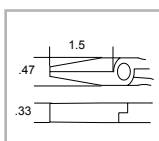
## ▶ PM-746 Needle Nose Plier



Unit: inch



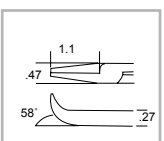
## ▶ PM-754 Flat Nose Plier



Unit: inch



## ▶ PM-755 Bent Nose Plier



Unit: inch

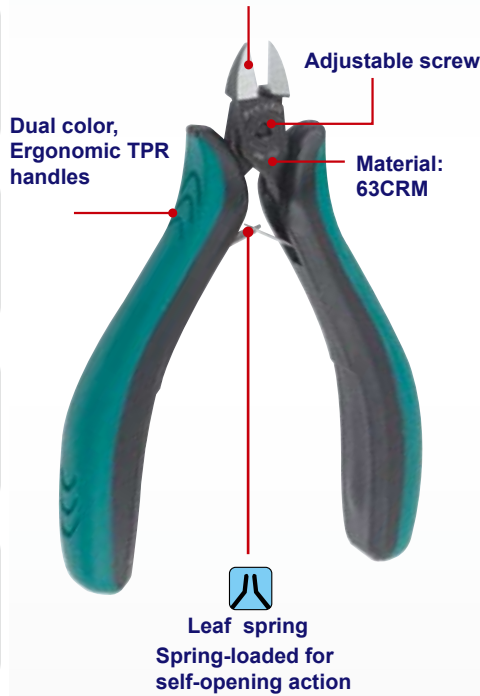


Model No.	Material	HRC	Application	OAL.(mm/inch)	Individual packing
		Cutting edge	Copper		
PM-731	S45C	50°~55°	Ø 1.0mm/18AWG	115/4.5	Blister card
PM-736	S45C	50°~55°	Ø 1.0mm/18AWG	131/5.2	Blister card
PM-737	S45C	50°~55°	Ø 1.0mm/18AWG	108/4.3	Blister card
PM-746	S45C	50°~55°	-	146/5.7	Blister card
PM-754	S45C	50°~55°	-	133/5.2	Blister card
PM-755	S45C	50°~55°	-	131/5.2	Blister card

# Pliers

- Adjustable screw insures precise cuts every time.
- Made of high-quality 63CRM material, precise and durable
- Ergonomic, non-slip handle with dual colors ensures great operator comfort
- Leaf spring, energy saving design for efficient work

Cutting edge: HRC52 $\pm$ 2°



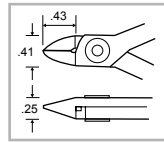
Smooth surface is cut  
(By PM-721/PM-723)



Adjustable screw  
(By PM-721/PM-723)

## PM-721

### Diagonal Semi-Flush Cutting Nipper

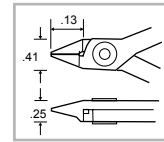


Unit: inch



## PM-723

### Diagonal Flush Cutting Nipper

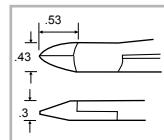


Unit: inch



## PM-727

### Cutting Plier

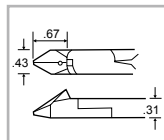


Unit: inch



## PM-728

### Cutting Plier

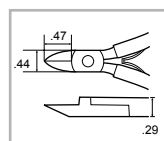


Unit: inch



## 902-078

### 4 1/2" Precision Cutting Plier

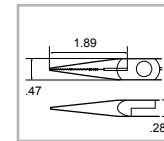


Unit: inch



## 902-079

### 5" Extra Long Nose Plier

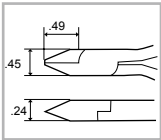


Unit: inch



Model No.	Material	HRC		Application			OAL.(mm/inch)	Individual packing
		Body	Cutting edge	Hard steel	Soft steel	Copper		
PM-721	63CRM	55 $\pm$ 3°	-	-	-	Ø 1.3mm/16AWG	115/4.5	Blister card
PM-723	63CRM	55 $\pm$ 3°	-	-	-	Ø 1.3mm/16AWG	115/4.5	Blister card
PM-727	SAE6050	40 $\pm$ 3°	-	-	-	Ø 1.3mm/16AWG	125/4.9	Blister card
PM-728	SAE6050	40 $\pm$ 3°	-	-	-	Ø 1.3mm/16AWG	130/5.1	Blister card
902-078	AISI 6140	45 $\pm$ 3°	61 $\pm$ 3°	Ø 0.8mm/20AWG	-	Ø 2.0mm/12AWG	120/4.7	Blister card
902-079	AISI 6140	45 $\pm$ 3°	61 $\pm$ 3°	Ø 0.8mm/20AWG	-	Ø 2.0mm/12AWG	155/6.1	Blister card

