

Pro'sKit®

Smart Pro's Prefer Pro'sKit



CATALOG 11

Quality Control

Quality is the foundation of the **Pro'sKit**® brand. As an ISO9001:2008 registered manufacturer since 1998, and with continual certification every year since, all **Pro'sKit**® products' quality standards and quality control procedures conform to the strict requirements of the standard. To enhance **Pro'sKit**® capability in quality control and reliability testing for providing consistent quality product, **Pro'sKit**® has been investing in test equipment and has established a quality assurance laboratory since 2007. **Pro'sKit**® has also built up computerized Standard Operating Procedures (SOP) for its production line to set the specifications of operating processes for individual product assembly. This ensures every production step is executed correctly. **Pro'sKit**® always stresses its quality policy and high standards and will continue to enhance all of its capabilities. Nothing is exempt from further improvements.



**Computerized SOP
Production Line**



**Handheld XRF for
RoHS Compliance
Testing**



Torque Testing Machine



**High Compliance Multi-
Product Calibrator**



Electrical characteristics test

Burst Strength Tester

Fully-Automatic Rockwell Type hardness Tester



Innovation • Quality • Service

Product innovation is **Pro'sKit**® permanent mission and policy. **Pro'sKit**® has owned the patents of many products in Taiwan, China or USA and continues to develop new products. Most of Pro'sKit electronic power products are qualified to CE, GS, UL or TUV international standards.

In addition, **Pro'sKit**® takes its responsibility as a member of the global community seriously and has actively taken steps to carry out its green policy. **Pro'sKit**® has been devoted to conforming to RoHS since 2006 per the European Union's regulation that secures **Pro'sKit**® high product quality for its customers all over the world.



Computer-controlled Tensile tester

Lifetime Testing Machine

RoHS Compliance Tester

Reliability Test Chamber

Electrical characteristics tester





TESTERS

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Dual Color Non-Slip Impact
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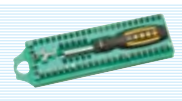
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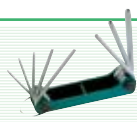


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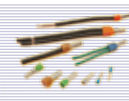
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TESTERS

Pro'sKit® Testers

Maximum display range and accuracy for digital multimeters and digital clamp meters and environmental meters

rdg(reading)

The value on the digital display, readout.

199.9

dgt(digit)

Indicates the least significant digit.

It represents the error used for processing fractions when converting from analog to digital.

Maximum display range

MT-1860/1820: the maximum display range is "5999".

MT-1232: the maximum display range is "3999".

MT-1280/1270/1210: the maximum display range is "1999".

For example of measuring resistance at MT-1232

Resistance	Display	
4000kΩ	4.000MΩ	The range is automatically switched so that the display unit is MΩ or kΩ
4000Ω	4.000kΩ	
40Ω	40.00Ω	The reading is display with three digits.

Accuracy

When ACV measurement using the MT-1270, the maximum display value is 199.9V, minimum display value is 0.01V.

199.9

Example

The accuracy of the AC200 V reading is $\pm(0.8\%rdg+5dgt)$.

when measuring AC100V, the accuracy reading display range is 100.9~99.15.

$100V \pm (0.8\% + 5dgt)$

$= 100 + (0.80 + 0.05) - 100 - (0.80 + 0.05)$

$= 100.9 \sim 99.15$

SI prefixes

Symbol	Prefixes	Decimal		Units frequently used
		Long Scale	Short Scale	
G	giga	$1 \times 1,000,000,000$	1×10^9	GHz
M	mega	$1 \times 1,000,000$	1×10^6	MΩ, MHz
K	kilo	$1 \times 1,000$	1×10^3	kΩ, kV, kW, kHz
m	milli	$1/1,000$	1×10^{-3}	mV, mA, mW, mF, mH
μ	micro	$1/1,000,000$	1×10^{-6}	μV, μA, μW, μF, μH
n	nano	$1/1,000,000,000$	1×10^{-9}	nA, nF, nH
p	pico	$1/1,000,000,000,000$	1×10^{-12}	pF, pH

RS
232C

RS232C connector

USB

USB connector

V

DC voltage

V

AC voltage

A

DC current

A

AC current

Ω

Resistance

Hz

Frequency

+

Capacitance

°C/°F

Temperature °C/°F measurement

°C

Temperature °C measurement

Hz Duty

Duty cycle

REL

Relative reference

•••

Continuity buzzer

CONT. LED

Continuity check

▶

Diode test

hFE

Transistor hEF test

LED

LED test

☀

Backlight

MAX MIN

Maximum/Minimum value

MAX HOLD

Maximum value hold

HOLD

Data hold

AP OFF

Auto power off

🔋

Low battery

0Ω ADJ

Zero-ohm adjuster

OUT

Output terminal

Most of Pro'sKit® test instruments are approved by CE EN61010-1 CATII/ CATIII test.

CAT. II Primary circuits or equipments connected to low voltage facilities, such as a standard wall outlet.

CAT. III Equipment used for measurement in building facilities, distribution boards, and circuit breakers.

RH

Hygrometer

Air

Thermometer

Lux

Light meter

dB

Sound level meter

🔋

Battery check

MT-8100 Butt Set



Waterproof



Dustproof

Drop Protection

Rugged

Exterior

Voltage Test

- High impedance monitor
- Line voltage test
- Line Continuity test
- Polarity indication
- Two-way hands-free speakerphone
- Tone and pulse operation
- Speed dialing
- Last number redial
- PBX pause button

- Mute switch
- Electronically adjustable Volume
- Auto power off
- Low battery indication
- Audible ring.
- Extra large steel locking belt clip
- Angled bed of nails and RJ11 plug

IEC/EN 60529
IP54

Mark for products are
complied with IEC/EN
60529 IP54 Dustproof &
Waterproof tests



Line Voltage test



Line Continuity Test

Electronically adjustable
volume

Angled bed of Nails

Electrical

Loop limit

2 KΩ maximum at 48 VDC
(nominal 20 mA minimum loop
current)

DC resistance

Talk Mode

300Ω typical

Monitor impedance

39kΩ nominal at 1 KHz

Rotary dial output

Pulsing rate

10pps±0.8pps

Percent break

61%±2%

Interdigit interval

1000 ms typical

Leakage during Break

>50 KΩ

DTMF output

Tone frequency error

±1.2% maximum

Tone level

-8±2dBm combined (typical)

High versus low tone Difference

4 dB maximum

Memory dialing

Memory capacity

13 memories including M1,
last number redialing

Digit capacity

16 digits per memory

PBX pause duration

4 seconds

Line Voltage Test

5 Phase AC/DC voltage
indication (under 24V, 24~100V, 101
~150V, 151~200V, more than 200V)

Monitor amplifier

9V transistor; provides 25 hours
continuous use, typical

Automatic power shut off(Monitor type)

After 5 min. of no audio signal

Speaker phone levels

Electronically adjustable

Power source

Battery (9V) 6F22 (Not included)

Physical

Measurement (mm/inch)

230 × 82 × 89
(9.1x3.2x3.5)

Weight (g)

635

Water Resistance

Dust protection & Waterproof
tested
to an IEC/EN 60529 IP54 rating

Cord Sets

Angled bed of nails and RJ11 plug

Environmental

Temperature

Operating: 0 to 50°C
Storage: -10 to 60°C

Altitude

To 10,000 feet (3,000M) max

Relative humidity

5 To 95%

Packing

Individual packing

Color box

Replaceable &
Durable Hanger



400-042 Butt Set



Rests easily on shoulder



Polarity LED indications

Large multi-functional panel



Angled bed of Nails



Durable hanger

- Recognized as the new industry standard, the 400-042 butt set provides superior quality at an affordable price.
- With its high impedance monitor for data safe operation, technicians can clip onto a line in Monitor mode without disrupting existing traffic.
- Prokit's unsurpassed protection standards and durability assure the butt set will keep working even in the toughest environments.
- New weatherproofing provides enhanced resistance to severe weather conditions.

Electrical

Loop limit	2 KΩ maximum at 48 VDC (nominal 20 mA minimum loop current)
DC resistance (Talk Mode)	300Ω typical
Monitor impedance	39kΩ nominal at 1 KHz
Rotary dial output	
Pulsing rate	10pps+0.8pps
Percent break	61%±2%
Interdigit interval	1000 ms typical
Leakage during break	>50 KΩ
DTMF output	
Tone frequency error	±1.2% maximum
Tone level	-8±2dBm combined (typical)
High versus low tone Difference	4 dB maximum
Memory dialing	
Memory capacity	12 memories plus last number redialing
Digit capacity	16 digits per memory
PBX pause	4 seconds
Monitor amplifier power source	9V transistor; provides 25 hours continuous use, typical
Speaker levels	Low, medium, high
Automatic power shut off	After 5 min. of no audio signal
Speaker phone levels	Low, medium high
Power source	Shared line and battery power, 9V battery not included

Physical

Length (mm/inch)	260/10.2
Width (mm/inch)	70/2.8
Height (mm/inch)	89/3.5
Weight (g)	560

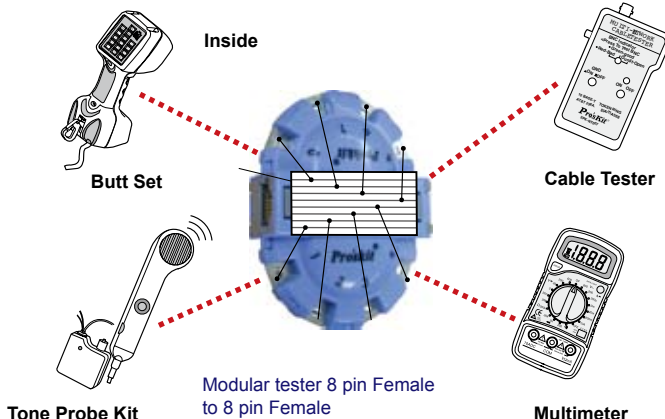
Environmental

Temperature	Operating: 0 to 50°C Storage: -40 to 66°C
Altitude relative humidity	To 10,000 feet 5 to 95%
Packing	
Individual packing	Color box



900-244

In-Line Modular Adapters (4/6/8 Pin 3 In 1)



- The 900-244, In-line Modular Adapter allows in-line testing for any plug/jack combination. It includes two 4-pair jacks plus a modular cord terminated with 4-pair "universal" plug for accessing any standard 6- or 8-position jack.
- Individual conductors are broken out by pin number and correspond to eight separate test pads.
- Test equipment can be securely attached to the test pads using alligator clips.
- For quick reference in the field, USOC, T568A, and T568B wiring charts are printed right onto the body.



6 pin Female to 8 pin Male



4 pin Female to 8 pin Male



8 pin to 8 pin 205mm/8.1"



8 pin to 6 pin 205mm/8.1"



8 pin to 4 pin 205mm/8.1"

Individual packing

Blister card

TESTERS

PRECISION PLIERS
& CUTTERS

ELECTRICAL PLIERS
& CUTTERS

KNIVES, SCISSORS
& SAWS

CRIMPERS

STRIPPERS

PUNCHDOWN
TOOLS

SOLDERING /
ASSEMBLY

SCREWDRIVERS/
BITS

HEX KEY/
WRENCHES

TWEEZERS

MT-8002 Telecom Mini Test Set



Hands-free



Tone & Pause



Polarity Test



Last Number Redial



Continuity Test



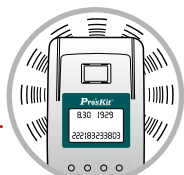
PBX



- LCD display for dialing number, Caller ID, Clock and other information
- Indicator for determining the NET service and speed
- Headset & neck strap provide convenient hands-free function
- Smart power saving, estimate battery life up to 6 months
- 62 Caller ID memories, each memory up to 12 digits
- 16 dialing number memories, each number up to 12 digits
- Supports 2 dialing modes: tone (DTMF) and pulse
- Up to 16 digits phone number memory for speed dialing
- Pre-dialing and last number redial functions
- PBX pause key, inserting a PBX pause in stored numbers
- Cable continuity & telephone line polarity indicator
- RJ-45 port for easy test lead changing
- Standard alligator clip



Neck strap



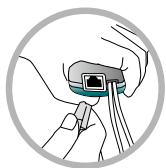
Incoming and dialing number display



Accessories



Headset



RJ-45 Jack NET service detection



Alligator Clips

Electrical

Rotary dial output

Pulsing rate	10pps + 0.8pps
Percent break	61%±2%
Inter digit interval	1000 ms typical
Leakage break	>50KΩ

DTMF output

Tone frequency error	±1.2% maximum
Tone level	-8±2dBm combined(typical)
High versus low tone difference	4 dB maximum

Memory Dialing

Memory capacity	16 memories plus last number redialing
Digit capacity	16 digits per memory
PBX pause	4 seconds

Caller ID

Memory capacity	62 memories
Digit capacity	12 digits per memory

Volume levels

Low, high

LCD brightness level

5

Extension port

RJ-45 x 1

Power source

3 x 1.5V AAA batteries (not included)

Physical

Length (mm/inch) 156/6.1

Width (mm/inch) 55.3/2.2

Height (mm/inch) 31.5/1.2

Packing

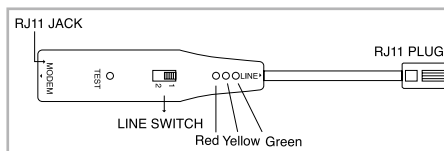
Individual packing Double blister

400-028 Dual Telephone Line Tester



This tool is for testing the condition of dual telephone line jacks. Multi-color LED indicator light alerts to okay line, reversed line, AC Voltage present and dead line. Fits in shirt pocket.

- Dual telephone line tester that troubleshoots common problem conditions with standard single or dual-line telephone hook-ups.
- Compact unit easily plugs into any single or dual-line telephone jack.
- Tests for three wiring conditions: correct, reversed and AC voltage presence.
- Battery: AA(1.5V) (Not included)



Individual packing

Blister card

400-017 Telecom Tester

- Inexpensive and effective
- Simply insert the plug to check outlet



Individual packing

Blister card

902-267 Test Lead (Professional Clip Style)

- Professional grade "Bed of Nails" insulation piercing clips within the jaws
- Ultra-durable nylon braided jacket
- Guarantee ruggedness and flexibility
- Non-insulated ring terminals
- Connect directly to 400-042 butt set
- Length: 60 inch
- Materials: Nylon, Copper
- Color: Red/Black



Individual packing

Blister card



902-228 All-in-One Toner & Probe Kit

The All-in-one Toner & Probe Kit lets you use the Toner and Probe to validate and troubleshoot wiring on RJ11 /RJ45 cables and connectors, USB, F, BNC, and RCA connectors, and it also supplied with alligator clips to work with. The 902-228 Toner detects telephone and Ethernet service, indicates polarity and active line numbers on voice circuits, and indicates active pair number on Ethernet circuits. The Toner and Probe also provide standard functions such as visual and audible signal strength indication, analog toning/detection, and continuity testing. It is ideal for all maintenance fields of telecommunication, networking, datacom, Audio/Video, cable TV, and all weather cabling, etc.



