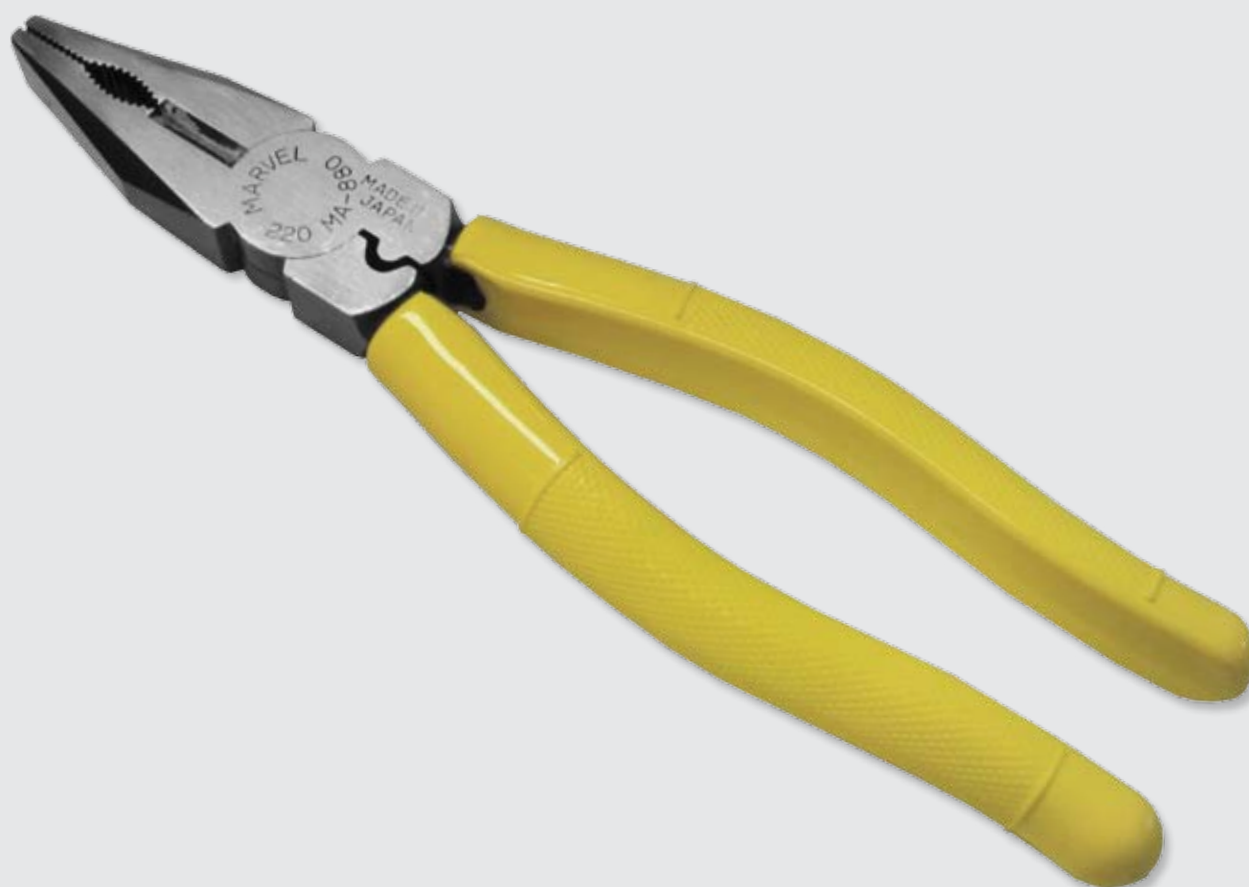


# SECTION 11

# HAND TOOLS



11



## 11.1 PLIERS AND SIDE CUTTERS

### 11.1.1 HEAVY DUTY LINESMAN'S PLIERS

#### Features

- Diamond pattern nose grip for cleaner, sharper edges and better grip
- Radius chain grip for gripping, pulling, bending and turning
- Precise tip clearance as blades are individually adjusted and checked
- Extra long cutter blades for cutting multi-stranded flat cables with one snip
- Made from drop forged hardened steel and fully heat treated
- Black baked finish with heavy duty comfort handle grips

#### Specifications

Part No:	WATMA880
Cutting Capacity:	Up to 2.0mm <sup>2</sup> diameter x 3 wires flat cable Up to 3.2mm <sup>2</sup> diameter copper wire Up to 2.6mm <sup>2</sup> diameter steel wire
Crimping Capacity:	2.5 – 6.0mm <sup>2</sup> non-insulated terminals
Length:	225mm
Weight:	400g

MADE IN JAPAN



### 11.1.2 1000V INSULATED HIGH LEVERAGE LINESMAN'S PLIERS

#### Features

- High Leverage
- Precise tip clearance as blades are individually adjusted and checked
- Extra long cutter blades for cutting multi-stranded flat cables with one snip
- Made from drop forged chrome vanadium steel and fully heat treated
- Black baked finish with 1000V insulated heavy duty comfort handle grips

#### Specifications

Part No:	WATMA880W
Cutting Capacity:	Up to 6.0mm <sup>2</sup> diameter copper wire Up to 2.8mm <sup>2</sup> diameter steel wire
Crimping Capacity:	2.5 – 6.0mm <sup>2</sup> non-insulated terminals
Length:	225mm
Weight:	460g



### 11.1.3 1000V INSULATED LINESMAN'S PLIERS

#### Features

- Precise tip clearance as blades are individually adjusted and checked
- Extra long cutter blades for cutting multi-stranded flat cables with one snip
- Made from drop forged chrome vanadium steel
- Black baked finish with 1000V insulated heavy duty comfort handle grips

#### Specifications

Part No:	WATMA880-1K
Cutting Capacity:	Up to 4.0mm <sup>2</sup> diameter copper wire Up to 2.0mm <sup>2</sup> diameter steel wire
Crimping Capacity:	2.5 – 6.0mm <sup>2</sup> non-insulated terminals
Length:	200mm
Weight:	410g



## 11.1 PLIERS AND SIDE CUTTERS

### 11.1.4 SIDE CUTTING PLIERS

#### Features

- Diamond pattern nose grip for cleaner, sharper edges and better grip
- Side cutters with wire stripping hole
- Heavy duty plastic grips with terminal crimping die
- Made from drop forged chrome vanadium steel
- Fully heat treated
- Black baked finish with polished head

#### Specifications

Part No:	WATMA480
Cutting Capacity:	Up to 2.0mm <sup>2</sup> diameter x 3 wires flat cable Up to 3.2mm <sup>2</sup> diameter copper wire Up to 2.6mm <sup>2</sup> diameter steel wire
Crimping Capacity:	2.5 – 6.0mm <sup>2</sup> non-insulated terminals
Stripping Capacity:	0.25 – 3.5mm <sup>2</sup> cable
Length:	215mm
Weight:	400g

