



# Miscellaneous



Multi-function tools like Telescopic magnetic pick up tool, Hobby vise, VCR trouble shooter, IC extractor and so on

## PD-151

### 6" Electronic Caliper

- Hardened stainless steel.
- High Quality 6"(150mm), thumb wheel for accuracy and ease with 4 measurement : inside, outside, depth and step.
- Precision-ground and lapped measuring surface.

Material	Range	Accuracy	Weight(g)	Individual Packing
AISI430	0~150mm/0~6"	±0.01mm/0.0005"	325	Plastic Box+Color Label Sleeve



## PD-152

### 6" Metric Dial Caliper

Measure outside, inside and depth on large easy-to-read dial.

Material	Range	Accuracy	Weight(g)	Individual Packing
AISI430	0~150mm	±0.02mm	345	Plastic Box+Color Label Sleeve

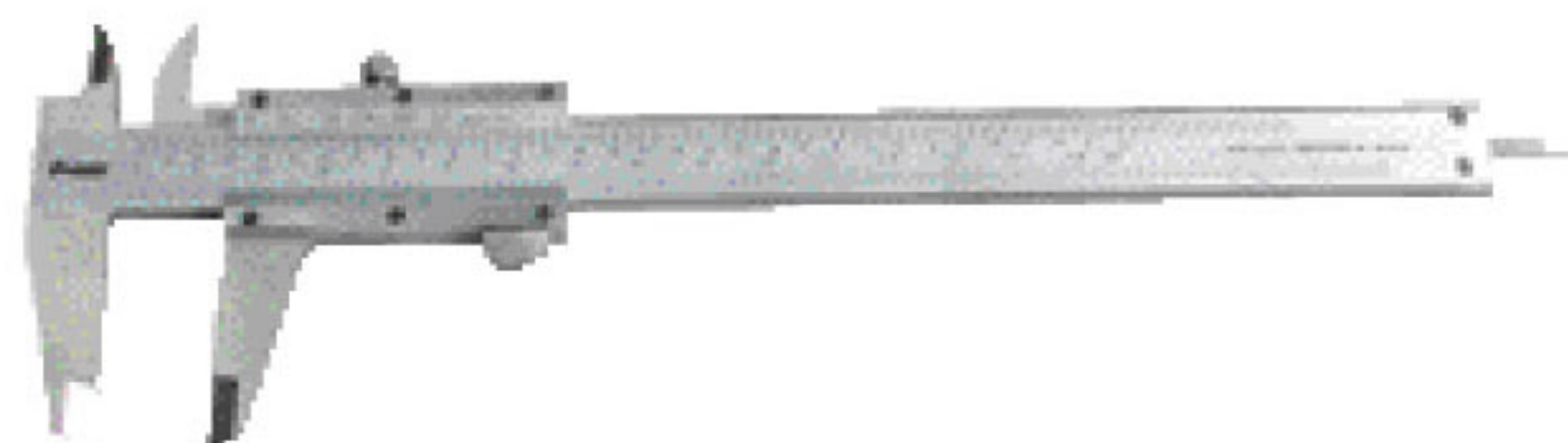


## PD-153

### 6" Standard Caliper

Measure outside, inside and depth on large easy-to-read dial.

Material	Range	Accuracy	Weight(g)	Individual Packing
AISI430	0~150mm/0~6"	±0.02mm/0.001"	300	Plastic Box+Color Label Sleeve

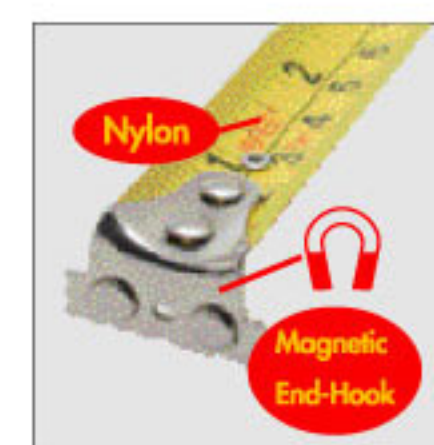


## DK-2040/DK-2041/DK-2042

### Measuring Tape

- Magnetic end-hook for convenient measuring.
- Blade with Nylon coating for easy scale reading and avoiding light reflection.
- Anti-slip and shockproof rubber case.
- Hi-rel power tape.

Model No.	L(Max)	W(Max)	Thick	Weight (g)	Individual Packing
DK-2040	3M/10FT	16.5mm	0.115mm	140	Blister Card
DK-2041	5M/16FT	23mm	0.115mm	215	Blister Card
DK-2042	7.5M/25FT	24.5mm	0.11mm	430	Blister Card



## 8PK-H010N

### 2 in 1 10" Adjustable Wrench

The new designed combines groove pliers and adjustable wrench in one compact unit with fast change system, just push the screw and you can change the jaws in a second. For the highest functionality and user comfort Chrome finish.

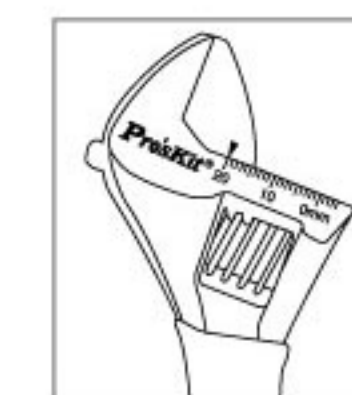
Weight (g)	Individual Packing
249.5±5	Blister Card



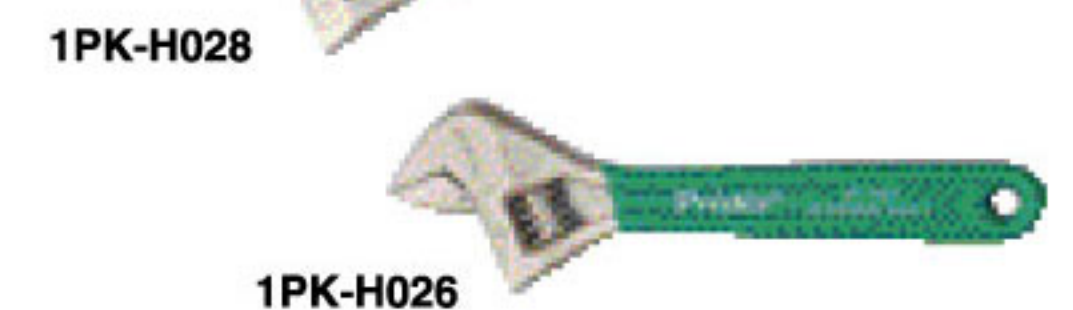
## HW-010/012/1PK-H024/26/28

### Adjustable Wrenches

- Economy type
- Knurled adjustable screw
- Drop forged
- Insulated handles



Model No.	Jaw open (Max)	OAL.	Weight (g)	Individual packing
1PK-H024	1/2"(13mm)		57.6±3	Blister Card
1PK-H026	13/16"(20mm)	6"(150mm)	130±5	
1PK-H028	1"(25mm)	8"(200mm)	249±5	
HW-010	1 3/16"(30mm)	10"(250mm)	415±10	Hanger
HW-012	1 7/16"(36mm)	12"(300mm)	645±10	



## HW-608A/B

### 10PCS Electronic Combination Wrench

HW-608A	Closed end	7/16", 11/32", 3/8", 9/32", 5/16", 1/4", 15/64", 7/32", 5/32", 3/16"
	Open end	3/8", 5/16", 11/32", 1/4", 9/32", 15/64", 7/32", 13/64", 3/16", 5/32"
HW-608B	Closed end	11, 10, 9, 8, 7, 6, 6, 5.5, 4.5, 4mm
	Open end	10, 9, 8, 7, 6, 5.5, 5, 5, 4, 4.5mm

