



# *INSULATED TOOLS*

Your Safety is our TOP PRIORITY!



1000 V

# Your safety is our TOP PRIORITY!

Our history goes back more than 120 years. Bahco has been developing and marketing professional tools for use in a wide range the world over. Our core values of performance products are well designed and available globally, backed up with local expertise.

The full guarantee Bahco offers reach new scope and depth of commitment with its safety tools, with a range of more than 200 insulated tools, one of the widest and most comprehensive range on the market.

## Our tools are safe

All Bahco insulated tools are manufactured according to International IEC60900 standards for working with live systems up to 1000 V AC & 1500 V DC. They follow strict quality controls and are subjected to the most stringent tests.

Bahco insulated tools comply with the VDE0820 Standards and 63% of the assortment is certified by the German VDE laboratory.

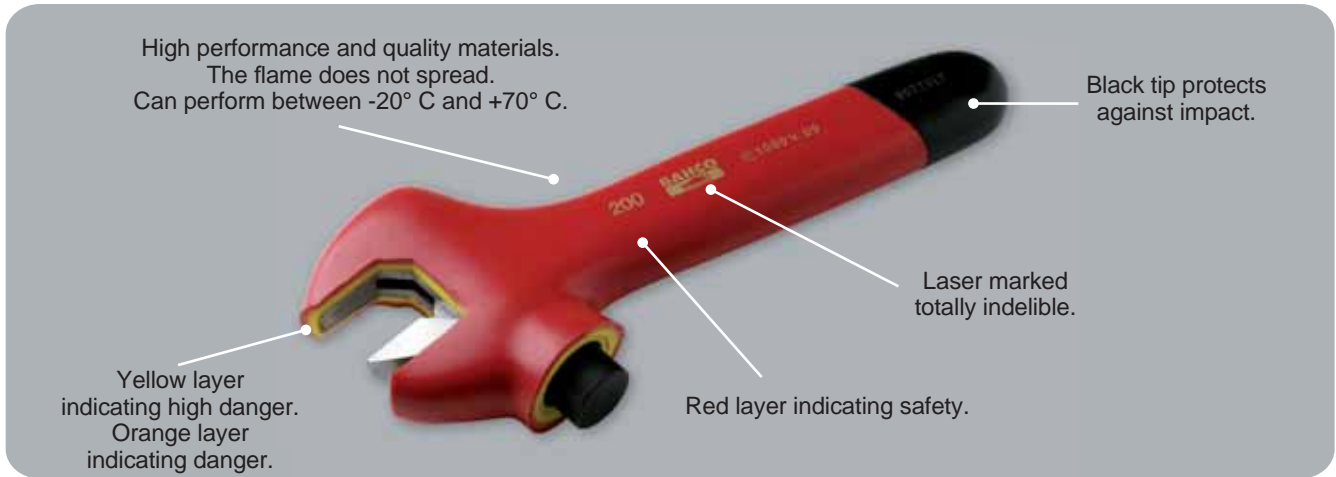
The new Bahco 1000 V assortment is adapted to both distributors and end users needs.



# Safety GUARANTEE

Bahco tools all have a high level of technical performance. The materials used are of high quality and they have been carefully chosen and tested in order to guarantee safety and durability. We are one of the few hand-tool manufacturers who make the tools and the insulation in-house, both the PVC dipped insulated version (most of the tools) and the handle version (pliers, screwdrivers).

Each tool is tested to 10000 V for a period of 10 seconds, thus guaranteeing safety during live work.



## Routine tests in accordance to IEC60900 specification



### Dielectric test

The tools are immersed in water for 24 hours. A voltage of 10kV is then continuously applied for 3 mins. The test is considered successful if no electrical puncture, spark over or flashover occurs during the test period and if the limits of leakage current are not exceeded.



### Retaining force test

This test is applied only to tools which can be assembled. The test consists of applying a force of 50 N to try to separate both parts. After a minute, both parts should stay assembled.



### Impact test

The tool is cooled at -25° C for two hours. Afterwards, a special hammer applies force on the insulating layer. The test is considered successful if the insulating material shows no breaks.



### Permanent marking durability

The markings are rubbed for 15 s with a rag soaked in water, and then for 15 s with a rag soaked in isopropanol. After this process, the marking should be legible.



### Insulation adhesion test

The tools are conditioned at a temperature of 70° C for 168 h. A force of 50 N is applied in the direction of the line dividing the insulating material coating from the conductive part for 3 min. During this test the insulation material must stay firmly attached to the basic tool.



### Penetration test

The insulating surface is pressed with a special device. A voltage of 5000 V is then applied to the tool for 3 minutes. The test is considered successful.



### Flame test

The test is considered as passed if the flame height on the tool does not exceed 120 mm and there is no leakage of insulated material in fusion.



