

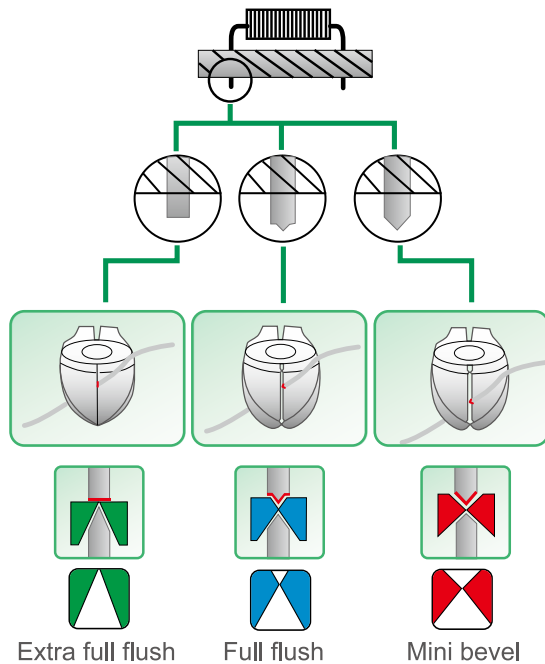


PRECISION PLIERS & CUTTERS

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Pro'sKit® Precision Pliers

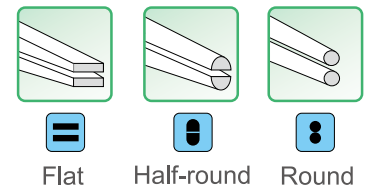
Cutting edge shapes:



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 :



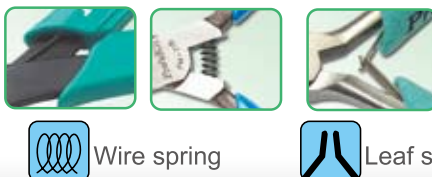
Gripping surfaces:



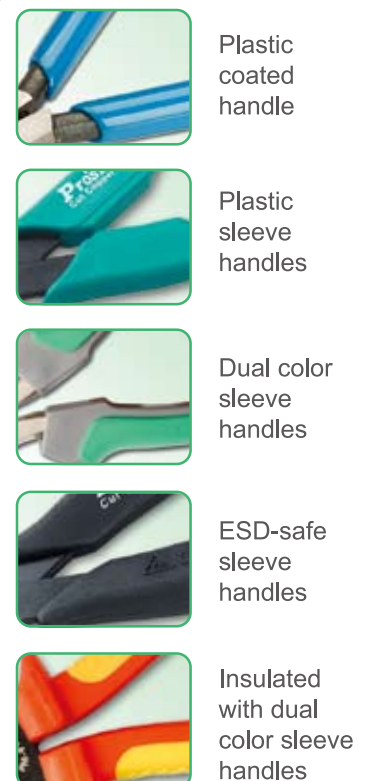
Finish of Pliers:



Spring:



Handles:



Pliers Technical Basics

Spring



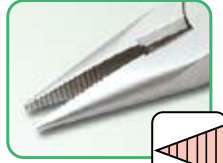
Wire Spring

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

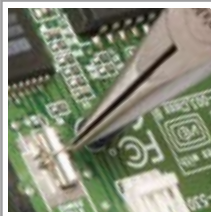
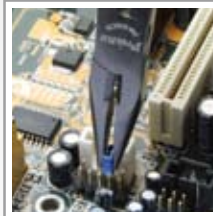
Smooth jawed pliers are unlikely to mar objects but do not provide good grip. Suited for flattening wire, flattening pins and precision assembly work.

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.

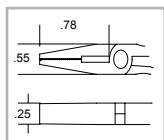
Safety Caution



- 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.