Features:

- Locates cables quickly and easily
- Locates hidden cables
- Isolates the right cable or pair fast
- Overcome noise and save time
- Tone on live networks safely and effectively
- Verify conductor continuity with cable map
- Identify and troubleshoot cable services

Applications:

- Copper cabling media, including shielded (STP) and UTP cable
- 75 or 50 Ohm coaxial cable
- 10 Base-T or 10/100 Base-T datacom net works
- Two conductor control, security, generic cabling
- POTS telecom service



Toner Specifications

Tone frequency	1KHz
Tone mode	ONE/TWO-note tone
Compatible connectors	RJ-45/RJ-11/USB/F/BNC/RCA/Alligator Clips
Continuity test	<300Ω
Talk battery voltage	6V into 600Ω
Function selection	5-position rotary switch
Cable map indication	8 LED indicators
Voltage protection	100V
Low battery display	6.5V
Battery type	9V (Not included)
Size (LxWxD) mm/inch	140x70x30/5.5x2.8x1.2

Receiver Specifications

Frequency	1KHz
Compatible connectors	RJ-45/RJ-11/USB/F/BNC/RCA
Ear jack	1
Signal status indication	8 LED indicators
Cable map indication	8 LED indicators
Low battery display	6.5V
Battery type	9V (Not included)
Size (LxWxD) mm/inch	250x52x33/9.8x2.0x1.3

Packing

Individual packing	Color box
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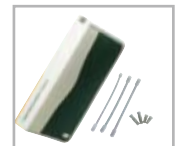
Copper cabling detecting, including shielded (STP) and UTP cable



10 Base-T or 10/100 Base-T datacom networks



Locates and isolates cables quickly and easily



Accessories: 1 zipper bag, 2 RJ-45 cables, 2 BNC connectors, and 2 RCA connectors



400-011 Tone Generator and Probe Kit

For professionals who need fundamental wire identification tools without the extra cost, the 400-011 basic Tone and Probe Kit is the answer. Use it on de-energized AC wire, telephone/twisted pair wire, all voice and data category rated cable, speaker wire, virtually any cable or wire!

Features:

- Fast, accurate wire identification
- Rugged industrial design
- Sends tone to identify wires
- Three selectable tone outputs
- Two-line polarity indication
- Continuity test
- Adjustable volume control
- Visual signal strength indication
- Powerful speaker for noisy environments
- Recessed telephone test set connectors
- Battery: 9V batteries (2X) not included

Packing:

- Individual packing: Blister card



Packaged in a soft nylon carrying case.



Toner generator



Probe amplifier



TESTERS

PRECISION PLIERS
& CUTTERS

ELECTRICAL PLIERS
& CUTTERS

KNIVES, SCISSORS
& SAWS

CRIMPERS

STRIPPERS

PUNCHDOWN
TOOLS

SOLDERING /
ASSEMBLY

SCREWDRIVERS/
BITS

HEX KEY/
WRENCHES

TWEEZERS

▶ MT-7057 Cable Sniffer-Remote



LED Display Area

Push Button

Battery Cover

Cable Sniffer-Remote
Master Unit

Remote Module

Features:

- Simple one push-button operation
- Power supplied by a 9V battery (Not included)
- Palm size design, easy to carry around
- Detects open, short, miswired and cross-connected wire
- Four types of connectors provided to test RJ-45, RJ-11, USB and BNC
- Protects itself against damage from line voltage

Packing:

- Individual packing: Color box



With RJ-45
connectors



With RJ-11
connectors



With USB
connectors



BNC
terminator included

▶ 400-026 Multi-Modular Cable Tester



BNC terminator included

Features:

- Tests RJ45 TIA568A/B (AT&T 258A), 10 Base-T, Token ring, RJ-11/ RJ-12 USOC and Coaxial BNC cable.
- Automatically checks cable for continuity, short, open and crossed wire pairs.
- Coaxial cable port identifies cable conditions including shorts, shield opens and center conductor breaks.
- Main unit and remote allow one person testing.
- Power source: DC 9V Battery (Not included)
- Size(mm/inch): 102x106x28/4.0x4.2x1.1
- Cable not included

Packing:

- Individual packing: Blister card

▶ 400-001 LAN Cable Tester With Remote



- Multi-network cable tester is specified to quickly test by auto scanning the wires continuity, mis-wiring and polarization in your network cables, thin Ethernet (BNC)/10 Base-T (UTP/STP)/356A/TIA-568A/TIA-568B/Token Ring. By using the attached remote terminator, you can easily test the cables before or after the cables installed. It also allows you to test the ground of shielded twisted pairs cables.
- Individual packing: Blister card



For BNC, RJ-45
twisted pair test



With BNC terminator



▶ 400-004 Multi-Modular Cable Tester



- Multi-modular cables tester is applied to quickly test by auto scanning most of modular cable, USOC 4 / USOC6 / USOC 8 terminating with RJ 45, RJ12, and RJ11 modular plug, wires continuity and mis-wiring. It can be also used for testing the cable is crossed pinning or straight through. Moreover, with the remote terminator, it can be further used in remote testing even if the cable has been already installed.
- Individual packing: Blister card

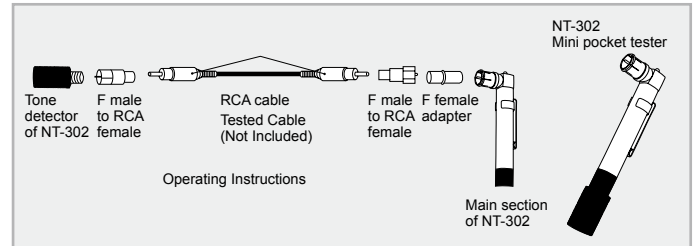




NT-3200 Mini-Pocket Tester Kit With Adaptors



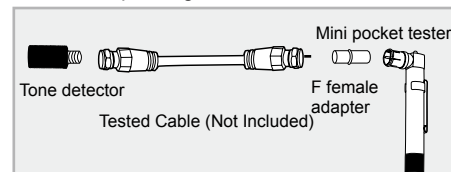
- Improved head design with rugged push-on male F connector
- Easily viewable short circuit indicator
- Loud audio level for noisy environments
- Time-saving push-on female connector on audible toner
- Easily stores in shirt pocket or tool pouch
- Individual packing: Color box



NT-302 Mini-Pocket Tester



- Uses a type 23A~12V battery
- With testing coaxial cable
- Easy to hold, rugged all-brass body
- Designed for cable testing applications
- Easy to store toner
- Right angled Male push-on connector for fast use
- Easy to replace long life battery
- Easy viewable DC short LED
- Individual packing: Blister card



400-007 PC Cable Tester



Features:

- Can test the most used PC data cables, network cables such as printer cable, monitor cable, modem cable, mouse extension cable, game cable, (USB and 1394 cables are for optional advanced model), BNC coax cable, RJ45 cable etc. for open, shorted miswire, continuity and pin configuration.
- LED glow enhanced for printer cable test
- Auto and manual scans can be selected
- DC battery compartment and AC power adapter jack provided
- Handheld, easy access, simple installation and operation

Packing

- Individual packing: Color box



Interface ports	
TX	RX
DB25 female	Centronics 36 female
DB25 male	DB25 Female DB25 male
DB9 female	DB9 female
DB9 male	DB9 male
HDB15 male	HDB15 female
DB15 male	DB15 female
BNC female	BNC female
RJ45 female	RJ45 female
USB (A)	USB (A) socket
USB (B)	USB (B) socket(Optional)
1394 socket	1394 socket (Optional model)

LED display	TX- 25 LEDs RX- 36 LEDs
	Battery low x1
	Ground TX Ground RX
Switch	Wires x 4 (for 4, 9, 15, 25)
	Wire numbers select x 1
	Test x1 (For manual operation)
	Auto/Manual scanning switch x1
Power	LED scanning speed switch x1
	Power on/off switch x1
	DC 9V battery (Not included)
Size (LxWxD) mm/inch	DC9V 150mA 2.5f power jack
	250 x 130 x 35/9.8x5.1x1.38



The Professional Multimeter Series comes with USB or RS232 connector to allow you easy connection to PC for monitor measuring data and recording.

▶ MT-1860 Professional Digital Multimeter



USB connector to computer, touch keys and auto ranging.

Features:

- 3 5/6 digits 5999 counts.
- 0.5% best accuracy.
- Auto ranging.
- USB connector for PC.
- Dual display with analog bargraph.
- Touch keys
- Function: DC voltage, AC voltage, DC current, AC current, resistance, frequency, capacitance, temperature, duty cycle, relative reference, continuity with buzzer, diode test.
- Extra function: backlight, Max/Min hold, data hold, auto power off, low battery indication.
- Battery: AAA(1.5V)×2.(Not included)
- Size(mm/inch): 185×91×49/7.3×3.6×1.9
- Individual package: Color box.



Accessories



USB connector

▶ MT-1820 Digital Multimeter



USB connector to computer

Features:

- 3 5/6 digits 5999 counts.
- 0.5% best accuracy.
- Auto/Manual both range.
- USB connector for PC.
- Dual display with analog bargraph.
- Function: DC voltage, AC voltage, DC current, AC current, resistance, frequency, capacitance, temperature, duty cycle, relative reference, continuity with buzzer, diode test, transistor hFE test.
- Extra function: Max/Min hold, data hold, auto power off, low battery indication.
- Battery: AAA(1.5V)×2.(Not included)
- Size(mm/inch): 192×95×48/7.6×3.7×1.9.
- Individual package: Color box.



Accessories



Transistor hFE test

Model No.	DCV	ACV	DCA	ACA	Resistance	Frequency	Capacitance	Temperature	Special function
MT-1860	600m/6/60/600V ±(0.5%+4d) 1000V ±(1.0%+4d)	6/60/600V ±(0.8%+10d) 750V ±(1.0%+6d)	60m/600mA ±(0.8%+10d) 6/10A ±(1.2%+10d)	60m/600mA ±(1.5%+10d) 6/10A ±(2.5%+15d)	600Ω ±(0.8%+5d) 6k/60k/600k/6MΩ ±(0.8%+4d) 60MΩ ±(1.2%+10d)	10/100/1000/ 10k/100k/1M/ 20MHz ±(0.3%+2d)	40nF ±(5%+30d) 400n/4μ/40μ ±(3.5%+8d) 200μF ±(5.0%+10d)	-20~400°C(0~750°F) ±(1.0%+5d) 400~1000°C(750~1832°F) ±(1.5%+15d)	Touch Keys
MT-1820	600m/6/60/600V ±(0.5%+4d) 1000V ±(1.0%+6d)	6/60/600V ±(0.8%+10d) 750V ±(1.0%+10d)	600μ/6000μA ±(1.0%+10d) 60m/600mA ±(1.0%+10d) 6/10A ±(1.2%+10d)	600μ/6000μA ±(1.5%+10d) 60m/600mA ±(1.5%+10d) 6/10A ±(2.0%+15d)	600Ω ±(0.8%+5d) 6k/60k/600k/6MΩ ±(0.8%+4d) 60MΩ ±(1.2%+10d)	100/1000Hz ±(0.5%+4d) 10k/100kHz ±(0.5%+4d) 1M/20MHz ±(0.5%+4d)	40nF ±(5%+30d) 400n/4μ/40μF ±(3.5%+8d) 200μF ±(5.0%+10d)	-20~400°C (0~750°F) ±(1.0%+5d) 400~1000°C (750~1832°F) ±(1.5%+15d)	

▶ MT-5110 3 1/2 Capacitance Meter

New



- Easy and correct readout.
- High measuring accuracy.
- Measurements are possible even under a strong magnetic field.
- LSI-circuit provides high reliability and durability.
- Input overload protection is provided.
- LCD display for low power consumption and clear readout even in bright ambient light conditions.
- Light-weight and compact construction for easy operation.
- Low battery condition is indicated on the LCD display.