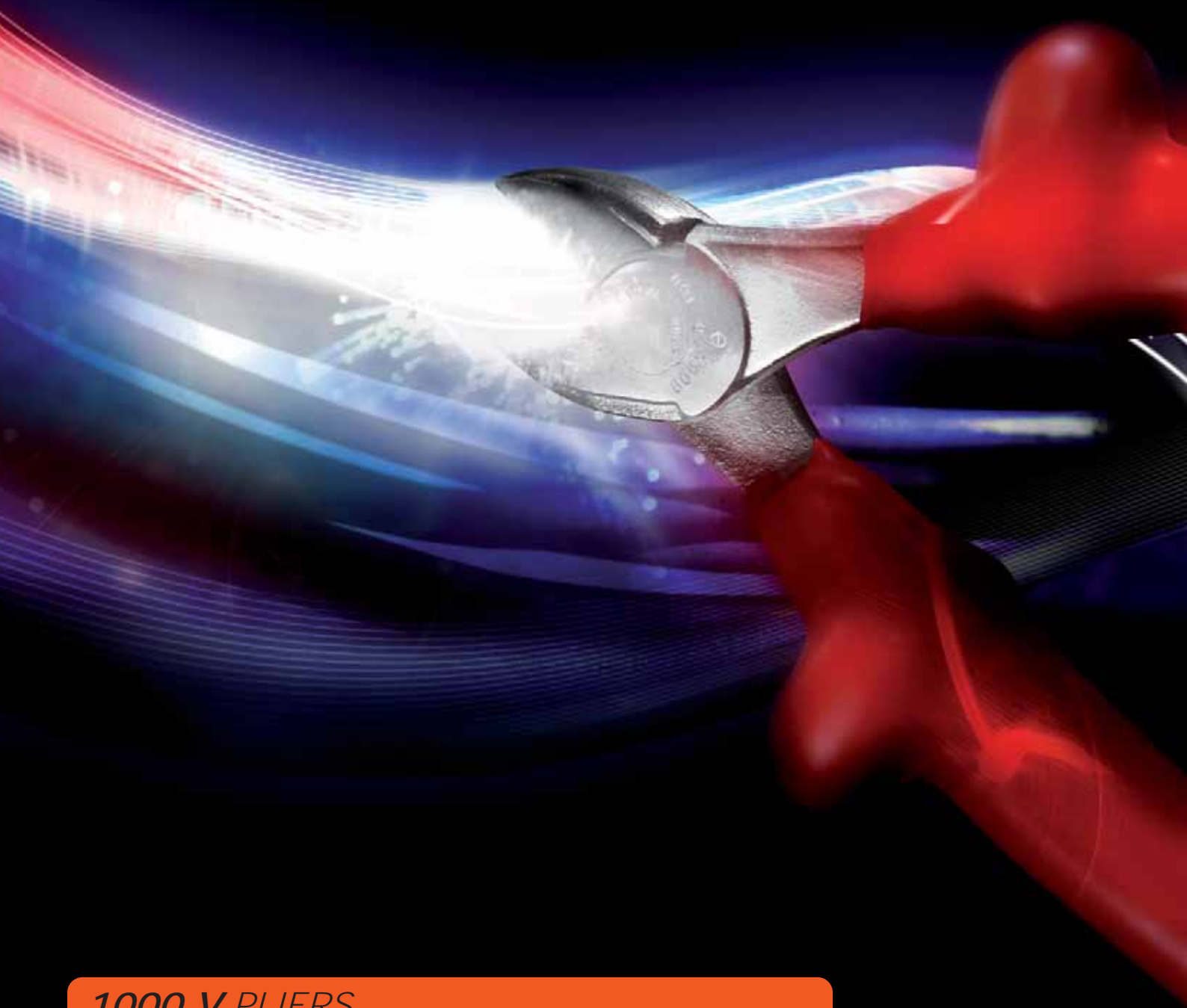
### Visual and dimensional

The tool (in particular the insulation) is visually checked and should be free from external defects. The marking should be perfectly legible and the dimensions should be in accordance with the standard.

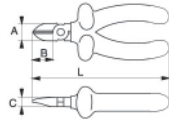


\* 63% of Bahco insulated tools are Certified by the German VDE laboratory

1000 V



1000 V PLIERS



1000 V

### Side cutting pliers

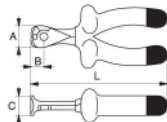
- 1 component insulated handles up to 1000 volts
  - Designed to cut hard material such as piano wire close to the joint and to cut softer material such as copper wire and plastic insulated wire at the tip
  - Shaped jaws give improved accessibility in confined spaces
  - Finish: Black oxidised, anti-corrosion treated
- ISO: 5749, DIN: 5749

Product code	L mm	A mm	B mm	C mm	⚡	Weight g
2101S-140	140	19.5	16	9	1.6	156
2101S-160	160	21.5	18	10	1.8	202
2101S-180	180	23.5	20	11	2.0	300
2101S-200	200	25.5	22	11	2.25	388

### Wire types for cutting capacity

WIRE TYPE		TENSILE STRENGTH	Ø mm
W	Soft wire	Cu - 230 N/mm <sup>2</sup>	0.5
		Bronze - 780 N/mm <sup>2</sup>	1
			1.25
M	Medium hard wire Spring wire	1600 N/mm <sup>2</sup>	1.5
			1.6
H	Hard wire Piano wire	2100 - 2250 N/mm <sup>2</sup>	1.4
			1.6
			1.8
			2

The variety between soft and piano depends on the tensile strength of the wire which of course is related to the material properties (copper, brass, iron, steel, etc). Then in each wire type we can find a large variety of thicknesses (diameters). More than the ones shown in this small chart.

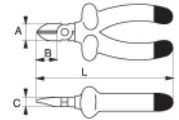


1000 V GS\*

### End cutting pliers

- 3 layers of insulation coating with different colours plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
  - Cuts from 1.0 mm soft wire to 1.6 mm hard wire
  - Chrome plated finish
- ISO: 5748 DIN: 5748

Product code	L mm	A mm	B mm	C mm	⚡	Weight g
527V-160	160	27	7	24	1.6	270
527V-200	200	32	8	27	2.0	440

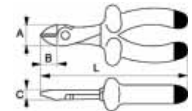


1000 V GS\*

### Side cutting pliers dipped insulation

- 3 layers of insulation coating with different colours plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
  - Cuts from 0.5 mm soft wire to 1.6 mm hard wire
  - Chrome plated finish
- ISO: 5749, DIN: 5749

Product code	L mm	A mm	B mm	C mm	⚡	Weight g
2171V-160	160	22	20	12	1.6	221
2171V-180	180	24	22	12	2.0	267



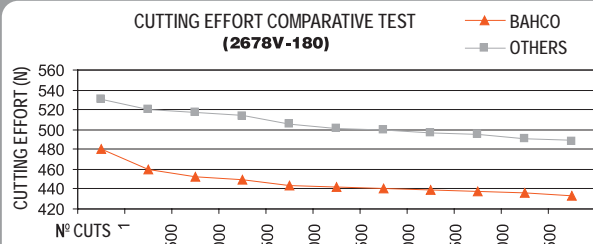
1000 V GS\*

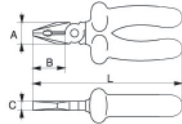
### Heavy duty side cutting pliers dipped insulation

- 3 layers of insulation coating with different colours plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
  - Cuts piano wire
  - Chrome plated finish
- ISO: 5749, DIN: 5749

Product code	L mm	A mm	B mm	C mm	⚡	Weight g
2191V-180	180	25	20	12	2.0	262
2191V-200	200	26	21	12	2.5	290

### Bahco cutting pliers enjoy better cutting capacity to other pliers



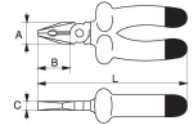


1000 V

**Combination pliers**

- 1 component insulated handles up to 1000 volts
  - Edges specially designed to cut hard material such as piano wire and spring steel wire
  - Gripping surfaces particularly suited for gripping round and flat material
  - Finish: Black oxidised, anti-corrosion treated
- ISO: 5746 DIN: 5746

Product code	L mm	A mm	B mm	C mm	⚡	Weight g
2628 S-180	180	25	36	11	2.0	265
2628 S-200	200	27	39	12	2.5	310

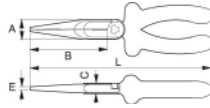


1000 V

**Combination pliers dipped insulation**

- 3 layers of insulation coating with different colours plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
  - Cuts from 1.0 mm soft wire to 1.6 mm hard wire
  - Chrome plated finish
- ISO: 5746 DIN: 5746

Product code	L mm	A mm	B mm	C mm	⚡	Weight g
2678V-160	160	23	33	11	1.8	250
2678V-180	180	26	37	12	2.0	390
2678V-200	200	29	41	12	2.5	500

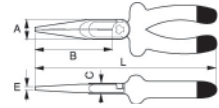


1000 V

**Snipe nose pliers**

- 1 component insulated handles up to 1000 volts
  - Slim, semi-circular shaped and serrated jaws
  - Cutting capacity: 1.6 mm hard steel wire
  - Accurately machined jaws providing a sure grip on the workpiece
  - Sharp edges for cutting softer material such as copper wire and plastic insulated wire
  - Finish: Black oxidised, anti-corrosion treated
- ISO: 5745 DIN: 5745

Product code	L mm	A mm	B mm	C mm	E mm	⚡	Weight g
2430 S-200	200	17	72	9	2.5	1.6	200