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### 11.1.5 CABLE CUTTING PLIERS

#### Features

- Machine polished blades cut cable without distortion
- Built-in terminal crimping die on handle side of pivot
- Cross hatch nose grip helps grip thin materials easily
- Heavy duty comfort handle grips
- For cutting TPS cable and circular cable
- Cuts copper cable only; not designed to cut steel

#### Specifications

Part No:	WATMVA200
Cutting Capacity:	Up to 2.6mm <sup>2</sup> diameter x 3 wires flat cable 25mm <sup>2</sup> x 9.2mm diameter copper cable
Crimping Capacity:	1.25 – 2.0mm <sup>2</sup> non-insulated terminals
Length:	215mm
Weight:	340g

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### 11.1.6 MICRO LONG NOSE PLIERS

#### Features

- Micro long nose pliers with side cutters
- With coil spring self operation for intricate work
- Made from drop forged chrome vanadium steel
- Spring assisted handles
- Fully heat treated
- Dipped vinyl handle grips

#### Specifications

Part No:	WATMA520S
Cutting Capacity:	Up to 2.5mm <sup>2</sup> diameter copper wire Up to 1.5mm <sup>2</sup> diameter steel wire
Length:	130mm
Weight:	80g

MADE IN JAPAN



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HAND TOOLS

## 11.1 PLIERS AND SIDE CUTTERS

### 11.1.7 LONG NOSE PLIERS

#### Features

- Long nose pliers with side cutters
- Used for wiring, assembly and repair work
- Made from drop forged chrome vanadium steel
- Long serrated inside jaws
- Fully heat treated bevelled side cutting pliers
- Black baked finish with polished jaws

#### Specifications

Part No:	WATMA500200
Cutting Capacity:	Up to 2.6mm <sup>2</sup> diameter copper wire Up to 1.5mm <sup>2</sup> diameter steel wire
Length:	200mm
Weight:	260g

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### 11.1.8 1000V INSULATED LONG NOSE PLIERS

#### Features

- Long nose pliers with side cutters
- Used for wiring, assembly and repair work
- Made from drop forged chrome vanadium steel
- Long serrated inside jaws
- 1000V insulated heavy duty comfort handle grips
- Black baked finish, fully heat treated and individually tested to 10,000V

#### Specifications

Part No:	WATMA500200-1K
Cutting Capacity:	Up to 4.0mm <sup>2</sup> diameter copper wire Up to 2.0mm <sup>2</sup> diameter steel wire
Length:	200mm
Weight:	250g



### 11.1.9 LOCKING PLIERS

#### Features

- Vice grip pliers
- Oval jaws
- Can be locked into position via over centre action
- Ideal for tightening, clamping, twisting and turning
- Tighten screw to adjust pressure

#### Specifications

Part No:	WATLP1
Length:	250mm
Weight:	540g



## 11.1 PLIERS AND SIDE CUTTERS

### 11.1.10 1000V INSULATED MULTIGRIP PLIERS

#### Features

- Adjustable grip jaw design accommodates many shapes
- Grooved undercut to prevent slipping when tightening
- Made from drop forged chrome vanadium steel
- 1000V insulated heavy duty comfort handle grips
- Individually tested to 10,000V
- Max jaw opening size 36mm

#### Specifications

**Part No:** WATMGPA12-1K  
**Length:** 240mm  
**Weight:** 420g



### 11.1.11 DIAGONAL CUTTING NIPPERS

#### Features

- Flush cutting nippers for soft wire
- Black finish with polished jaws
- Fully heat treated with dipped vinyl handle grips
- Made from drop forged chrome vanadium steel
- Ground head

#### Specifications

**Part No:** WATMA600  
**Cutting Capacity:** Up to 2.6mm<sup>2</sup> diameter copper wire  
Up to 1.6mm<sup>2</sup> diameter steel wire  
**Length:** 150mm  
**Weight:** 120g

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### 11.1.12 1000V INSULATED DIAGONAL CUTTING NIPPERS

#### Features

- Flush cutting nippers for soft wire
- Black finish with polished jaws
- Fully heat treated
- Made from drop forged chrome vanadium steel
- 1000V insulated heavy duty comfort handle grips
- Individually tested to 10,000V

#### Specifications

**Part No:** WATMA600-1K  
**Cutting Capacity:** Up to 4.0mm<sup>2</sup> diameter copper wire  
Up to 2.0mm<sup>2</sup> diameter steel wire  
**Length:** 180mm  
**Weight:** 300g



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HAND TOOLS



## 11.1 PLIERS AND SIDE CUTTERS

### 11.1.13 HEAVY DUTY CUTTING NIPPERS

#### Features

- Black finish with polished jaws
- Fully heat treated with dipped vinyl handle grips
- Made from drop forged chrome vanadium steel
- With bevelled edge blades
- Re-carbonised for extra surface hardness to handle hardened steel wire
- Cuts steel and copper wire

#### Specifications

Part No:	WATMA620
Cutting Capacity:	Up to 3.0mm <sup>2</sup> diameter copper wire Up to 2.0mm <sup>2</sup> diameter steel wire
Length:	175mm
Weight:	200g

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### 11.1.14 DIAGONAL CUTTING NIPPERS

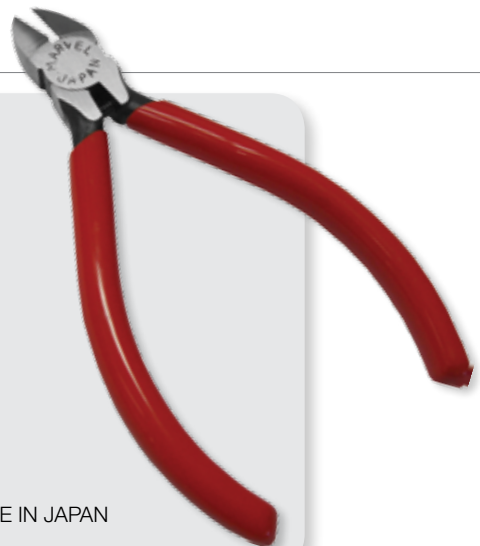
#### Features

- Spring loaded diagonal cutting nippers for soft wire
- Black finish with polished jaws
- Made from drop forged chrome vanadium steel
- Fully heat treated
- Ground head with dipped vinyl handle grips

#### Specifications

Part No:	WATMA640S
Cutting Capacity:	Up to 1.0mm <sup>2</sup> diameter copper wire Up to 0.8mm <sup>2</sup> diameter steel wire
Length:	110mm
Weight:	80g

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### 11.1.15 HIGH LEVERAGE CUTTING NIPPERS

#### Features

- High leverage design with bevelled blades
- For heavy duty cutting of steel wire
- Made from drop forged chrome vanadium steel
- Fully heat treated, black finish with polished jaws
- Ground head with dipped vinyl handle grips