Alligator clips



Test probes

Electrical	
Counter	1999
Digits	3 1/2
Backlight	Y
Auto/Manual ranging	Manual
Capacitance (C)	0.1pF~20000uF
Zero adjustment	Manual (range:±20pF)
Calibrate adjustment	Two internal adjustment, one is panel zero adjustment
Over-input	Display shows "1"
Backlight function	Y
Input overload protections	Y
Sampling time	0~5 second
Operating temp	0°C to 40°C
Operating Humidity	80% Max. R.H.
Automatic power off	N
Low battery indication	Y
Battery	9V x 1 (NEDA1604/6F22 or equivalent model) (not included)
Size (D×W×H)mm/inch	248x70x38/9.8x2.8/1.5
Weight (g)	292g (without battery)
Extra accessories	Test Probes , Alligator clips, operation manual
Individual packaging	Color box

▶ MT-5210 3 1/2 LCR Meter

New



- 3 1/2 digits LCD, Max. reading 1999
- Inductance measurement : 2mH to 20H
- Capacitance measurement 2nF to 1000uF
- Resistance measurement: 200Ω to 20MΩ
- Low battery indication
- Data hold function



Alligator clips



Test probes

Electrical	
Counter	1999
Digits	3 1/2
Auto/Manual ranging	Manual
Inductance (L)	2mH~20H
Capacitance (C)	2nF~1000uF
Resistance (Ω)	200Ω~ 20MΩ
Diode Test	Y
Transistor Test	Y
Continuity buzzer	Y
Data hold	Y
Automatic power off	N
Alarm	Y
Low battery indication	Y
Battery	9V x 1 (NEDA1604/6F22 or equivalent model) (not included)
Size (D×W×H)mm/inch	189x97x35/7.4x3.8x1.4
Weight (g)	362g (without battery)
Extra accessories	Test Probes , Alligator clips, operation manual
Individual packaging	Color box

▶ MT-1630 3 1/2 Pen-Style Meter

New



- Comply with CE safety standard
- Compact in size, light in weight and simple in use
- Penlight illuminates brightly the point to be measured, even in dark place
- Unique protection mechanism for the test probe for safety
- Auto power off function saves the battery life



Electrical	
Counter	1999
Digits	3 1/2
Backlight	N
AC/DC Current	DC : 20mA~200mA ± (1.5% +10d) AC : 20mA~200mA ± (3.0% +10d)
AC/DC Voltage	DC: 200mV ~ 600V ± (0.8% + 5d) AC: 2V~200V ± (1.0% + 3d) AC: 600V ± (1.2% + 3d)
Resistance	200Ω± (1.0% + 5d) 2KΩ~2MΩ ± (1.0 + 3d) 20MΩ± (1.2% + 5d)
Continuity test	Y
Diode test	Y
Auto-Range	Y
Over range indication	Y
Sampling rate	Approximate 3 times per sec.
Low battery indication	Y
Fuse protection	Y
Auto power off	Y
Battery	1.5V x 2 (LR44) (not included)
Size (D×W×H)mm/inch	205x35x30/8.1x1.4x1.2
Weight	90g (without battery)
Operating temperature	0°C~40°C (≤85%R.H)
Storage temperature	-10°C~50°C (≤70%R.H, Remove the battery)
Individual packing	Double blister

TESTERS

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& CUTTERS

ELECTRICAL PLIERS
& CUTTERS

KNIVES, SCISSORS
& SAWS

CRIMPERS

STRIPPERS

PUNCHDOWN
TOOLS

SOLDERING /
ASSEMBLY

SCREWDRIVERS/
BITS

HEX KEY/
WRENCHES

TWEEZERS

MT-1280 Professional Digital Multimeter



With transistor hFE socket

Features:

- 3 1/2 digits 1999 counts.
- 0.5% best accuracy.
- Functions: DC voltage, AC voltage, DC current, AC current, resistance, capacitance, temperature, continuity with buzzer, diode test, transistor hFE test.
- Extra functions: backlight, auto power off, low battery indication.
- Battery: 6F22(9V). (Not included)
- Size(mm/inch): 175 x 93 x 55/6.9x3.7x2.2
- Individual package: Color box.

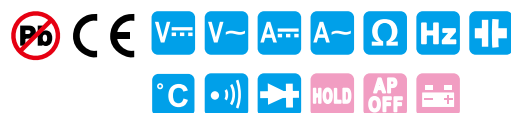


Thermocouple probe



Transistor hFE test

MT-1270 Digital Multimeter



Mechanically prevents mistaken operation

Features:

- 3 1/2 digits 1999 counts.
- 0.5% best accuracy.
- With mechanical prevent mistaken operation.
- Functions: DC voltage, AC voltage, DC current, AC current, resistance, frequency, capacitance, temperature, continuity with buzzer, diode test.
- Extra functions: data hold, auto power off, low battery indication.
- Battery: 6F22(9V). (Not included)
- Size(mm/inch): 175 x 88 x 38/6.9x3.5x1.5
- Individual package: Color box.



Thermocouple probe



Protection mechanism

MT-1232 Digital Multimeter



Features:

- 3 3/4 digits 3999 counts.
- 0.5% best accuracy.
- Auto/Manual both range.
- Functions: DC voltage, AC voltage, DC current, AC current, resistance, frequency, capacitance, temperature, duty cycle, relative reference, continuity with buzzer, diode test.
- Extra functions: data hold, auto power off, low battery indication.
- Battery: AAA(1.5V)×2. (Not included)
- Size(mm/inch): 145 x 74 x 36/5.7x2.9x1.4
- Individual package: Color box.



Thermocouple probe

MT-1210 Digital Multimeter



Features:

- 3 1/2 digits 1999 counts.
- 1.0% best accuracy.
- Functions: DC voltage, AC voltage, DC current, resistance, continuity with buzzer, diode test, transistor hFE test.
- Extra functions: backlight, data hold, low battery indication.
- Battery: 6F22(9V). (Not included)
- Size(mm/inch): 144 x 70 x 32/5.7x2.8x1.3
- Individual package: Double blister.



Transistor hFE test



Back light

Model No.	DCV	ACV	DCA	ACA	Resistance	Frequency	Capacitance	Temperature	Special function
MT-1280	200mV/2/20/200V ±(0.5%+3d) 1000V ±(0.8%+10d)	2/20/200V ±(0.8%+5d) 750V ±(1.2%+10d)	200μ/20mA ±(0.8%+10d) 200mA ±(1.2%+8d) 20A ±(2.0%+5d)	20mA ±(1.0%+5d) 200mA ±(2.0%+5d) 20A ±(3.0%+10d)	200Ω ±(0.8%+5d) 2k/20k/200kΩ ±(0.8%+3d) 20MΩ ±(1.0%+25d)		20nF ±(2.5%+20d) 20μF ±(2.5%+20d) 200μF ±(5.0%+20d)	-20~400°C ±(1.0%+5d) 400~1000°C ±(1.5%+15d)	
MT-1270	200mV/2/20/200V ±(0.5%+3d) 1000V ±(0.8%+10d)	2/20/200V ±(0.8%+5d) 750V ±(1.2%+10d)	2m/20mA ±(0.8%+10d) 200mA ±(1.2%+8d) 10A ±(2.0%+5d)	2mA ±(1.0%+15d) 200mA ±(2.0%+5d) 10A ±(3.0%+10d)	200Ω ±(0.8%+5d) 2k/20k/200k/2MΩ ±(0.8%+3d) 20MΩ ±(1.0%+25d) 200MΩ ±(5%+reading-10) + 30d]	2kHz ±(3.0%+18d) 200kHz ±(3.0%+18d)	20nF ±(2.5%+20d) 20μF ±(2.5%+20d) 200μF ±(5.0%+10d)	-20~400°C ±(1.0%+5d) 400~1000°C ±(1.5%+15d)	Mechanically Prevents Mistaken Operation
MT-1232	400mV/4/40/400V ±(0.5%+4d) 600V ±(1.0%+4d)	4/40/400V ±(0.8%+6d) 600V ±(1.0%+6d)	400μ/4000μA ±(1.0%+10d) 40m/400mA ±(1.0%+10d) 10A ±(1.2%+10d)	400μ/4000μA ±(1.5%+10d) 40m/400mA ±(1.5%+10d) 10A ±(2.5%+15d)	400Ω ±(0.8%+5d) 4k/40k/400k/4MΩ ±(0.8%+4d) 40MΩ ±(1.2%+10d)	1/10/100Hz ±(0.5%+10d) 1k/10k/100kHz ±(0.5%+10d) 1M/10MHz ±(0.5%+10d)	4nF ±(0.5%+90d) 40n/400n/4μ/40μF ±(3.5%+8d) 100μF ±(5.0%+8d)	-20~400°C (0~750°F) ±(1.0%+5d) 400~1000°C (750~1832°F) ±(1.5%+15d)	
MT-1210	200mV ±(1.0%+2d) 2/20/200V ±(1.0%+2d) 500V ±(1.2%+5d)	200V ±(2.5%+10d) 500V ±(2.5%+10d)	200μA ±(2.0%+5d) 2m/20m/200mA ±(2.0%+5d) 10A ±(3.0%+5d)		200Ω ±(1.0%+5d) 2k/20k/200kΩ ±(1.0%+5d) 2MΩ ±(1.5%+5d)				



MT-1610 3 In 1 Network Digital Multimeter



TESTERS



RJ-45 Cable test



RJ-45 / RJ-11 terminal

3 in 1 for testing RJ-45 cable, RJ-11 cable and Digital multimeter function

Features:

- 3 1/2 digits 1999 counts.
- 0.8% best accuracy.
- RJ-45/RJ-11 Cable test
- Functions: DC voltage, AC voltage, DC current, AC current, resistance, continuity with buzzer, diode test, battery check.
- Extra functions: backlight, data hold, low battery indication.
- Battery: 6F22(9V). (Not included)
- Size(mm/inch): 185×85×44/7.3×3.4×1.7
- Accessory: Pouch
- Individual package: Color box.

Model No.	DCV	ACV	DCA	ACA	Resistance	Special function
MT-1610	200m/2/20/200V ±(0.8%+2d) 1000V ±(1.2%+3d)	200mV ±(1.2%+3d) 2/20/200V ±(0.8%+3d) 700V ±(1.2%+5d)	200μ/2m/20mA ±(0.8%+3d) 200mA ±(1.5%+2d) 10A ±(2.0%+5d)	200μA ±(2.0%+3d) 2m/20mA ±(1.0%+3d) 200mA ±(1.8%+3d) 10A ±(3.0%+5d)	200Ω ±(0.8%+3d) 2k/20k/200k/2MΩ ±(0.8%+2d) 20MΩ ±(1.0%+2d) 200MΩ ±(5.0%+10d)	• RJ-45/RJ-11 Cable test for open circuits, shorts, miswires, reversals, and split pairs • Battery test 1.5/3/9V approx.



MT-4017 Light Intensity Meter



Cover and wrist strap included

Specifications:

- Display: 6 digits LCD display.
- Parameters: Lux(lm/m²); foot candle (lm/ft²).
- Range: 0~90000 Lux; 0~8300.0 ftc.
- Resolution: 1 Lux(0~90000 Lux), 0.1 ftc(0~8300.0 ftc).
- Accuracy: ±(3% +30d) to reference.
- Sample rate: 1 time/sec.
- Extra function: data hold, auto power off, low battery indication, Max/Min mode.
- Battery: AAA(1.5V) x 3.(Not included)
- Size(mm/inch): 121 x 60 x 30/4.8x2.4x1.2
- Individual package: Color box with carrying case and cover.



MT-4018 Sound Level Meter



Features:

- Dual display with analog bargraph.
- Auto/Manual range.
- Automatic shutdown / continuous working mode selection.
- Frequency weighting A Type.
- Range display.
- Sound OVER or UNDER display.
- Good circuit designed to save power.
- Small volume, large LCD.
- Low battery indication.

Specifications:

- Display: 4 digits LCD display with analog bargraph.
- Microphone: Electric condenser microphone.
- Response frequency: 31.5Hz~8KHz.
- Frequency weighting: A Type.
- Range: 30~60dB, 50~80dB, 70~100dB, 90~120dB.
- Resolution: 0.1 dB.
- Accuracy: 30~60dB ±3 dB; 60~120dB ±2 dB.
- Time response: Analog bar: 125ms ; Digital :750ms.
- Standard applied: IEC651 Type2, ANSI S1.4 Type 2.
- Battery: AAA(1.5V) x 3.(Not included)
- Size(mm/inch): 156 x 60 x 32/6.1x2.4x1.3
- Individual package: Color box with carrying case.

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CHIMMERS

STRIPPERS

PUNCHDOWN TOOLS

SOLDERING / ASSEMBLY

SCREWDRIVERS/ BITS

HEX KEY/ WRENCHES

TWEZERS

MT-3266 3 1/2 Hand Held Digital Clamp Meter



New



- Comply with CE safety standards
- Portable and simple one-hand operation
- Display: 3 1/2 digits 1999 counts
- Max. jaw opening: 50mm(2.0")



Electrical	
Counter	1999
Digits	3 1/2
DC(V)	1000 V ± (1%+2d)
AC(V)	750 V ± (1.5%+4d)
AC(A)	200A ±(3.0%+5d) 1000A ±(3.0%+5d)
Resistance(Ω)	200Ω ±(2%+2d) 20KΩ ±(1%+1d)
High Resistance(Ω)	20MΩ ±(2%+2d) 2000MΩ≤500M ±(4%+2d) 2000MΩ>500M ±(5%+2d)
Continuity with beeper	Y
Display hold	Y
Low battery indication	Y
Battery	9V carbon-zinc or alkaline battery (not included)
Size (D×W×H)mm/inch	230 x 70 x 37/9.1x2.8x1.5
Weight (g)	240g (without battery)
Operating Temperature & Humidity	0°C~50°C & <80%RH
Storage Temperature & Humidity	-20°C~60°C & <80% RH
Individual Packing	Double blister

MT-3102 3 1/2 2A Mini Digital Clamp Meter



New



- Comply with CE safety standard
- Portable and simple one-hand operation
- 3 1/2 digits 1999 counts
- With Data Hold, Sleep Mode, Relative Mode and auto power off function
- Max. jaw opening: 30mm(1.2")



Electrical	
Counter	1999
Digits	3 1/2
DC(V)	200mV ± (0.8%+5) 2V/20V/200V ± (0.8%+ 3) 600V ± (1.0%+ 5)
AC(V)	2V/20V/200V± (1.2%+ 5) 600V ± (1.5%+5)
AC(A)	2A ± (4%+20) ≤0.4A ± (3.0%+15) 20A ± (3%+15) ≤4A ± (2.0%+10) 200A ± (2%+5) 400A± (2%+5)
Resistance(Ω)	200Ω ±(1.2%+5) 2KΩ/20KΩ/200KΩ±(1%+3)
High Resistance(Ω)	2MΩ ±(1.2%+5) 20MΩ ±(1.5%+5)
Temperature °C/°F	-40°C~1000°C -40°C~0°C ±(3%+4) 0°C~400°C ±(1%+3) 400°C~1000°C ±(2%+10) -40°F~32°F ±(3%+8) 32°F~752°F ±(1%+6) 752°F~1832°F ±(2%+18)
Continuity with beeper	Y
Display hold	Y
Low battery indication	Y
EN61010-1 CAT II	Y
Battery	3 x 1.5V AAA batteries (not included)
Size (D×W×H)mm/inch	203 x 68 x 33/8.0x2.7x1.3
Weight (g)	190g (without batteries)
Individual Packing	Double blister

NT-306 Non-Contact Voltage Detector



New



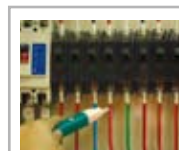
- Built-in white LED illumination light provides convenient work in dark areas
- Detects AC voltage from 90 to 1000 VAC without metallic contact
- Compact size with pocket clip easily fits into pockets or tool pouches
- Red LED and audible alarm if voltage is present
- Entire outer surface is non-conductive for safety, helps avoid high voltage shock
- Powered by two 1.5V AAA batteries (not included)
- CAT IV 1000V Safety rating.
- Applications: Electricians, maintenance staffs, service and safety personnel, and even homeowners
- Individual packing: Blister card



Red LED and audible alarm if voltage is present



Built-in white LED illumination light



Detects AC voltage from 90 to 1000 VAC

Warning:
• Never test voltage more than 1000 VAC
• Test voltage range: 90V~1000 VAC



400-029/400-030

Receptacle Testers**400-029****400-030**

- Tests for correct wiring, open ground, reverse polarity, open hot, open neutral, hot on neutral, hot and ground reversed with open hot and ground fault interruption in 3-wire, 120VAC circuits
- Model 400-030 features proper operation GFI receptacles testing.
- Individual packing: Blister card

Light pattern indicates condition of wiring.