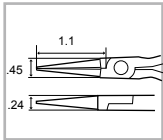
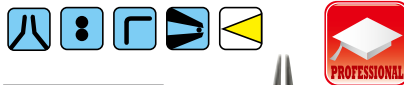
**PM-023CN 4 1/2" Pointed Diagonal Plier**



Unit: inch



**PM-029CN 5" Round Nose Plier**



Unit: inch

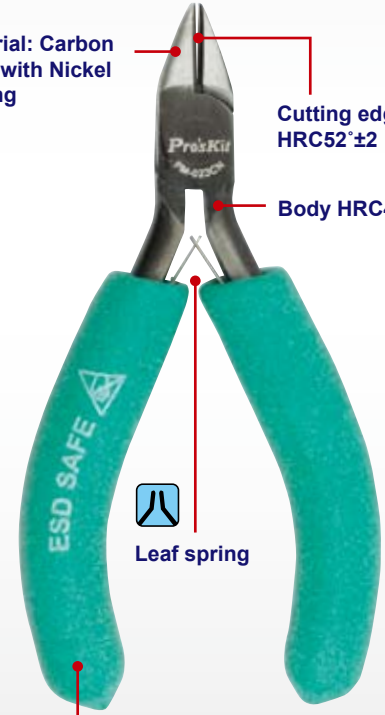


**ESD Safe Pliers and Cutters**



- ESD safe, soft touch handle provides a secure hold.
- Cushioned handle increases user comfort.
- Made of high-quality carbon steel with nickel plating, antitrust for repeated use
- With double leaf springs for self-opening action to supply smooth operation.

**Material: Carbon steel with Nickel Plating**



**Cutting edge HRC52 $\pm$ 2**

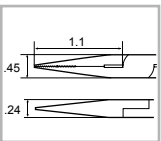
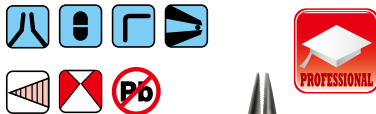
**Body HRC43 $\pm$ 2**

**Leaf spring**



**ESD safe cushioned grips for superior comfort and protection 10<sup>7</sup>-10<sup>9</sup>  $\Omega$**

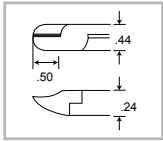
**PM-036CN 5" Snipe Nose Plier**



Unit: inch



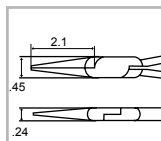
**PM-037CN 4 1/2" Diagonal Cutting Plier**



Unit: inch



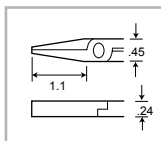
**PM-046CN 6" Needle Nose Plier**



Unit: inch



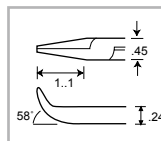
**PM-053CN 5" Flat Nose Plier**



Unit: inch



**PM-055CN 5" Bent Nose Plier**



Unit: inch



**PK-ST902 4 Pc Ergonomic ESD Safe Plier And Cutter Kit**



**Contents**

PM-055CN /PM-023CN/  
PM-037CN/PM-036CN

Model No.	Material	HRC		Application			OAL. (mm/inch)	Individual packing
		Body	Cutting edge	Hard steel	Soft steel	Copper		
PM-023CN	S45C	43 $\pm$ 2'	52 $\pm$ 2'	$\varnothing$ 0.8mm/20AWG	$\varnothing$ 1.3mm/16AWG	$\varnothing$ 1.6mm/14AWG	115/4.5	Blister card
PM-029CN	S45C	43 $\pm$ 2'	-	-	-	-	127/5.0	Blister card
PM-036CN	S45C	43 $\pm$ 2'	52 $\pm$ 2'	$\varnothing$ 0.8mm/20AWG	$\varnothing$ 1.3mm/16AWG	$\varnothing$ 1.6mm/14AWG	127/5.0	Blister card
PM-037CN	S45C	43 $\pm$ 2'	52 $\pm$ 2'	$\varnothing$ 0.8mm/20AWG	$\varnothing$ 1.3mm/16AWG	$\varnothing$ 1.6mm/14AWG	115/4.5	Blister card
PM-046CN	S45C	43 $\pm$ 2'	-	-	-	-	150/5.9	Blister card
PM-053CN	S45C	43 $\pm$ 2'	-	-	-	-	127/5.0	Blister card
PM-055CN	S45C	43 $\pm$ 2'	-	-	-	-	127/5.0	Blister card