#### Specifications

Part No:	WATMA730
Cutting Capacity:	Up to 2.0mm <sup>2</sup> diameter x 3 wires flat cable Up to 3.0mm <sup>2</sup> diameter copper wire Up to 2.6mm <sup>2</sup> diameter steel wire
Length:	200mm
Weight:	340g

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## 11.1 PLIERS AND SIDE CUTTERS

### 11.1.16 1000V INSULATED HIGH LEVERAGE CUTTING NIPPERS

#### Features

- High leverage design with bevelled blades
- For heavy duty cutting of steel wire
- Made from drop forged chrome vanadium steel
- Fully heat treated, black baked finish with polished jaws
- Ground head with heavy duty comfort handle grips
- 1000V insulated handle grips

#### Specifications

Part No:	WATMA730-1K
Cutting Capacity:	Up to 5.0mm <sup>2</sup> diameter copper wire Up to 2.4mm <sup>2</sup> diameter steel wire
Length:	200mm
Weight:	290g



### 11.1.17 MINI DIAGONAL CUTTING PLIERS

#### Features

- Side cutters with opening spring
- Hardened cutting edges
- 21° clearance angle

#### Specifications

Part No:	WATM250C
Cutting Capacity:	Up to 1.3mm <sup>2</sup> diameter copper wire
Length:	140mm
Weight:	80g



### 11.1.18 WIRE ROPE SPRING CUTTER

#### Features

- Wire rope cutter with spring
- Made from high alloy steel
- Dipped vinyl handle grips

#### Specifications

Part No:	WATWRSC
Cutting Capacity:	Up to 4.75mm <sup>2</sup> diameter wire rope Up to 1.58mm <sup>2</sup> diameter spring wire
Length:	190mm
Weight:	270g



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HAND TOOLS

## 11.2 INSULATED TOOLS

THERE ARE FIVE BASIC TESTS CONDUCTED ACCORDING TO EN60900 STANDARD. THEY CONSIST OF:

### Insulation Test

Prior to testing, the tools are heated and weights are loaded onto the hanger. The tools are then tested after they have been removed from the heat. If the handles remain attached then they have passed the insulation test.



### Electrical Test

Prior to testing, the tools are submerged in water. If there is no electrical discharge during voltage testing of 10.000V then they have passed the electrical test.



### Flame Retardant Test

A flame is applied to the tools. If the flame is less than 12cm after the heat has been removed then they have passed the flame retardant test.



### Impact Test

A hammer falls onto the tools in three different spots. Testing is performed at -25°C and +23°C. If the handles have not cracked then they have passed the impact test.



### Stamp Test

A 20N indenter is applied to the centre of the handles. If the tools pass the electrical test in this instance then they have passed the stamp test.





## 11.2 INSULATED TOOLS

### 11.2.1 1000V INSULATED DIAGONAL CUTTING NIPPERS

#### Features

- Flush cutting nippers for soft wire
- Black finish with polished jaws
- Fully heat treated
- Made from drop forged chrome vanadium steel
- 1000V insulated heavy duty comfort handle grips
- Individually tested to 10,000V

#### Specifications

Part No:	WATMA600-1K
Cutting Capacity:	Up to 4.0mm <sup>2</sup> diameter copper wire Up to 2.0mm <sup>2</sup> diameter steel wire
Length:	180mm
Weight:	300g



### 11.2.2 1000V INSULATED HIGH LEVERAGE CUTTING NIPPERS

#### Features

- High leverage design with bevelled blades
- For heavy duty cutting of steel wire
- Made from drop forged chrome vanadium steel
- Fully heat treated, black baked finish with polished jaws
- 1000V insulated heavy duty comfort handle grips

#### Specifications

Part No:	WATMA730-1K
Cutting Capacity:	Up to 5.0mm <sup>2</sup> diameter copper wire Up to 2.4mm <sup>2</sup> diameter steel wire
Length:	200mm
Weight:	290g



### 11.2.3 1000V INSULATED LONG NOSE PLIERS

#### Features

- Long nose pliers with side cutters
- Used for wiring, assembly and repair work
- Made from drop forged chrome vanadium steel
- Long serrated inside jaws
- 1000V insulated heavy duty comfort handle grips
- Black baked finish, fully heat treated and individually tested to 10,000V

#### Specifications

Part No:	WATMA500200-1K
Cutting Capacity:	Up to 4.0mm <sup>2</sup> diameter copper wire Up to 2.0mm <sup>2</sup> diameter steel wire
Length:	200mm
Weight:	250g



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HAND TOOLS

## 11.2 INSULATED TOOLS

### 11.2.4 1000V INSULATED HIGH LEVERAGE LINESMAN'S PLIERS

#### Features

- High leverage
- Precise tip clearance as blades are individually adjusted and checked
- Extra long cutter blades for cutting multi-stranded flat cables with one snip
- Made from drop forged chrome vanadium steel and fully heat treated
- Black baked finish with 1000V insulated heavy duty comfort handle grips

#### Specifications

Part No:	WATMA880W
Cutting Capacity:	Up to 6.0mm <sup>2</sup> diameter copper wire Up to 2.8mm <sup>2</sup> diameter steel wire
Crimping Capacity:	2.5 – 6.0mm <sup>2</sup> non-insulated terminals
Length:	225mm
Weight:	460g



### 11.2.5 1000V INSULATED LINESMAN'S PLIERS

#### Features

- Precise tip clearance as blades are individually adjusted and checked
- Extra long cutter blades for cutting multi-stranded flat cables with one snip
- Made from drop forged chrome vanadium steel
- Black baked finish with 1000V insulated heavy duty comfort handle grips

#### Specifications

Part No:	WATMA880-1K
Cutting Capacity:	Up to 4.0mm <sup>2</sup> diameter copper wire Up to 2.0mm <sup>2</sup> diameter steel wire
Crimping Capacity:	2.5 – 6.0mm <sup>2</sup> non-insulated terminals
Length:	200mm
Weight:	410g



### 11.2.6 1000V INSULATED MULTIGRIP PLIERS

#### Features

- Adjustable grip jaw design accommodates many shapes
- Grooved undercut to prevent slipping when tightening
- Made from drop forged chrome vanadium steel
- 1000V insulated heavy duty comfort handle grips
- Individually tested to 10,000V
- Max jaw opening size 36mm

#### Specifications

Part No:	WATMGPA12-1K
Length:	240mm
Weight:	420g



## 11.2 INSULATED TOOLS

### 11.2.7 1000V INSULATED CABLE CUTTER

#### Features

- Blades and handles made from drop forged chrome vanadium steel
- Blade shape designed to cut without distortion
- Polished head and heavy duty comfort handle grips
- Black baked finish with polished jaws
- For cutting copper cable only