Weight (g)	Individual Packing
120	Pouch

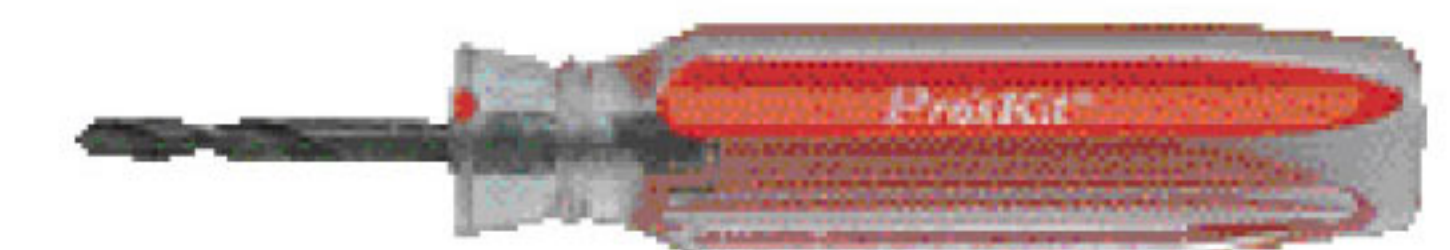
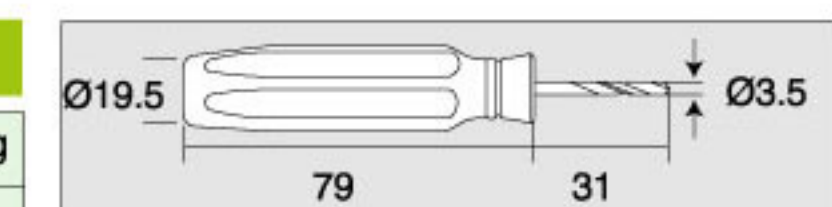


## 1PK-H064

### Precision Hand Drill

Good for light precision drilling or deburring. Made from high speed steel Diameter: Ø3.5mm Working length: 31mm

Weight (g)	Individual Packing
37.6±2	Blister Card



## 8PK-H081

### Automatic Center Punch

For repetitive punching or riveting. Adjustable for light or heavy strokes.

Weight (g)	Individual Packing
106±3	Blister Card



High carbond steel





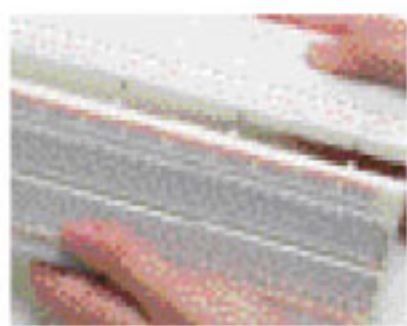


**BX-4112**

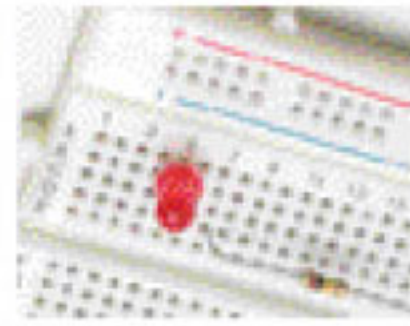
**Round Hole Bread Board**

**Features:**

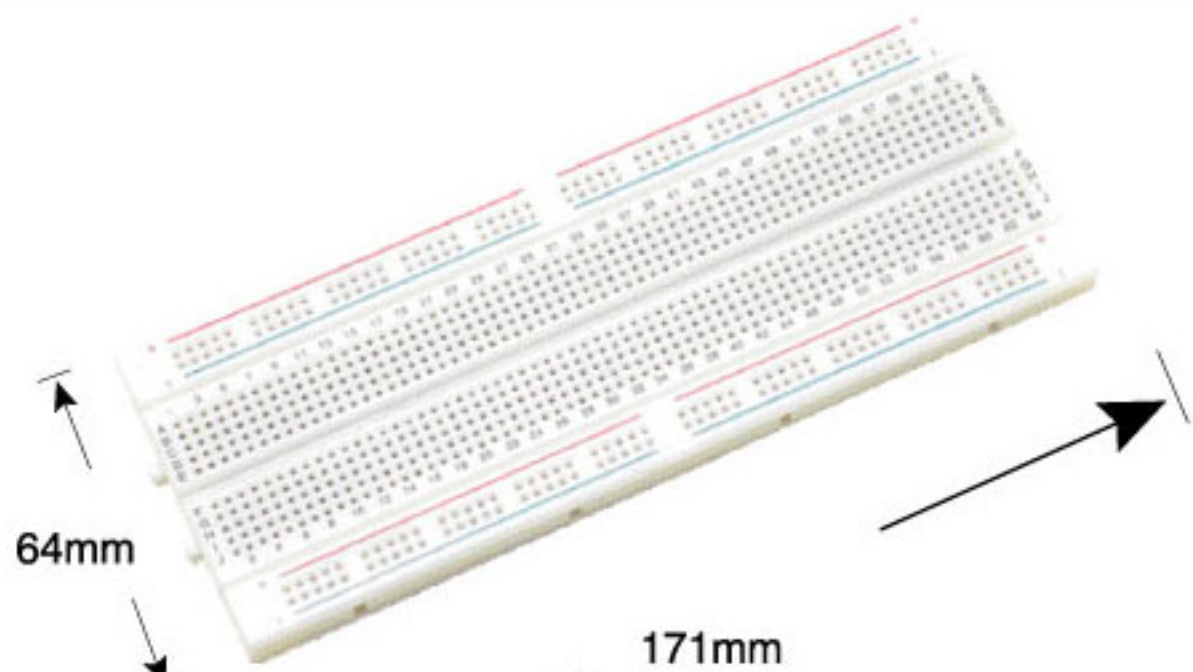
- 840 tie points
- Round hole designed for easy plug and pull
- Expandable by combining several boards together to meet your different requirement
- Wearproof material made of ABS & phosphor bronze with good flexibility and electric conductivity



Excellent expandability



Friendly graduations



**840 tie points**

**Application:**  
Used as a simulated layout for R&D and students.

Weight (g)	Individual Packing
132	Blister Card

**BX-4123**

**Round Hole Bread Board**

**Application:**

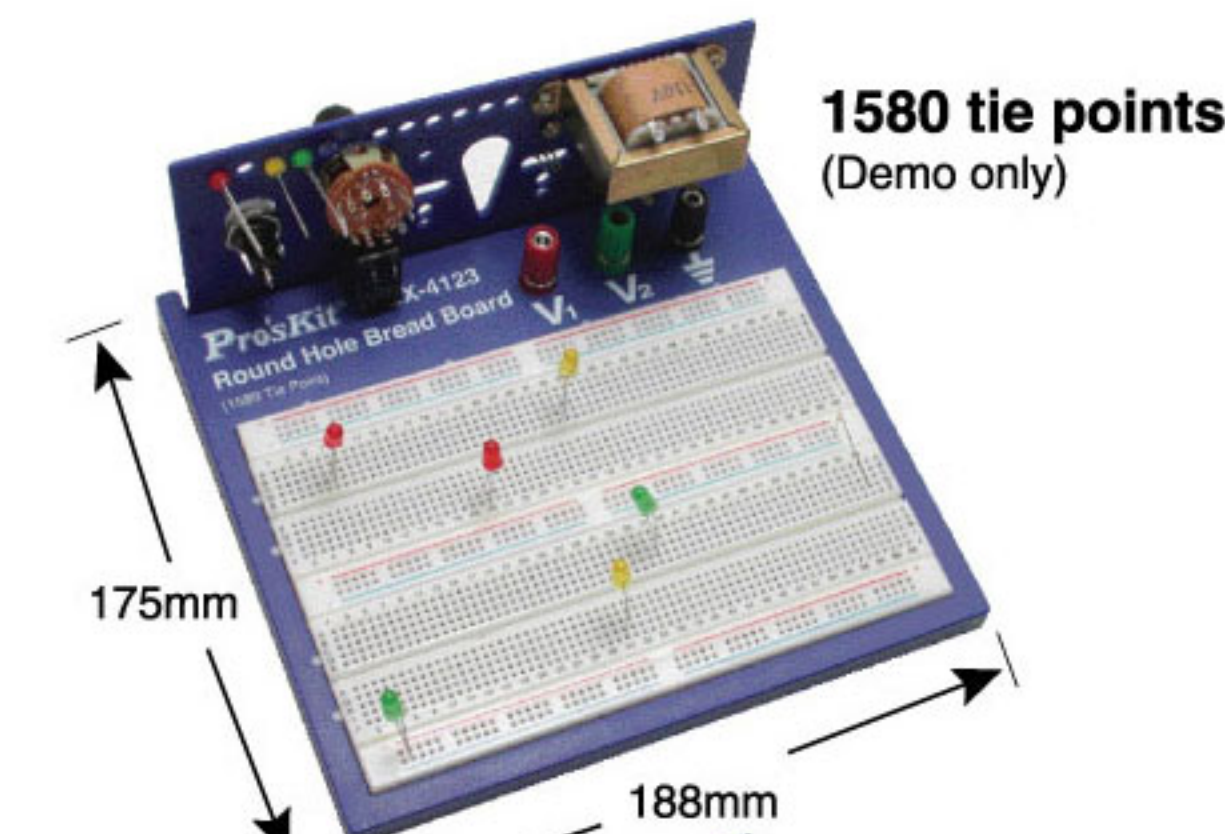
Used as a simulated layout for R&D and students.