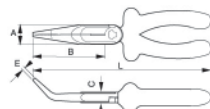


1000 V

**Snipe nose pliers dipped insulation**

- 3 layers of insulation coating with different colours plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
  - Cutting capacity from 1.0 mm soft wire to 1.6 mm hard wire
  - Chrome plated finish
- ISO: 5745 DIN: 5745

Product code	L mm	A mm	B mm	C mm	E mm	⚡	Weight g
2430V-160	160	16	49	8	2.5	1.6	200
2430V-200	200	17	72	9	2.5	1.6	205

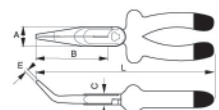


1000 V

**Snipe nose pliers bent tip 60°**

- 1 component insulated handles up to 1000 volts
  - Tips angled at 60°
  - Cutting capacity: 1.6 mm hard steel wire
  - Slim, semi-circular shaped and serrated jaws
  - Accurately machined jaws providing a sure grip on the workpiece
  - Sharp edges for cutting softer material such as copper wire and plastic insulated wire
  - Finish: Black oxidised, anti-corrosion treated
- ISO: 5745 DIN: 5745

Product code	L mm	A mm	B mm	C mm	E mm	⚡	Weight g
2427 S-200	200	17	70	9	2	1.6	200

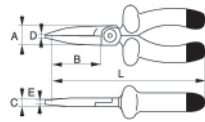


1000 V

**Snipe nose pliers bent tip 60° dipped insulation**

- 3 layers of insulation coating with different colours plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
  - Tips angled at 60°
  - Cutting capacity from 1.0 mm soft wire to 1.6 mm hard wire
  - Chrome plated finish
- ISO: 5745 DIN: 5745

Product code	L mm	A mm	B mm	C mm	E mm	⚡	Weight g
2427V-200	200	17	70	9	2	1.6	205

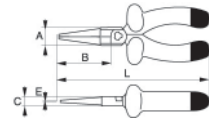


1000 V

**Flat nose pliers dipped insulation**

- 3 layers of insulation coating with different colours plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
  - Good grip and improved accessibility in confined spaces
  - Chrome plated finish
- ISO: 5745 DIN: 5745

Product code	L mm	A mm	B mm	C mm	D mm	E mm	Weight g
2421V-160	160	16.5	49	8.5	3	5	205

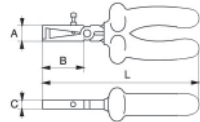


1000 V

**Round nose pliers dipped insulation**

- 3 layers of insulation coating with different colours plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
  - Suited for wire-bending work
  - Chrome plated finish
- ISO: 5745 DIN: 5745

Product code	L mm	A mm	B mm	C mm	E mm	Weight g
2521V-160	160	16	42	7	1.5	205

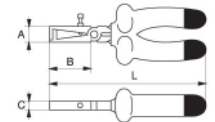


1000 V

**Wire stripping pliers**

- 1 component insulated handles up to 1000 volts
- Maximum cable diameter 5 mm; Maximum cable section 10 mm<sup>2</sup>
- Finish: Black oxidised, anti-corrosion treated

Product code	L mm	A mm	B mm	C mm	Cable Ø	Area	Weight g
2223 S-150	167	15	46	8	0.5-5	0.05-10	170

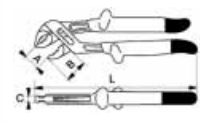


1000 V

**Wire stripping pliers dipped insulation**

- 3 layers of insulation coating with different colours plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
- Maximum cable diameter 5 mm; Maximum cable section 10 mm<sup>2</sup>
- Chrome plated finish

Product code	L mm	A mm	B mm	C mm	Cable Ø	Area	Weight g
2223V-160	160	15	46	8	0.5-5	0.05-10	205

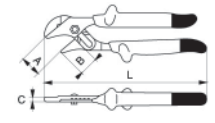


1000 V

**Slip joint pliers "box joint" dipped insulation**

- 3 layers of insulation coating with different colours plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
  - Both flat and pipe grip jaws; Self locking jaws grip tightly at 3 points
  - Finish: Black oxidised, anti-corrosion treated
- ISO 8976

Product code	L mm	A mm	B mm	C mm	Weight g
2619V-250	250	35	33	8	450
2619V-300	300	43	44	8	770

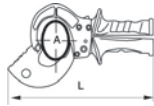


1000 V

**Slip joint pliers "groove joint" dipped insulation**

- 3 layers of insulation coating with different colours plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
  - Both flat and pipe grip jaws; Self locking jaws grip tightly at 3 points
  - Chrome plated finish
- ISO 8976

Product code	L mm	A mm	B mm	C mm	Weight g
6224V	250	32	35	11	450



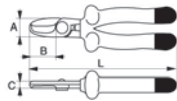
1000 V

### Ratchet action cable cutter dipped insulation

- 3 layers of insulation coating with different colours plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
- One hand operation; effortless cutting. Easy release movable jaw
- For cutting copper and aluminium cables
- Not suitable for hard copper, steel cables, or internal steel wire cables
- Clean and smooth cut without distortion

Cutting capacity table		2806-35v	2806-52v
	Multiple copper wire cables	Max. area 240 mm <sup>2</sup>	Max. area 400 mm <sup>2</sup>
	Sectioned copper wire cables	Max. area 240 mm <sup>2</sup>	Max. area 400 mm <sup>2</sup>
	Copper cables with flexible material	Max. outside Ø35	Max. outside Ø52
	Multiple Aluminium wire cables	Max. outside Ø35	Max. outside Ø52
	Sectioned Aluminium wire	Max. outside Ø35	Max. outside Ø52

Product code	L mm	A mm	Weight g
2806-35V	255	35	800
2806-52V	340	52	900



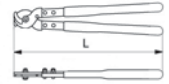
1000 V

### Cable cutter for copper & aluminium dipped insulation

- 3 layers of insulation coating with different colours plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
- Not suitable for hard copper or steel cables, or internal steel wire cables
- Finish: Black oxidised, anti-corrosion treated

Size mm	Maximum opening mm	Ext. Ø Al - Cu	
210	25	18	18

Product code	L mm	A mm	B mm	C mm	Weight g



1000 V

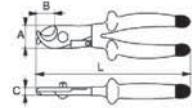
### Cable cutter for copper & aluminium

- 1 component insulated handles up to 1000 volts
- Cable cutter to cut Aluminium/Copper cables with or without messenger wire

Recommended maximum capacity: Al-Cu diameter of 30 mm with a messenger wire (1800 N/mm<sup>2</sup>) of 6 mm

**WARNING: FOR A MAXIMUM SERVICE LIFE, THE SHARPENED PARTS OF THE BLADES MUST NEVER BE USED ON FERROUS MATERIAL. FOR THIS PURPOSE, USE THE NOTCHES ON THE BLADES**

Product code	L mm	÷ mm	Weight g
2520 S	552	30	2200



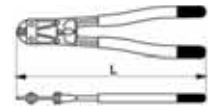
1000 V GS\*

### Cable cutter dipped insulation

- 3 layers of insulation coating with different colours plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
- Not suitable for hard copper or steel cables, or internal steel wire cables

Size mm	Maximum opening mm	Ext. Ø Al - Cu	
170	15	14	14
230	22	20	20

Product code	L mm	A mm	B mm	C mm	Weight g
2250V-170	170	29	16	10	320
2250V-230	230	38	21	12	560



1000 V

### Bolt cutter dipped insulation

- 3 layers of insulation coating with different colours plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
- Forged head; Induction hardened cutting edges
- Long arms with lever-action head, which allows to cut hard wires with very low efforts

Product code	L mm	Wire types Ø mm			Weight g
		80kg/mm <sup>2</sup>	120kg/mm <sup>2</sup>	160kg/mm <sup>2</sup>	
2820VBC	630	9	8	7	3100



⚡ 1000 V



**1000 V SCREWDRIVERS**

The design of ergonomic tools within Bahco is based on a scientifically recognised 11-point programme. This programme covers facts and experiences gathered from users, ergonomists, industrial designers, research and development departments as well as extensive testing and trials together with end-users of our tools. This method is unique within the tool industry and to ensure that you can always see which tools have been developed according to this programme, each one is marked with the Ergo™ symbol.