OPEN GROUND Ground contact not connected	HOT/GRD REVERSE Hot and ground contacts interchanged
OPEN NEUTRAL Neutral contact not connected	OPEN NEUTRAL Hot and neutral contacts interchanged
OPEN HOT Hot contact not connected	CORRECT Receptacle is wired correctly

● Red is on
 ● Amber is on
 ○ Light is off

**6HP-9xxx Series Oscilloscope Probe Kit**

- Switchable X1/X10 attenuation with reference switch positions.
- Break-resistant center conductor & wide compensation range.
- Flatter response, sharper leading edges.
- Faster rise time and replaceable cable probe head tip and ground lead.
- Max. input voltage: 600V (DC-peak AC).
- Includes BNC adapter, IC tip, insulating tip & trimming tool.
- Individual packing: Pouch

Switchable series							
Model No.	Attn.	Readout	Input impedance	Band width	Resetime	Max input V	Compensation range
6HP-9060	x1	No	1MΩ 90PF	6MHz	58ns	600VDC	NA
	x10		10MΩ 18PF	60MHz	5.8ns		10-35PF
6HP-9100	x1	No	1MΩ 47PF	6MHz	58ns	600VDC	NA
	x10		10MΩ 16PF	100MHz	3.5ns		10-35PF
6HP-9150	x1	No	1MΩ 47PF	6MHz	58ns	600VDC	NA
	x10		10MΩ 15PF	150MHz	2.3ns		10-35PF
6HP-9250	x1	No	1MΩ 47PF	6MHz	58ns	600VDC	NA
	x10		10MΩ 14PF	250MHz	1.4ns		10-35PF

TESTERS

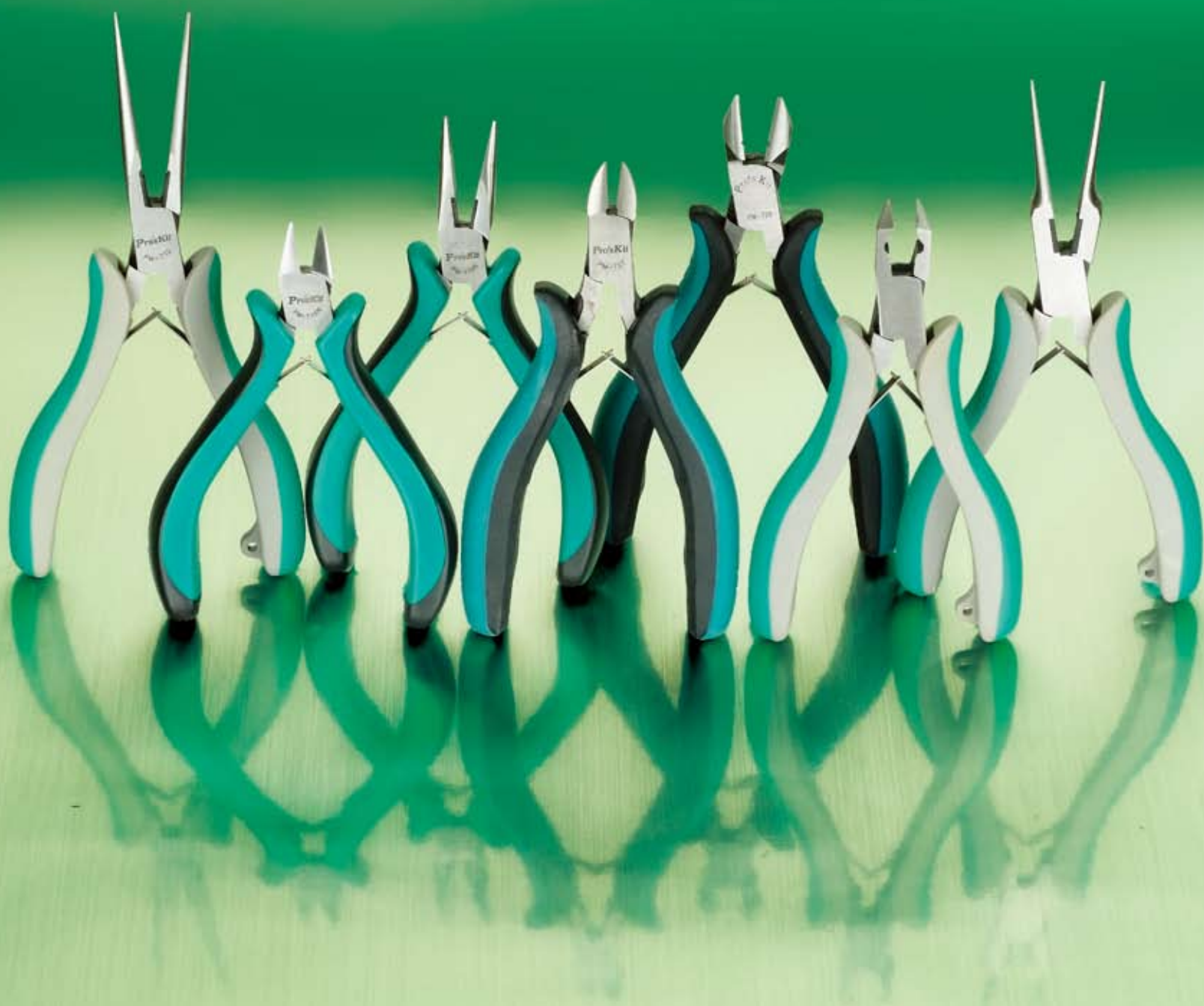
PRECISION PLIERS
& CUTTERSELECTRICAL PLIERS
& CUTTERSKNIVES, SCISSORS
& SAWS

CRIMPERS

STRIPPERS

PUNCHDOWN
TOOLSSOLDERING /
ASSEMBLYSCREWDRIVERS/
BITSHEX KEY/
WRENCHES

TWEEZERS

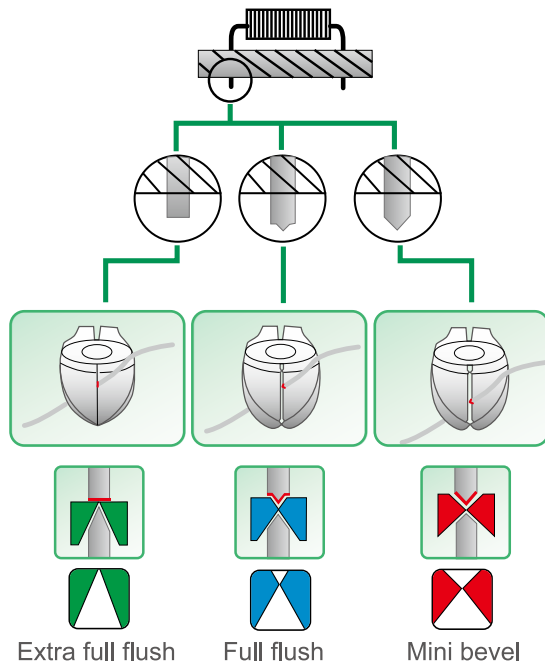


PRECISION PLIERS & CUTTERS

PRECISION PLIERS & CUTTERS

Pro'sKit® Precision Pliers

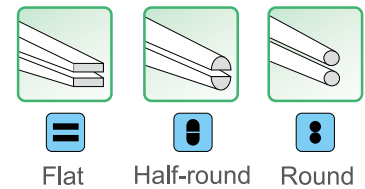
Cutting edge shapes:



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.

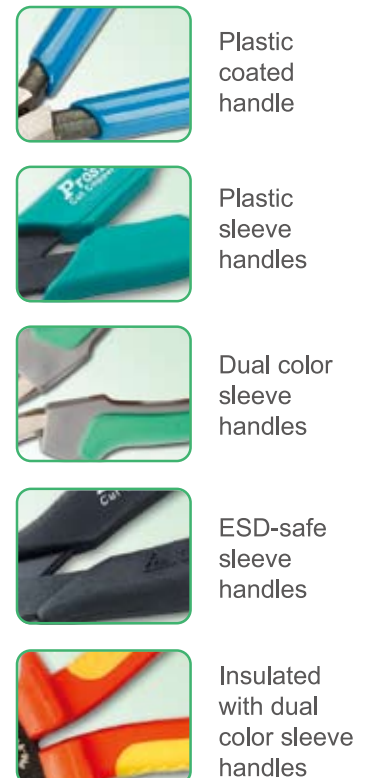
Basic shapes of jaws :



Gripping surfaces:



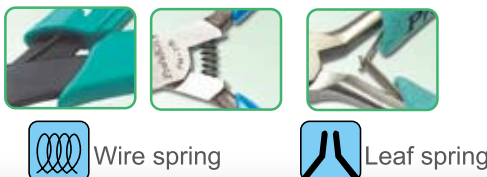
Handles:



Finish of Pliers:



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.



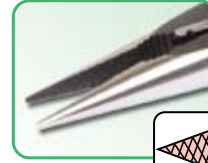
Leaf spring

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

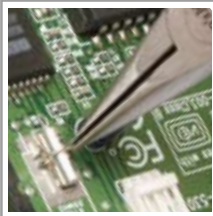
Smooth jawed pliers are unlikely to mar objects but do not provide good grip. Suited for flattening wire, flattening pins and precision assembly work.

Shapes of jaws:

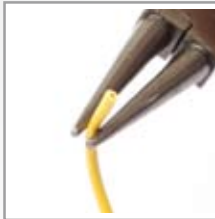
- **Flat jaws** : Mainly used in gripping and holding flat or square objects securely and for making angular bends. Insides of jaws may be smooth or serrated. Usually used on electric pliers and electronic flat nose pliers.



- **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.

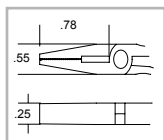
Safety Caution



- 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.



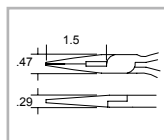
PM-731 Mini Lineman's Plier



Unit: inch



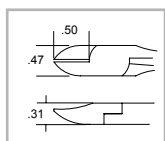
PM-736 Long Nose Plier



Unit: inch



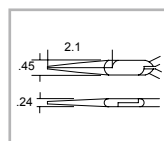
PM-737 Diagonal Cutting Plier



Unit: inch



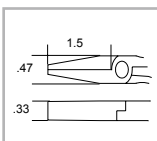
PM-746 Needle Nose Plier



Unit: inch



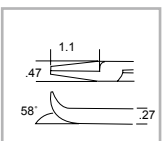
PM-754 Flat Nose Plier



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



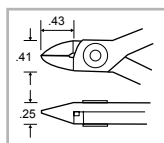
Smooth surface is cut
(By PM-721/PM-723)



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

PM-721

Diagonal Semi-Flush Cutting Nipper

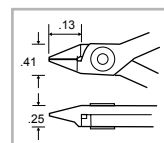


Unit: inch



PM-723

Diagonal Flush Cutting Nipper

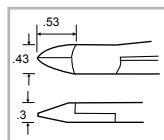


Unit: inch



PM-727

Cutting Plier

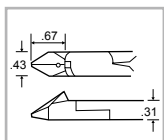


Unit: inch



PM-728

Cutting Plier

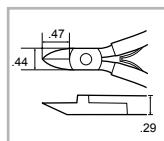


Unit: inch



902-078

4 1/2" Precision Cutting Plier

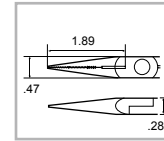


Unit: inch



902-079

5" Extra Long Nose Plier

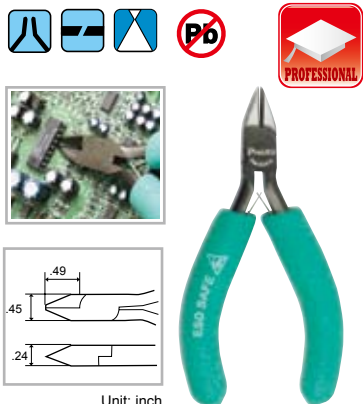


Unit: inch



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



PM-029CN 5" Round Nose Plier



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

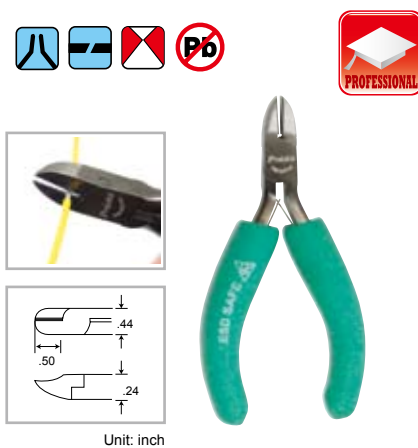


ESD safe cushioned grips for superior comfort and protection 10⁷~10⁹ Ω

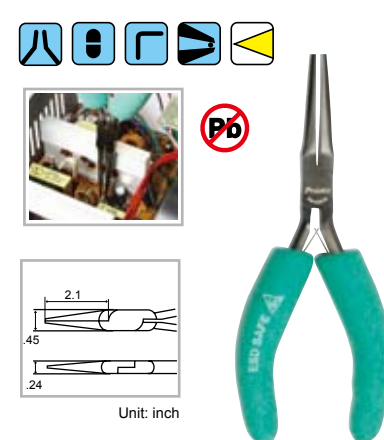
PM-036CN 5" Snipe Nose Plier



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



PM-046CN 6" Needle Nose Plier



PM-053CN 5" Flat Nose Plier



PM-055CN 5" Bent Nose Plier



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



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

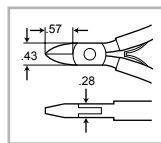
High grade alloy
steel, hot drop
forged, oil hardened
and tempered for
long life and perfect
precision work