**Features:**

- The edge plate can easy fold up (convenience your work)
- 1580 tie points
- Round hole designed for easy plug and pull
- Expandable by combining several boards together to meet your different requirement
- Wearproof material made of ABS & phosphor bronze with good flexibility and electric conductivity



Edge plate can easy fold up



**1580 tie points**  
(Demo only)

Weight (g)	Individual Packing
380	Blister Card

TAIWAN PATENT NO. 215526  
CHINA PATENT ZL 03231122.2

**BX-4135**

**Round Hole Bread Board**

**Application:**

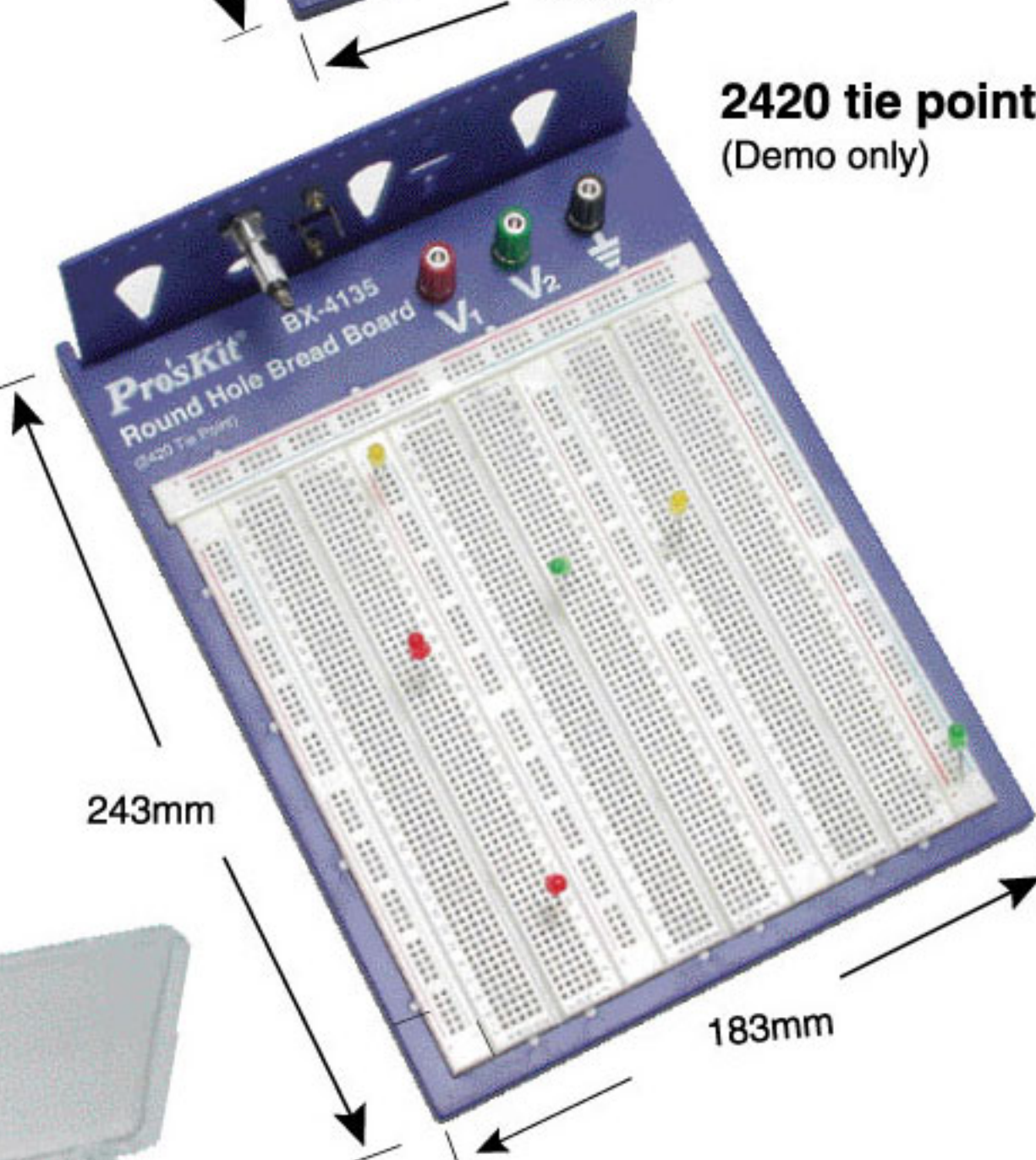
Used as a simulated layout for R&D and students.

**Features:**

- The edge plate can easy fold up (convenience your work)
- 2420 tie points
- Round hole designed for easy plug and pull
- Expandable by combining several boards together to meet your different requirement
- Wearproof material made of ABS & phosphor bronze with good flexibility and electric conductivity



Edge plate can easy fold up



**2420 tie points**  
(Demo only)

Weight (g)	Individual Packing
565	Blister Card

TAIWAN PATENT NO. 215526  
CHINA PATENT ZL 03231122.2

**OP-E070**

**Bread Board Accessory**

- 70pcs of 22 AWG solid wires
- Pre-cut, Pre Stripped and Pre-formed on each end.
- Variety of colors
- Completely Reusable
- 14 lengths x 5pcs each
- (2,5,7,10,12,15,17,20,22,25,50,75,100 and 125mm)



Weight (g)	Individual Packing
72	Poly Bag + Hanger

**OP-E350**

**Bread Board Accessory**

- 350pcs of 22 AWG solid wires
- Pre-cut, Pre Stripped and Pre-formed on each end.
- Variety of colors
- Completely Reusable
- 14 lengths x 25pcs each
- (2,5,7,10,12,15,17,20,22,25,50,75,100 and 125mm)



Weight (g)	Individual Packing
286	Poly Bag + Hanger

**1PK-122**

**Vacuum Pick-up Tool**

The hand-held SMD vacuum pickup tool is ideal for picking up and moving electronic components, large or small. With fountain pen dimensions. It fits easily into your hand or pocket. And its new high-power probes have longer holding action.

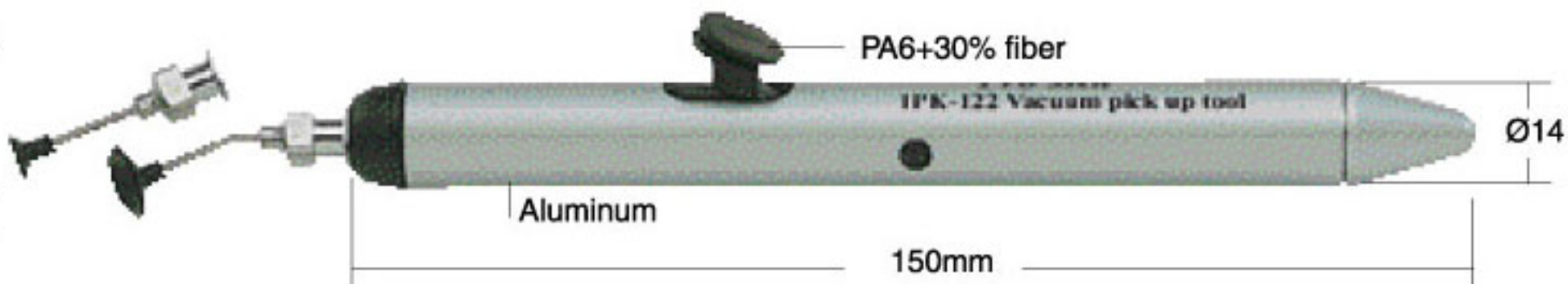
**Function:**

Lightweight, portable and suitable for the picking and placing small components weighing up to 50 gram and having a flat surface, dilly packages and surface mount components, etc.

