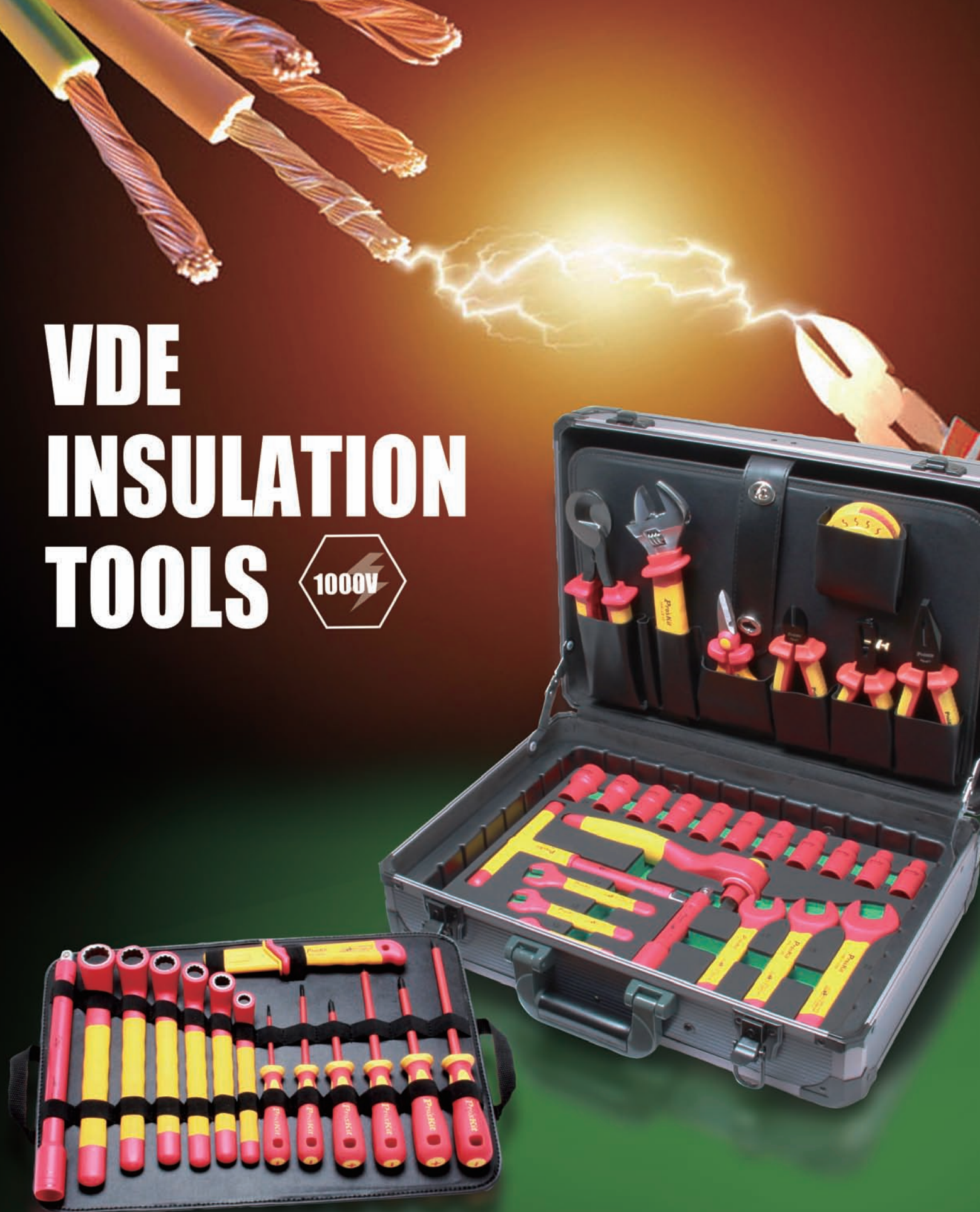


VDE INSULATION TOOLS



VDE 1000V Insulated Tools

Pro'sKit® Insulation 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 60900:2012) 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 Insulation 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.



1000V
IEC 60900



Safety Caution



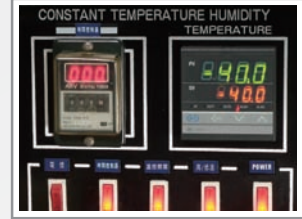
- Please keep your insulated tools dry and clean.
- Wear protective goggles and gloves when working.
- Do not touch the non-insulated parts when working live.

Testing Procedure



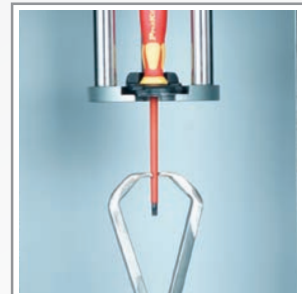
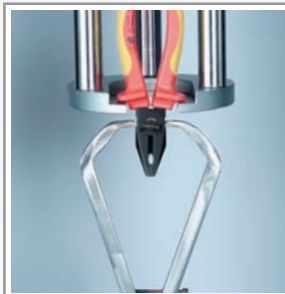
Dielectric Strength Test

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



Low-temperature Impact Test

When the tools are cooled down to -40°C, proceed the insulated part with impact test. The insulation must retain the tough against breaking.