Colour coded handles showing tip type for quick application identification.

Slotted tips

Phillips® tips

Pozidriv® tips

Hexagonal Socket tips

Torx® tips



### Insulated screwdrivers Ergo™

IEC 60900, EN 60900, DIN-EN 60900, VDE 0682 part 201.

- Ergonomically developed 3-component handle of polypropylene and thermoplastic elastomere.
- Colour coded handles showing tip type for quick application identification.
- Black oxide tips, entirely hardened made of Molybdenum-Vanadium steel



### Insulated screwdrivers Ergo™ slotted

Insulated screwdriver for slotted head screws, for work on live equipment up to 1000 volts

DIN 7437. Tip DIN 5264-A, ISO 2380-1-A

Product code	mm	mm	mm	mm	mm	Weight g
BE-8010S	0.4	2.5	75	16x102	177	18
BE-8220S	0.5	3.0	100	16x102	202	25
BE-8230S	0.6	3.5	100	20x122	222	30
BE-8040S	0.8	4.0	100	20x122	222	40
BE-8050S	1.0	5.5	125	27x122	247	70
BE-8255S	1.2	6.5	150	36x122	272	124
BE-8065S	1.2	8.0	175	36x122	297	195



### Insulated screwdrivers Ergo™ Phillips®

Insulated screwdriver for Phillips® PH-head screws, for work on live equipment up to 1000 volts

DIN 7438. Tip DIN ISO 8764-1, ISO 8764-1

BE-8640S with two handed grip

Product code		mm	mm	mm	Weight g
BE-8600S	0	75	16x102	162	20
BE-8610S	1	80	20x122	202	60
BE-8620S	2	100	27x122	222	100
BE-8630S	3	150	36x122	272	175
BE-8640S	4	200	36x161	361	240



### Insulated screwdrivers Ergo™ Pozidriv®

Screwdriver for Pozidriv® PZ head screws, for work on live equipment up to 1000 volts

DIN 7438. Tip DIN ISO 8764-1, ISO 8764-1

BE-8840S with two handed grip

Product code		mm	mm	mm	Weight g
BE-8800S	0	60	16x102	162	19
BE-8810S	1	80	20x122	202	60
BE-8820S	2	100	27x122	222	100
BE-8830S	3	150	36x122	272	175
BE-8840S	4	200	36x161	361	222



### Insulated screwdrivers Ergo™ hexagon socket-head screws

Insulated screwdriver for hexagon socket-head screws, for work on live equipment up to 1000 volts

DIN 7439. Tip DIN ISO 2936

Product code		mm	mm	mm	Weight g
BE-8725S	2.5	75	16x102	177	22
BE-8703S	3	75	20x122	197	25
BE-8704S	4	75	20x122	197	41
BE-8705S	5	75	27x122	197	65
BE-8706S	6	100	27x122	222	97
BE-8708S	8	100	36x122	222	178

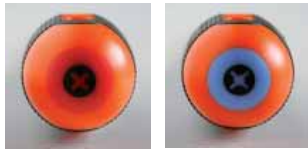


ergo® ⚡ 1000 V

### Insulated screwdrivers Ergo™ Torx® head screws

Insulated screwdriver for Torx® head screws, for work on live equipment up to 1000 volts

Product code	★	D	mm	mm	mm	Weight g
BE-8910S	T10	2.74	65	20x122	187	34
BE-8915S	T15	3.27	70	20x122	192	35
BE-8920S	T20	3.86	80	27x122	202	55
BE-8925S	T25	4.43	80	27x122	202	61
BE-8930S	T30	5.52	100	36x122	222	96



ergo® ⚡ 1000 V

### Insulated screwdrivers Ergo™ combi tips

- IEC 60900, EN 60900, DIN-EN 60900, VDE 0682 part 201
- Combi (mixed) tips: slotted and PH / slotted and PZ
- For use on electric racks and terminals
- More powerful tightening and minimizes come-out effect
- New insulated blade for live use in live systems up to 1000 V AC and 1500 V DC (low voltage)
- Handle: 3-injection handle with tip colour coding



ergo® ⚡ 1000 V

### Insulated screwdrivers Ergo™ combi tips Phillips® / slotted

Product code	⊖ ⊕	mm	mm	mm	Weight g
BE-8510S	5 / PH1	80	20x122	202	60
BE-8520S	6 / PH2	100	27x122	222	100



ergo® ⚡ 1000 V

### Insulated screwdrivers Ergo™ combi tips Pozidriv® / slotted

Product code	⊖ ⊕	mm	mm	mm	Weight g
BE-8710S	5 / PZ1	80	20x122	202	60
BE-8720S	6 / PZ2	100	27x122	222	100



ergo® ⚡ 1000 V

### Insulated screwdrivers sets Ergo™

Sets of insulated screwdrivers for work on live equipment up to 1000 volts  
Standards slotted: DIN 7437. Tip DIN 5264-A, ISO 2380-1-A  
Standards Phillips® / Pozidriv®: DIN 7438. Tip DIN ISO 8764-1, ISO 8764-1

Product code	⊖	⊕ PH	⊕ PZ	Weight g
BE-9881S	0.5x3x100	PH1x80		450
	0.8x4x100	PH2x100		
	1x5.5x125			
BE-9882S	0.5x3x100		PZ1x80	450
	0.8x4x100		PZ2x100	
	1x5.5x125			
BE-9888S	0.4x2.5x75		PZ0x60	530
	0.5x3.0x100		PZ2x100	
	0.8x4.0x100		PZ3x150	
	1.0x5.5x125			



ergo® ⚡ 1000 V

### Insulated screwdrivers set Ergo™ combi tips

- Combi (mixed) tips: slotted and PH / slotted and PZ
- For use in electric racks and terminals
- More powerful tightening and minimizes come-out effect
- New Insulated blade for live use in live systems up to 1000 V AC and 1500 V DC (low voltage)
- Handle: 3-injection handle with tip colour coding
- Includes a voltage tester 806-1-1

Product code	⊖ ⊕	⊖ ⊕	Includes	Weight g
BE-9885S	5 / PH1	5 / PZ1		370
	6 / PH2	6 / PZ2		
Voltage tester 806-1-1				