**Operation:**

Held like a pen, the Vacuum is operated by a simple press and supplied with 2 angled and 3 straight pick-up hands with a choice of 4mm,6mm or 10mm cap diameters

- Replacement caps: ( 3 Pcs )



Weight (g)	Individual Packing
122.5	Color Box

**MS-121**

**Vacuum Pick-up Tool**

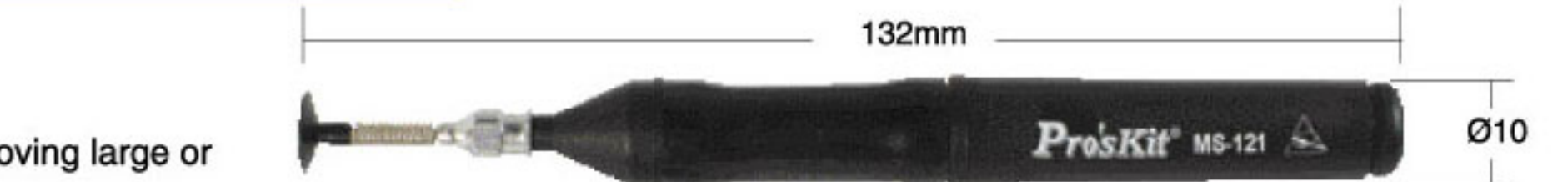
**Function:**

- The hand-held SMD vacuum pick up tool is ideal for picking up and moving large or small electronic components.
- Lightweight, portable and suitable for the picking and placing small components weight to up 50 grams and having a flat surface, dilly packages and surface mount components, etc. And its new high-power probes have longer holding action.
- To add spring into needle between cap and main body for avoiding needle go-through the cap.

**Operation:**

- Held like a pen, the vacuum is operated by a simple press and supplied with 2 angled and 3 straight pick-up hands with a choice 4.5mm, 7.3mm, or 10mm cap diameters.

- Economic type

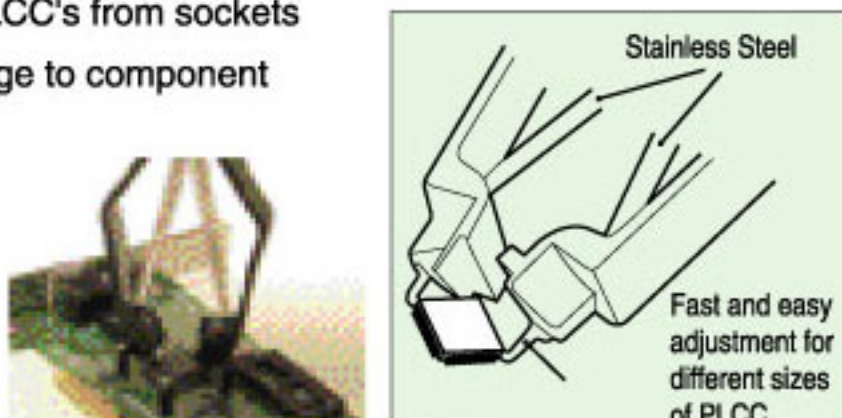


Weight (g)	Individual Packing
32	Blister Card

**8PK-610 / PD-610**

**PLCC Extractor**

A spring assisted chip carrier extraction tool, specially designed for the safe removal of PLCC's from sockets without damage to component parts.



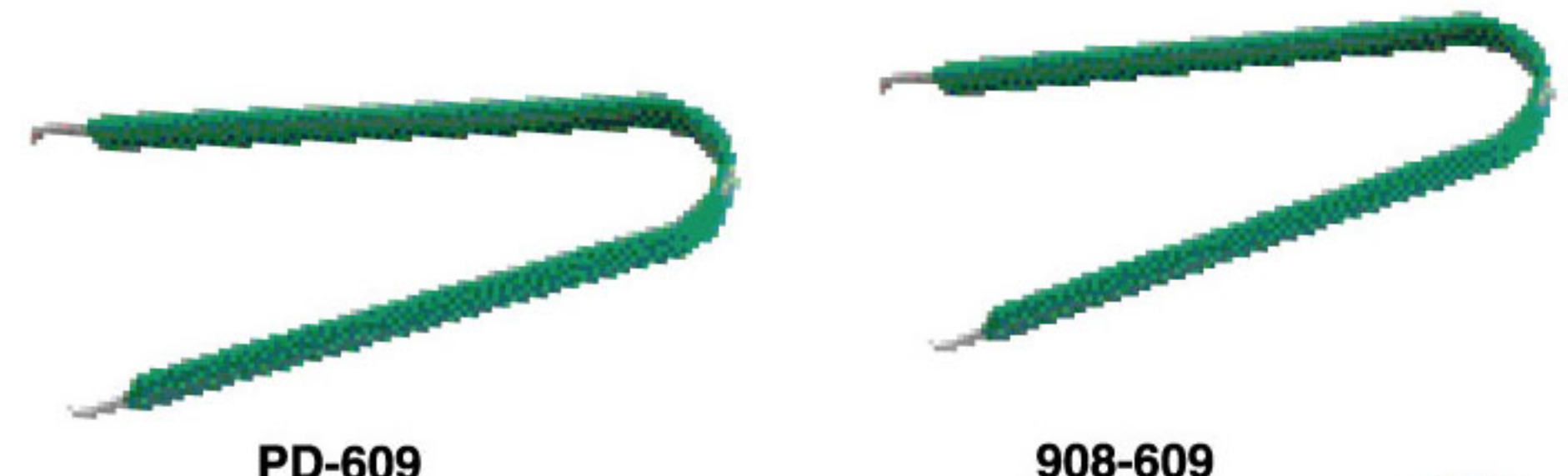
Model No.	Weight (g)	Individual Packing
8PK-610	32.6±2	Blister Card
PD-610	37.2	

**PD-609/908-609**

**IC Extractor**

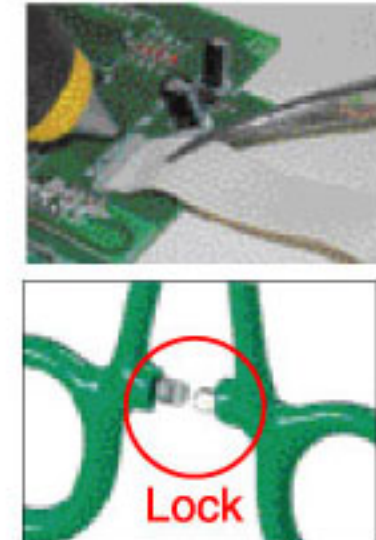
Stainless steel construction for removing dual in-line IC packages. (Insulating vinyl grip.)

Model No.	Weight (g)	Individual Packing
908-609	16.2±2	Inner Box
PD-609	12.8	
PD-609BC	27.4	Blister Card