TESTERS  
PRECISION PLIERS & CUTTERS  
ELECTRICAL PLIERS & CUTTERS  
KNIVES, SCISSORS & SAWS  
CRIMPERS  
STRIPPERS  
PUNCHDOWN TOOLS  
SOLDERING / ASSEMBLY  
SCREWDRIVERS/ BITS  
HEX KEY/ WRENCHES  
TWEZERS

# Precision Stainless Steel Pliers Mirror Polished

- Made of stainless steel with mirror polished finish
- Leaf springs are spot welded to the tool handles to fix the jaws in a comfortable position
- Forged box joint construction gives strength and precision

Induction Hardened Cutting edges

High grade alloy steel, hot drop forged, oil hardened and tempered for long life and perfect precision work

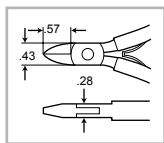
Mirror polished surface, no flaking, no corrosion

Double leaf springs, for user comfort, control and lifetime of service



▶ 200-056

4 1/2" Semi-Flush Diagonal Cutter

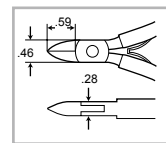


Unit: inch



▶ 200-057

4 1/2" Full-Flush Diagonal Cutter

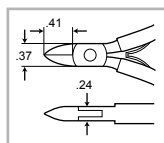


Unit: inch



▶ 200-058

4 1/2" Slim Full Flush Diagonal Cutter

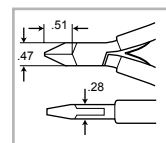


Unit: inch



▶ 200-059

4 1/2" Full-Flush Straight Side Cutter

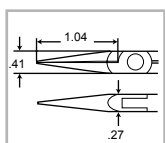


Unit: inch



▶ 100-011

5" Needle-Nosed Plier

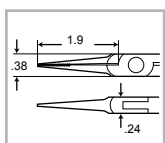


Unit: inch



▶ 100-012

6" Needle-Nosed Plier

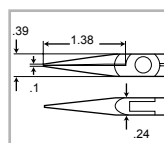


Unit: inch



▶ 100-013

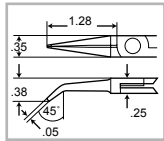
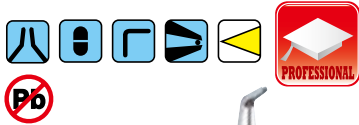
5 1/2" Needle-Nosed Plier



Unit: inch



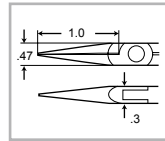
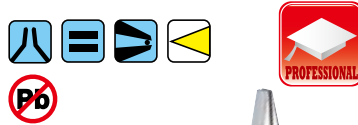
▶ 100-014 5 1/2" Bent-Nosed Plier



Unit: inch



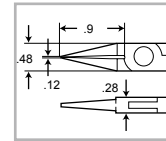
▶ 100-015 5 1/2" Flat-Nosed Plier



Unit: inch



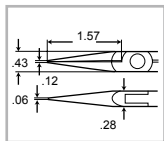
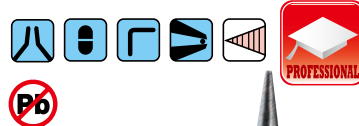
▶ 100-016 5 1/2" Round-Nosed Plier



Unit: inch



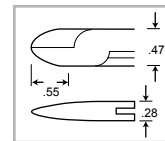
▶ 100-017 6" Needle-Nosed Plier



Unit: inch



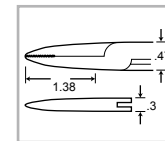
▶ 200-067 5" Side Cutting Plier



Unit: inch



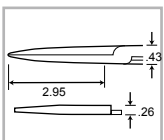
▶ 100-025 5" Long-Nosed Plier



Unit: inch



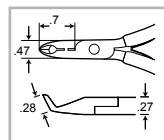
▶ 100-006 7 1/2" Long-Nosed Flat Blade Plier