Mirror polished
surface, no
flaking, no
corrosion

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



200-056

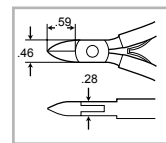


Unit: inch

4 1/2" Semi-Flush
Diagonal Cutter



200-057

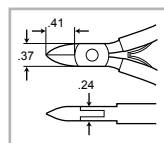


Unit: inch

4 1/2" Full-Flush
Diagonal Cutter



200-058

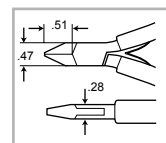


Unit: inch

4 1/2" Slim Full
Flush Diagonal
Cutter



200-059

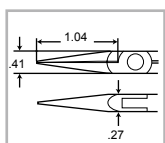


Unit: inch

4 1/2" Full-Flush
Straight Side
Cutter



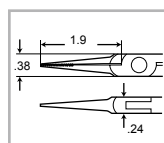
100-011 5" Needle-Nosed
Plier



Unit: inch



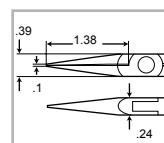
100-012 6" Needle-Nosed
Plier



Unit: inch



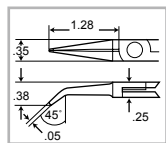
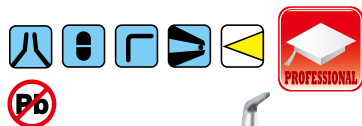
100-013 5 1/2" Needle-
Nosed Plier



Unit: inch



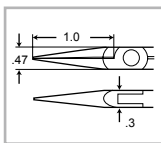
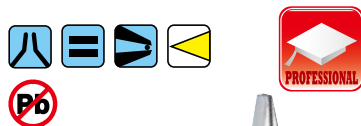
▶ 100-014 5 1/2" Bent-Nosed Plier



Unit: inch



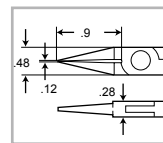
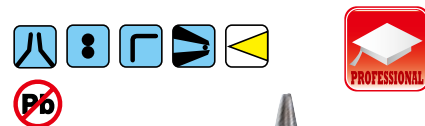
▶ 100-015 5 1/2" Flat-Nosed Plier



Unit: inch



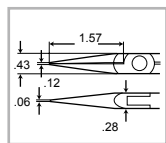
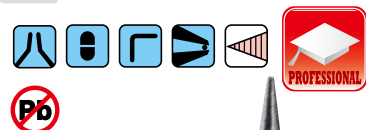
▶ 100-016 5 1/2" Round-Nosed Plier



Unit: inch



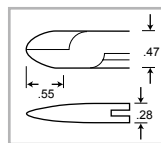
▶ 100-017 6" Needle-Nosed Plier



Unit: inch



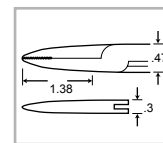
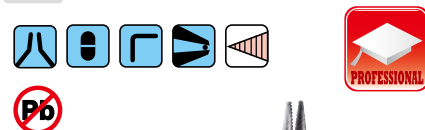
▶ 200-067 5" Side Cutting Plier



Unit: inch



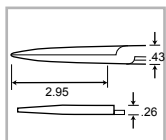
▶ 100-025 5" Long-Nosed Plier



Unit: inch



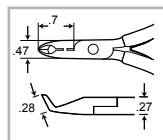
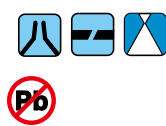
▶ 100-006 7 1/2" Long-Nosed Flat Blade Plier



Unit: inch



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



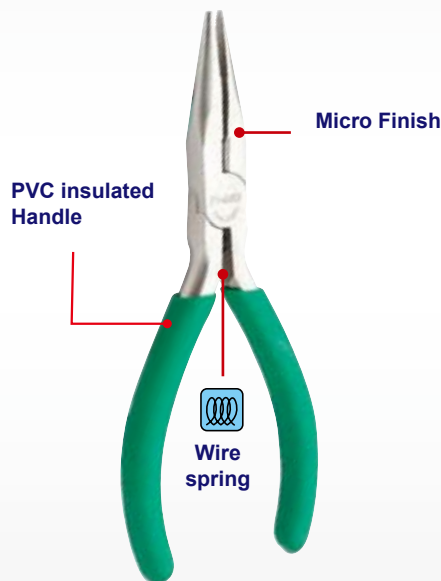
Unit: inch



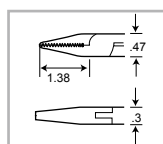
Model No.	Material	HRC Body	Application			OAL. (mm/ inch)	Individual packing
			Hard steel	Soft steel	Copper		
200-056	AISI420	45°±3°	Ø 0.8mm /20AWG	Ø 1.3mm /16AWG	Ø 2.0mm /12AWG	110/4.3	Blister card
200-057	AISI420	45°±3°	Ø 0.8mm /20AWG	Ø 1.3mm /16AWG	Ø 2.0mm /12AWG	110/4.3	Blister card
200-058	AISI420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

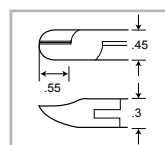


Unit: inch



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

200-037 4 1/2" Diagonal Cutter Plier

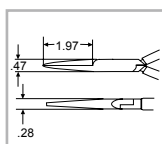
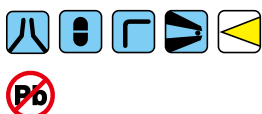


Unit: inch



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

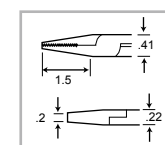
100-042 6" Needle-Nosed Plier



Unit: inch



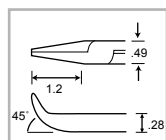
100-044 5" Flat-Nosed Plier



Unit: inch



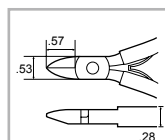
100-004 5" Bent-Nosed Plier



Unit: inch



200-087 5" Heavy Duty Cutter



Unit: inch

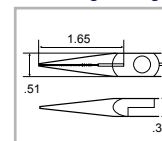


Cutting capacity:
Ø0.5mm piano wire (under HRC≤ 45°)

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



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



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)



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.

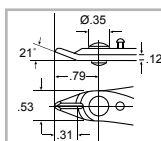
Lanyard hole
for easy
carrying

Wire spring



200-002

5" Economy Flush Cutter

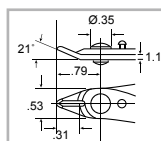


Unit: inch



200-071

5" Precision Flush Cutter



Unit: inch



902-075/902-076

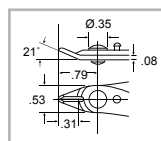
5" Micro Cutting Plier



902-076



with safety clip

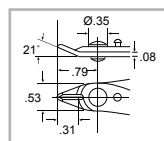


Unit: inch



902-077

5" Micro Cutting Plier

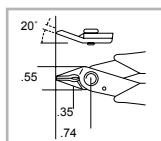


Unit: inch

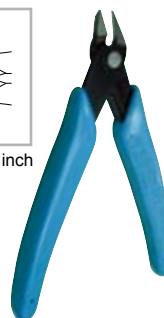


902-011

5" Micro Cutter

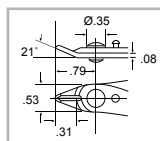


Unit: inch



200-088

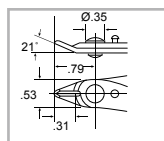
5" Micro Cutter



Unit: inch



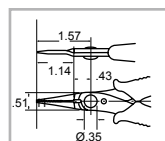
200-092 5" Micro Cutter



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



ELECTRICAL PLIERS & CUTTERS

Electrical Insulated Tools

Pro'sKit® Insulated VDE Series come with high visibility molded ergonomic cushion handles for maximum comfort to ensure full force transfer through the grip. They also have been tested for dielectric strength under 10,000 Volt in a water bath in accordance with DIN EN 60900 (IEC 60900:2004) to encourage the users to trust a reliable insulation when live working up to 1000 Volt.

VDE tools are often used under extreme conditions, such as very low or very high temperature. Pro'sKit Insulated VDE Series are made from high grade materials, which have been tested by low-temperature impact test, high-temperature adhesive power test and burning test to offer more safety to users.



Safety Caution



- Please keep your insulated tools dry and clean.
- Wear protective goggles and gloves when working.
- Do not touch the non-insulated parts when working live.

Testing Procedure



Dielectric Strength Test

Individual immersion test at 10,000 Volt to guarantee safety working up to 1000 Volt.



Low-temperature Impact Test

Cool the tools to -40°C then conduct the impact test. The insulation must retain its toughness and not break.



High-temperature Adhesive Power Test

After storage for 168 hours at 70°C, pull the insulated part with tensile force of 500Nm for 3 minutes. This test ensures that the insulation still stays firm and remain snug against the tool body.



Burning Behavior Test

Pro'sKit® insulated tools use flame-resistant plastics for insulation to protect users.

902-202 Insulated Wire Stripping Plier



902-203 Insulated Combination Plier



Insulated VDE Pliers

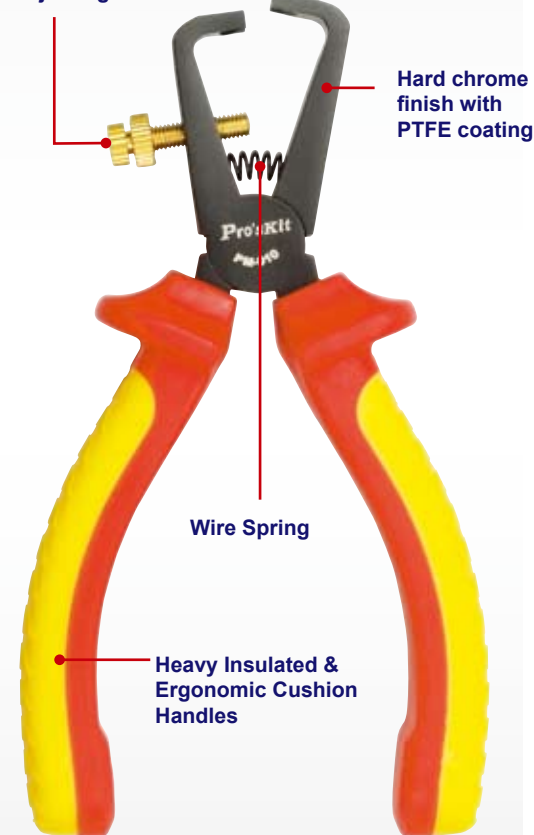
- Certified to IEC 60900: 2004, VDE, and DIN 1000V safety standards and bear GS sign.
- High visibility molded ergonomic cushion handle for maximum comfort.
- Hard chrome finish with PTFE coating for anti-rust protection. Drop forged from special tool steel.



1000V 05
IEC 60900 : 2004



Adjusting Screw



902-204 Insulated Combination Plier



902-205 Insulated Heavy Duty Side Plier



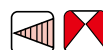
902-206 Insulated Side Cutter



902-207 Insulated Long Nose Plier



902-208 Insulated Long Nose Plier



Model No.	Material	HRC	Application		OAL. (mm/inch)	Individual packing
		Body	Hard steel	Soft steel		
902-202	AISI 6150	46°±4°	Adjustable to accept conductors up to 10mm ² overall diameter		160/6.3	Blister card
902-203	AISI 6150	46°±4°	Ø2.5mm/10AWG	Ø3.8mm/8AWG	200/7.9	Blister card
902-204	AISI 6150	46°±4°	Ø2.0mm/12AWG	Ø3.1mm/8AWG	160/6.3	Blister card
902-205	AISI 6150	46°±4°	Ø2.7mm/10AWG	Ø3.8mm/8AWG	200/7.9	Blister card
902-206	AISI 6150	46°±4°	Ø2.0mm/12AWG	Ø2.8mm/10AWG	160/6.3	Blister card
902-207	AISI 6150	46°±4°	Ø2.2mm/12AWG	Ø3.2mm/8AWG	200/7.9	Blister card
902-208	AISI 6150	46°±4°	Ø1.6mm/14AWG	Ø2.5mm/10AWG	160/6.3	Blister card

High Leverage Pliers

- New mechanical design, up to 50% cutting force savings over regular pliers.
- Induction-hardened cutting edges stay sharp for a long service life, hardness approx. HRC56°~62°
- Hot-riveted joint ensures smooth action and no handle wobble.
- Made from Cr-V steel with nickel plating for corrosion resistance.
- Ergonomically shaped non-slip TPR handle for user comfort.

Material: 60Cr-V
Cutting edge: HRC56°~62°

Nickel plating
for corrosion
resistance

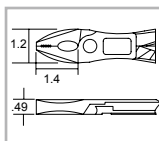
New mechanical
design, up to 50%
force saving

Ergonomically shaped non-slip TPR handle



PM-931

8.5" High Leverage Combination Cutting Plier



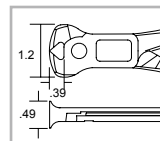
Unit: inch

New



PM-934

High Leverage End Cutting Plier



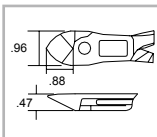
Unit: inch

New



PM-936

8" High Leverage Diagonal Cutting Plier



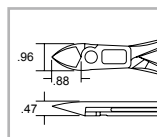
Unit: inch

New



PM-937

7" High Leverage Diagonal Cutting Plier



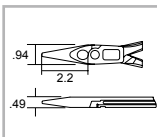
Unit: inch

New



PM-938

8" High Leverage Long Nose Plier



Unit: inch

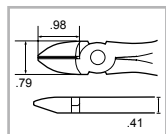
New



Model No.	Material	HRC	Application	OAL.(mm/inch)	Individual packing
		Cutting edge	Steel wire		
PM-931	60Cr-V	56°~62°	Ø 2.2mm/12AWG (HRC40°~43°)	215/8.5	Blister card
PM-934	60Cr-V	56°~62°	Ø 2.2mm/12AWG (HRC40°~43°)	189/7.4	Blister card
PM-936	60Cr-V	56°~62°	Ø 2.2mm/12AWG (HRC40°~43°)	201/7.9	Blister card
PM-937	60Cr-V	56°~62°	Ø 2.2mm/12AWG (HRC40°~43°)	177/7.0	Blister card
PM-938	60Cr-V	56°~62°	Ø 2.2mm/12AWG (HRC40°~43°)	207/8.2	Blister card



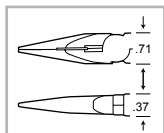
200-038

6" Diagonal Cutter

Unit: inch



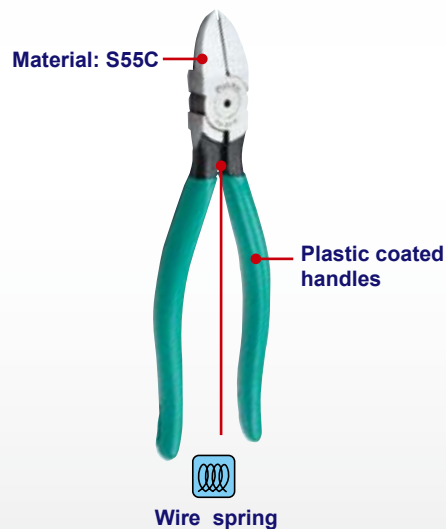
100-021

6" Needle-Nosed Plier

Unit: inch

**Plastic Cutting Pliers**

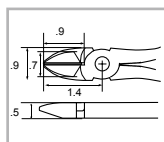
- Made of high quality carbon steel with fine polish finish.
- Perfectly mated cutter, hardened and tempered of all cutting edges
- Precision pliers for cutting rigid plastic easily



These pliers are made for plastic cutting only.