1000 V 

### Insulated screwdrivers 800 Series


- 2-Component handle made of polypropylene and thermoplastic elastomere
- Blade of Molybdenum-Vanadium steel, entirely hardened IEC 60900, DIN-EN 60900, EN 60900, VDE 0682 part 201

### Insulated screwdrivers 800 Series slotted

Insulated screwdriver for slotted head screws for work on live equipment up to 1000 volts  
DIN 7437. Tip DIN 5264-A, ISO 2380-1-A





Product code	 mm	 mm	 mm	 mm	 mm	Weight g
813VDE-3-100	0.5	3.0	100	27x90	190	40
813VDE-3,5-100	0.6	3.5	100	27x90	190	40
813VDE-4-100	0.8	4.0	100	27x90	190	40
813VDE-5,5-125	1.0	5.5	125	30x100	225	60
813VDE-6,5-150	1.2	6.5	150	33x110	260	90
813VDE-8-175	1.2	8.0	175	36x120	295	110
813VDE-10-200	1.6	10.0	200	36x120	320	175
813VDE-12-200	2.0	12.0	200	36x120	320	205



1000 V 

### Insulated screwdrivers 800 Series Pozidriv®

Insulated screwdriver for Pozidriv® PZ head screws for work on live equipment up to 1000 volts  
Tip DIN ISO 8764-1, ISO 8764-1



Product code	 mm	 mm	 mm	 mm	Weight g
816VDE-0-100	0	100	27x90	190	40
816VDE-1-150	1	150	33x110	260	75
816VDE-2-175	2	175	33x110	285	105
816VDE-3-200	3	200	36x120	320	175



1000 V 

### Insulated screwdrivers 800 Series Phillips®

Insulated screwdriver for Phillips® PH-head screws, for work on live equipment up to 1000 volts  
Tip DIN ISO 8764-1, ISO 8764-1



Product code	 mm	 mm	 mm	Weight g	
815VDE-0-100	0	100	27x90	190	40
815VDE-1-150	1	150	33x110	260	75
815VDE-2-175	2	175	33x110	285	110
815VDE-3-200	3	200	36x120	320	175
815VDE-4-200	4	200	36x120	320	200



1000 V

### Insulated nut drivers 800 Series

Insulated nutdriver for work on live equipment up to 1000 volts  
Hexagon opening tolerance DIN ISO 691, ISO 691








Product code	 mm	 mm	 mm	Weight g	
817V-6	6	120	30x100	220	85
817V-7	7	120	33x110	230	120
817V-8	8	120	33x110	230	120
817V-10	10	120	36x120	240	145
817V-13	13	120	36x120	240	170



1000 V 

### Insulated screwdrivers sets 800 Series

Insulated screwdrivers for work on live equipment up to 1000 volts  
IEC 60900, DIN-EN 60900, EN 60900, VDE 0682 part 201

Product code	 mm	 PH	 PZ	Weight g
820VDE-5	0.6x3.5x100		PZ1x150	360
	 		PZ2x175	
			1.2x6.5x150	
822VDE-5	0.5x3.0x100	PH1x150		360
	 	PH2x175		
			1.0x5.5x125	



**1000 V**

**Insulated screwdrivers  
600 Series**

- Insulated blade for live use in live systems up to 1000 V AC and 1500 V DC (low voltage)
- Professional quality at a highly competitive price
- Voluminous 2 component handle giving an effective transmission of the allied tightening torque
- Molybdenum-Vanadium steel

**IEC Insulated screwdrivers  
600 Series slotted 623**

Insulated screwdriver for slotted head screws for work on live equipment up to 1000 volts  
DIN 7437. Tip DIN 5264-A, ISO 2380-1-A


Product code	 mm	 mm	 mm	 mm	 mm	Weight g
623-3-100	0.5	3.0	100	80	180	32
623-3.5-100	0.6	3.5	100	80	180	32
623-4-100	0.8	4.0	100	80	180	33
623-5.5-125	1.0	5.5	125	97	223	61
623-6.5-150	1.2	6.5	150	100	250	94



**1000 V**

**IEC Insulated screwdrivers  
600 Series Phillips® 625**

Insulated screwdriver for Phillips® PH-head screws, for work on live equipment up to 1000 volts  
Tip DIN ISO 8764-1, ISO 8764-1



Product code	 mm	 mm	 mm	Weight g	
625-0-100	0	100	80	180	32
625-1-150	1	150	97	247	68
625-2-175	2	175	110	285	116



**1000 V**

**IEC insulated screwdriver  
600 Series 6 pcs set**

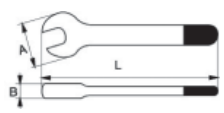
- Insulated screwdrivers for slotted and Phillips® head screws, for work on live equipment up to 1000 volts
- Blister pack

Product code	 mm	 PH	Weight g
620-6	0.5x3.0x100	PH1x150	472
	0.8x4.0x100	PH2x175	
	1.0x5.5x125		
	1.2x6.5x150		

1000 V



*1000 V SPANNERS, SOCKETS & WRENCHES*

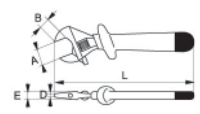


⚡ 1000 V \*

### Open-end spanner dipped insulation

- 2 layers of insulation coating with different colours plus a 3rd one in black to further protect handle edges on spanners from 6 mm to 16 mm. Red: safety. Yellow: danger
  - 3 layers of insulation coating with different colours plus a 4th one in black to further protect handle edges on spanners from 17 mm to 32 mm. Red: safety Orange: danger. Yellow: high danger
  - Material: Chrome-Vanadium steel
- Opening tolerance according to ISO 691

Product code	i mm	L mm	A mm	B mm	Layers coating	Weight g
6MV-6	6	92	15.0	3.7	2	25
6MV-7	7	92	17.5	3.7	2	30
6MV-8	8	92	18.0	4.0	2	40
6MV-9	9	98	21.0	4.0	2	45
6MV-10	10	108	24.0	5.0	2	55
6MV-11	11	116	26.0	5.0	2	60
6MV-12	12	125	28.0	5.5	2	70
6MV-13	13	135	31.0	5.5	2	75
6MV-14	14	140	31.0	6.0	2	85
6MV-15	15	150	33.0	6.0	2	90
6MV-16	16	157	34.0	6.5	2	105
6MV-17	17	162	37.0	6.5	3	120
6MV-18	18	170	39.0	7.0	3	145
6MV-19	19	175	42.0	7.0	3	150
6MV-20	20	180	43.0	7.5	3	170
6MV-21	21	184	46.0	7.5	3	190
6MV-22	22	193	47.0	7.5	3	190
6MV-23	23	203	49.0	8.0	3	220
6MV-24	24	210	51.0	8.5	3	275
6MV-27	27	225	59.0	9.5	3	370
6MV-30	30	240	63.0	10.0	3	470
6MV-32	32	250	68.0	10.0	3	530

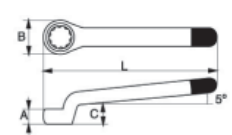


⚡ 1000 V \*

### Adjustable wrench dipped insulation

- 3 layers of insulation coating with different colours plus a 4th one in black to further protect handle edges. Red: Safety. Orange: Danger. Yellow: High Danger
  - Material: Chrome-Vanadium steel
  - The moveable jaw slides easily by smoothly operating the thumb screw
- Complies with ISO and ANSI torque requirements, Head dimensions comply with ISO 6787 standards