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.

▶ **PM-910 Insulated Wire Stripping Plier**

Material	HRC	Application		OAL. (mm)
	Body	Hard steel	Soft steel	
AISI 6150	46°±4°	Adjustable to accept conductors up to 10mm ² overall diameter		160

▶ **PM-917 Insulated Side Cutter**

Material	HRC	Application		OAL. (mm)
	Body	Hard steel	Soft steel	
AISI 6150	46°±4°	Ø2.0mm	Ø2.8mm	165

▶ **PM-916 Insulated Heavy Duty Side Plier**

Material	HRC	Application		OAL. (mm)
	Body	Hard steel	Soft steel	
AISI 6150	46°±4°	Ø2.7mm	Ø3.8mm	190

▶ **PM-911 Insulated Combination Plier**

Material	HRC	Application		OAL. (mm)
	Body	Hard steel	Soft steel	
AISI 6150	46°±4°	Ø2.5mm	Ø3.8mm	195

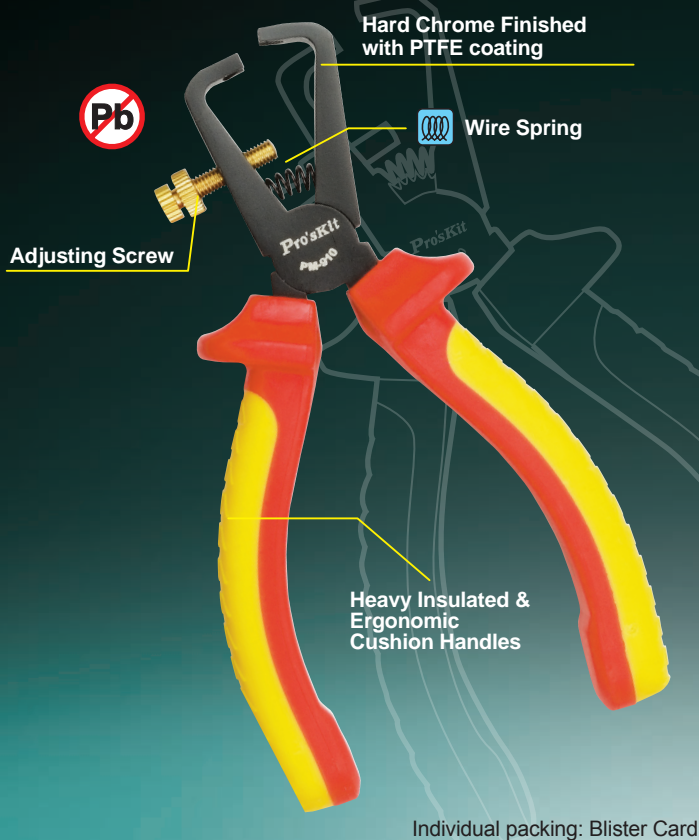
▶ **PM-912 Insulated Combination Plier**

Material	HRC	Application		OAL. (mm)
	Body	Hard steel	Soft steel	
AISI 6150	46°±4°	Ø2.0mm	Ø3.1mm	175

Insulated VDE Pliers



- Certified to IEC 60900, VDE, and DIN 1,000V 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.



Individual packing: Blister Card

▶ **PM-918 Insulated Long Nose Plier**

Material	HRC	Application		OAL. (mm)
	Body	Hard steel	Soft steel	
AISI 6150	46°±4°	Ø2.2mm	Ø3.2mm	200

▶ **PM-919 Insulated Long Nose Plier**

Material	HRC	Application		OAL. (mm)
	Body	Hard steel	Soft steel	
AISI 6150	46°±4°	Ø1.6mm	Ø2.5mm	170

SR-V206/SR-V210 VDE 1000V Insulated Cable Cutter



- Precision ground, hardened blades.
- Chrome molybdenum alloy steel, forged, oil-hardened.
- Dual color, non-slip, insulating ergonomic handle for maximum comfort.



SR-V206

SR-V210



SR-V537 VDE 1000V Insulated Ratchet Cable Cutter



- Precision ground, hardened blades.
- High-grade carbon steel, forged, oil-hardened.
- Dual color, non-slip, insulating ergonomic handle.
- Clean and smooth cutting without crushing and deformation.
- Ratcheted with safety release for force saving.



SR-V537



Ratchet drive for easier cutting

Model No.	Material	HRC		Application: for cutting copper and aluminum cables.			OAL. (mm)	Individual packing
		Body	Cutting edge	Diameter	Cross-sectional area	AWG		
SR-V206	Cr-Mo	43°±3°	50°±2°	Φ5.2 mm	22mm ²	4	150	Hanger
SR-V210	Cr-Mo	43°±3°	50°±2°	Φ10.0 mm	80mm ²	3/0	250	
SR-V537	65Mn	38°~43°	48°~52°	Φ32 mm	240mm ²	500	240	

SR-V336 VDE 1000V Insulated Electricians Scissors



- Dual color, non-slip, insulating ergonomic handle for maximum comfort.
- Stainless steel, oil-hardened.