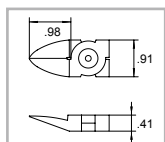
902-246

8" Side Cutting Plier

Unit: inch



902-049

Plastic Cutting Plier

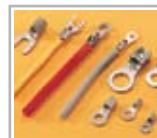
Unit: inch



100-039

Multi-Crimp Tool

- Wire cutter in nose
- Plastic-coated handle
- For crimping non-insulated terminals from 10 to 22 AWG



Model No.	Material	HRC	Application			OAL. (mm/inch)	Individual packing
		Body	Hard steel	Soft steel	Copper		
200-038	S60C	48°±3°	Ø1.2mm/16AWG	Ø2.0mm/12AWG	Ø2.6mm/10AWG	165/6.5	Blister card
100-021	S60C	48°±3°	Ø1.2mm/16AWG	Ø2.0mm/12AWG	Ø2.6mm/10AWG	165/6.5	Blister card
902-246	S55C	45°±3°	Ø8mm/20AWG	Ø2.0mm/12AWG	Ø2.6mm/10AWG	200/7.9	Blister card
902-049	S55C	45°±3°	For plastic cutting only			185/7.3	Blister card
100-039	S60C	42°±3°	Ø1.6mm/14AWG	Crimping: Non-insulated terminal 10 ~ 22 AWG		248/9.8	Blister card

TESTERS

PRECISION PLIERS
& CUTTERSELECTRICAL PLIERS
& CUTTERSKNIVES, SCISSORS
& SAWS

CRIMPERS

STRIPPERS

PUNCHDOWN
TOOLSSOLDERING /
ASSEMBLYSCREWDRIVERS/
BITSHEX KEY/
WRENCHES

TWEEZERS

Professional Electrical Pliers & Cutters

- High leverage powerful diagonal cutter
- Serrated jaw provides a firm grip
- High quality PVC handle will not easily come off
- Cutting capacity: piano wire $\varnothing 2.5\text{mm}$ (.10") under HRC 50°



PM-923 9" Lineman's Tungsten Plier



New



902-307 9.5" Lineman's Plier



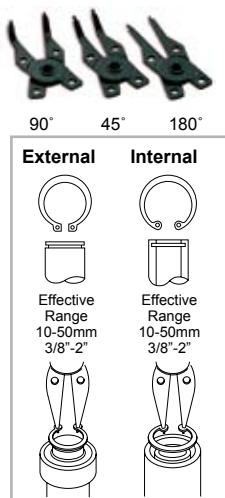
New



100-022 Snap Ring Plier Set



- 3 tip jaws in 1-180°, 90°, 45°
- Combination internal-external effective range 10-50mm
- Convertible tip jaw can be changed easily for 6 different internal-external purposes.



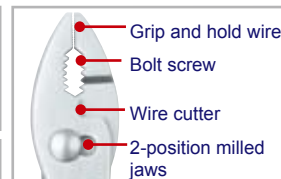
300-151 Strain Relief Bushing Assembly Tool



- Designed to install all sizes of strain relief bushing
- Close lock and return spring function



100-033 6" Slip-Joint Plier



Plastic coated handle Non-slip



Model no.	Material	HRC		Application			OAL.(mm/inch)	Individual packing
		Body	Cutting edge	Hard steel	Soft steel	Copper		
PM-923	SAE 6150 + Tungsten	45°±3°	78°±3°	Piano wire: $\varnothing 2.5\text{mm}$ /10AWG (under HRC<50°)	$\varnothing 3.0\text{mm}$ /8AWG	$\varnothing 5.5\text{mm}$ /4AWG	225/8.9	Blister card
902-307	Cr-V	45°±3°	-	Piano wire: $\varnothing 2.5\text{mm}$ /10AWG	$\varnothing 3.0\text{mm}$ /8AWG	-	238/9.5	Blister card
100-022	S45C	43°±3°	-	Effective range: 10~50mm/3/8"-2"	-	-	155/6.1	Blister card
300-151	Low carbon steel	HR30N 58°	-	Thickness: 3mm/1/8"	-	-	170/6.7	Blister card
100-033	S45C	38°±3°	-	-	-	-	154/6.1	Blister card

▶ 200-068/200-013/200-069 Forged Cable Cutter



- This heavy duty cable cutter has high-leverage jaws. with shear-cut blades.
- Do not cut steel or ACSR.
- Plastic coated handle.



Cuts up to 38mm²/3AWG aluminum and copper cables



200-068

200-013

200-069

Model No.	Material	HRC		Handle	Application		OAL. (mm/inch)	Individual packing
		Body	Cutting edge		Copper cable	Aluminum cable		
200-068	SCM 440	45°±3	60°±5°	PVC	25mm ² flexible/4AWG	25mm ² stranded/4AWG	160/6.3	Blister card
200-013	SCM 440	45°±3	60°±5°	PVC	38mm ² flexible/3AWG	38mm ² stranded/3AWG	210/8.3	Blister card
200-069	S45C	45°±3	60°±5°	PVC	16mm ² solid/4AWG 35mm ² stranded/2AWG 70mm ² flexible/00AWG	70mm ² stranded/00AWG	235/9.3	Blister card

▶ 200-015 6 1/2" Round Cable Cutter



▶ 200-046 Round Cable Cutter



Model No.	Material	HRC Body	Handle	Application	OAL.(mm/inch)	Individual packing
200-015	S45C	45°±3°	PVC	Multi-conductor cable up to 0.5" (12.7mm) Strand wire up to 8 AWG (10mm ²)	165/6.5	Blister card
200-046	S45C	45°±3°	PVC	Thick wire up to AWG 2/0 (70mm ²) cable 100 pair group telephone cable RG-174/RG-9 coax size	215/8.5	Blister card

▶ 902-303 12" Heavy Duty Cable Cutter



- SCM4 Chrome-Vanadium-Steel forged, efficient and secure in operation.
- Alloy-Aluminum handle, treated by T6 heat, strong durable and handy.

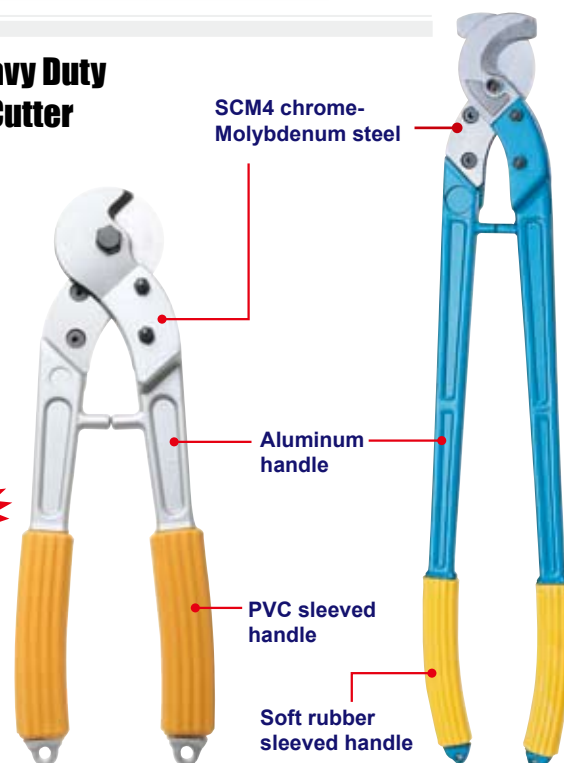


▶ 200-043 24" Heavy Duty Cable Cutter



New

Model No.	Material	HRC	Application	OAL. (mm/inch)	Individual packing
902-303	Blade: SCM4	Blade: 52°±2°	Steel rod: Ø5mm max. Wire rope: Ø7mm max. Copper: 60mm ² max. 0AWG	310/12.3	Inner box
200-043	Blade: SCM4	Blade: 52°±2°	Copper cable: DIN 250mm ² 500AWG	600/23.6	Inner box + Color label



902-303

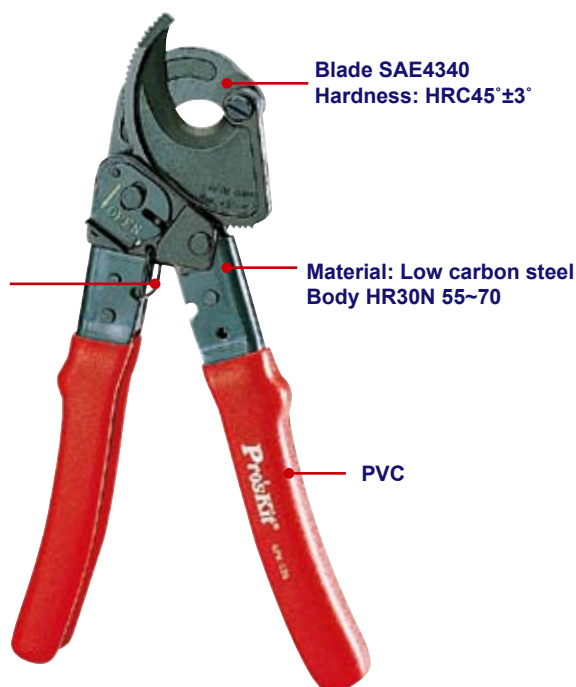
200-043



200-006

Heavy Duty Cable Cutter

- Cuts 32mm(1-1/4") and smaller hard-drawn copper and aluminum cables. Case hardened blades improve performance and cutting life. Unique ratchet design ensures a non-slip cut, and increases cutting power on tough jobs.
- Cuts up to 32mm(1-1/4") diameter cable-500MCM or 200 Pair Communication cable

Ratching force-saving
designBlade SAE4340
Hardness: HRC45°±3°Material: Low carbon steel
Body HR30N 55~70

PVC



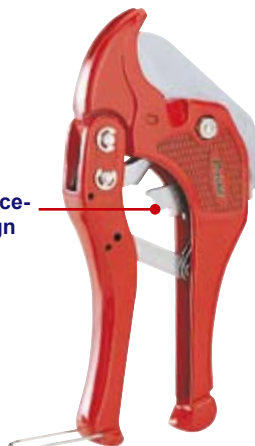
SR-008

PVC Pipe Cutter (Economy type)

- Ideal for cutting PVC, Aluminum or plastic pipes

Best Value

200-039

Plastic Pipe CutterRatching force-saving
design

200-063

Wire Rope and Armored Cable Cutter

- Special cutting action for cutting wire strand armored cable, electric cable, metal wire and rods.
- Distortion free cut
- Spring loaded handle



Model No.	Material		HRC		Application	Replacement blade	OAL. (mm/inch)	Individual packing
	Body	Blade	Body	Cutting edge				
200-006	Low carbon steel	SAE 4340	HR 30N 55~70	45°±3°	500MCM Copper & Aluminum cable	200-034 (Moving blade) 200-035 (Fixed blade)	254/10	Blister card
SR-008	Aluminum alloy	3Cr13	-	53°±3°	Product characteristics: cuts PVC, Aluminum or plastic pipes. Scope of cut: rigid plastic pipes to a maximum diameter of 26mm	-	210/8.3	Blister card
200-039	Aluminum alloy	SK5	-	-	Ø6~42mm/ 1/4"~5/8" OD. plastic pipes	200-045	195/7.7	Blister card
200-063	S55C+PVC	SK5	-	55°±3°	Cutting: Ø4mm/6AWG (Copper) Wire rope: Ø1.5mm/14AWG spring wire	-	190/7.5	Blister card

**SR-538****Ratchet Cable Cutter**

- Unique ratchet mechanism design ensures a non-slip cut, and increases cutting power on tough jobs
- Ergonomic non-slip handle with handle locks design for user comfort and easy tool storage



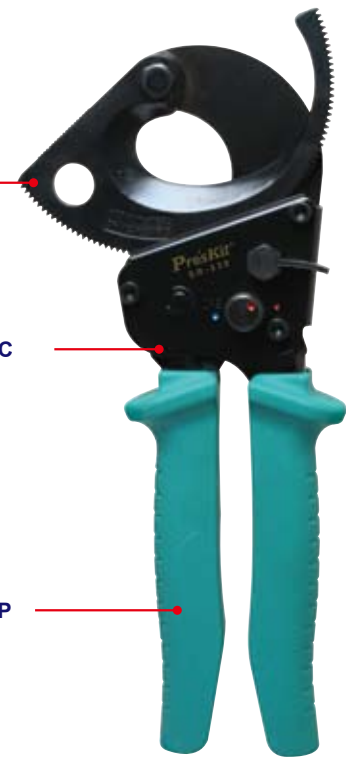
Cutting cables up to
750MCM (300mm²)

Not designed for cutting steel or ACSR

Material: SAE4340
Cutting edge: HRC 45°±2

Material: S45C

PP

**902-306****ACSR Cutter**

- Ideal for cutting steel wire, low carbon steel bar and aluminum cable
- Blade return is available during cutting
- Ratchet mechanism for convenient handle operation control
- With heavy duty blade



Cu-Al Cable
Up to 750MCM (Ø1.2")



ACSR
Up to 750MCM (Ø1.2")



Prestressed steel wire
Up to Ø0.55"



Packaged with a bag



Telescoping handle 4"~15-3/4"



Model no.	Material		HRC		Application	Replacement blade	OAL. (mm/inch)	Individual packing
	Body	Blade	Body	Cutting edge				
SR-538	S45C	SAE 4340	-	45°±3°	750MCM(300mm ²) Copper and Aluminum cable	5SR-538-RB (Moving blade) 5SR-538-FB (Fixed blade)	280/11	Inner box+color label
902-306	Carbon steel	High quality steel	51°	58°	Cu-Al cable: Up to 750MCM(Ø1.2") ACSR: Up to 750MCM(Ø1.2") Prestressed steel wire: Up to Ø0.55"	-	360-510/14.2-20	Inner box

TESTERS

PRECISION PLIERS
& CUTTERSELECTRICAL PLIERS
& CUTTERSKNIVES, SCISSORS
& SAWS

CRIMPERS

STRIPPERS

PUNCHDOWN
TOOLSSOLDERING /
ASSEMBLYSCREWDRIVERS/
BITSHEX KEY/
WRENCHES

TWEZERS



KNIVES, SCISSORS & SAWS

902-253 Utility Folding Knife



902-253

902-317 Carton Cutter



Carton cutter



Scraper

New

2pcs/pack



- All metal made cutter and cover for safe usage, equipped with standard replaceable single-side razor blade
- Reverses to become a scraper
- Lightweight and compact design with easy blade change
- Excellent cutter for cutting corrugated, paper, films, acetates, cardboard, and more

902-318 Utility Cutter

New



Blade locks with
3 positions



- Body is made of durable heavy duty aluminum alloy, corrosion resistant.
- Single screw design for easy blade change.
- Retractable blade with 3 adjustable positions of locking mechanism to prevent injuries.
- Ergonomic handle with loop design for comfortable use and easy hanging.