Product code	L mm	A mm	B mm	D mm	E mm	Weight g
8070V	165	20	21.0	5.5	12.0	175
8071V	210	24	26.0	7.5	13.5	370
8072V	260	29	29.5	9.0	16.0	540
8073V	310	36	36.0	11.0	19.0	820
8074V	390	43	45.0	14.0	21.0	1400

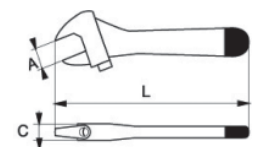


⚡ 1000 V \*

### Offset ring spanner dipped insulation

- 3 layers of insulation coating with different colours plus a 4th one in black to further protect handle edges. Red: Safety. Orange: Danger. Yellow: High Danger
  - Material: Chrome-Vanadium steel
  - 12 point Dynamic-Drive Profile
- Opening tolerance according to ISO 691

Product code	mm	L mm	A mm	B mm	C mm	Weight g
2MV-6	6	140	5.0	10.5	18	50
2MV-7	7	145	6.0	12.0	18	55
2MV-8	8	150	6.0	13.0	19	70
2MV-9	9	155	6.5	14.5	19	75
2MV-10	10	160	7.0	16.0	21	80
2MV-11	11	170	7.5	18.0	21	90
2MV-12	12	180	8.0	18.5	23	100
2MV-13	13	180	8.5	20.5	23	105
2MV-14	14	190	8.5	22.0	24	130
2MV-15	15	195	9.5	24.0	24	140
2MV-16	16	200	9.5	24.5	26	150
2MV-17	17	205	10.0	26.5	26	160
2MV-18	18	215	10.5	27.0	28	210
2MV-19	19	225	11.0	29.0	28	230
2MV-21	21	235	12.0	32.0	30	280
2MV-22	22	245	12.0	33.0	30	300
2MV-23	23	255	13.0	35.0	30	320
2MV-24	24	265	13.0	35.0	32	350

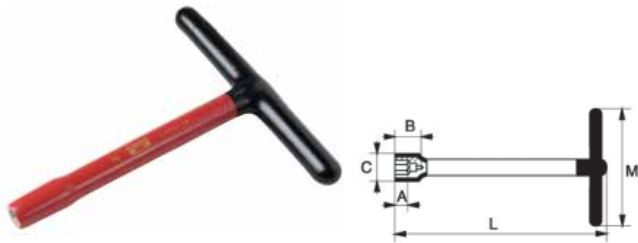


⚡ 1000 V

### Adjustable wrench fully dipped insulation

- 3 layers of insulation coating on the complete wrench with different colours plus a 4th one in black to further protect handle edges. Red: Safety. Orange: Danger. Yellow: High Danger
  - Chrome-Vanadium steel
  - The moveable jaw slides easily by smoothly operating the side screw
- Exceed ISO and ANSI torque requirements

Product code	L mm	A mm	C mm	Weight g
8071VLT	205	29	22	360
8072VLT	255	34	25	690
8073VLT	305	39	29	1060



1000 V

**T-handle socket wrench dipped insulation**

- 3 layers of insulation coating with different colours plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
  - Material: Chrome-Vanadium steel
  - 6 point Dynamic-Drive Profile
- Opening tolerance according to ISO 691

Product code	mm	L mm	A mm	B mm	C mm	M mm	Weight g
28MV-8	8	200	8	29	16.5	130	101
28MV-9	9	200	8	30	18.0	130	143
28MV-10	10	200	9	33	19.5	130	150
28MV-11	11	200	10	36	20.5	130	159
28MV-12	12	200	11	42	22.0	140	216
28MV-13	13	200	12	42	23.0	140	260
28MV-14	14	200	12	45	24.5	140	272
28MV-15	15	200	13	47	25.5	140	312
28MV-16	16	200	13	52	27.0	140	322
28MV-17	17	200	14	52	28.0	140	331
28MV-18	18	200	15	55	29.5	140	421
28MV-19	19	200	17	58	30.5	140	435
28MV-20	20	200	18	61	32.5	140	515
28MV-21	21	200	18	62	33.0	140	531
28MV-22	22	200	19	65	34.5	140	579



1000 V GS\*

**1/2" ratchet dipped insulation**

- 3 layers of insulation coating with different colours plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
  - Material: Chrome-Vanadium steel
  - One of the buttons is a lever to change the ratcheting direction; the other is a push button to lock or release the socket to the male square drive
  - 28 teeth ratchet to operate at a 13° angle
- Complies with the ISO standards. Static and endurance tests with 50000 cycles

Product code	L mm	A mm	B mm	C mm	Weight g
8150-1/2V	270	77	50	12.5	735



1000 V GS\*

**1/2" socket dipped insulation**

- 2 layers of insulation coating with different colours. Red: safety. Yellow: danger
  - Material: Chrome-Vanadium steel
  - 12 point Dynamic-Drive Profile
- Both square and 12 point openings according to the tolerance and torque requirements given in ISO standards

Product code	mm	A mm	B mm	C mm	L mm	Weight g
7800DMV-8	8	17.0	22	8	50	80
7800DMV-10	10	19.5	22	8	50	82
7800DMV-11	11	20.5	22	8	50	84
7800DMV-12	12	22.0	22	8	50	86
7800DMV-13	13	23.2	22	8	50	88
7800DMV-14	14	24.5	22	10	50	90
7800DMV-15	15	25.5	22	10	50	92
7800DMV-16	16	27.0	22	10	50	95
7800DMV-17	17	28.2	22	10	50	98
7800DMV-18	18	29.5	22	12	50	105
7800DMV-19	19	30.5	22	12	50	115
7800DMV-20	20	32.0	22	12	50	125
7800DMV-21	21	33.2	22	12	50	135
7800DMV-22	22	34.5	22	14	52	140
7800DMV-24	24	37.0	22	16	52	155
7800DMV-27	27	40.5	22	18	54	195
7800DMV-30	30	44.5	22	20	56	210
7800DMV-32	32	47.0	22	22	58	225



1000 V GS\*

**1/2" T-handle socket dipped insulation**

- 2 layers of insulation coating with different colours plus a 3rd one in black to further protect handle edges. Red: safety. Yellow: danger
  - Material: Chrome-Vanadium steel
  - The male square drive has a slotted screw to move the ball outwards or inwards and block or unblock the socket to it
- The male square tolerances and torque requirements comply with the respective ISO standard

Product code	L mm	A mm	Weight g
8154-1/2V	200	190	520





1000 V

### 1/2" extension dipped insulation

- 2 layers of insulation coating with different colours. Red: safety. Yellow: danger
  - Material: Chrome-Vanadium steel
  - The male square drive has a slotted screw to move the ball outwards or inwards and block or unblock the socket to it
- The male square tolerances and torque requirements comply with the respective ISO standard

Product code	L mm	Weight g
8160-1/2V	125	220
8162-1/2V	250	410



1000 V

### Cross wrench dipped insulation

- 2 layers of insulation coating with different colours Red: safety. Yellow: danger
  - Material: Chrome-Vanadium steel
  - 6 point openings with standard profile
- Opening tolerance according to ISO 691