MS-V001 VDE 1000V Insulated Tape



Material	HRC	Blade length (mm)	OAL. (mm)	Individual packing
AISI 420J2	48°~52°	47	160	Hanger

Material	Width (mm)	OAL. (meter)	Individual packing
PVC	20	10	Hanger

SD-800 Series Insulated VDE Screwdrivers/NUT Driver



- Certified to IEC 60900, VDE, and DIN 1000V safety standards and bear the GS sign.
- High visibility molded ergonomic cushion grip handles for maximum comfort.
- The insulation of the handle is molded directly onto the blade for permanent bonding.

Model No.	Spec.	Blade length(mm)
SD-800-S2.5	0.4x2.5	75
SD-800-S3.0	0.5x3.0	100
SD-800-S4.0	0.8x4.0	100
SD-800-S5.5	1.0x5.5	125
SD-800-S6.5	1.2x6.5	150
SD-800-S8.0	1.2x8.0	175
SD-800-P0	#0	60
SD-800-P1	#1	80
SD-800-P2	#2	100
SD-800-P3	#3	150
SD-800-Z0	PZ0	60
SD-800-Z1	PZ1	80
SD-800-Z2	PZ2	100
SD-800-Z3	PZ3	150

Model No.	Spec.	Blade length(mm)
SD-800-M4.0	4x2	125
SD-800-M5.0	5x25	125
SD-800-M5.5	5.5x25	125
SD-800-M6.0	6x25	125
SD-800-M7.0	7x25	125
SD-800-M8.0	8x25	125
SD-800-M9.0	9x25	125
SD-800-M10	10x25	125
SD-800-M11	11x25	245
SD-800-M12	12x25	245
SD-800-M13	13x25	245

Individual packing: Double blister card

SD-8011 Insulated Screwdrivers Set



- 7 piece set. VDE safety screwdriver set with Cr-Mo-V alloy.
- Steel AISI: 8660 blade.
- This essential kit is a must when working with electrical items.
- Supplied in a case.

Contents
SD-800-S2.5, SD-800-S3.0, SD-800-S5.5, SD-800-S6.5, SD-800-P0, SD-800-P1,SD-800-P2
Carrying case : 310x230x50mm

Individual packing:
Inner box+Color label shrink



SD-T860 12 PCS VDE Torque Screwdriver set



Quick release design
for speedy Interchanging bit



Accurately torque
adjustable 1 - 6 N-m

• VDE Handle

Dual color VDE torque handle, torque adjustable 1-6 Nm, Includes torque adjusting tool for torque setting easily. Insulated metal bit holder locks all bits reliably.

• Bits

Individually tested protective insulation 1000 VAC, VDE and GS tested. Includes 10pcs common use bits to satisfy most applications. Made by AISI 8660 Cr-Mo-V steel.

• Application

For controlled fastening on live cable or parts up to 1000VAC, such as power plants, refrigeration and air conditioning systems, electrical engineering installation and maintenance...etc.

• Durable Bag



Torque adjustable 1 - 6 Nm



Power plants maintenance



Rugged storage bag

Specification

Torque adjustable: 1~6Nm, Accuracy±6%, recommend calibration after 5000 cycle

Contents:

Dual color PP/TPR/POM handle, length:127mm

10pcs AISI 8660 Bits, length:195mm:

⊖ SL2.5, SL3.0, SL4.0, SL5.5, SL6.5, ⊕ PH0, PH1, PH2, ⊕ PZ0, PZ1

Square 8mm torque adjusting tool, length:99mm/40mm

Individual packing: Color box

8PK-8100 / 8PK-8100E Insulated Screwdrivers Set



- Blade material: AISI 8660 chrome-molybdenum vanadium steel.

Contents	
⊖	0.4x2.5x85
⊖	0.8x4.0x100
⊖	1.0x5.5x125
⊖	1.2x6.5x150
⊕	#0x75
⊕	#1x100
⊕	#2x100

Individual packing:
Color box



8PK-8100

Economic Type

Contents	
⊖	0.4x2.5x85
⊖	0.8x4.0x100
⊖	1.0x5.5x125
⊖	1.2x6.5x150
⊕	#0x75
⊕	#1x100
⊕	#2x100

Individual packing:
Color box



8PK-8100E

SD-9805 Insulated Precision Screwdriver Set



- Provide shock protection to 1000V AC.
- Meet VDE standards for safety to 1000V AC.
- Come complete with a plastic storage case.
- Material (Blade): AISI 8660 chrome-molybdenum vanadium steel.



Contents	O.A.L.(mm/inch)
⊖ 0.4x2.0x65mm(2.6")	165/6.5"
⊖ 0.23x1.5x65mm(2.6")	165/6.5"
⊖ 0.4x2.5x65mm(2.6")	165/6.5"
⊕ PH00x65mm(2.6")	165/6.5"
⊕ PH0x65mm(2.6")	165/6.5"
⊕ PH1x65mm(2.6")	165/6.5"

Carrying case : 195x184x28mm

Individual packing: Shrink

SD-315A Insulated Screwdriver Set



Blade material: Slotted: AISI 6150 chrome vanadium steel.
Phillips: AISI 8660 chrome-molybdenum vanadium steel.