DK-2112 Auto Loading Utility Knife



New



Blade storage compartment



- Comfortable ergonomic shaped handle with non-slip TPR grip
- Automatic blade reload for effortless and quick blade changes
- Convenient blade storage compartment holds up to 6pcs blades (blades included)
- Perfect for cutting carpet, cardboard, upholstery, sheetrock and more.

902-319 Electrician's Knife



Self-locking

New



- High quality stainless steel blade construction for extra strength and durability
- Both a heavy duty knife for cutting cable easily and for stripping wires encased in a durable composition handle
- Flathead screwdriver blade with self-locking system for safety.
- Rugged bail hangs onto belt clasp for convenient carrying
- Black composition handle with brass liners, non-slip

PD-998 Electrician's Knife



Stripping cable

New



- High quality stainless steel, large curved hawk bill blade offers durability and artistic appearance
- Ideal for heavy-duty line work

Model No.	Material		OAL. (mm/inch)	Individual packing
	Handle	Blade		
902-253	Zinc Alloy	#60 Carbon Steel	90/3.6	Blister card
902-317	Stainless Steel	#60 Carbon Steel	101/4	Blister card
902-318	Aluminum Alloy	#60 Carbon Steel	155/6.1	Blister card
DK-2112	Zinc Alloy+TPR	SK5	165/6.5	Blister card
902-319	Steel and Nylon	40Cr	95/3.6	Blister card
PD-998	ABS	3Cr13	110/4.3	Blister card

TESTERS

PRECISION PLIERS
& CUTTERS

ELECTRICAL PLIERS
& CUTTERS

KNIVES, SCISSORS
& SAWS

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PUNCHDOWN
TOOLS

SOLDERING /
ASSEMBLY

SCREWDRIVERS/
BITS

HEX KEY/
WRENCHES

TWEEZERS



PD-395A

30PCS Deluxe Hobby Knife Kit**Contents**

- 3pcs rubber coated handles
- 23pcs SK5 blades
- 2pcs scratch awl blades
- 1pcs each of tweezer and grindstone



902-322

Hobbyists Knife Set**Contents**

- 1pc PVC grip precision knife
- 2pcs Aluminum grip precision knives
- 10pcs assorted replacement high quality SK5 steel blades
- 1pc tweezer



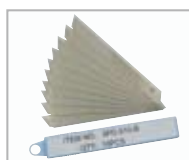
900-135

Cable Splicing Knife

- Short blade for strength
- Stainless-steel blade for long life
- Soft, easy to grip handle



900-257

Quick Point Snap-Blade Knife

Replacement blade
900-257B(10Pcs/Pack)

- Reinforced plastic body
- Includes 2 pcs blade inside
- Locking slide



900-169

Utility Knife

Replacement blade
900-169B(6Pcs/Pack)

- Blade thickness: 0.5mm
- includes 3 pcs blade inside



900-112/900-113

Precision Knife

- Surgically sharp knives with high-impact plastic safety cap.



Ø7mm

900-112



Ø11mm

900-113

Replacement blade:



900-112B
(10Pcs/Pack)



900-113B
(10Pcs/Pack)

Model No.	Material		OAL. (mm/inch)	Replacement blade	Individual packing
	Handle	Blade			
900-135	TPR	AISI420	165/6.5	-	Blister card
900-257	ABS	SK-5	140/5.5	900-257B (10pcs/pack)	Blister card
900-169	ABS+TPR	SK-4	170/6.7	900-169B(6pcs/pack)	Blister card
900-112	Aluminum	SK-5	145/5.7	902-112B(10pcs/pack)	Blister card
900-113	Aluminum	SK-5	150/5.9	900-113B (10pcs/pack)	Blister card

902-083 All Purpose Snip



Leather



Aluminum



- Cut cable, wire, cloth, carpet, leather, cardboard tin plate, branches, foam rubber and so on.
- Heavy-duty stainless steel blade.
- Dual-color, non-slip handle.

902-084 All Purpose Snip



Gardening



Cable



All Purpose Snip

- Designed to cut a variety of materials, such as cloth, carpet, linoleum, leather, cardboard tin plate, branches, foam rubber and so on.
- Made from stainless steel, resists rust and corrosion.
- Safety latch for easy storage
- Dual color TPR handle provides user comfort



Heavy-duty stainless steel blade

Dual-color Non-slip handle

Safety latch for easy storage



Wire

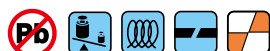


Copper



Gardening

902-082 All Purpose Snip



Wire



Leather



Gardening



Will work on finger duct

100-035 Fiber Optic Kevlar Cutter



Micro serrated



For cutting Kevlar fiber optic cable



100-009 Electrician's Scissor



- V-notches for stripping wire

100-049 Electrician's Scissor



Stripping



Cutting



- Designed for use in telephone and electrical service applications.
- Double stripping notches strip 18 and 22 AWG wire.
- Cut up to 16 AWG solid wire and 12 AWG stranded wire.
- Scraper and file on side edge of blade.
- Cutting blade length: 47mm

SR-333 Micro Scissor



Model No.	Material	Handle	OAL (mm/inch)	Individual packing
902-083	AISI 420	P.P+T.P.R	165/6.5	Blister card
902-084	AISI 420	P.P+T.P.R	165/6.5	Blister card
902-082	AISI 410	P.P+T.P.R	165/6.5	Blister card
100-035	High carbon alloy steel	TPR	160/6.3	Blister card
100-049	AISI 420	Nylon+Fiber	145/5.7	Blister card
100-009	Steel	Steel	130/5.1	Blister card
SR-333	AISI 420	ABS+TPE	120/4.7	Blister card

TESTERS

PRECISION PLIERS & CUTTERS

ELECTRICAL PLIERS & CUTTERS

KNIVES, SCISSORS & SAWS

CRIMPERS

STRIPPERS

PUNCHDOWN TOOLS

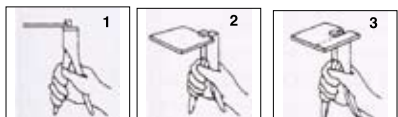
SOLDERING / ASSEMBLY

SCREWDRIVERS/ BITS

HEX KEY/ WRENCHES

TWEEZERS

900-215 Nibbling tool



Material to be nibbled shall be placed in the gap between the punch and blade channel.

By squeezing the handle together, the punch will move down into the channel to cut out a slug of metal.

A scribe line can be followed by looking down on work in this position. A slot is cut by making successive cuts.



To make a sharp 90 degrees turn, pull the tool out of the slot. Turn the work 90 degrees and insert the tool again.

By turning the tool before each cut, a 5/16" (7.9mm) minimum radius can be cut.

Almost any size or shape hole can be cut by starting with a 3/8" (9.5mm) hole.



902-230 7 in 1 Multi-Function Pocket Tool Key Chain



Uses standard LR41 batteries



Be careful: a sharp blade can cut!

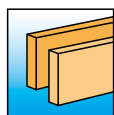


- Pocket-sized tools complete with spring-loaded pliers and almost any thing else you might need to get out of a bind.
- These tools include slotted and phillips screwdrivers, a serrated saw, a fruit knife, a mini LED flashlight, and a bottle opener.
- 7-in-1 function is all readily available to assist with your fix-it, snippet, tune-up, and tweak.

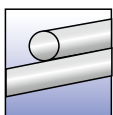
Model No.	Material	HRC(Body)	Application	OAL. (mm/inch)	Individual packing
900-215	Body: FCD45 Blade: S45C	45°±3°	Cut up to 18 AWG soft steel, 1/16" copper, Al. and Plastic	190/7.5	Blister card
902-230	2Cr13	48°±3°	Serrated Saw, Opener & Slotted Screwdriver, Phillips Screwdriver, Fruit Knife, Mini LED Flashlight	-	Blister card

902-189 Jab Saw

900-229 Dualgrip Wallboard Saw



Wood

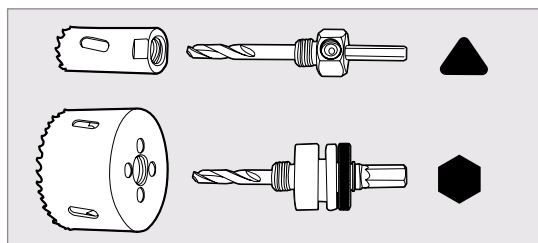


Non-Ferrous



Model No.	Material		Application	OAL. (mm/inch)	Individual packing
	Handle	Blade			
902-189	ABS+TPR	65Mn	Wood, plastic and drywall	314/12.5	Blister card
900-229	Plastic w/Rubber	-	Wallboard, plywood, plastic	318/12.7	Blister card

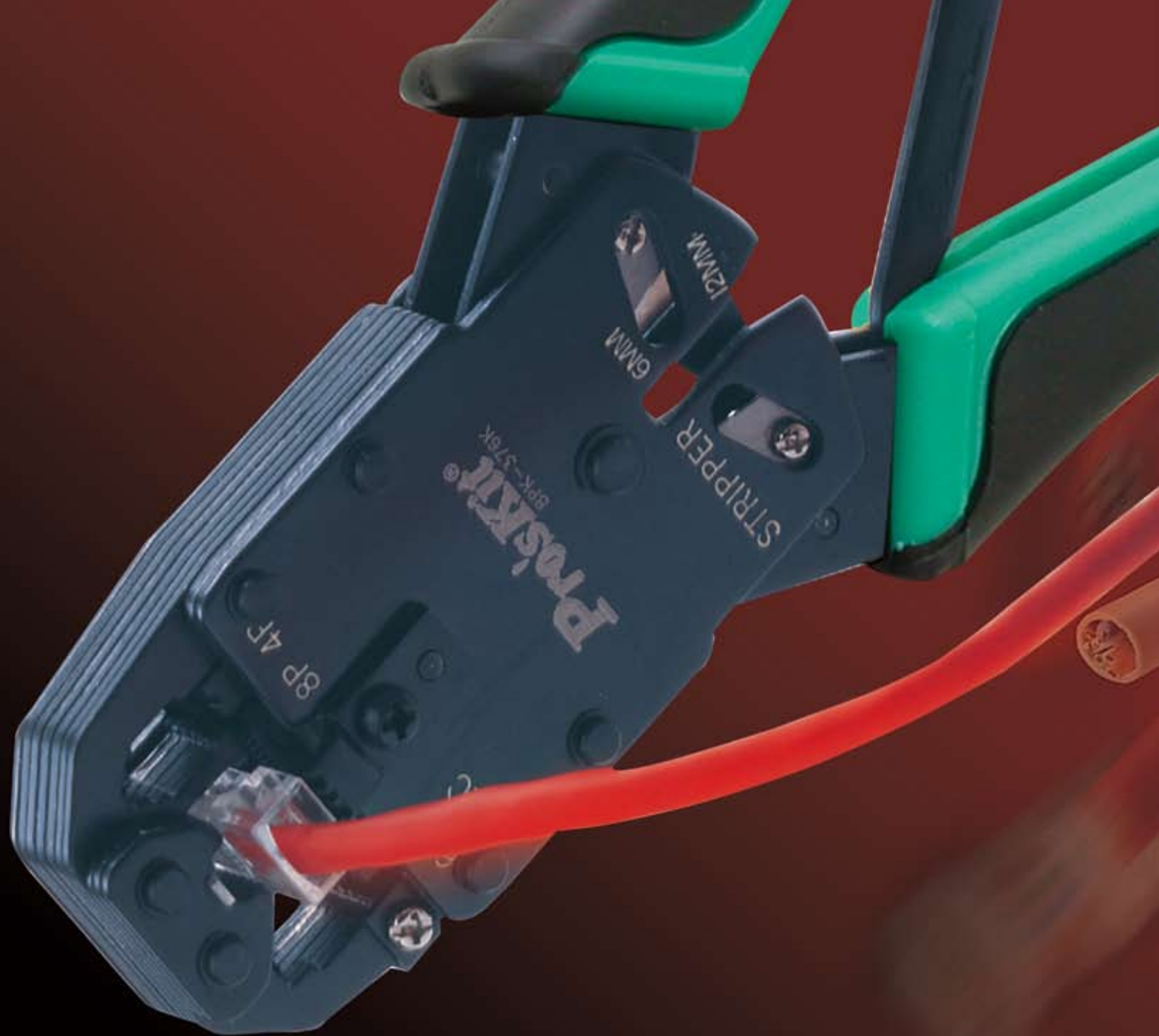
902-309 9pc Bi-metal Hole Saw



Contents

6 hole saws size:
7/8", 1-1/8", 1-3/8", 1-3/4", 2", 2-1/2"
2 pilot drill arbors
1 hex key





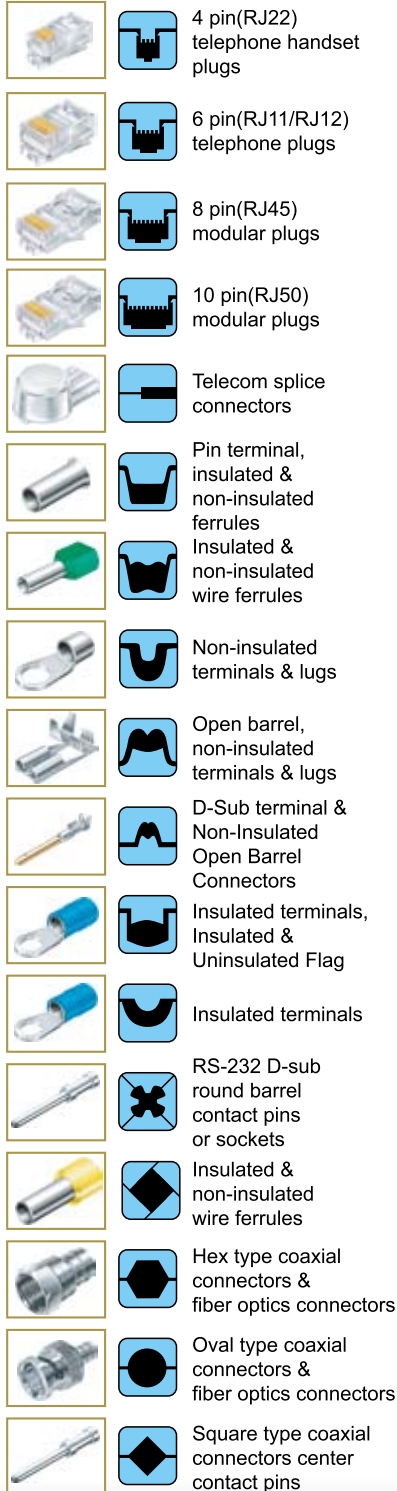
CRIMPERS

All parts of **Pro'sKit®** crimping tools are made of special steel, oil-hardened and tempered. They come with ergonomically designed handles. Lever action features the optimum transmission of force for fatigue-reduced operation, and high crimping quality due to precision dies and integral ratcheting mechanism.