Product code	L mm	mm	Weight g
2820V13	210	7x9x11x13	420
2820V17	210	8x10x13x17	420



1000 V

### Hexagon key dipped insulation

- 3 layers of insulation coating with different colours plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
  - Material: Chrome-Vanadium steel
- Hex dimensions and torque requirements comply with those given in ISO standards

Product code	mm	A mm	L1 mm	L2 mm	Weight g
1999MV-3	3	8	118	78	25
1999MV-4	4	8	118	78	35
1999MV-5	5	8	117	78	50
1999MV-6	6	10	117	87	75
1999MV-7	7	10	116	91	100
1999MV-8	8	10	116	100	145
1999MV-9	9	12	115	100	170
1999MV-10	10	12	115	110	210
1999MV-12	12	12	114	124	300

### Safety instructions for working with live system

- Always transport your insulated tools carefully to avoid damage.
- Examine each tool for damage before every use. If the insulation is damaged, the tools should not be used.
- Keep all tools in good condition with regular maintenance. The insulated tools should be kept clean and dry.
- Protective glasses should be worn when working with cutting pliers or working overhead.
- Safety requires that work space is kept clean, dry and tidy to prevent accidents when working with live voltage.
- Use the right tool correctly: Every tool was designed to do a certain job. Always use it for its intended purpose and use the right tool size.
- Always wear the proper personal protective equipment required for the job. Protect your eyes, hands, ears and other body parts.
- Make sure that loose and cut-off parts of cables do not fall onto live components.

1000 V



1000 V OTHER TOOLS & PROTECTIVE EQUIPMENT



1000 V

### Hacksaw frame dipped insulation

- Insulated hacksaw with 3906-300-18 Sandflex® bi-metal blade
- 3 layers of insulation coating with different colours plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
- Supplied with the reliable and shatterproof Sandflex® bi-metal blade 18TPI with excellent cutting performance and wear resistance

Product code	A mm	B mm	L mm	Weight g
2820HSV1	300	70	450	1100

### The Sandflex® blade - The best just got better



The virtually unbreakable and shatterproof bi-metal blade with precision ground teeth for all kinds of metal sawing. With a blade back of strong, flexible spring steel and a tooth line in high-alloyed super high speed steel, this blade is guaranteed to stay sharp for a long time. The Sandflex® blade combines, extreme cutting performance and wear resistance, with a high degree of flexibility and is vastly superior to all hard high speed blades or conventional, flexible blades.

Stronger, thicker, steadier and cuts faster than any other hacksaw blades!



1000 V

### Knife with guide

- Insulated 1000 V knife with guide
- Single layer, injection moulded, with protection cap, printed with 1000 V
- Special blade with cable guard shoe for cable dismantling
- Stainless steel blade; handle shock resistant plastic

Product code	A mm	B mm	L mm	Weight g
2820VHELP	38	20	180	70



1000 V

### Electrician scissors 130 mm

- Single layer coating (only red coating)
- Small groove in the blade for stripping cables
- 50 mm cutting length
- Finger guard

Product code	L mm	A mm	Weight g
SC127V	130	50	100

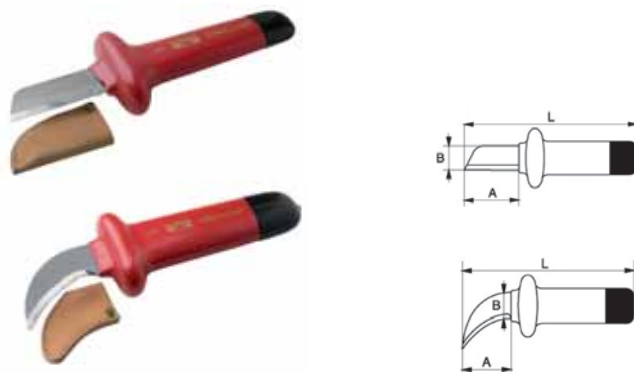


1000 V

### Hacksaw frame with screen handguard dipped insulation

- Insulated hacksaw with 3906-300-18 Sandflex® bi-metal blade
- 3 layers of insulation coating with different colours plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
- Handguard for ultimate protection
- Supplied with the reliable and shatterproof Sandflex® bi-metal blade 18TPI with excellent cutting performance and wear resistance

Product code	A mm	B mm	L mm	Weight g
2820HSV2	300	70	450	1360



1000 V GS\*

### Electrician knife dipped insulation

- 3 layers of insulation coating with different colours plus a 4th one in black to further protect handle edges. Red: safety. Orange: danger. Yellow: high danger
- Available in straight and curved blade versions

Product code	A mm	B mm	L mm	Weight g
2820VP	50	22	180	130
2820VPC	50	23	180	170



1000 V

### Electrician scissors 150 mm

- 2 layer coating: Red: safety. Yellow: danger
- Finger guard
- The longer handle allows to apply less force to cut a certain wire
- 35 mm cutting length

Product code	L mm	A mm	Weight g
SC150NGV	150	38	170



⚡ 1000 V

### Tweezers dipped insulation

Product code	L mm	Weight g
2820VTEE	150	50

### Protective equipment



### Insulated gloves

- 2820VG05 for use up to 500 V AC and 750 V DC
- 2820VG10 for use up to 1000 V AC and 1500 V DC
- Made of special natural latex for better fit
- Offers protection against electric arcs according to CENELEC ENV 50354 class 2 and IEC 61482-1
- Cold resistance -40° C; Hot resistance 90° C

Product code	Power Supply Volt	Size	Material thickness	Weight g
2820VG05	500 V	10	0.5 mm	235
2820VG10	1000 V	10	1.0 mm	240

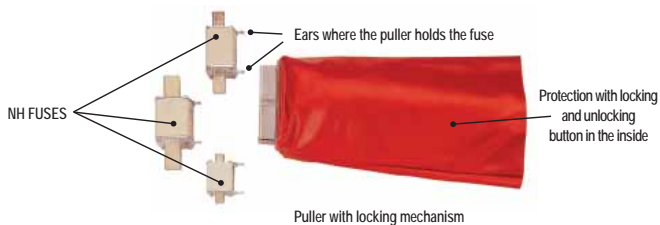


### Cotton gloves

- Light, flexible and comfortable under glove
- The high-quality cotton liner and the good fit offer a very good wearing comfort
- Cotton Gloves to wear under any type of glove, for the absorption of sweat and for increased comfort

*THIS ITEM IS NOT INSULATED AND HAS TO BE USED WITH INSULATED GLOVES*

Product code	Size	Weight g
2820VGCOT	One size	30

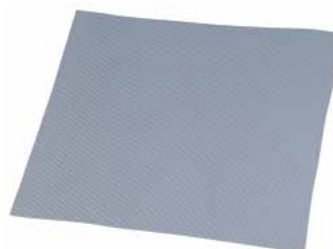


⚡ 1000 V

### Insulated 1000 V fuse puller

- A kind of glove to hold NH fuses. Sizes 00-3
- It is operated from the inside of the red protection by a locking and unlocking system
- With antislid protection and unlocking button