#### Specifications

Part No:	WATME60-1K
Cutting Capacity:	Up to 60mm <sup>2</sup> diameter copper cable
Length:	215mm
Weight:	430g



### 11.2.8 1000V INSULATED VDE CABLE KNIFE

#### Features

- 1000V insulated cable knife with strong, straight blade and protective cap
- Ideal for cutting and stripping cable
- Ergonomically designed handle
- Handle made from high quality plastic
- 50mm blade length

#### Specifications

Part No:	WAT070104
Length:	200mm
Weight:	100g



### 11.2.9 1000V INSULATED VDE CABLE KNIFE

#### Features

- 1000V insulated handle with protective cap
- Ideal for cutting and stripping cable
- Special hardened blade with welded plate at end of blade
- Ergonomically designed handle
- Handle made from high quality plastic
- 50mm blade length

#### Specifications

Part No:	WAT070107
Length:	200mm
Weight:	100g



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HAND TOOLS

## 11.2 INSULATED TOOLS

### 11.2.10 1000V INSULATED VDE CABLE KNIFE

#### Features

- 1000V insulated handle with integrated blade protector
- Ideal for cutting and stripping cable
- Includes interchangeable blade
- Ergonomically designed handle
- Handle made from high quality plastic
- 50mm blade length

#### Specifications

**Part No:** WAT070109  
**Length:** 180mm  
**Weight:** 70g



### 11.2.11 1000V INSULATED VDE CABLE KNIFE

#### Features

- 1000V insulated handle with hook blade protective cap
- Ideal for cutting and stripping heavy duty and thick-sized cable
- 40mm special hardened blade with welded plate at end of blade
- Ergonomically designed handle
- Handle made from high quality plastic

#### Specifications

**Part No:** WAT10530  
**Length:** 190mm  
**Weight:** 98g



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### 11.2.12 1000V INSULATED IC CABLE KNIFE

#### Features

- 1000V insulated handle with integrated blade protector
- Ideal for cutting and stripping cable
- Includes interchangeable blade
- Ergonomically designed handle
- Handle made from high quality plastic

#### Specifications

**Part No:** WAT13920  
**Length:** 180mm  
**Weight:** 63g



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## 11.2 INSULATED TOOLS

### 11.2.13 6PC INSULATED SCREWDRIVER SET

#### Features

- 6 piece 1000V insulated screwdriver set
- Individually tested in water to 10,000V to ensure maximum safety
- Tested in accordance with DIN EN 60900 and IEC900
- Burnished blades of high alloy steel
- Ergonomically designed handles with soft and hard grip
- VDE approved

#### Specifications

Part No: WAT620757



1000V 10  
IEC60900:2004



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Contents of Set		
Type	Head Size	Shaft Length
Slotted	0.5 x 3.0mm	100mm
Slotted	0.8 x 4.0mm	100mm
Slotted	1.0 x 5.5mm	125mm
Slotted	1.2 x 6.5mm	150mm
Phillips	No.1	80mm
Phillips	No.2	100mm

### 11.2.14 7PC INSULATED SCREWDRIVER SET

#### Features

- 7 piece 1000V insulated screwdriver set with tester
- Individually tested in water to 10,000V to ensure maximum safety
- Tested in accordance with DIN EN 60900 and IEC900
- Burnished blades of high alloy steel
- Ergonomically designed handles with soft and hard grip
- VDE approved

#### Specifications

Part No: WAT620585



1000V 10  
IEC60900:2004



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Contents of Set		
Type	Head Size	Shaft Length
Slotted	0.4 x 2.5mm	75mm
Slotted	0.8 x 4.0mm	100mm
Slotted	1.0 x 5.5mm	125mm
Slotted	1.2 x 6.5mm	150mm
Phillips	No.1	80mm
Phillips	No.2	100mm
Slotted	Test Screwdriver	

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HAND TOOLS



## 11.2 INSULATED TOOLS

### 11.2.15 7PC INSULATED SCREWDRIVER SET

#### Features

- 7 piece 1000V insulated screwdriver set with bonus volt stick
- Individually tested in water to 10,000V to ensure maximum safety
- Tested in accordance with DIN EN 60900 and IEC900
- New and improved handles designed to suit torque level
- Ergonomically designed handles with soft and hard grip
- Burnished blades of high alloy steel; VDE approved

#### Specifications

Part No: WAT653742VS



1000V 10  
IEC60900:2004



Contents of Set		
Type	Head Size	Shaft Length
Slotted	3.0mm	100mm
Slotted	4.0mm	100mm
Slotted	5.5mm	125mm
Slotted	6.5mm	150mm
Phillips	No.1	80mm
Phillips	No.2	100mm
Volt Stick		



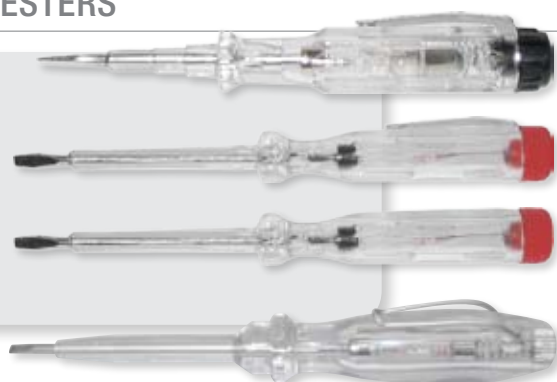
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### 11.2.16 TEST SCREWDRIVERS/VOLTAGE TESTERS

#### Features

- Screwdriver voltage testers
- With metal clip for added convenience (except WAT669C)
- Screwdrivers are fully functional voltage testers

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Specifications			
Part No.	Type	Length	Voltage Range
WAT610C	Slotted	115mm	220 – 250V
WAT630A	Slotted	140mm	220 – 250V
WAT669C	Slotted	190mm	220 – 250V
WAT24090	Slotted	153mm	150 – 250V



## 11.2 INSULATED TOOLS

### 11.2.17 7PC INSULATED ELECTRONIC SCREWDRIVER SET

#### Features

- 7 piece insulated electronic screwdriver set
- 1000V insulation and precision machined screwdrivers
- Blades made from chrome molybdenum steel
- Rotating head for fast screwing
- Stored in sturdy black plastic case for convenience

#### Specifications

Part No: WAT9805-7



1000V 10  
IEC60900:2004



Contents of Set			
Type	Head Size	Shaft Length	Overall Length
Slotted	0.23 x 1.5mm	65mm	165mm
Slotted	0.40 x 2.0mm	65mm	165mm
Slotted	0.40 x 2.5mm	65mm	165mm
Slotted	0.50 x 3.0mm	65mm	165mm
Phillips	No.00	65mm	165mm
Phillips	No.0	65mm	165mm
Phillips	No.1	65mm	165mm