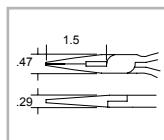
PM-731 Mini Lineman's Plier



Unit: inch



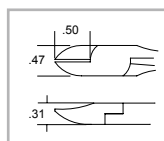
PM-736 Long Nose Plier



Unit: inch



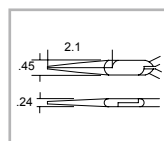
PM-737 Diagonal Cutting Plier



Unit: inch



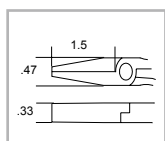
PM-746 Needle Nose Plier



Unit: inch



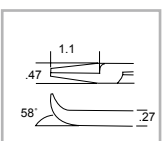
PM-754 Flat Nose Plier



Unit: inch



PM-755 Bent Nose Plier



Unit: inch



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°

Made from S45C with nickel plating for corrosion resistance

Dual color, non-slip TPR handles

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



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

TESTERS

PRECISION PLIERS
& CUTTERS

ELECTRICAL PLIERS
& CUTTERS

KNIVES, SCISSORS
& SAWS

CRIMPERS

STRIPPERS

PUNCHDOWN
TOOLS

SOLDERING /
ASSEMBLY

SCREWDRIVERS/
BITS

HEX KEY/
WRENCHES

TWEEZERS

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°

Adjustable screw

Material:
63CRM

Dual color,
Ergonomic TPR
handles

Leaf spring
Spring-loaded for
self-opening action



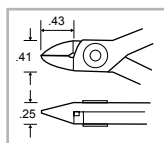
Smooth surface is cut
(By PM-721/PM-723)



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

PM-721

Diagonal Semi-Flush Cutting Nipper

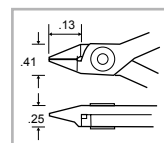


Unit: inch



PM-723

Diagonal Flush Cutting Nipper

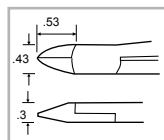


Unit: inch



PM-727

Cutting Plier

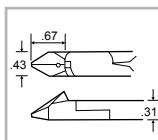


Unit: inch



PM-728

Cutting Plier

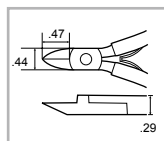


Unit: inch



902-078

4 1/2" Precision Cutting Plier

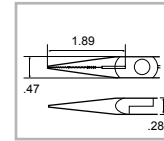


Unit: inch



902-079

5" Extra Long Nose Plier

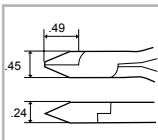


Unit: inch



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

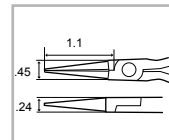
PM-023CN 4 1/2" Pointed Diagonal Plier



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, antirust 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

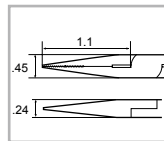


Leaf spring

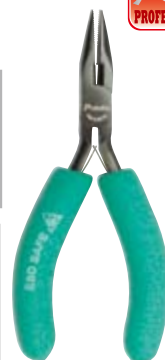


ESD safe cushioned grips for superior comfort and protection 10⁷~10⁹ Ω

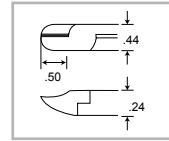
PM-036CN 5" Snipe Nose Plier



Unit: inch



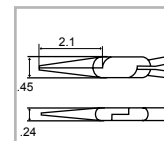
PM-037CN 4 1/2" Diagonal Cutting Plier



Unit: inch



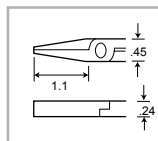
PM-046CN 6" Needle Nose Plier



Unit: inch



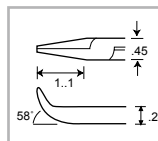
PM-053CN 5" Flat Nose Plier



Unit: inch



PM-055CN 5" Bent Nose Plier



Unit: inch



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°	Ø 0.8mm/20AWG	Ø 1.3mm/16AWG	Ø 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°	Ø 0.8mm/20AWG	Ø 1.3mm/16AWG	Ø 1.6mm/14AWG	127/5.0	Blister card
PM-037CN	S45C	43 $\pm$ 2°	52 $\pm$ 2°	Ø 0.8mm/20AWG	Ø 1.3mm/16AWG	Ø 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

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



Contents

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

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

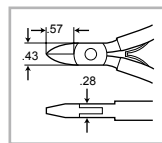
High grade alloy
steel, hot drop
forged, oil hardened
and tempered for
long life and perfect
precision work