Product code	Weight g
2820VFP	458



⚡ 1000 V ⚡ GS

### Insulated 1000 V mat

- Valid for use up to 5000 V AC
  - To stand on it and avoid earth connection when operating live systems
- Complies with EN10204-3.1

Product code	L mm	W mm	Weight g
2820VM	1000	1000	5500





**1000 V TOOL CASES AND SETS**



⚡ 1000 V 

### Insulated tools set 11 pcs

- For work on electrical installations
- Shock resistant plastic case
- Contains standard Bahco Insulated tools
- L mm: 320x300x100 / Weight g: 2800








Product code	Contents	Description	Lenght / size
7811DMV	7800DMV 	Insulated socket 1/2"	10, 11, 13, 17, 19, 20, 22
	8150-1/2V 	Insulated ratchet 1/2", 270 mm	270 mm
	8154-1/2V 	Insulated T-handle 1/2"	200 mm
	8160-1/2V 	Insulated extension 1/2"	125 mm
	813VDE-5,5-125 	Screwdriver VDE slotted	1.0x5.5x125



⚡ 1000 V

### Insulated tools set 10 pcs

- For work on electrical installations
- A compact resistant case with a basic assortment of 1000 V tools
- L mm: 330x240x60 / Weight g: 2000










Product code	Contents	Description	Lenght / size
3045V-1	2171V-160 	Side cutting pliers dipped insulation	160 mm
	2678V-180 	Combination pliers dipped insulation	180 mm
	2223V-150 	Wire stripping pliers dipped insulation	160 mm
	BE-8220S	Screwdriver Ergo™ slotted	0.5x3.0x100
	BE-8040S 		0.8x4.0x100
	BE-8050S		1.0x5.5x125
	BE-8610S 	Screwdriver Ergo™ Phillips®	PH1X80
	BE-8620S		PH2X100
	2820VP 	Insulated knife straight blade	180 mm
	SC127V 	Electrician scissors	130 mm



⚡ 1000 V

**Insulated tools set 19 pcs**

- For work on electrical installations
- A resistant leather briefcase with metallic reinforcements
- Contains standard Bahco Insulated tools
- L mm: 430x260x160 / Weight g: 5500

Product code	Contents	Description	Lenght / size
3045V-2	2171V-160	 Side cutting pliers dipped insulation	160 mm
	2678V-180	 Combination pliers dipped insulation	180 mm
	2430V-160	 Snipe nose pliers dipped insulation	160 mm
	2223V-150	 Wire stripping pliers dipped insulation	160 mm
	BE-8220S	 Screwdriver Ergo™ slotted	0.5x3.0x100
	BE-8040S		0.8x4.0x100
	BE-8050S		1.0x5.5x125
	BE-8255S		1.2x6.5x150
	BE-8610S	 Screwdriver Ergo™ Phillips®	PH1x80
	BE-8620S		PH2x100
	6MV	 Safety open end spanner dipped insulation	10, 11, 12, 13, 14, 17, 19
	2820VP	 Insulated knife straight blade	180 mm
	SC150NGV	 Electrician scissors	150 mm

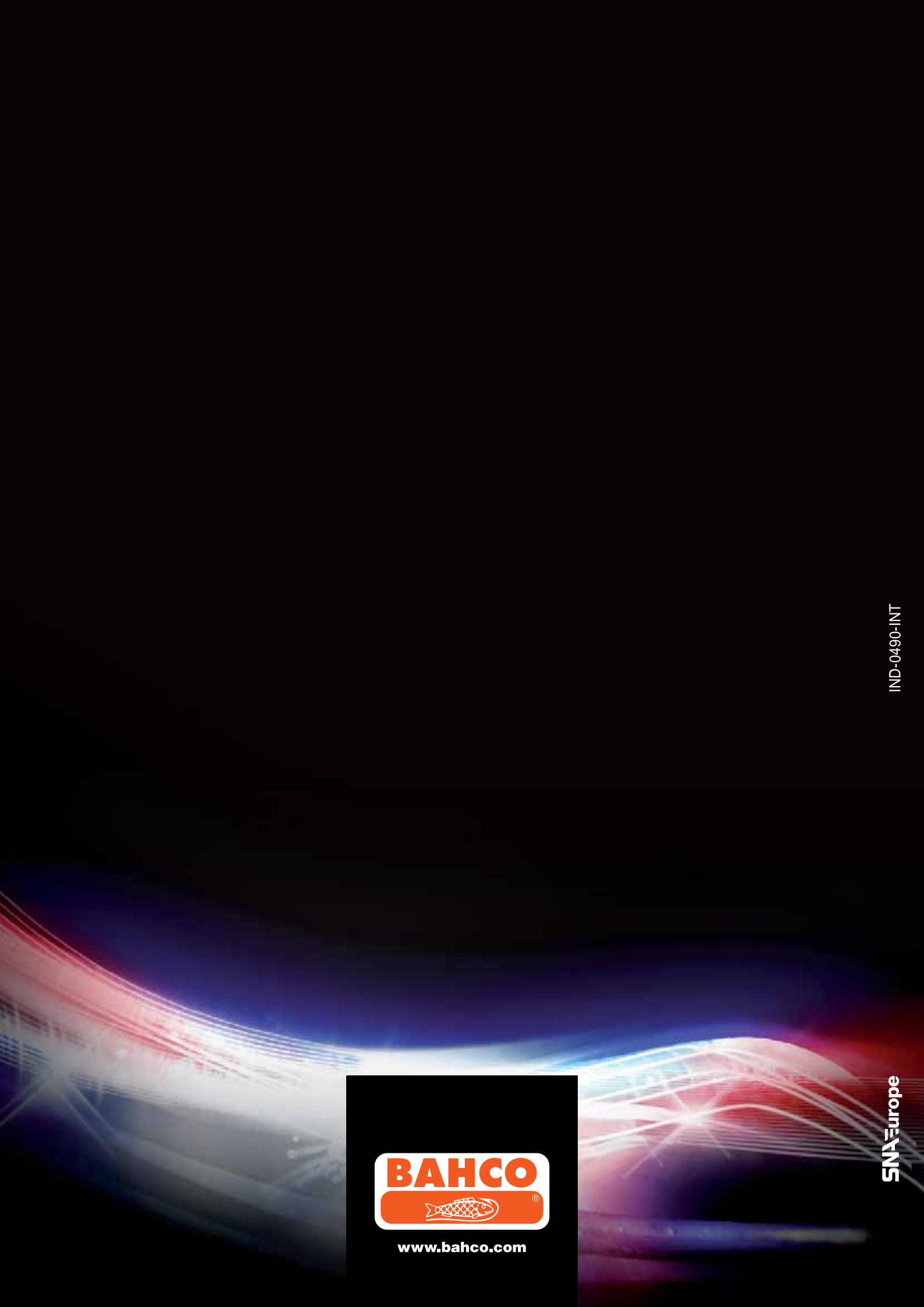


⚡ 1000 V 

**Open end spanner set**

- For work on electrical installations
- 8 pieces set in plastic rollup
- Weight g: 880

Product code	Contents	Description	Lenght / size
6MV/8T	6MV	 Safety open end spanner	10, 11, 12, 13, 14, 17, 18, 19



IND-0490-INT



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