Contents	
⊖ 2.5x75	⊕ #0x75
⊖ 4.0x100	⊕ #1x100
⊖ 5.5x125	⊕ #2x100
⊖ 6.5x150	
Circuit Testing Screwdriver190mm (100~250V)	

Individual packing: Color box

TZ-V3 Series VDE 1000V Insulated Tweezers



- Stainless steel with magnetic.
- Dual color, non-slip, insulating ergonomic handle for maximum comfort



TZ-V302A Sharp tip

Gripping surfaces with matt finished for optimum grip



TZ-V302B Curved tip

Gripping surfaces with fine transverse serration



TZ-V302C Round point

Gripping surfaces with fine transverse serration



TZ-V302D Wide tip

Gripping surfaces with fine transverse serration

Model No.	Material	HRC	Width (mm)	OAL. (mm)
TZ-V302A	AISI 304	35°~45°	15.6	134
TZ-V302B			13.0	159
TZ-V302C			13.0	160
TZ-V302D			15.0	145

Individual packing:Hanger

HW-V6 Series VDE 1000V Insulated Adjustable Wrench



- Parallel smooth gripping jaw.
- With scaling for easy presetting.
- Chrome vanadium steel, forged, oil-hardened.
- Dual color, non-slip, insulating ergonomic handle for maximum comfort.



Model No.	Material	Jaw open (Max.) mm	Jaw depth (mm)	Jaw thickness (mm)	OAL. (mm)
HW-V608	50CrV	30	25	12~8	200
HW-V610		34	30	14~9	250
HW-V612		41	36	17~11	300

Individual packing:Hanger

PD-V Series VDE 1000V Insulated Cable Knife



- Stainless steel, oil-hardened.
- Suitable for round cables and sector cables.
- Including protective cap for safe storage.
- Dual color, non-slip, insulating ergonomic handle for maximum comfort.



PD-V003A Straight blade type



PD-V003B Hook blade type



PD-V003C Sickle blade type



PD-V003D Hook blade sickle shaped type

Plastic coating the back of blade to avoid short circuits



PD-V004A Straight blade type

Plastic coating the back of blade to avoid short circuits

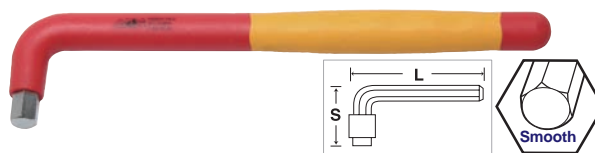
Model No.	Material	HRC	Blade length (mm)	Radius (mm)	OAL. (mm)
PD-V003A	3Cr13	50°~58°	50	-	180
PD-V003B			28	7	170
PD-V003C			50	40	180
PD-V003D			50	23.5	185
PD-V004A			50	-	180

Individual packing:Hanger

HW-V8 Series VDE 1000V Insulated Hex Key Wrench



- Metric Insulated Hex L-keys.
- S2 alloy steel, forged, oil-hardened.
- Dual color, non-slip, insulating ergonomic handle for maximum comfort.



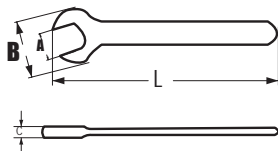
Model No.	Material	Tip Size (mm)	S ±2 mm	L ±2 mm
HW-V803	S2	3	25.0	130
HW-V804		4	40.0	140
HW-V805		5	45.5	160
HW-V806		6	47.0	180
HW-V808		8	50.5	200
HW-V810		10	52.0	235
HW-V812		12	60.0	260

Individual packing:Hanger

HW-V1 Series VDE 1000V Insulated Single Open End Wrench



- Jaw 15° angled.
- Chrome vanadium steel, forged, oil-hardened.
- Dual color, non-slip, insulating ergonomic handle for maximum comfort.



Model No.	Material	(A) Width across flats mm	(B) Head width Max. mm	(C) Head thickness Max. mm	(L) OAL. ±2 mm
HW-V106B	50CrV	6	23	7.2	90
HW-V107B		7	25	7.2	90
HW-V108B		8	27	7.7	100
HW-V109B		9	29	7.7	100
HW-V110B		10	31	8.2	110
HW-V111B		11	34	8.7	110
HW-V112B		12	36	8.7	130
HW-V113B		13	39	10.5	135
HW-V114B		14	40	10.5	145
HW-V115B		15	42	11.5	150
HW-V116B		16	43	11.5	160
HW-V117B		17	47	12.5	160
HW-V118B		18	50	13.0	175
HW-V119B		19	53	14.0	175
HW-V121B		21	55	14.0	195
HW-V122B		22	58	14.0	195
HW-V124B		24	62	16.5	225
HW-V127B		27	69	18.0	250
HW-V130B		30	75	19.0	290
HW-V132B		32	79	20.0	310

Individual packing:Hanger

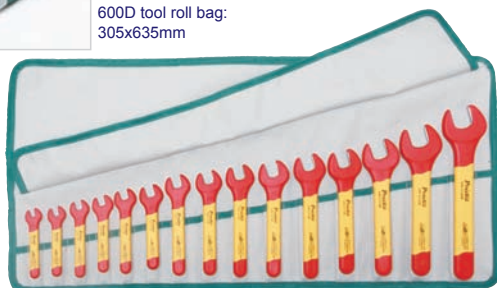
PK-2811M 15 PCS 1000V Insulated single Open End Wrench Set



- Contents: 15pcs single open end wrenches 6.7.8.9.10.11.12.13. 14.15.16.17.19.22.24mm.
- Dual color nonslip handle for max. comfort.
- Made of Chrome Vanadium Steel.
- With 600D tool roll bag.
- Complete set for power plant, HVAC, automotive, military, aircraft field applications and more.