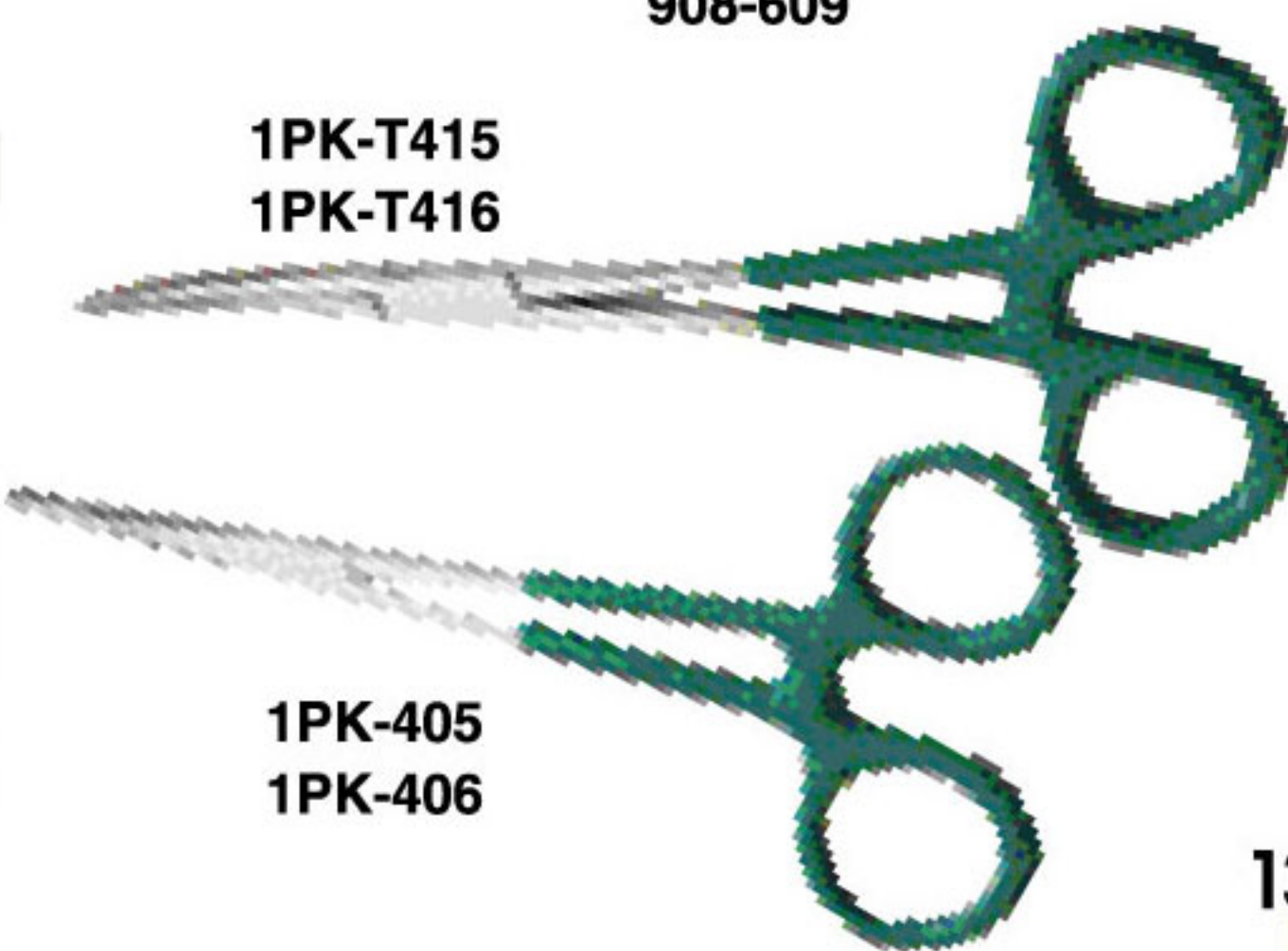


**1PK-T405 /1PK-T415 /1PK-T406 /1PK-T416**

**Stainless Steel Forceps**



Model No.	Product Name	Individual Packing	Weight (g)
1PK-T405	5" Straight forceps	Blister Card	54.4±3
1PK-T415	5" Curved forceps		54.4±3
1PK-T406	6" Straight forceps		58.3±3
1PK-T416	6" Curved forceps		58.5±3



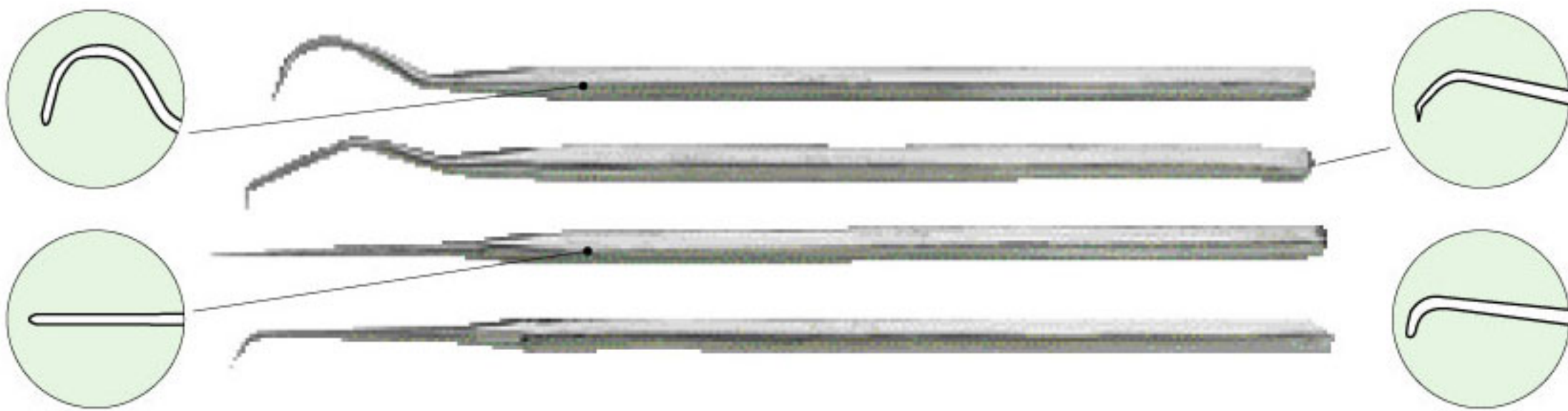




### 1PK-3178 4 PCS Probe Set

4 pcs stainless steel single-ended probe that can be used for all kinds of precision work in electronics. Straight, angle, hook and curved tips. Packed in a vinyl pouch.

Individual Packing	Weight (g)
Pouch	68.2±3



### 1PK-3172 2 PCS Hook Set

Useful for cold solder probing repair of pattern, scraping glue, tape. Micro positioning with spring wire tips.

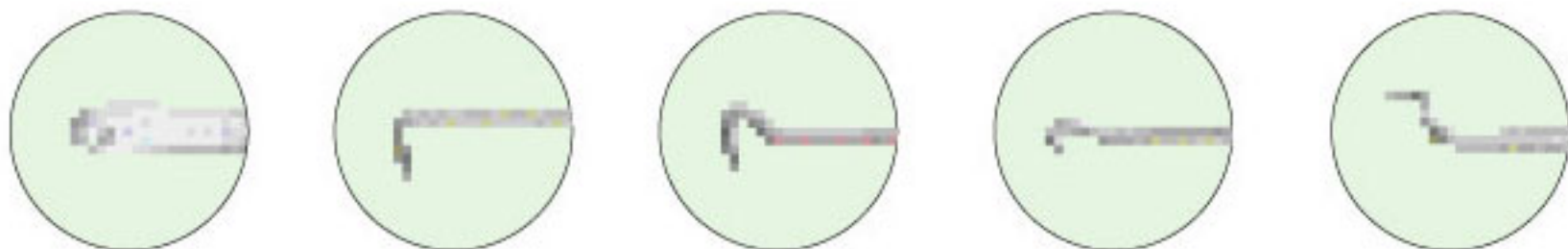
Individual Packing	Weight (g)
Blister Card	52±3



### 1PK-3175 5 Pcs Hook Set

Contains 6 parts 5 different hooks which can be screwed in a handle.

Individual Packing	Weight (g)
Pouch	54.2±3

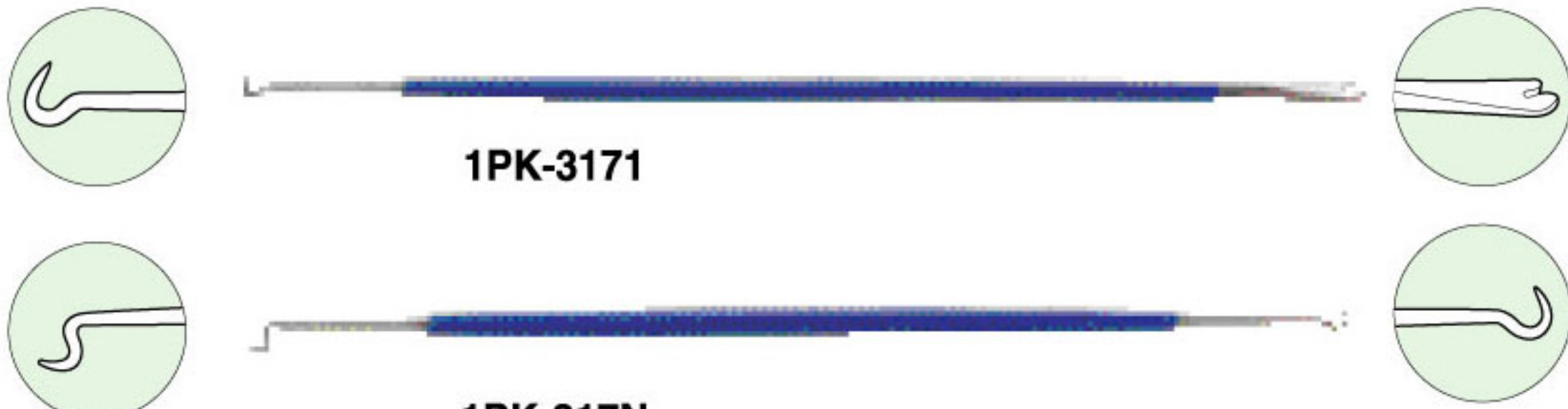


### 1PK-317N/1PK-3171 Spring Hook

Can grab small spring and wires, suitable for OA field service.