Mirror polished
surface, no
flaking, no
corrosion

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



200-056

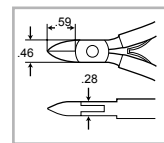


Unit: inch

4 1/2" Semi-Flush
Diagonal Cutter



200-057

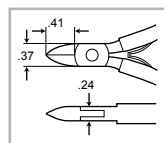


Unit: inch

4 1/2" Full-Flush
Diagonal Cutter



200-058

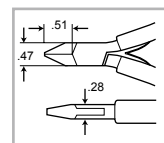


Unit: inch

4 1/2" Slim Full
Flush Diagonal
Cutter



200-059

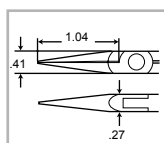


Unit: inch

4 1/2" Full-Flush
Straight Side
Cutter



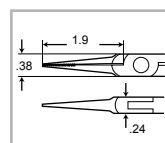
100-011 5" Needle-Nosed
Plier



Unit: inch



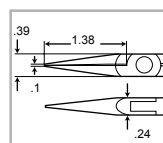
100-012 6" Needle-Nosed
Plier



Unit: inch



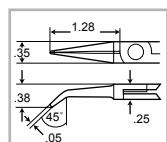
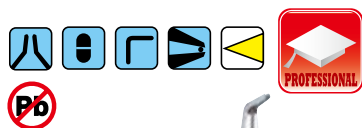
100-013 5 1/2" Needle-
Nosed Plier



Unit: inch



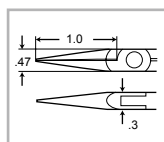
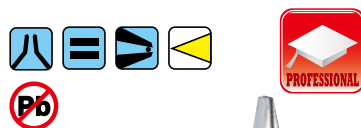
▶ 100-014 5 1/2" Bent-Nosed Plier



Unit: inch



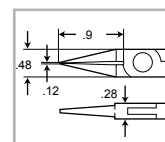
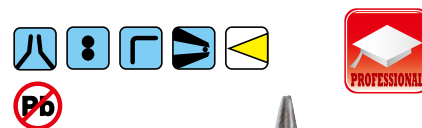
▶ 100-015 5 1/2" Flat-Nosed Plier



Unit: inch



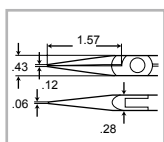
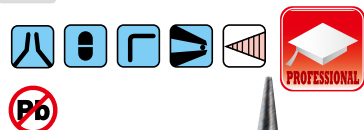
▶ 100-016 5 1/2" Round-Nosed Plier



Unit: inch



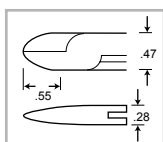
▶ 100-017 6" Needle-Nosed Plier



Unit: inch



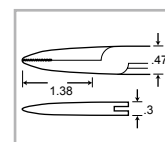
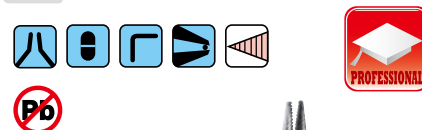
▶ 200-067 5" Side Cutting Plier



Unit: inch



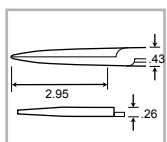
▶ 100-025 5" Long-Nosed Plier



Unit: inch



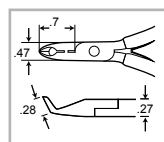
▶ 100-006 7 1/2" Long-Nosed Flat Blade Plier



Unit: inch



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



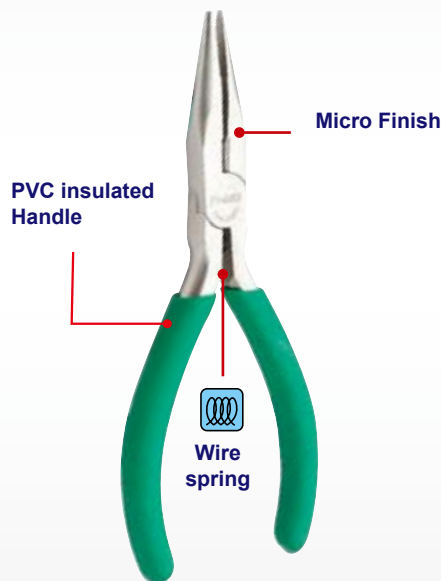
Unit: inch



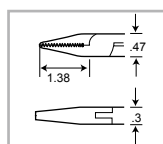
Model No.	Material	HRC Body	Application			OAL. (mm/ inch)	Individual packing
			Hard steel	Soft steel	Copper		
200-056	AISI420	45°±3°	Ø 0.8mm /20AWG	Ø 1.3mm /16AWG	Ø 2.0mm /12AWG	110/4.3	Blister card
200-057	AISI420	45°±3°	Ø 0.8mm /20AWG	Ø 1.3mm /16AWG	Ø 2.0mm /12AWG	110/4.3	Blister card
200-058	AISI420	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