### 11.2.18 PROTOP II® VDE INSULATED SCREWDRIVERS

#### Features

- VDE approved safety insulated screwdrivers
- Individually tested for dielectric strength in water up to 10,000V
- Hanging hole provides higher tightening leverage
- Dual surface for superior grip
- Triangular shaped handle and chrome vanadium steel blades
- Cold impact testing at -40°C, complies with DIN EN60900 and IEC900



1000V 10  
IEC60900:2004



\*Note: Image for illustrative purposes

Specifications			
Part No	Type	Head Size	Shaft Length
WAT74101	Slotted	0.4 x 2.5 mm	75mm
WAT74102	Slotted	0.5 x 3.0 mm	100mm
WAT74103	Slotted	0.6 x 3.5 mm	100mm
WAT74104	Slotted	0.8 x 4.0 mm	100mm
WAT74105	Slotted	1.0 x 5.5 mm	125mm
WAT74106	Slotted	1.2 x 6.5 mm	150mm
WAT74107	Slotted	1.2 x 8.0 mm	175mm
WAT74108	Slotted	1.6 x 10.0 mm	200mm
WAT74119	Slotted	1.0 x 4.5 mm	175mm
WAT74501	Phillips	No. 0	60mm
WAT74502	Phillips	No. 1	80mm
WAT74503	Phillips	No. 2	100mm
WAT74504	Phillips	No. 3	150mm
WAT74505	Phillips	No. 4	200mm
WAT74701	Pozidrive	No. 0	60mm
WAT74702	Pozidrive	No. 1	80mm
WAT74703	Pozidrive	No. 2	100mm
WAT74704	Pozidrive	No. 3	150mm



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HAND TOOLS

## 11.2 INSULATED TOOLS

### 11.2.19 20PC ½" DRIVE INSULATED SOCKET WRENCH SET

#### Features

- 1000V 20pc socket wrench set
- Sockets individually labelled for easy identification
- Quick release socket mechanism
- Soft cushion grip handles for comfort
- Packed in a sturdy plastic carry case
- VDE approved

#### Specifications

**Part No:** WATVDE12SWS-20

**Weight:** 3510g



1000V 10  
IEC60900:2004



Contents of Set		
Description	Sizes	Qty
½" DR. Ratchet	250mm	1 each
½" DR. T-Handle	200mm	1 each
2 x ½" DR. Extension Bars	125mm, 250mm	1 each
11 x ½" DR. Sockets	10, 11, 12, 13, 14, 17, 19, 22, 24, 27, 32mm	1 each
5 x ½" DR. Hex Sockets	4, 5, 6, 8, 10mm	1 each

### 11.2.20 ½" DRIVE INSULATED RATCHET

#### Features

- 1000V ½" drive ratchet
- Quick release socket mechanism
- Soft cushion grip handle
- VDE approved

#### Specifications

**Part No:** WATVDE12-401

**Weight:** 550g



1000V 10  
IEC60900:2004



### 11.2.21 ½" DRIVE INSULATED T-HANDLE

#### Features

- 1000V ½" drive T-Handle
- Quick release socket mechanism
- Soft cushion grip handle
- VDE approved

#### Specifications

**Part No:** WATVDE12-402

**Weight:** 330g



1000V 10  
IEC60900:2004



## 11.2 INSULATED TOOLS

### 11.2.22 1/2" DRIVE INSULATED EXTENSION BARS

#### Features

- Extension bars individually labelled for easy identification
- Quick release socket mechanism
- 1000V VDE approved



Specifications			
Part No	Drive	Length	Weight
WATVDE12-403	1/2"	125mm	210g
WATVDE12-404	1/2"	250mm	410g

### 11.2.23 1/2" DRIVE INSULATED SOCKETS

#### Features

- Sockets individually labelled for easy identification
- 1000V VDE approved



Specifications				
Part No	Size	Length	Drive	Weight
WATVDE12-410	10mm	55mm	1/2"	55g
WATVDE12-411	11mm	55mm	1/2"	57g
WATVDE12-412	12mm	55mm	1/2"	58g
WATVDE12-413	13mm	55mm	1/2"	59g
WATVDE12-414	14mm	55mm	1/2"	62g
WATVDE12-417	17mm	55mm	1/2"	70g
WATVDE12-419	19mm	57mm	1/2"	72g
WATVDE12-422	22mm	57mm	1/2"	87g
WATVDE12-424	24mm	57mm	1/2"	96g
WATVDE12-427	27mm	59mm	1/2"	125g
WATVDE12-432	32mm	59mm	1/2"	170g

### 11.2.24 1/2" DRIVE INSULATED HEX SOCKETS

#### Features

- Hex sockets individually labelled for easy identification
- 1000V VDE approved



Specifications				
Part No	Size	Length	Drive	Weight
WATVDE12-4H4	4mm	75mm	1/2"	78g
WATVDE12-4H5	5mm	75mm	1/2"	78g
WATVDE12-4H6	6mm	75mm	1/2"	79g
WATVDE12-4H8	8mm	75mm	1/2"	80g
WATVDE12-4H10	10mm	75mm	1/2"	89g
WATVDE12-4H04	4mm	120mm	1/2"	99g
WATVDE12-4H05	5mm	120mm	1/2"	99g
WATVDE12-4H06	6mm	120mm	1/2"	100g
WATVDE12-4H08	8mm	120mm	1/2"	102g
WATVDE12-4H010	10mm	120mm	1/2"	121g

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## 11.2 INSULATED TOOLS

### 11.2.25 16PC 3/8" DRIVE INSULATED SOCKET WRENCH SET

#### Features

- 1000V 16pc socket wrench set
- Sockets individually labelled for easy identification
- Quick release socket mechanism
- Soft cushion grip handles for comfort
- Packed in a sturdy plastic carry case
- VDE approved

#### Specifications

**Part No:** WATVDE38SWS-16

**Weight:** 2000g



Contents of Kit		
Description	Sizes	Qty
3/8" DR. Ratchet	250mm	1 each
3/8" DR. T-Handle	200mm	1 each
2 x 3/8" DR. Extension Bars	150mm, 250mm	1 each
8 x 3/8" DR. Sockets	8, 10, 12, 13, 14, 17, 19, 22mm	1 each
4 x 3/8" DR. Hex Sockets	4, 5, 6, 8mm	1 each

## 11.3 CONDUIT/CABLE CUTTERS

### 11.3.1 PVC PIPE/DUCT CUTTER

#### Features

- PVC pipe and duct cutter with anvil
- Special steel blades
- Ergonomically designed handles to minimise effort
- Gives clean edges and a professional finish to all pipe and duct cutting
- Ratcheting action
- Anvil is marked for accurate 45° mitre cuts