Pro'sKit® crimping tools use interchangeable die sets to crimp a wide variety of different connectors for twisted pair & flat phone cable, fiber optic cable, coaxial cable, electrical and Industrial wire...etc.

Symbols for Crimp die profiles

The **Pro'sKit®** crimping dies are made from high precision lost-wax casting technology, providing the high accuracy and long service life!



Symbols for ratcheting mechanism

Pro'sKit® ratcheting crimping tools usually combine crimping pressure adjustment and ratcheting release trigger. The different models have the different ratcheting mechanism design.



Crimping pressure adjustment



Ratcheting release knob



Ratcheting release trigger

Symbols for cutting and stripping

Most of **Pro'sKit®** modular crimping tools usually feature cutting and stripping functions



Cutting wires



Stripping flat telephone cables

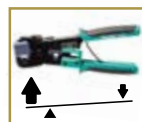


Stripping twisted pair round cables



Symbols for force-saving design

Pro'sKit® new design of crimping tools designed with lever action, features optimum transmission of force for fatigue-reduced operation and comes with the ratcheting mechanism that helps to ensure the crimping quality. This design requires less handle force than general hand tools.



Force-saving design



Ratcheting force-saving design





CP-3005F

Quick Interchangeable Ratcheting Crimper Frame



- New mechanical design with special quick release trigger secures die for quick, easy changes without tools
- Made from high quality carbon steel with black oxide finish for corrosion resistance and durability.
- High crimping quality due to precision dies and integral lock
- Interchangeable die sets for wide range of applications.
- Safety crimp release helps eliminate rejected terminations due to incorrect positioning.
- Ergonomically shaped non-slip dual color TPR handle for user comfort

New

Material: 4140
HRC43°~45°
(Die not included)



Crimping pressure adjustment



Interchangeable die with quick release trigger

Material: S50C
HRC43°~45°

Elastomeric resin,
double TPR structure.



Special quick release trigger design for easy dies changes without extra tools



Ratcheting release trigger

Material	OAL(mm/inch)	Individual packing
S50C	226/8.9	Blister card

We provide a variety of optional dies to meet the most applications, welcome to contact our sales department to discuss custom needs.



All dies on pages 47-49 fit this frame

TESTERS

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& CUTTERS

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KNIVES, SCISSORS
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CRIMPERS

STRIPPERS

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SCREWDRIVERS/
BITS

HEX KEY/
WRENCHES

TWEEZERS



902-085

CrimPro Crimp Frame

Interchange Dies
with thumbscrews.



Crimping pressure adjustment wheel

Ratcheting release trigger

Elastomeric resin, double structure.
Non-slip.



300-096

Ergo-Lunar Crimp Frame

- Interchange dies with thumbscrews
- With crimping pressure adjustment wheel for easy operation
- Ratcheting action for perfect crimps
- Crimp release provides operator safety
- Non-slip handles for user comfort



300-054

Lunar Crimp Frame

Model No.	Material		HRC	Replacement Die Screw	OAL(mm/inch)	Individual packing
	Body	Handle	Body			
902-085	S45C	TPR	45°±3°	300-056	236/9.3	Blister card
300-096	S45C	PP	45°±3°	300-056	260/10.2	Blister card
300-054	S45C	PP+TPR	45°±3°	300-056	220/8.6	Blister card



300-096
Ergo-Lunar Crimp Frame



300-054
Lunar Crimp Frame



902-085
CrimPro Crimp Frame

DIE Set	Crimp die profile	Application	Crimp Size	Terminals	Description	Model No.
		RG58, 59 and 62 AU, BNC and TNC 3-piece connectors	HEX.068", .213", .256" HEX1.73, 5.41, 6.5mm		Lunar frame w/die Ergo-Lunar frame w/die CrimPro frame w/die Die only	300-019 300-109 902-143 300-045
		CATV "F" connectors RG-59, RG-6 and RG-6 Quad	HEX.255", .320", .350" HEX6.48, 8.13, 8.89mm		Lunar frame w/die Ergo-Lunar frame w/die CrimPro frame w/die Die only	300-007 300-112 902-139 300-041
		AT&T 735(A), RG58 and RG174 cable groups both 50 and 75 ohm center pins (Thinnet)	SQ.042", HEX.068", .151", .178", .213" SQ1.07, HEX1.73, 3.84, 4.52, 5.41mm		Lunar frame w/die Ergo-Lunar frame w/die CrimPro frame w/die Die only	300-021 300-115 902-145 300-047
		RG59 and Belden 8281/1694A cable groups for both 50 & 75 ohm center pins	HEX.042", .068", .255", .324" HEX1.07, 1.73, 6.48, 8.23mm		Lunar frame w/die Ergo-Lunar frame w/die CrimPro frame w/die Die only	300-022 300-116 902-146 300-048
		RG8, RG11, RG213, RG216 BNC, TNC and N Series Connectors LMR400	HEX.80", .100", .429" HEX2.03, 2.54, 10.90mm		Lunar frame w/die Ergo-Lunar frame w/die CrimPro frame w/die Die only	300-023 300-117 902-147 300-049
		RG174/179 Belden 1855, HDTV Compatible kings/ADC/Amphenol	SQ.042", HEX.068", .078", .128", .151", .178" SQ1.07, HEX1.73, 1.98, 3.25, 3.84, 4.52mm		Lunar frame w/die Ergo-Lunar frame w/die CrimPro frame w/die Die only	300-024 300-118 902-148 300-050
		BNC, TNC, Mini-UHF, RG58, 141, 142, 303, 400, 59, 62, 210 Belden 8279, 8281, 9231, 9141 RG-6, 212, 222, 304	HEX.068", .098", .213", .255", .321" HEX1.73, 2.49, 5.41, 6.48, 8.15mm		Lunar frame w/die Ergo-Lunar frame w/die CrimPro frame w/die Die only	300-003 300-119 902-137 300-038
		Fiber Optic and Coaxial SMA/SMB/SFR Connectors SC/ST/FC	HEX.151", .178", .213" HEX3.84, 4.52, 5.41mm		Lunar frame w/die Ergo-Lunar frame w/die CrimPro frame w/die Die only	300-106 300-143 902-167 300-102
		Amphenol and General RG58, RG59, RG62, BNC/TNC, F-Type, LMR-240	SQ.052", HEX.068", .100", .213", .255" SQ1.32, HEX1.73, 2.54, 5.41, 6.48mm		Lunar frame w/die Ergo-Lunar frame w/die CrimPro frame w/die Die only	902-277 902-278 902-279 902-201
		Open barrel contacts AWG 20-18, 16-14, 12-10 D-sub, Molex, AMP style pin	AWG20-18/16-14/12-10 DIN 0.5-1.0/1.5-2.5/4.0-6.0mm ²		Lunar frame w/die Ergo-Lunar frame w/die CrimPro frame w/die Die only	300-005 300-120 902-138 300-039
		Combi-Die for RJ45 WE/SS Modular plugs and RG6/6Q(CATV F-Type)	RJ45 plug HEX.324", .360" HEX 8.23, 9.14mm		Lunar frame w/die Ergo-Lunar frame w/die CrimPro frame w/die Die only	300-161 300-162 902-172 902-054
		Red, Yellow, Blue Insulated terminals AWG 10-12, 14-16, 18-22 Nylon and Vinyl	AWG22-18/16-14/12-10 DIN 0.5-1.0/1.5-2.5/4.0-6.0mm ²		Lunar frame w/die Ergo-Lunar frame w/die CrimPro frame w/die Die only	300-002 300-108 902-152 300-058
		Insulated Flag Terminals AWG 22-18, 16-14	AWG22-18/16-14 DIN 0.5-1.0/1.5-2.5mm ²		Lunar frame w/die Ergo-Lunar frame w/die CrimPro frame w/die Die only	300-072 300-130 902-158 300-070
		Uninsulated Flag Terminals	AWG22-18/16-14 DIN 0.5-1.0/1.5-2.5mm ²		Lunar frame w/die Ergo-Lunar frame w/die CrimPro frame w/die Die only	300-073 300-131 902-159 300-071

TESTERS

PRECISION PLIERS
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ELECTRICAL PLIERS
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KNIVES, SCISSORS
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HEX KEY/
WRENCHES

TWEEZERS



300-096
Ergo-Lunar Crimp Frame



300-054
Lunar Crimp Frame



902-085
CrimPro Crimp Frame

DIE Set	Crimp die profile	Application	Crimp Size	Terminals	Description	Model No.
		Uninsulated Terminals	AWG20-18/16-14/12-10/8 DIN 0.5-1.0/1.5-2.5/4.0-6.0/10.0mm ²		Lunar frame w/die	300-132
					Ergo-Lunar frame w/die	300-133
					CrimPro frame w/die	902-161
					Die only	300-095
		Thin Style Insulated Terminals (red/yellow/blue) Nylon and Vinyl	AWG22-18/16-14/12-10 DIN 0.5-1.0/1.5-2.5/4.0-6.0mm ²		Lunar frame w/die	300-141
					Ergo-Lunar frame w/die	300-142
					CrimPro frame w/die	902-166
					Die only	300-101
		Miniature Insulated Terminals Nylon and Vinyl	AWG26-16 DIN 0.2-1.5mm ²		Lunar frame w/die	300-146
					Ergo-Lunar frame w/die	300-147
					CrimPro frame w/die	902-169
					Die only	300-104
		Wire ferrules (Insulated and Non-Insulated)	AWG22/20/18/16/14/12 DIN 0.5/0.75/1.0/1.5/2.5/4.0mm ²		Lunar frame w/die	300-001
					Ergo-Lunar frame w/die	300-134
					CrimPro frame w/die	902-162
					Die only	300-097
		Wire Ferrules (Insulated and Non-Insulated)	AWG10/8/6 DIN 6/10/16mm ²		Lunar frame w/die	300-144
					Ergo-Lunar frame w/die	300-145
					CrimPro frame w/die	902-168
					Die only	300-103
		Wire Ferrules (Insulated and Non-Insulated)	AWG6/4/2 DIN 16/25/35mm ²		Lunar frame w/die	300-077
					Ergo-Lunar frame w/die	300-160
					CrimPro frame w/die	902-160
					Die only	300-077D
		Spark Plug Cable-Cut, Strip, Crimp	AWG22-10 DIN 0.5-6.0mm ²		Ergo-Lunar frame w/die	902-275
					CrimPro frame w/die	902-276
					Die only	9PK-3003D26
		Insulated Terminals	AWG22-18/16-14/12-10/8 DIN 0.5-1.0/1.5-2.5/4.0-6.0/10.0mm ²		Lunar frame w/die	CP-336FD27
					Ergo-Lunar frame w/die	1PK-3003FD27
					CrimPro frame w/die	CP-372FD27
					Die only	9PK-3003D27
		For FC, SC, ST, LC, SMA & MT-RJ fiber optics.	HEX .139", .151", .178", RD.134", .190" HEX3.53, 3.84, 4.52mm, RD3.40, 4.83mm		Lunar frame w/die	300-167
					Ergo-Lunar frame w/die	300-172
					CrimPro frame w/die	300-177
					Die only	9CP-336DF4
		HDTV true 75-ohm BNC/TNC coaxial connectors: Belden 1855A, 1865A, 1505A, 1505F, 1694A, 1694F	HEX .041", .068", .178", .255", .278" SQ1.04, HEX1.73, 4.52, 6.48, 7.06mm		Lunar frame w/die	300-158
					Ergo-Lunar frame w/die	300-159
					CrimPro frame w/die	902-171
					Die only	300-157
		Crimps Amphenol connectors. Coaxial - Belden 7810A, 9913, 9914, LMR 400.	HEX .429", .118" HEX10.89, 3.00mm		Lunar frame w/die	300-163
					Ergo-Lunar frame w/die	300-168
					CrimPro frame w/die	300-173
					Die only	9PK-3003D29
		HDTV BNC/TNC 3-piece coaxial connectors	SQ. .042", Hex. .197", .278" SQ1.07mm, HEX 5.00, 7.06mm		Lunar frame w/die	300-193
					Ergo-Lunar frame w/die	300-194
					CrimPro frame w/die	300-195
					Die only	1PK-3003D30
		HDTV BNC/TNC true 75-ohm coaxial connectors, RG6, Belden 1694 & 1694A	SQ. .042", HEX. .068", .275", .278" SQ1.07mm, HEX1.73, 6.99, 7.06mm		Lunar frame w/die	300-178
					Ergo-Lunar frame w/die	300-179
					CrimPro frame w/die	300-180
					Die only	1PK-3003D31
		HDTV true 75 ohm BNC/TNC & CATV "F" coaxial connectors, RG59, RG6, Belden 8281, 1694A & 1505A	SQ. .042", .052", HEX .068", .255", .324" SQ 1.07, 1.32mm, HEX1.73, 6.48, 8.23mm		Lunar frame w/die	300-181
					Ergo-Lunar frame w/die	300-182
					CrimPro frame w/die	300-183
					Die only	1PK-3003D32