Unit: inch



▶ 200-060 5" Flush Oblique Cutter Slim Tip Plier



Unit: inch



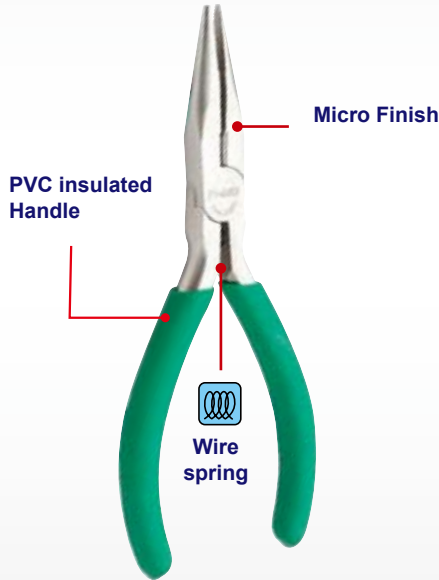
Model No.	Material	HRC	Application			OAL. (mm/inch)	Individual packing
			Body	Hard steel	Soft steel		
200-056	AISI420	45°±3°		Ø 0.8mm /20AWG	Ø 1.3mm /16AWG	Ø 2.0mm /12AWG	110/4.3 Blister card
200-057	AISI420	45°±3°		Ø 0.8mm /20AWG	Ø 1.3mm /16AWG	Ø 2.0mm /12AWG	110/4.3 Blister card
200-058	AISI420	45°±3°		Ø 0.8mm /20AWG	Ø 1.3mm /16AWG	Ø 1.6mm /14AWG	110/4.3 Blister card
200-059	AISI420	45°±3°		Ø 0.8mm /20AWG	Ø 1.3mm /16AWG	Ø 2.0mm /12AWG	110/4.3 Blister card
100-011	AISI410	45°±3°		-	-	-	125/4.9 Blister card
100-012	AISI410	48°±3°		-	-	-	140/5.5 Blister card
100-013	AISI410	48°±3°		-	-	-	135/5.3 Blister card
100-014	AISI410	48°±3°		-	-	-	135/5.3 Blister card
100-015	AISI410	48°±3°		-	-	-	135/5.3 Blister card
100-016	AISI410	48°±3°		-	-	-	130/5.1 Blister card
100-017	AISI410	48°±3°		-	-	-	145/5.7 Blister card
200-067	AISI420	48°±3°		Ø 0.8mm /20AWG	Ø 1.6mm /14AWG	Ø 2.0mm /12AWG	125/4.9 Blister card
100-025	AISI410	48°±3°		-	-	-	140/5.5 Blister card
100-006	AISI410	48°±3°		-	-	-	190/7.5 Blister card
200-060	AISI420	45°±3°		Ø 0.8mm /20AWG	Ø 1.0mm /18AWG	Ø 1.6mm /14AWG	125/4.9 Blister card

TESTERS  
PRECISION PLIERS & CUTTERS  
ELECTRICAL PLIERS & CUTTERS  
KNIVES, SCISSORS & SAWS  
CRIMPERS  
STRIPPERS  
PUNCHDOWN TOOLS  
SOLDERING / ASSEMBLY  
SCREWDRIVERS/ BITS  
HEX KEY/ WRENCHES  
TWEEZERS

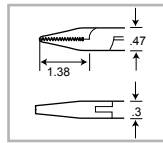
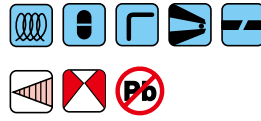


# Electronics Pliers

- Hot drop forged from carbon steel
- All cutting edges are hardened and tempered
- Micro finished, PVC insulated handle



## ▶ 100-003 5" Needle-Nosed Plier

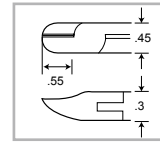
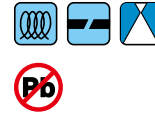


Unit: inch



Cutting capacity:  
 • Hard steel: Ø0.8mm/20AWG  
 • Copper: Ø1.6mm/14AWG

## ▶ 200-037 4 1/2" Diagonal Cutter Plier

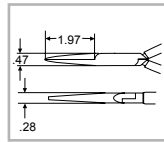
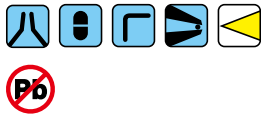