#### Specifications

**Part No:** WATM42

**Cutting Capacity:** Up to 38mm<sup>2</sup> diameter PVC pipe and 25mm x 25mm<sup>2</sup> diameter duct

**Length:** 210mm



Accessories	
Part No	Description
WATM42SA	Spare Anvil
WATM42SB	Spare Blade



## 11.3 CONDUIT/CABLE CUTTERS

### 11.3.2 210MM CABLE CUTTER

#### Features

- Blades and handles made from drop forged chrome vanadium steel
- Blade shape designed to cut without distortion
- Polished head and dipped vinyl handle grips
- Black baked finish with polished jaws
- Lightweight and handy pocket sized cutter for one handed use
- For cutting copper cable only

#### Specifications

Part No:	WATME38
Cutting Capacity:	Up to 38mm <sup>2</sup> diameter copper cable
Length:	210mm
Weight:	260g

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### 11.3.3 235MM CABLE CUTTER

#### Features

- Blades and handles made from drop forged chrome vanadium steel
- Blade shape designed to cut without distortion
- Polished head and dipped vinyl handle grips
- Black baked finish with polished jaws
- Precise pivot adjustment for smooth handle action
- For cutting copper cable only

#### Specifications

Part No:	WATME60
Cutting Capacity:	Up to 60mm <sup>2</sup> diameter copper cable
Length:	235mm
Weight:	430g

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### 11.3.4 1000V INSULATED CABLE CUTTER

#### Features

- Blades and handles made from drop forged chrome vanadium steel
- Blade shape designed to cut without distortion
- Polished head and heavy duty comfort handle grips
- Black baked finish with polished jaws
- For cutting copper cable only

#### Specifications

Part No:	WATME60-1K
Cutting Capacity:	Up to 60mm <sup>2</sup> diameter copper cable
Length:	215mm
Weight:	430g



## 11.3 CONDUIT/CABLE CUTTERS

### 11.3.5 245MM CABLE CUTTER

#### Features

- Blades and handles made from drop forged chrome vanadium steel
- Blade shape designed to cut without distortion
- Polished head and dipped vinyl handle grips
- Black baked finish with polished jaws
- For cutting copper cable only

#### Specifications

Part No:	WATME80
Cutting Capacity:	Up to 80mm <sup>2</sup> diameter copper cable
Length:	245mm
Weight:	500g



### 11.3.6 160MM CABLE CUTTER

#### Features

- Blades and handles are made from drop forged chrome vanadium steel
- Blade shape designed to cut without distortion
- Polished head
- Dipped vinyl cushioned handle grips
- Lightweight
- For cutting copper cable only

#### Specifications

Part No:	WATME22C
Cutting Capacity:	Up to 22mm <sup>2</sup> diameter copper cable
Length:	160mm
Weight:	185g

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### 11.3.7 QUADRO ALLROUNDER CRIMPER/STRIPPER/CUTTER

#### Features

- Strips, twists, crimps and cuts
- Self-adjusting blades will not damage conductors
- Quick change sleeve magazine stores bootlace terminals in handle
- Ergonomically designed handles for tireless operation
- Built-in twisting device prevents wires splitting before crimping
- Supplied with 50 x 0.5, 50 x 0.75, 50 x 1.0, 50 x 1.5 & 50 x 2.5mm<sup>2</sup> bootlace terminals, inner case, 2 x magazines and convenient carry case

#### Specifications

Part No:	WAT60000
Crimping Capacity:	0.5, 0.75, 1.0, 1.5 & 2.5mm <sup>2</sup> bootlace terminals
Cutting Capacity:	Up to 2.5mm <sup>2</sup> diameter PVC flexible cable
Stripping Capacity:	0.5-2.5mm <sup>2</sup> cable
Length:	180mm
Weight:	220g

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## 11.3 CONDUIT/CABLE CUTTERS

### 11.3.8 CABLE STRIPPER/CRIMPER/CUTTER

#### Features

- Stripper/crimper/cutter in one tool
- Special light pressured handles
- Lightweight

#### Specifications

Part No:	WATSTCRS9
Crimping Capacity:	0.5-6.0mm <sup>2</sup> pre-insulated terminals 0.5-6.0mm <sup>2</sup> non-insulated terminals 7.0-8.0mm <sup>2</sup> ignition terminals
Cutting Capacity:	0.2-6.0mm <sup>2</sup> diameter cable
Stripping Capacity:	0.2-6.0mm <sup>2</sup> diameter cable
Length:	210mm
Weight:	290g



### 11.3.9 WIRE ROPE SPRING CUTTER

#### Features

- Wire rope cutter with spring
- Made from high alloy steel
- Dipped vinyl handle grips

#### Specifications

Part No:	WATWRSC
Cutting Capacity:	Up to 4.75mm <sup>2</sup> diameter wire rope Up to 1.58mm <sup>2</sup> diameter spring wire
Length:	190mm
Weight:	270g



### 11.3.10 CABLE CUTTER

#### Features

- Ratchet controlled with release option in every cutting position
- Cuts cable with burr-free cut
- Burnished surface and high tempered steel frame
- Ergonomically shaped plastic coated handles
- Made from high strength special steel and specially heat treated functioning parts
- Suitable for copper and aluminium cable only

#### Specifications

Part No:	WATSH320
Cutting Capacity:	Up to 32mm <sup>2</sup> diameter stranded cable Up to 25mm <sup>2</sup> diameter aluminium and 15mm <sup>2</sup> diameter copper solid cable
Length:	260mm
Weight:	600g



Accessories	
Part No	Description
WATSH320FB	Spare Fixed Blade
WATSH320MB	Spare Moveable Blade

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## 11.3 CONDUIT/CABLE CUTTERS

### 11.3.11 CABLE CUTTER

#### Features

- Ratchet controlled with release option in every cutting position
- Cuts cable with burr-free cut
- Burnished surface and high tempered steel frame
- Ergonomically shaped plastic coated handles
- Made from high strength special steel and specially heat treated functioning parts
- Suitable for copper and aluminium cable only

#### Specifications

**Part No:** WATSH500  
**Cutting Capacity:** Up to 52mm<sup>2</sup> diameter stranded cable  
 Up to 25mm<sup>2</sup> diameter aluminium and  
 15mm<sup>2</sup> diameter copper solid cable  
**Length:** 285mm  
**Weight:** 800g



Accessories	
Part No	Description
WATSH500FB	Spare Fixed Blade
WATSH500MB	Spare Moveable Blade

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### 11.3.12 CABLE CUTTER

#### Features

- Blade cuts without distortion leaving cable end round for crimping and stripping etc
- Made from drop forged steel with fully heat treated blades
- Ground finish on blades
- Heat treated and tempered aluminium alloy handles
- Handles are made from baked enamel with vinyl handle grips
- Extremely sturdy

#### Specifications

**Part No:** WATME250  
**Cutting Capacity:** Up to 250mm<sup>2</sup> diameter copper cable  
**Length:** 600mm  
**Weight:** 1.54kg



Accessories	
Part No	Description
WATME250B	Spare Blade
WATME250H	Spare Handle
WATME250PP	Spare Pivot Pin