600D tool roll bag:
305x635mm

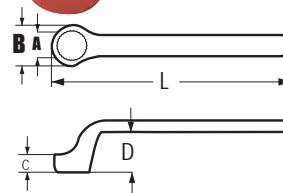


Individual packing:Color sleeve

HW-V2 Series VDE 1000V Insulated Single Box End Wrench



- Dual color, non-slip, insulating ergonomic handle for maximum comfort.
- Chrome vanadium steel, forged, oil-hardened.
- Cranked.



Model No.	Material	(A) Width across flats mm	(B) Head width Max. mm	(C) Head thickness Max. mm	(D) Depth of crank mm	(L) OAL. ±2 mm
HW-V206B	50CrV	6	16.0	6.8	25	150
HW-V207B		7	18.0	7.0	25	150
HW-V208B		8	19.0	7.4	27	155
HW-V209B		9	20.0	8.3	27	155
HW-V210B		10	21.0	8.8	30	170
HW-V211B		11	22.5	8.9	30	170
HW-V212B		12	22.5	9.8	32	190
HW-V213B		13	26.5	10.0	32	190
HW-V214B		14	28.0	11.0	34	205
HW-V215B		15	29.0	11.1	34	205
HW-V216B		16	31.0	11.5	36	215
HW-V217B		17	32.0	12.3	36	215
HW-V218B		18	35.0	12.7	37	230
HW-V219B		19	36.0	13.2	37	230
HW-V221B		21	39.0	13.9	41	245
HW-V222B		22	41.0	13.9	41	245
HW-V224B		24	44.0	16.0	42	265
HW-V227B		27	48.0	16.4	42	290
HW-V230B		30	52.0	16.8	45	310
HW-V232B		32	55.0	17.5	45	310

Individual packing:Hanger

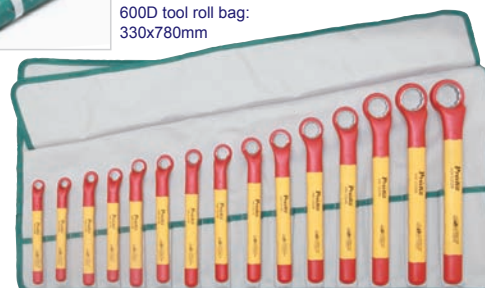
PK-2812M 15 PCS 1000V Insulated Single Box End Wrench Set



- Contents: 15pcs single box end wrenches 8.9.10.11.12.13.14.15.17.19.22.24.27.30.32mm.
- Dual color nonslip handle for max. comfort.
- Made of Chrome Vanadium Steel.
- With 600D tool roll bag.
- Ideal for power plant, HVAC, automobile, military, aircraft field applications.



600D tool roll bag:
330x780mm

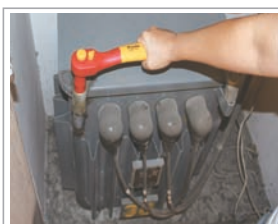


Individual packing:Color sleeve

HW-V708/ HW-V710 VDE 1000V Insulated Reverse Flat Ratchet Handle



- Reversible for clockwise and anti-clockwise directions.
- Extremely smooth action.
- Quick, easy and reliable locking of attached sockets.
- Chrome vanadium steel, forged, oil-hardened.
- Dual color, non-slip, insulating ergonomic handle for maximum comfort



Model No.	Material		Square drive	Teeth	OAL. (mm)
	Body	Square drive			
HW-V708	AISI 6140	42CrMo	3/8"	36	200
HW-V710		42CrMo	1/2"	36	250

Individual packing:Hanger

SK-V3 Series VDE 1000V Insulated 3/8" Drive Socket



- 3/8" Square Drive.
- Chrome Vanadium steel
- For metric hexagonal head screws.
- Insulating multi-component body.



Model No.	Material	Width across flats mm	Outside diameter Max. mm	Length mm
SK-V308B	50BV30	8	15.1	28.0
SK-V310B		10	18.7	28.0
SK-V311B		11	20.0	28.0
SK-V312B		12	21.2	28.0
SK-V313B		13	22.5	28.0
SK-V314B		14	23.7	28.0
SK-V316B		16	26.2	28.0
SK-V317B		17	27.5	28.0
SK-V318B		18	28.7	28.0
SK-V319B		19	30.0	30.0
SK-V321B		21	32.5	30.0
SK-V322B		22	33.7	30.0

Individual packing:Hanger

SK-V732/SK-V752 VDE 1000V Insulated T Handle



- Quick, easy and reliable locking of attached sockets.
- Chrome vanadium steel, forged, oil-hardened.
- Dual color, non-slip, insulating ergonomic handle for maximum comfort.