Unit: inch



Cutting capacity:  
 • Hard steel: Ø0.8mm/20AWG  
 • Soft steel: Ø1.3mm/16AWG  
 • Copper: Ø1.6mm/14AWG

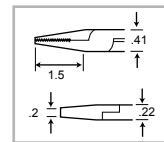
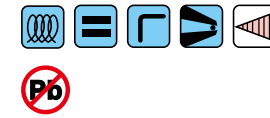
## ▶ 100-042 6" Needle-Nosed Plier



Unit: inch



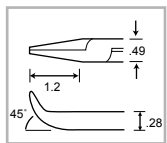
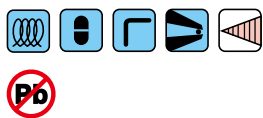
## ▶ 100-044 5" Flat-Nosed Plier



Unit: inch



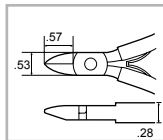
## ▶ 100-004 5" Bent-Nosed Plier



Unit: inch



## ▶ 200-087 5" Heavy Duty Cutter

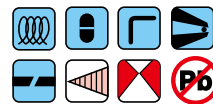


Unit: inch

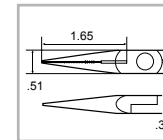


Cutting capacity:  
 Ø0.5mm piano wire (under HRC≤ 45°)

## ▶ 100-040 5 1/2" Long-Nosed Plier



Screw tightening



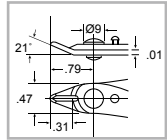
Unit: inch



Cutting capacity:  
 Ø1.2mm piano wire (under HRC≤ 45°)

Model no.	Material	HRC		OAL. (mm/inch)	Individual packing
		Body	Cutting edge		
100-003	S45C	43°±3°	48°±3°	136/5.4	Blister card
200-037	S45C	43°±3°	48°±3°	110/4.3	Blister card
100-042	S45C	43°±3°	45°±3°	150/5.9	Blister card
100-044	S45C	43°±3°	48°±3°	135/5.3	Blister card
100-004	S45C	43°±3°	48°±3°	130/5.1	Blister card
200-087	SAE 6140	45°±3°	62°±3°	125/4.9	Blister card
100-040	SAE 6140	45°±3°	62°±3°	140/5.5	Blister card

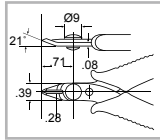
▶ 200-040 5" ESD Safe Micro cutter



Unit: inch



▶ 200-083 5" Clean Cut Micro Nipper

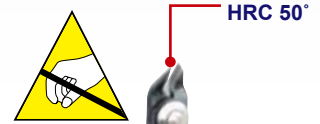


Unit: inch



# Specialty Electronic Pliers Conductive Handle

- Made from high carbon steel. Accurately machined, these high quality precision tools are designed for fine assembling and adjustment operations on electronic circuits.
- Provide for easy work on high density PC board
- Conductive handle (top 4 models only)



Material: SK7  
High carbon steel  
Hardness: HRC 50°±3°



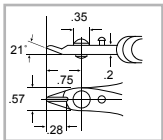
▶ 200-041/200-082 5" ESD Safe Cutter



200-082



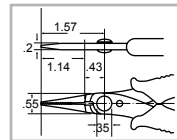
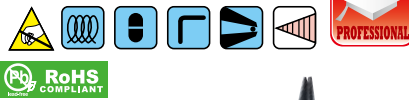
with safety clip



Unit: inch



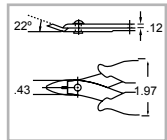
▶ 100-007 5" ESD Safe Plier



Unit: inch



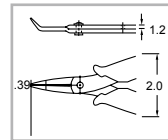
▶ PM-251 Cutting Plier



Unit: inch



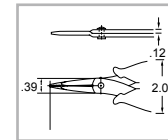
▶ PM-252 4 1/2" Bent Nose Plier



Unit: inch



▶ PM-254 4 1/2" Long Nose Plier



Unit: inch



Model no.	Material	HRC		Application Copper	OAL. (mm/inch)	Individual packing
		Body	Cutting edge			
200-040	SK7	50°±3°	50°±3°	Ø 1.3mm/16AWG	130/5.1	Blister card
200-083	SK7	50°±3°	50°±3°	Ø 0.8mm/20AWG	120/4.7	Blister card
200-041	S50C	50°±3°	50°±3°	Ø 2.0mm/12AWG	125/4.9	Blister card
200-082	S50C	50°±3°	50°±3°	Ø 2.0mm/12AWG	125/4.9	Blister card
100-007	S50C	50°±3°	-	-	140/5.5	Blister card
PM-251	AISI420	48°±3°	-	Ø 1.3mm/16AWG	122/4.8	Blister card
PM-252	AISI420	43°~46°	-	Ø 1.0mm/18AWG	118/4.6	Blister card
PM-254	AISI420	43°~46°	-	Ø 1.0mm/18AWG	118/4.6	Blister card