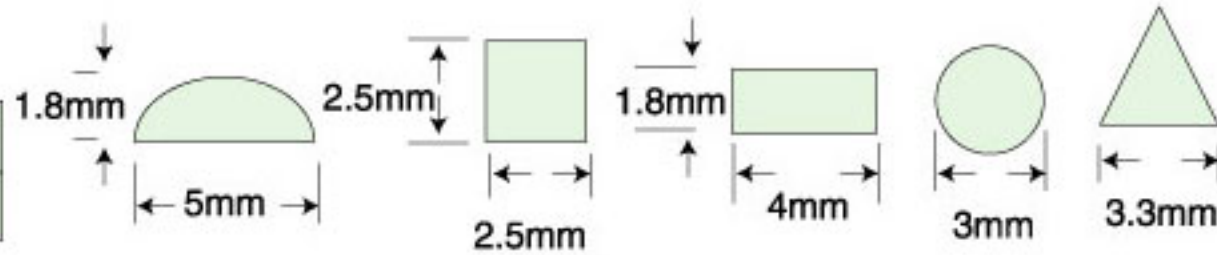
Model No.	Individual Packing	Weight (g)
1PK-317N	Blister Card	29.2±2
1PK-3171	Blister Card	29.2±2



### 8PK-605A 5 PCS Needle File Set

A set of 5 miniature needle files with PVC coated handles. Particularly useful for fine work or within restricted areas. Overall length: 170mm±3 Cut length: 75mm

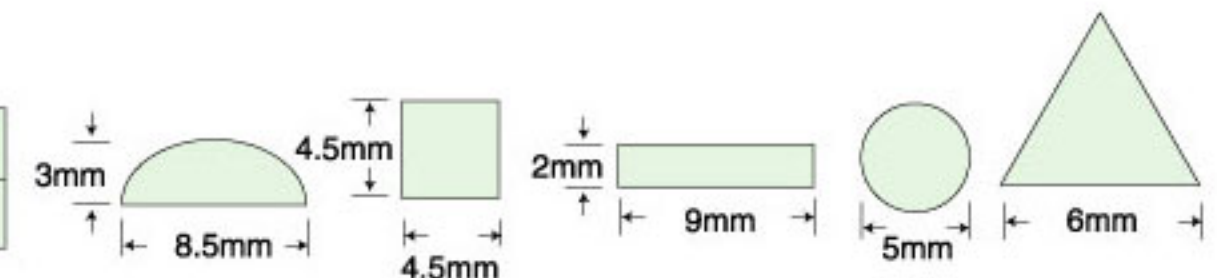
Weight (g)	Individual Packing
56.8±3	Pouch



### 8PK-605L 5 PCS Needle File Set

• Body size brief:  
OAL: 180mm±3  
Cut length: 85mm  
O.D: 7mm

Weight (g)	Individual Packing
139.8±5	Pouch



### 1PK-390G Inspection Mirror

All-angle ball joint mirrors with stainless steel mirror backs. Visual inspection of hidden areas. Double ball joint links swivel mirrors for viewing to 360°. Made of tempered spring steel to move freely and hold desired position. Replaceable, plated, copper-backed, clear-view mirrors, Non-rotating inner hex rods prevent mirrors from swinging out of alignment. Insulating vinyl grip on 1PK-390G, one(1PK-390), don't have vinyl.

Weight (g)	Individual Packing
137.8±5	Blister Card

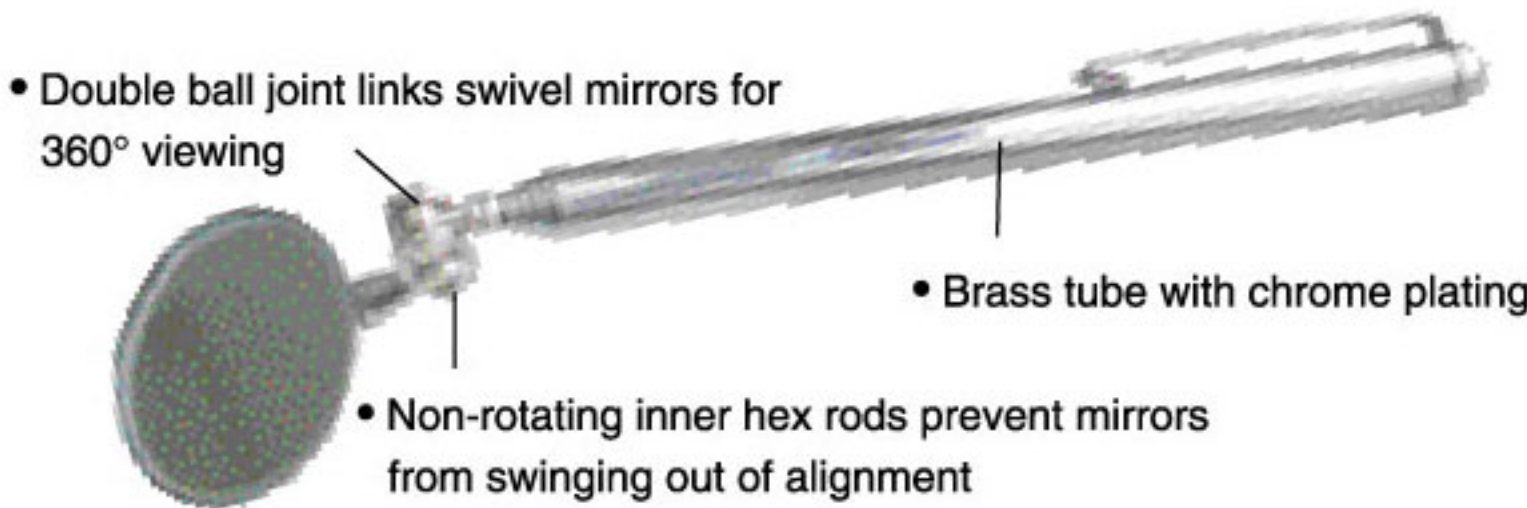


SIZE: 2" x 3-1/2" (50 x 90mm)  
O.A.L. 8-1/2" ~ 19-1/4" (216 x 490mm)

### MS-391 Inspection Mirror

- DIA 1-1/4" (32mm)
- Extension Length: 178~505mm

Weight (g)	Individual Packing
48	Blister Card



• Double ball joint links swivel mirrors for 360° viewing

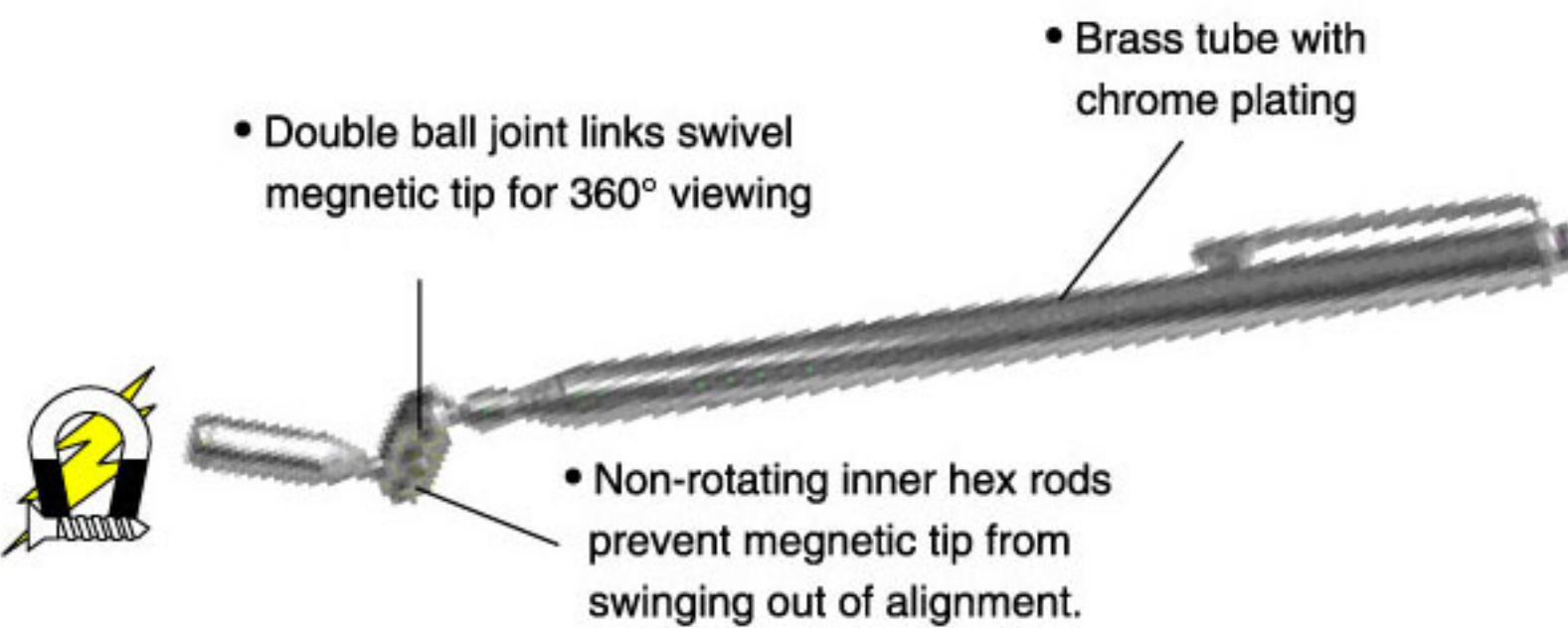
• Brass tube with chrome plating

• Non-rotating inner hex rods prevent mirrors from swinging out of alignment

### MS-323 Telescopic Magnetic Pick-Up Tool

- A handy chrome plated telescopic magnetic retrieving tool. The ideal for hard to reach working.
- Extension length: 178-582mm
- Maximum pick up: 1lb

Weight (g)	Individual Packing
44	Blister Card



• Double ball joint links swivel magnetic tip for 360° viewing

• Brass tube with chrome plating

• Non-rotating inner hex rods prevent magnetic tip from swinging out of alignment.

