



# Insulated Tools

## Teng Tools Insulated Tools

### 1,000 volt insulated tools

So called 1,000 volt tools should always be used when carrying out electrical work. A tested and fully approved 1,000 volt tool can protect the user against currents up to 1,000 volts. Full approval means that the tool must be insulated and tested in accordance with IEC 60 900 and DIN 60 900 and not just VDE 0680.



10kV testing  
put sample in water  
24hr then by 10kV  
3-minute



5kV testing  
put sample 2-hour in 70C  
oven and by a point of  
load of 20N ,then by 5kV  
3-Minute

- IEC 60 900 is the standard that applies worldwide for production line testing tools that are intended for use in electrical work.
- DIN 60 900 is a European standard that was created in 1995 that specifies that each individual tool must be tested to check for insulation for 1,000 volts.
- VDE is an independent authority that tests and checks tools with regard to design, production and packaging. It is not the same as IEC 60 900 or DIN 60 900.

### VDE Prüf- und Zertifizierungsanstalt



All Teng Tools 1,000 volt tools fully conform to all three standards. They easily meet or exceed all the specifications laid down by the appropriate authorities. Each tool is also individually tested before being marked with a special standard mark and a mark showing the year of manufacture.

All Teng Tools 1,000 volt pliers and screwdrivers are tested for –

- insulation properties, i.e. resistibility up to 1,000 volts in dry or damp conditions
- resistance to cold, i.e. how well the tool withstands the cold
- durability, i.e. that that the insulated grips do not become loose
- resistance to flame, i.e. how well the tool withstands fire
- insulation properties under pressure, i.e. how well the tool retains it's insulation properties when subjected to pressure

### Worth thinking about.

The following recommendations should be observed to ensure the greatest degree of personal safety when working with high voltages –

- Always clean the tools after each specific working procedure. It is important to keep the tools clean and dry both in use and when storing the tools.
- Check the tools at regular, frequent intervals. If there is any sign of damage or wear, particularly to the insulation, then the tools should be replaced.
- Always carry the tools in a way that the tools cannot be damaged, such as in Teng Tools TC trays or the MRV18 carrying case.
- Use the correct tool for the job. This will avoid tools slipping and coming in to contact with uninsulated surfaces.
- Make sure that all discarded materials, components and cable ends do not come in to contact with live parts.

## Insulated Screwdriver & Plier set

18 piece insulated screwdrivers and pliers all produced and tested according to the EN 60900 standard. Approved for live working up to 1000 volt AC.



<b>MRV18</b>	<b>18 piece 1000 volt Screwdriver &amp; Plier Set</b> (450x340x105mm, 3.5 kilos)		
<b>Screwdrivers</b>	Flat type	0.4x2.5x75mm, 05.x3.0x100mm, 0.8x4.0x100mm, 1.0x5.5x125mm, 1.2x6.5x150mm	
	PH type	PH0 x 60mm, PH1 x 80mm, PH2 x 100mm, PH3 x 150mm	
	PZ type	PZ0 x 60mm, PZ1 x 80mm, PZ2 x 100mm, PZ3 x 150mm	
<b>Pliers</b>	6" side cutter, capacity 0.5mm piano wire		
	8" side cutter, capacity 2.5mm piano wire		
	8" combination, capacity 2.0mm piano wire		
	8" long nose		
		7" wire stripper, capacity 0.2-3.0mm	



Stock No	PRICE
MRV18	€155.00



## Insulated Screwdriver set

Set of 7 1000 volt insulated screwdrivers, 3 for slotted heads, 3 for Phillips and 1 for Pozidrive heads. The screwdrivers have ergonomically designed two component handles with hanging hole. All produced and tested according to the EN60900 standard. Approved for working up to 1000 volt AC.

<b>MDV907P</b>	<b>7 piece 1000 volt Screwdriver Set</b> (265x142x50mm, 0.47 kilos)		
<b>Screwdrivers</b>	<b>Flat type</b>	0.4x2.5x75mm, 0.8x4.0x100mm, 1.0x5.5x125mm	
	<b>PH type</b>	PH0 x 60mm, PH1 x 80mm, PH2 x 100mm	
	<b>PZ type</b>	PZ2 x 100mm	

Stock No	PRICE
MDV907P	€39.90

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7 piece Mega Drive insulated screwdriver set, all produced and tested according to the EN 60900 standard. Approved for live working up to 1000 volt AC. Supplied in the Teng Tools TC tray with removable lid.

<b>TTV907</b>	<b>7 piece 1000 volt Screwdriver Set</b> (265x142x50mm, 0.65 kilos)		
<b>Screwdrivers</b>	<b>Flat type</b>	0.4x2.5x75mm, 0.8x4.0x100mm, 1.0x5.5x125mm	
	<b>PH type</b>	PH0 x 60mm, PH1 x 80mm, PH2 x 100mm	
	<b>PZ type</b>	PZ2 x 100mm	

Stock No	PRICE
TTV907	€44.90

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## Insulated Screwdrivers - flat type

Insulated Flat tip screwdrivers with two component handles and black tips. Produced and tested according to the EN 60900 standard. Approved for live working up to 1000 volt AC.