TESTERS  
PRECISION PLIERS & CUTTERS  
ELECTRICAL PLIERS & CUTTERS  
KNIVES, SCISSORS & SAWS  
CRIMPERS  
STRIPPERS  
PUNCHDOWN TOOLS  
SOLDERING / ASSEMBLY  
SCREWDRIVERS/ BITS  
HEX KEY/ WRENCHES  
TWEZERS

# Specialty Electronics Pliers High quality

- Clean and smooth cutting
- Light for easy operation
- Particularly made for electronic and precision field
- Cut copper wire only

Material: SK7  
High carbon steel  
Hardness: HRC50°

Anti-slip material  
for comfortable  
operation.

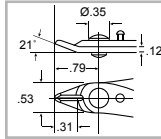
Lanyard hole  
for easy  
carrying

Wire spring



## ▶ 200-002

### 5" Economy Flush Cutter

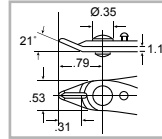


Unit: inch



## ▶ 200-071

### 5" Precision Flush Cutter

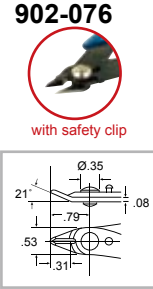


Unit: inch



## ▶ 902-075/902-076

### 5" Micro Cutting Plier

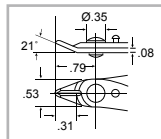


Unit: inch



## ▶ 902-077

### 5" Micro Cutting Plier

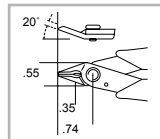
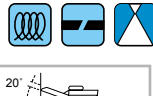


Unit: inch

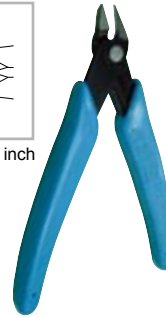


## ▶ 902-011

### 5" Micro Cutter

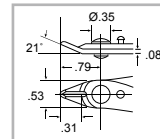


Unit: inch



## ▶ 200-088

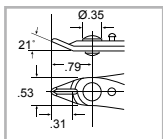
### 5" Micro Cutter



Unit: inch



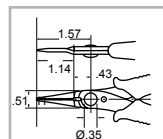
## ▶ 200-092 5" Micro Cutter



Unit: inch



## ▶ 100-046 6" Long-Nosed Plier



Unit: inch



## ▶ 200-080 2 in 1 Wire Stripper/Cutter



Model No.	Material	HRC		Application		OAL. (mm/inch)	Individual packing
		Body	Cutting edge	Soft steel	Copper		
200-002	SK7	50°±3°	50°±3°		Ø1.6mm/14AWG	125/4.9	Blister card
200-071	SK7	50°±3°	50°±3°		Ø1.3mm/16AWG	130/5.1	Blister card
902-075	SK5	50°±3°	50°±3°	Ø0.8mm/20AWG	Ø1.6mm/14AWG	130/5.1	Blister card
902-076	SK5	50°±3°	50°±3°	Ø0.8mm/20AWG	Ø1.6mm/14AWG	130/5.1	Blister card
902-077	SK5	50°±3°	55°±3°	-	Ø1.6mm/14AWG	130/5.1	Blister card
902-011	SK5	48°±3°	-	-	Ø1.2mm/16AWG	125/4.9	Blister card
200-088	SK5	50°±3°	55°±3°	Ø0.8mm/20AWG	Ø1.6mm/14AWG	130/5.1	Blister card
200-092	S55C	55°±3°	60°±3°	-	Ø1.3mm/16AWG	130/5.1	Blister card
100-046	S55C	50°±3°	-	-	-	150/5.9	Blister card
200-080	AISI420	48°±3°	-	Cutter: Ø1.2mm/16AWG Stripper: 0.4~1.6mm <sup>2</sup> (26~14AWG)		130/5.1	Blister card