### 8PK-322 Telescopic Magnetic Pick Up Tool

A handy chrome plated telescopic magnetic retrieving tool. The ideal for hard to reach working. Extension length: 170-540mm

Weight (g)	Individual Packing
53	Blister Card



### 8PK-3220 20 in 1 Screwdriver With Telescoping Pick-Up Tool

- (A) Regular screwdriver with 13-PCS. screw bits 5-PCS. sockets and 1-PC socket adaptor fits all kind of jobs.  
(B) Telescoping magnetic pick-up tool (up to 17-1/2" long/440mm) stored inside the tube pulling out to pick-up small metal objects.

Weight (g)	Individual Packing
280	Blister Card



Magnetic pick up





PD-2606

Heavy Duty Curved-Claw

- W/FIBERGLASS HANDLE
- Curved claw offers maximum nail-pulling leverage
  - Polished drop-forged, tempered steel head
  - Fiberglass shaft keeps head tight
  - PVC grip for comfort
  - 16 oz

Material	OAL(mm)	Weight(g)	Individual packing
Handle: Fiberglass S45C	330	820	Bulk



PD-2607

Ball Peen Hammer

- Heads and forged, heat-treated, fiberglass handles.
- Polished drop-forged tempered steel head
- PVC grip for comfort
- 16 oz

Material	OAL(mm)	Weight(g)	Individual packing
Handle: Fiberglass S45C	300	690	Bulk



PD-2611

6 In 1 Mini Hammer

- The 6 in 1 mini hammer with six different interchangeable tips: two round steel, one flat brass, one flat plastic and one tinner's steel.

OAL(mm)	Weight(g)	Individual packing
185	190	Blister Card



PD-374

Hobby Vise

- A small hobbyist's vise.
- Aluminum die-cast construction.
- Jaw width: 2.4"/60mm
- Max opening: 2"/50mm
- Clamp to any surface up to 1.2"/30mm
- Light weight and durable.

Weight(g)	Individual packing
460	Blister Card



PD-375

Multi-Angle Swivel-Actions Vacu-Vise

- Swivels 360° and tilts 90° to desired angle.
- 3 1/2" (89mm) metal jaws open to 2 1/2" (64mm).
- Equipped with slide-on rubber jaw for fragile work.
- 6 1/4" (158mm) triangular base.
- Aluminum die-cast construction.
- Light weight and durable.

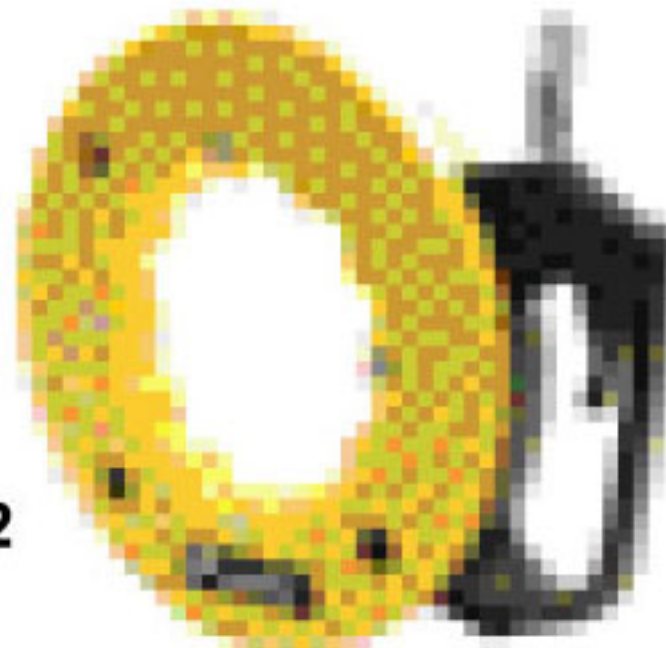
Weight(g)	Individual packing
1250	Plain Box + Color Label



DK-2032/DK-2033/DK-2034

Fish Tape

- Made from flexible spring steel and black finished.
- Equipped with durable plastic container and slide handle.
- Easy to thread through the pipe and pull out the electric cable.



DK-2032  
50 Ft



DK-2033  
100 Ft



DK-2034  
200 Ft

Model No.	Length(feet)	Weight(g)	Individual Packing
DK-2032	50	1000	PE Shrink
DK-2033	100	1630	PE Shrink
DK-2034	200	2840	PE Shrink

CP-382

Cable Tie Gun

- Cable tie width from 3/32" ~ 11/32" (2.2 ~ 4.8mm) and thickness up to 1.6mm
- Neatly cuts end of cable tie off
- Adjustable tension control

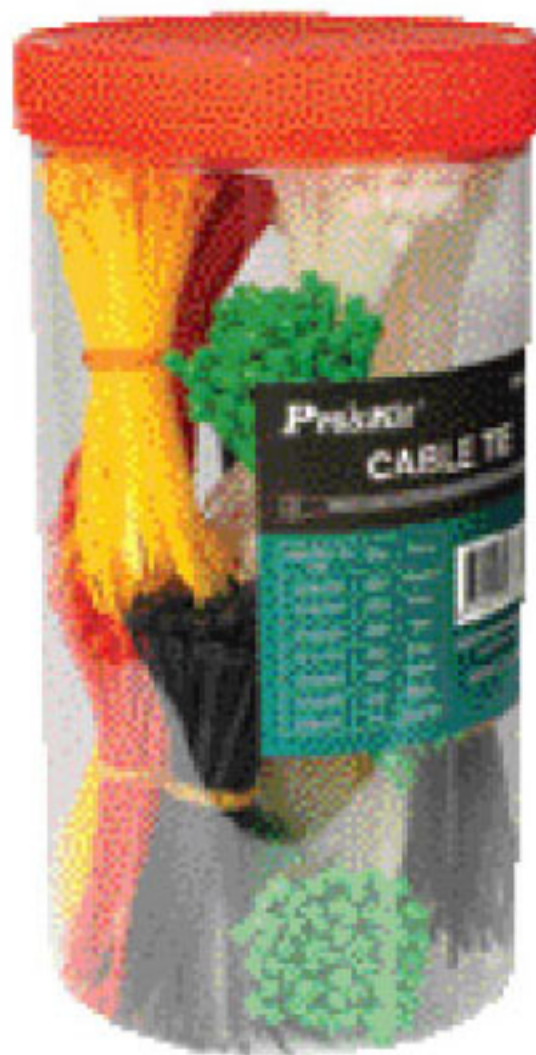
Material	HRC	OAL(mm)	Weight(g)	Individual packing
Aluminum	Cutter 46~50	160	341	Blister Card



CP-1200 series

Assortments - 1200PCS

Part No.	Description	Q'ty	Color	Weight(g)	Individual packing
OP-1200	3/32"x4"	200	Natural	530	Color Label
	3/32"x4"	200	Black		
	3/32"x4"	200	Red		
	3/32"x4"	200	Green		
	3/32"x4"	200	Yellow		
	3/32"x6"	100	Black		
OP-1200L	5/32"x8"	100	Natural	1405	Color Label
	3/32"x4"	100	Black		
	5/32"x6"	100	Red		
	5/32"x6"	100	Green		
	5/32"x6"	100	Yellow		
	5/32"x8"	200	Natural		
	3/16"x8"	200	Natural		
	5/32"x10"	200	Natural		



MS-V305/V306/V308

Hook And loop Cable Ties

The hook and loop cable ties are made by Nylon/P.P. material and offered 5 colors combination pack (Black, Blue, Green, Red, and Yellow). They are good for use in binding the cables and patch cables and won't even affect the transmittance performance because of the too tight binding. Reusable, the back-to-back design provides instant installation without the use of tools.