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

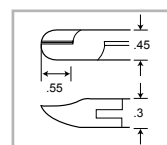


Unit: inch



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

200-037 4 1/2" Diagonal Cutter Plier

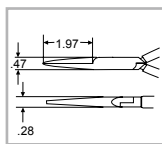
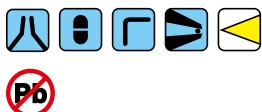


Unit: inch



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

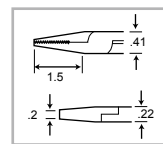
100-042 6" Needle-Nosed Plier



Unit: inch



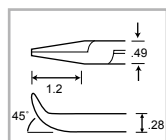
100-044 5" Flat-Nosed Plier



Unit: inch



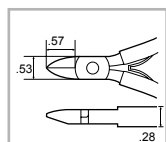
100-004 5" Bent-Nosed Plier



Unit: inch



200-087 5" Heavy Duty Cutter

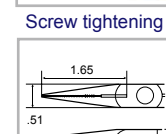
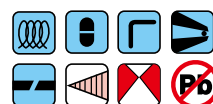


Unit: inch

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



100-040 5 1/2" Long-Nosed Plier



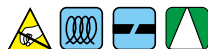
Unit: inch



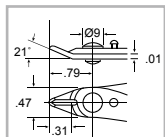
Cutting capacity:
Ø1.2mm piano wire (under HRC≤ 45°)

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



RoHS COMPLIANT



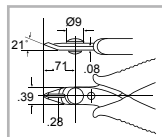
Unit: inch



200-083 5" Clean Cut Micro Nipper



RoHS COMPLIANT



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)



HRC 50*

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



Wire spring



Conductive handle
10³~10⁵Ω



200-041/200-082 5" ESD Safe Cutter



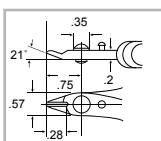
RoHS COMPLIANT



200-082



with safety clip



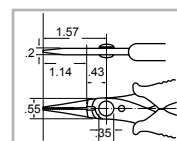
Unit: inch



100-007 5" ESD Safe Plier



RoHS COMPLIANT



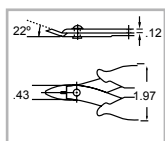
Unit: inch



PM-251 Cutting Plier



RoHS COMPLIANT



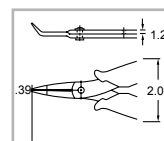
Unit: inch



PM-252 4 1/2" Bent Nose Plier



RoHS COMPLIANT



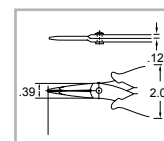
Unit: inch



PM-254 4 1/2" Long Nose Plier



RoHS COMPLIANT



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

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.

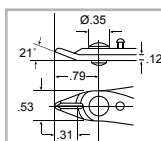
Lanyard hole
for easy
carrying

Wire spring



200-002

5" Economy Flush Cutter

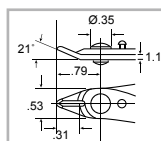


Unit: inch



200-071

5" Precision Flush Cutter



Unit: inch



902-075/902-076

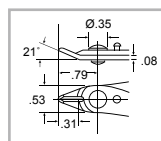
5" Micro Cutting Plier



902-076



with safety clip

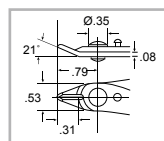


Unit: inch



902-077

5" Micro Cutting Plier

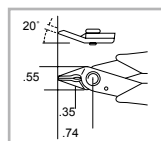


Unit: inch

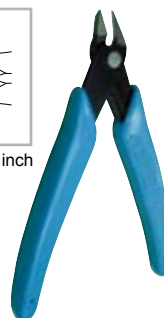


902-011

5" Micro Cutter

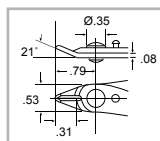


Unit: inch



200-088

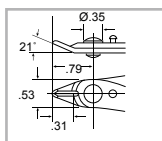
5" Micro Cutter



Unit: inch



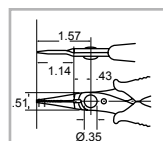
200-092 5" Micro Cutter



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 ² (26~14AWG)		130/5.1	Blister card