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### 11.3.13 CABLE CUTTER

#### Features

- Blade cuts without distortion leaving cable end round for crimping and stripping etc
- Made from drop forged steel and fully heat treated blades
- Ground finish on blades
- Heat treated and tempered aluminium alloy handles
- Handles are made from baked enamel with vinyl handle grips
- Extremely sturdy

#### Specifications

**Part No:** WATME500  
**Cutting Capacity:** Up to 500mm<sup>2</sup> diameter copper cable  
**Length:** 800mm  
**Weight:** 2.93kg



Accessories	
Part No	Description
WATME500B	Spare Blade
WATME500H	Spare Handle
WATME500PP	Spare Pivot Pin

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## 11.3 CONDUIT/CABLE CUTTERS

### 11.3.14 MINI BATTERY CABLE CUTTER

#### Features

- Battery powered cable cutter for multi-stranded copper and aluminium cable
- Special blade design with 330° rotating head
- Compact, fast and lightweight
- Ergonomically designed for one-handed operation
- Quick stop motor and slim cutting head designed for tight spaces
- Max jaw opening size: 35mm

#### Specifications

Part No:	WATES32
Head Type:	Scissor Type
Cutting Capacity:	Up to 32mm <sup>2</sup> diameter stranded cable, 14mm <sup>2</sup> fine-stranded cable, 300mm <sup>2</sup> diameter copper and 240mm <sup>2</sup> diameter aluminium cable
Cutting Force:	13kN
Cuts per Charge:	90 cuts @ 1 x 240mm <sup>2</sup> NYY
Battery:	9.6V (WATRAM2)
Weight:	1.9kg

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### 11.3.15 BATTERY POWERED CABLE CUTTER

#### Features

- Battery powered cable cutter for multi-stranded copper and aluminium cable
- Scissor blade design with 360° rotating head
- Ideal for underground cable work
- LED light and sound indicates errors and faults
- Two stage hydraulics with manual retract option
- Auto retract system when cutting is complete
- Handy light illuminates work space
- Quick stop motor and electronic control

#### Specifications

Part No:	WATES85L
Head Type:	Scissor Type
Cutting Capacity:	Up to 85mm <sup>2</sup> diameter copper and aluminium cable eg 4 x 240mm <sup>2</sup> NYY
Cutting Force:	60kN
Cuts per Charge:	70 cuts @ 4 x 240mm <sup>2</sup> NYY
Battery:	18V (WATRAL2)
Weight:	6.3kg

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## 11.3 CONDUIT/CABLE CUTTERS

### 11.3.16 POWER BLADE CABLE CUTTER

#### Features

- Versatile, fits any drill that accepts 3/8" drive shank
- Sturdy blades ensure consistent cuts and durability
- Cable distortion is minimised due to blade design
- Blades made from alloy steel
- Easy to use

#### Specifications

Part No:	WATPBCC35-078
Cutting Capacity:	Up to 30mm overall diameter CU/AL/ACSR/pre-stressed steel wire
Drive Shaft:	8mm hex
Dimensions:	280 x 260 x 90mm
Weight:	8kg



### 11.3.17 BATTERY POWERED CABLE CUTTER

#### Features

- Designed for cutting the toughest copper and aluminum cables in limited space
- Drop forged blades ensure consistent cuts and durability
- Powerful gear reduction motor pulls moveable blade through the toughest cable
- Cable distortion is minimised due to blade design
- Built-in circuit breaker for overload protection
- Easy to use
- Product supplied with battery, charger, carry case and operating instructions

#### Specifications

Part No:	WATPBCC50
Cutting Capacity:	Up to 50mm <sup>2</sup> overall diameter of copper and aluminium cable
Drive Units:	12V DC motor
Dimensions:	135 x 345 x 105mm
Weight:	2.5kg



## 11.4 CABLE STRIPPERS

### 11.4.1 SWIVEL BLADE CABLE STRIPPER

#### Features

- For precise cable stripping of common round cables
- Adjustable cutting depth
- Lightweight and dual purpose cable strippers
- Made from wear resistant nylon for longer life
- Centre or end stripping; supplied with spare blade
- Strips rubber, PVC, teflon and polyethylene

#### Specifications

Part No:	WAT10160
Stripping Capacity:	4–16mm <sup>2</sup> diameter cable
Length:	122mm
Weight:	75g



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## 11.4 CABLE STRIPPERS

### 11.4.2 SWIVEL BLADE CABLE STRIPPER

#### Features

- For precise cable stripping of common round cables
- Adjustable cutting depth
- Lightweight and dual purpose cable strippers
- Made from wear resistant nylon for longer life
- Centre or end stripping; supplied with spare blade
- Strips rubber, PVC, teflon and polyethylene

#### Specifications

Part No:	WAT10270
Stripping Capacity:	8–28mm <sup>2</sup> diameter cable
Length:	122mm
Weight:	75g

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### 11.4.3 SWIVEL BLADE CABLE STRIPPER

#### Features

- For precise cable stripping of common round cables
- Adjustable cutting depth
- Lightweight and dual purpose cable strippers
- Made from wear resistant nylon for longer life
- Centre or end stripping; supplied with spare blade
- Strips rubber, PVC, teflon and polyethylene

#### Specifications

Part No:	WAT10280
Stripping Capacity:	8–28mm <sup>2</sup> diameter cable
Length:	122mm
Weight:	85g

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### 11.4.4 SWIVEL BLADE CABLE STRIPPER

#### Features

- For precise cable stripping of common round cables
- Adjustable cutting depth
- Lightweight and dual purpose cable strippers
- Made from wear resistant nylon for longer life
- Centre or end stripping; supplied with spare blade
- Strips rubber, PVC, teflon and polyethylene

#### Specifications

Part No:	WAT10350
Stripping Capacity:	27–37mm <sup>2</sup> diameter cable
Length:	150mm
Weight:	106g

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## 11.4 CABLE STRIPPERS

### 11.4.5 SWIVEL BLADE CABLE STRIPPER

#### Features

- For precise cable stripping of common round cables
- Adjustable cutting depth
- Lightweight and dual purpose cable strippers
- Made from wear resistant nylon for longer life
- Centre or end stripping; supplied with spare blade
- Strips rubber, PVC, teflon and polyethylene

#### Specifications

Part No:	WAT10500
Stripping Capacity:	35–50mm <sup>2</sup> diameter cable
Length:	170mm
Weight:	117g

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### 11.4.6 FLAT CABLE STRIPPER

#### Features

- Automatic flat cable stripper
- Suitable for all flat cables up to 12–15mm wide
- Removes outer sheath and the inner insulation
- No setting required
- Made from fiberglass reinforced polyamide
- Ergonomically designed handles for tireless operation

#### Specifications

Part No:	WAT20030
Stripping Capacity:	0.75–2.5mm <sup>2</sup> diameter flat cable
Length:	165mm
Weight:	120g