Model No.	Material	OAL(mm)	Weight (g)	Individual packing
MS-V305	Nylon /P.P	125	18	Poly Bag (15pcs/pack)
MS-V306		150	21	
MS-V308		200	25	







8PK-C001

Mini Vacuum

Cleans keyboards, printer, photographic equipment, audio/visual equipment and all office electronics. Compact size design and power by battery. You can work everywhere.

- 3 "AA" batteries, not included

Weight(g)	Individual packing
130	Blister Card



MS-154C

Blow Brush

- Clean air blowing effectively clears.
- Ideal for blowing hard-to-reach area.

Weight(g)	Individual packing
93	Blister Card



AS-501A/B

Long Handle Static Brush

These conductive plastic, straight or curved handle brushes are used for thorough component cleaning.

Resistivity:  $10^6 \sim 10^{11} \Omega$

Model No.	Weight (g)	Individual Packing
AS-501A	44	Blister Card
AS-501B	47	



MS-035

Flux Bottle

- Dispenses flux evenly with a fine tipped needle

Weight(g)	Individual packing
26	Blister Card



MS-004/006/008

Liquid Dispenser Bottles

- Polyethylene bottles are molded.
- With out chemical reactivity.
- Features purity pump to block contaminated fluid from following into container.



Model No.	Description	Weight (g)	Individual Packing
MS-004	4 oz / 114 ml	86	Poly Bag
MS-006	6 oz / 170 ml	88	
MS-008	8 oz / 227 ml	107	

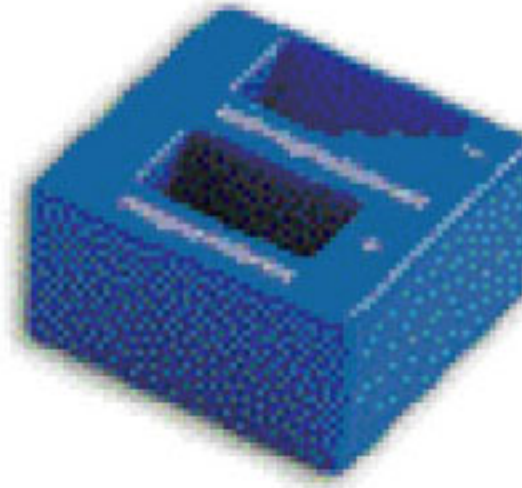


8PK-220

Magnetizer Demagnetizer

A convenient pocket sized tool, housed in a strong plastic case ideal for the general magnetizer demagnetizer of small hand tool i.e screwdriver hexagon keys.

Weight(g)	Individual packing
85	Blister Card



HW-317

4-in-1 CATV Socket Wrench

- Electrical insulation protection
- Four dimension: 0.19", 0.32", 0.44" 0.51" for efficient work

Weight(g)	Individual Packing
138	Inner Box



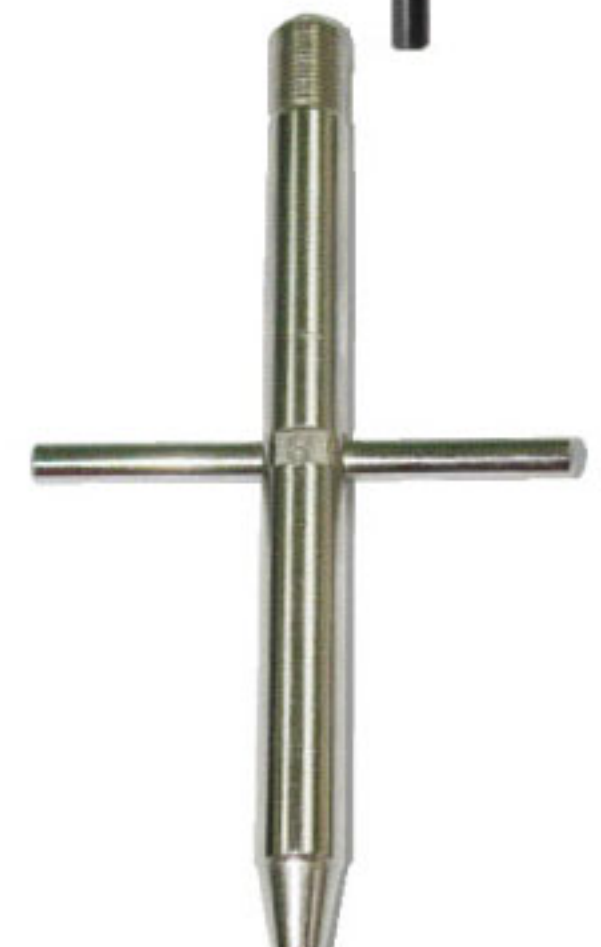
MS-3206

Coax Flaring Tool

One end for this tool is for flaring the braid and the other for screwing on a twist-on F-Connector to the RG-6 cable.

- Length: 4.3 x 2.4 x 0.4" (110 x 60 x 9.5mm)
- Material: 12L14
- Finish: Nickel plating

Weight(g)	Individual Packing
83	Blister Card



1PK-CT007

Double End Socket Can Wrench

Use to place fuses in cable terminals and connect wires to fuses and binding posts.

- 3/8" & 7/16" hex double end, plastic handle.

Weight(g)	Individual Packing
55	Blister Card



OAL:180mm

8PK-CT004

Insertion / Extraction Tool

- RS232 insertion & extraction use
- Red: insertion PIN. White: extraction PIN

Weight(g)	Individual Packing
4	Pouch



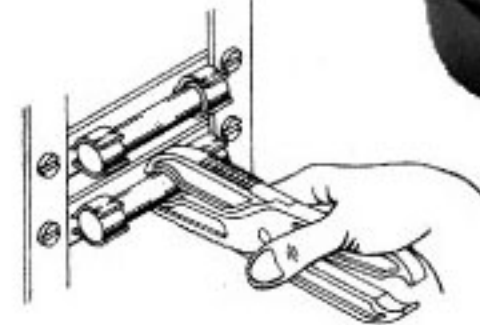
OAL:99mm

MS-P1981

Fuse Puller

- Safely removes 0~200A/250V and 0~100A/600V Cartridge fuses
- Shock-Proof durable plastic
- Serrated grip design to prevent slipping

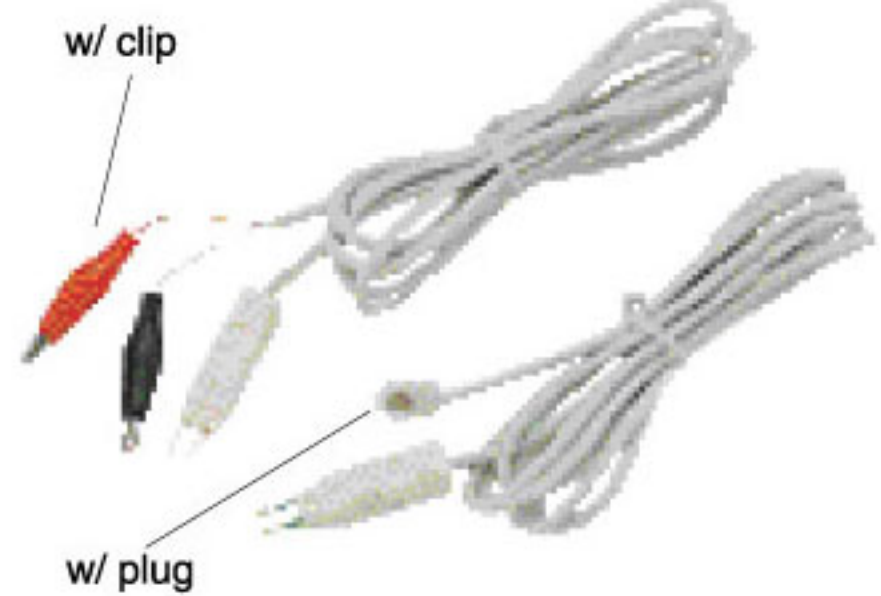
Weight(g)	Individual Packing
80	Pouch



8PK-NT039 Series

Text Pag (Plugset)

Model No.	Description	Weight(g)	Individual Packing
8PK-NT039A	2 pole W/plug	36	Poly Bag
8PK-NT039B	2 pole W/clip	39	
8PK-NT039C	4 pole W/plug	37	
8PK-NT039D	4 pole W/clip	40	



w/ clip

w/ plug