Model No.	Material	Square drive	Handle length (mm)	Drive length (mm)
SK-V732	50BV30	3/8"	160	200
SK-V752		1/2"	160	200

Individual packing:Hanger

SK-V8 Series VDE 1000V Insulated Extension Bar



- With internal and external square.
- Quick, easy and reliable locking of attached sockets.
- Chrome vanadium steel, forged.
- Insulating multi-component handle.



Model No.	Material	Square drive	OAL. (mm)
SK-V831	50BV30	3/8"	125
SK-V832		3/8"	250
SK-V851		1/2"	125
SK-V852		1/2"	250

Individual packing:Hanger

SK-V4 Series VDE 1000V Insulated 1/2" Drive Socket



- 1/2" Square Drive
- For metric hexagonal head screws.
- Chrome Vanadium steel.
- Insulating multi-component body.



Model No.	Material	Width across flats mm	Outside diameter Max. mm	Length mm
SK-V410B	50BV30	10	19.5	38.0
SK-V411B		11	20.7	38.0
SK-V412B		12	22.0	38.0
SK-V413B		13	23.2	38.0
SK-V414B		14	24.5	38.0
SK-V416B		16	27.0	38.0
SK-V417B		17	28.2	38.0
SK-V418B		18	29.5	38.0
SK-V419B		19	30.7	38.0
SK-V421B		21	33.2	38.0
SK-V422B		22	34.5	38.0
SK-V424B		24	37.0	38.0
SK-V427B		27	38.8	42.0
SK-V430B		30	42.8	42.0
SK-V432B		32	44.8	42.0

Individual packing:Hanger

PK-2801 1000V Insulated Screwdriver & Plier Set



PK-2801 contents	
SD-800-S2.5	0.4x2.5x75mm
SD-800-S3.0	0.5x3.0x100mm
SD-800-S5.5	1.0x5.5x125mm
SD-800-P1	PH1x80mm
SD-800-P2	PH2x100mm
PM-910	Insulated wire stripping plier (160mm)
PM-917	Insulated side cutter (160mm)
PM-919	Insulated long nose plier (160mm)
9ST-33	Tool bag (255x172.5x55mm)

Individual packing: Inner box & Color label shrink

PK-2802 1000V Insulated Plier & Screwdriver Set



PK-2802 contents	
SD-800-S2.5	0.4x2.5x75mm
SD-800-S4.0	0.8x4.0x100mm
SD-800-S5.5	1.0x5.5x125mm
SD-800-S6.5	1.2x6.5x150mm
SD-800-P0	PH0x60mm
SD-800-P1	PH1x80mm
SD-800-P2	PH2x100mm
PM-911	Insulated combination plier (200mm)
PM-917	Insulated side cutter (160mm)
PM-918	Insulated long nose plier (200mm)
PM-919	Insulated long nose plier (160mm)
9Z-PK2802	Zipper carrying bag (294x240x50mm)

Individual packing: Inner box & Color label shrink

PK-2809M 1000V Insulated Metric Tool Kit



PK-2809M tool kit is equipped with a range of 26pcs 1000V insulated single open end wrenches, screwdrivers, pliers and cutters, T handle and 1/2" sockets in a durable tool box. Ideal for power plant, HVAC, automotive, military, aircraft field applications and more



Contents	
PM-911	Insulated combination plier (195mm)
PM-917	Insulated side cutter (165mm)
HW-V110B	Insulated single open end wrench 10mm
HW-V111B	Insulated single open end wrench 11mm
HW-V112B	Insulated single open end wrench 12mm
HW-V113B	Insulated single open end wrench 13mm
HW-V114B	Insulated single open end wrench 14mm
HW-V117B	Insulated single open end wrench 17mm
HW-V119B	Insulated single open end wrench 19mm
SD-800-S2.5	Insulated screwdriver (-2.5x75)
SD-800-S3.0	Insulated screwdriver (-3.0x100)
SD-800-S4.0	Insulated screwdriver (-4.0x100)
SD-800-S5.5	Insulated screwdriver (-5.5x125)
SD-800-P0	Insulated screwdriver (#0x60)
SD-800-P1	Insulated screwdriver (#1x80)
SD-800-P2	Insulated screwdriver (#2x100)
SK-V752	Insulated 1/2" drive T handle 200mm
SK-V410B	Insulated 1/2" drive socket 10mm
SK-V411B	Insulated 1/2" drive socket 11mm
SK-V412B	Insulated 1/2" drive socket 12mm
SK-V413B	Insulated 1/2" drive socket 13mm
SK-V414B	Insulated 1/2" drive socket 14mm
SK-V417B	Insulated 1/2" drive socket 17mm
SK-V419B	Insulated 1/2" drive socket 19mm
PD-V003A	Insulated straight blade cable knife 50x180mm
PD-V003B	Insulated hook blade cable knife 28x155mm
9SB-3935	Plastic tool box (390x350x90mm)

Individual packing: Color sleeve

PK-2813M 1000V Insulated Roll Tool Set

Ideal for power plant, HVAC, automotive, military, aircraft field applications and more.