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### 11.4.7 AUTOMATIC CABLE AND WIRE STRIPPER

#### Features

- Automatic adjustment for conductor diameter
- Will not damage conductors
- Lightweight
- 8–12mm stripping length
- With wire cutter

#### Specifications

Part No:	WAT20040
Stripping Capacity:	0.5–4.0mm <sup>2</sup> diameter cable
Length:	170mm
Weight:	120g

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## 11.4 CABLE STRIPPERS

### 11.4.8 AUTOMATIC CABLE AND WIRE STRIPPER

#### Features

- Suitable for solid and stranded conductors
- Self adjusting to diameter of wire
- Will not damage conductors
- Lightweight
- Up to 18mm stripping length
- Built-in wire cutter cuts up to 2.0mm<sup>2</sup> diameter copper wire

#### Specifications

Part No:	WAT20060
Stripping Capacity:	0.5–6.0mm <sup>2</sup> diameter cable
Length:	180mm
Weight:	180g

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### 11.4.9 AUTOMATIC CABLE AND WIRE STRIPPER

#### Features

- Suitable for all common solid and stranded conductors
- Automatic adjustment for conductor diameter
- Will not damage conductors
- Made from fiberglass reinforced polyamide, with replaceable blades
- 6–18mm stripping length
- Built-in wire cutter cuts up to 2.5mm<sup>2</sup> wire

#### Specifications

Part No:	WAT20100
Stripping Capacity:	0.2–6.0mm <sup>2</sup> diameter cable
Length:	180mm
Weight:	170g

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### 11.4.10 UNIVERSAL CABLE STRIPPER

#### Features

- Designed to strip the outer sheath from cables
- Will not damage conductors
- Designed to strip both ends and middle of cable
- Suitable for longitudinal and circular cuts
- Adjustable cutting depth of 0–5mm
- Packed in a convenient case

#### Specifications

Part No:	WATAV6220
Stripping Capacity:	Up to 25mm <sup>2</sup> diameter cable
Dimensions:	160 x 35 x 65mm
Weight:	200g



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## 11.4 CABLE STRIPPERS

### 11.4.11 QUADRO ALLROUNDER CRIMPER/STRIPPER/CUTTER

#### Features

- Strips, twists, crimps and cuts
- Self-adjusting blades will not damage conductors
- Quick change sleeve magazine stores bootlace terminals in handle
- Ergonomically designed handles for tireless operation
- Built-in twisting device prevents wires splitting before crimping
- Supplied with 50 x 0.5, 50 x 0.75, 50 x 1.0, 50 x 1.5 & 50 x 2.5mm<sup>2</sup> bootlace terminals, inner case, 2 x magazines and convenient carry case

#### Specifications

Part No:	WAT60000
Crimping Capacity:	0.5, 0.75, 1.0, 1.5 & 2.5mm <sup>2</sup> bootlace terminals
Cutting Capacity:	Up to 2.5mm <sup>2</sup> diameter PVC flexible cable
Stripping Capacity:	0.5-2.5mm <sup>2</sup> cable
Length:	180mm
Weight:	220g



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### 11.4.12 AUTOMATIC WIRE STRIPPER

#### Features

- Suitable for removing sheath from all common round cables
- Length scale for 1.5mm<sup>2</sup> and 2.5mm<sup>2</sup>
- Speedy and precise stripping of cables
- No adjustment for cutting depth required
- Made from fiberglass reinforced polyamide
- Tin coated blades ensure longer working life

#### Specifications

Part No:	WAT30400
Stripping Capacity:	8-13mm <sup>2</sup> diameter cable eg 3 x 1.5mm <sup>2</sup> and 5 x 2.5mm <sup>2</sup> NYM
Length:	130mm
Weight:	40g



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### 11.4.13 CABLE STRIPPER/CRIMPER/CUTTER

#### Features

- Stripper/crimper/cutter in one tool
- Special light pressured handles
- Lightweight

#### Specifications

Part No:	WATSTCRS9
Crimping Capacity:	0.5-6.0mm <sup>2</sup> pre-insulated terminals 0.5-6.0mm <sup>2</sup> non-insulated terminals 7.0-8.0mm <sup>2</sup> ignition terminals
Cutting Capacity:	0.2-6.0mm <sup>2</sup> diameter cable
Stripping Capacity:	0.2-6.0mm <sup>2</sup> diameter cable
Length:	210mm
Weight:	290g





## 11.4 CABLE STRIPPERS

### 11.4.14 AUTOMATIC WIRE STRIPPER

#### Features

- Strips small diameter cables in a single movement
- Precision ground special tool steel blades cut cleanly through insulation
- Blades are shaped to avoid damage to conductors
- Sturdy die cast alloy body with polyvinyl grips
- Ground special tool steel jaws and fully heat treated blades
- Locking action prevents jaws snapping back onto stripped cables

#### Specifications

Part No:	WATMES202
Stripping Capacity:	0.5–0.75, 1.0, 1.5, 2.5, 4.0 and 6.0mm <sup>2</sup> diameter cable
Length:	170mm
Weight:	365g

Accessories	
Part No	Description
WATMES202B	Spare Blade
WATMES202S	Spare Spring

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### 11.4.15 AUTOMATIC WIRE STRIPPER

#### Features

- Strips small diameter cables in a single movement
- Precision ground special tool steel blades cut cleanly through insulation
- Blades are shaped to avoid damage to conductors
- Sturdy die cast alloy body with polyvinyl grips
- Ground special tool steel jaws and fully heat treated blades
- Locking action prevents jaws snapping back onto stripped cables

#### Specifications

Part No:	WATMES-A
Stripping Capacity:	0.5, 1.2, 1.6 and 2.0mm <sup>2</sup> diameter cable
Length:	170mm
Weight:	365g

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## 11.4 CABLE STRIPPERS

### 11.4.16 AUTOMATIC WIRE STRIPPER

#### Features

- Strips small diameter cables in a single movement
- Precision ground special tool steel blades cut cleanly through insulation
- Blades are shaped to avoid damage to conductors
- Sturdy die cast alloy body with polyvinyl grips
- Ground special tool steel jaws and fully heat treated blades
- Locking action prevents jaws snapping back onto stripped cables

#### Specifications

Part No:	WATMESE2
Stripping Capacity:	1.6mm <sup>2</sup> x 2 wires and 2.0mm <sup>2</sup> x 2 wires flat cable
Length:	170mm
Weight:	365g



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### 11.4.17 TWIN AND EARTH CABLE STRIPPER

#### Features

- First action strips outer sheath
- Second action strips all three cables
- For use on flat cables only
- Does not strip live cables

#### Specifications

Part No:	WATJVA600
Stripping Capacity:	2.5mm <sup>2</sup> twin and earth flat cable
Length:	160mm
Weight:	440g



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