Stock no.	Size	Shaft type	L1 mm	L2 mm	Weight g	Price
MDV820	Flat	insulated	150	270	105	€5.60
MDV822	Flat	insulated	75	175	23	€5.60
MDV824	Flat	insulated	100	200	30	€6.70
MDV826	Flat	insulated	100	210	55	€7.70
MDV828	Flat	insulated	125	230	75	€9.70

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## Insulated Screwdrivers - PH type

Insulated PH type tip screwdrivers with two component handles and black tips. Produced and tested according to the EN 60900 standard. Approved for live working up to 1000 volt AC.

Stock no.	Size	Shaft type	L1 mm	L2 mm	Weight g	Price
MDV840	PH0	insulated	60	160	24	€5.60
MDV842	PH1	insulated	80	185	56	€7.10
MDV844	PH2	insulated	100	225	85	€9.20
MDV846	PH3	insulated	150	290	155	€12.30

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## Insulated Screwdrivers - PZ type

Insulated PZ type tip screwdrivers with two component handles and black tips. Produced and tested according to the EN 60900 standard. Approved for live working up to 1000 volt AC.

Stock no.	Size	Shaft type	L1 mm	L2 mm	Weight g	Price
MDV860	PZ0	insulated	60	160	24	€6.40
MDV862	PZ1	insulated	80	185	56	€7.00
MDV864	PZ2	insulated	100	185	85	€9.20
MDV866	PZ3	insulated	150	290	156	€13.40

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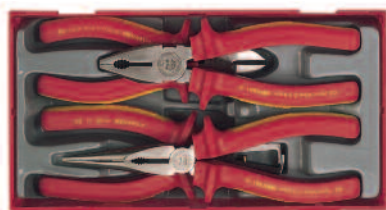




# Insulated Tools

## Insulated tools

4 piece Mega Bite insulated plier set, all produced and tested according to the EN 60900 standard. Approved for live working up to 1000 volt AC. Supplied in the Teng Tools TC tray with removable lid.



TTV440	4 piece 1000 volt insulated Plier Set (265x142x50mm, 1.1 kilos)
Pliers	6" side cutter (capacity 0.5mm piano wire) 7" combination (capacity 2.0mm piano wire), 8" long nose, 7" wire stripper (capacity 0.2-3.0mm).

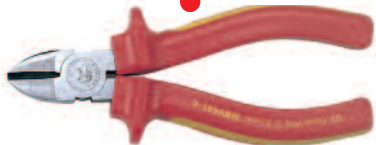
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Stock No	PRICE
TTV440	€85.00

## Insulated Side Cutters

Insulated Mega Bite side cutting pliers. High carbon steel. 72° cutting edge angle and Titanium coated joints. Produced and tested according to the EN 60900 standard. Approved for live working up to 1000 volt AC.

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Stock no.	Length mm	Length Inch	Cutting capacity (mm) Piano wire	Weight g	Price
MBV441-6	150	6	0.5	183	€19.90

Insulated heavy duty Mega Bite side cutting pliers. High carbon steel 72° cutting edge angle and Titanium coated joints.

Produced and tested according to the EN 60900 standard. Approved for live working up to 1000 volt AC.

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Stock no.	Length mm	Length Inch	Cutting capacity (mm) Piano wire	Weight g	Price
MBV442-8	200	8	2.5	296	€25.50

## Insulated Combination Pliers

Insulated Mega Bite combination pliers. High carbon steel, 68° edge angle and Titanium coated joints. Produced and tested according to the EN 60900 standard. Approved for live working up to 1000 volt AC.

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Stock no.	Length mm	Length Inch	Cutting capacity (mm) Piano wire	Weight g	Price
MBV451-7	175	7	1.5	282	€26.50
MBV451-8	200	8	2.0	377	€27.90

## Insulated Long Nose Pliers

Insulated Mega Bite long nose pliers. High carbon steel, 72° cutting angle and Titanium coated joints. Produced and tested according to the EN 60900 standard. Approved for live working up to 1000 volt AC.

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Stock no.	Length mm	Length Inch	Cutting capacity (mm) Piano wire	Weight g	Price
MBV461-8	200	8	0.5	250	€24.80

## Insulated Wire Stripping Pliers

Insulated Mega Bite wire stripping pliers. Spring action. Produced and tested according to the EN 60900 standard. Approved for live working up to 1000 volt AC.

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Stock no.	Length mm	Length Inch	Cutting capacity (mm) Piano wire	Weight g	Price
MBV499-7	180	7	0.2 - 3.0	170	€18.80