Contents	
PM-911	Insulated combination plier (195mm)
PM-917	Insulated side cutter(165mm)
PM-910	Insulated wire stripping plier (160mm)
PM-918	Insulated long nose plier(200mm)
SR-V206	Insulated cable cutter 150mm (22mm ²)
HW-V110B	Insulated single open end wrench 10mm
HW-V113B	Insulated single open end wrench 13mm
HW-V114B	Insulated single open end wrench 14mm
HW-V117B	Insulated single open end wrench 17mm
HW-V119B	Insulated single open end wrench 19mm
SD-800-S2.5	Insulated screwdriver(-2.5x75)
SD-800-S4.0	Insulated screwdriver (-4.0x100)
SD-800-S5.5	Insulated screwdriver (-5.5x125)
SD-800-S6.5	Insulated screwdriver (-6.5x150)
PD-V003A	Insulated straight blade cable knife 50"x180mm
9Z-PK2813	Tool roll bag

Individual packing:Color sleeve



600D tool roll bag:
368x743mm



PK-2836M 1000V Insulated Metric Tool Kit



PK-2836M tool kit is equipped with a range of 41pcs 1000V insulated single open end wrenches, single box end wrenches, adjustable wrenches, screwdrivers, knife, pliers and cutters, T handle, 1/2" sockets and type in a durable aluminum frame tool case. Ideal for power plant, HVAC, automotive, military, aircraft field applications and more.

Contents	
PM-911	Insulated combination plier (195mm)
PM-917	Insulated side cutter(165mm)
PM-910	Insulated wire stripping plier (160mm)
SR-V210	Insulated cable cutter 250mm (80mm ²)
HW-V110B	Insulated single open end wrench 10mm
HW-V113B	Insulated single open end wrench 13mm
HW-V114B	Insulated single open end wrench 14mm
HW-V117B	Insulated single open end wrench 17mm
HW-V119B	Insulated single open end wrench 19mm
HW-V122B	Insulated single open end wrench 22mm
HW-V210B	Insulated single box end wrench 10mm
HW-V213B	Insulated single box end wrench 13mm
HW-V214B	Insulated single box end wrench 14mm
HW-V217B	Insulated single box end wrench 17mm
HW-V219B	Insulated single box end wrench 19mm
HW-V222B	Insulated single box end wrench 22mm
SD-800-S2.5	Insulated screwdriver(-2.5x75)
SD-800-S4.0	Insulated screwdriver (-4.0x100)
SD-800-S5.5	Insulated screwdriver (-5.5x125)
SD-800-S6.5	Insulated screwdriver (-6.5x150)
SD-800-P1	Insulated screwdriver (#1x80)
SD-800-P2	Insulated screwdriver (#2x100)
SK-V752	Insulated 1/2" drive T handle 200mm
HW-V710	Insulated 1/2" drive reverse flat ratchet handle 200mm
SK-V851	Insulated 1/2" drive extension bar 125m
SK-V852	Insulated 1/2" drive extension bar 250m
SK-V410B	Insulated 1/2" drive socket 10mm
SK-V411B	Insulated 1/2" drive socket 11mm
SK-V412B	Insulated 1/2" drive socket 12mm
SK-V413B	Insulated 1/2" drive socket 13mm
SK-V414B	Insulated 1/2" drive socket 14mm
SK-V416B	Insulated 1/2" drive socket 16mm
SK-V417B	Insulated 1/2" drive socket 17mm
SK-V418B	Insulated 1/2" drive socket 18mm
SK-V419B	Insulated 1/2" drive socket 19mm
SK-V422B	Insulated 1/2" drive socket 22mm
SK-V424B	Insulated 1/2" drive socket 24mm
PD-V003A	Insulated straight blade cable knife 50x180mm
SR-V336	Insulated electricians scissors 160mm
MS-V001	Insulated tape 20mmx10M
HW-V610	Insulated 10" adjustable wrench
TC-736	Expert & Elegant aluminum frame tool case 486x325x159mm
9PK-2836M-TP	Top pallet for PK-2836M
9PK-2836M-P	Pallet for PK-2836M

Individual packing:Plain box + color lable



SOLAR TOOLS



PK-2061 Solar MC3 & MC4 Crimping Tool kit



Universal solar cable stripper comes with adjustable length stop for reliable stripping of the double layer insulated cables (2.5 - 6.0 mm²)



To open the locking device

To secure



To tighten the cable gland

Includes 2 pcs MC4 and MC4 PLUS open-end spanners and unlocking tools help you opening the locking device, securing and tightening the cable gland.



CP-3006F	Parallel Action Crimper frame
CP-5S1D	Die set for MC 3 solar connector (Multi-Contact) & 2.5/4/6mm ² (AWG 14/12/10) solar cable.
CP-5S2D	Die set for MC 4 solar connector (Multi-Contact) & 2.5/4/6mm ² (AWG 14/12/10) solar cable.
CP-246	Universal solar cable stripper, for 2.5/4/6mm ² (AWG 14/12/10) solar cable
8PK-A202	Forged cable cutter (160mm), for copper cable: 25mm ² flexible
9HW-MC4	2 Pcs Open-end spanner and unlocking tool (MC4 and MC4 PLUS)
9SD-202A	Pro-soft screwdriver 5x75mm
9SD-207B	Pro-soft screwdriver #2 x100mm
9Z-940KP	Zippered carrying bag-280x197x70(mm)

CP-3006FS1 / CP-3006FS2

Parallel Action Crimping Tool

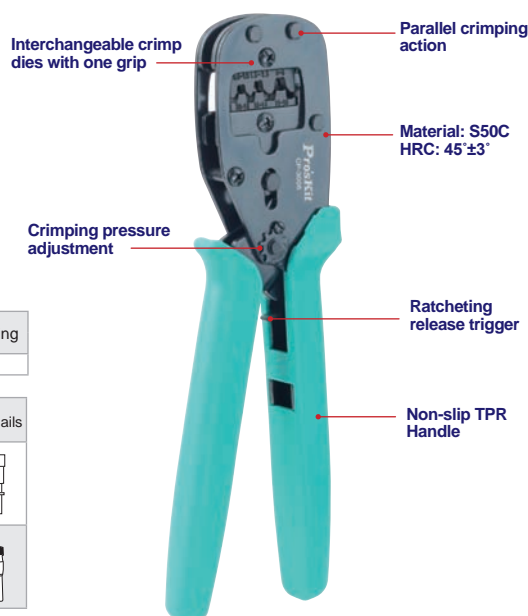


**Perfect fit for open barrel terminal
and solar connectors**

- **Reliable:** Parallel action crimping performance is consistent and accurate.
- **Practical:** Safety crimp release helps eliminate rejected terminations due to incorrect positioning.
- **Comfortable:** Ergonomically shaped non-slip TPR handle for comfortable use in all conditions.
- **Versatile:** Interchangeable die sets for wide range of applications.

Material			HRC	OAL.(mm)	Individual packing
Body	Handle				
S50C	TPR		45 \pm 3°	254	Blister card

Model No.	Description	Die set	Crimp die profile	Application	Terminals
CP-3006FS1	Crimper frame with die set			For MC 3 solar connector (Multi-Contact) & 2.5/4.0/6.0 mm ² (AWG 14/12/10) solar cable AWG 14/12/10 DIN 2.5/4.0/6.0 mm ²	
CP-3006FS2				For MC 4 solar connector (Multi-Contact) & 2.5/4.0/6.0 mm ² (AWG 14/12/10) solar cable AWG 14/12/10 DIN 2.5/4.0/6.0 mm ²	



1PK-3003F Erog-Lunar Crimper Frame

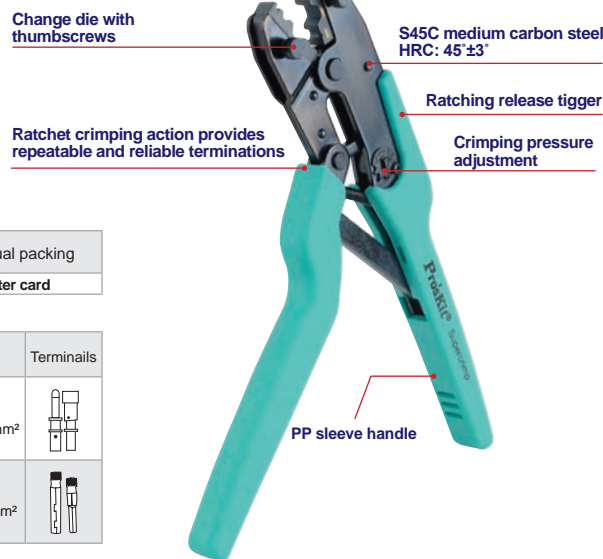


40%~50% lower crimping force

- 40-50% lower crimp force
- Decreases work-related injuries.
- Increases productivity.
- Superior mechanical gain.
- Interchangeable die sets for wide range of applications.

Material	HRC	OAL.(mm)	Individual packing
S45C	45 \pm 3°	260	Blister card

Replacement die set	Description	Die set	Crimp die profile	Application	Crimp size	Terminals
CP-5S1D	Die only			For MC 3 solar connector (Multi-Contact) & 2.5/4.0/6.0 mm ² (AWG 14/12/10) solar cable	AWG 14/12/10 DIN 2.5/4.0/6.0 mm ²	
CP-5S2D				For MC 4 solar connector (Multi-Contact) & 2.5/4.0/6.0 mm ² (AWG 14/12/10) solar cable	AWG 14/12/10 DIN 2.5/4.0/6.0 mm ²	



CP-246 Solar Cable Stripper



Precision stripping

- Reliable stripping without damage, particularly for solar cables (2.5- 6.00 mm²)
- With adjustable length stop for accurate stripping length setting.



Material			HRC	Application	OAL. (mm)	Individual packing
Body	Blade	Handle				
Zinc alloy	SK5	TPR	56 \pm 2°	For 2.5/4/6mm ² (AWG 14/12/10) solar cable	177	Blister card

