

EV and Hybrid Insulated Solutions





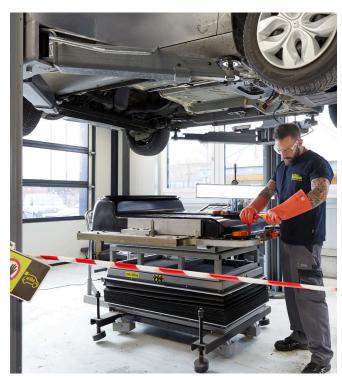


EV & Hybrid Solution

Grabbing any off-the-shelf tool is not going to cut it when servicing electric vehicles (EV), hybrid electric vehicles (HEV) or battery electric vehicles (BEV). Safety must be the top priority. Developed with input from the leaders in OEM electric vehicles; the 26 piece Wiha Insulated EV Essentials Tool Kit has the tools you need to get the job done; plus the peace of mind using individually tested, 1,000 Volt Rated, Insulated VDE Screwdrivers, Sockets, Ratchets, Extension Bars, Wrenches, Pliers, Cutters, Cable Stripping Knife, and Tweezers.

Every single Wiha insulated tool is certified to 1,000 volts AC (1,500 volts DC) for safety in energized applications. But we don't stop there; Wiha individually tests each tool in house to 10,000 volts AC. Wiha Insulated tools are VDE Certified and meet EN/IEC 60900 testing standards for protection against arc flash explosion, ASTM F1505 standard specifications for insulated and insulating hand tools, NFPA-70E standards for electrical safety on the jobsite, and CSA testing benchmarks for safety and performance. Trust the Wiha EV products for your specialized automotive mechanic needs.

You can buy with confidence knowing that this product is backed by the Wiha No Hassle Guarantee.





For your safety, use tools marked:



ASTM F1505 Meets Specifications

GOOD



IEC 60900



> Meets Specifications



VDE 0680

> Certified & Tested

BEST



- Individually tested to block potentially hazardous voltages from reaching you
- Double insulation certified to protect user and equipment
- Ergonomic cushion grip handles for less strain and maximum comfort



Insulated Tools are intended to provide protection against accidental contact with charged energized circuits. For maximum safety we recommend de-energizing all circuits whenever possible before starting work on electrical apparatus or conductors. Always visually inspect insulation on tools before use, do not use tools if insulation shows signs of wear or damage to the insulated areas of the tool. Wear appropriate eye protection when using hand tools. Use NFPA70E certified insulated protective outer wear when appropriate.

Use & Care Guide For Insulated Tools:

Store tools to minimize risk of damage to insulation, always wear approved eye protection, Inspect insulation prior to each use of any insulated tool. Use insulated tools where the ambient temperature is between -20 to +70° C. Have a qualified safety technician visually inspect insulation on tools annually for safe use.



NEW

EV 6 Essential **Tool Kit**

Developed with input from the OEM leaders in electric and hybrid vehicles, the Wiha EV Essentials kit provides the technician with a VDE certified solution for high voltage auto repairs. All of these tools come in a sturdy plastic shell case with metal hinges and finger recesses for pulling tools out easily.







Secure Locking Latch





Item #91890 26 Pc. Insulated EV Essentials Kit

Insulated Ratchet

Insulated Extension Bar **Insulated Extension Bar** Ins. Cable Stripping Knife **Insulated Tweezers** Ins. Open End Wrenches Insulated 3/8" Dr. Socket Set **Insulated High Leverage Cutters Insulated Long Nose Pliers Insulated Diagonal Cutters Insulated SoftFinish Screwdrivers**

3/8" Drive x 7.5" 3/8" Drive x 4.9" 3/8" Drive x 9.8" 50mm x 216mm 8"/200mm Serrated Straight Blunt 8 | 10 | 12 | 13mm

5 | 6 | 8 | 10 | 12 | 13mm 8.0"/200mm

8.0"/200mm 8.0"/200mm

Slt 3.5mm | 4.5mm | 6.5mm PH #1 | #2 & TORX T20 | T25 | T30

Insulated Sockets & Accessories



Item #31393

10 Pc. Insulated 1/4" Drive Metric Sockets

Metric 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14mm

Also Available:

Item# 31393 - 10 Pc. Insulated 1/4" Drive SAE Sockets

SAE 3/16 | 7/32 | 1/4 | 9/32 | 5/16 | 11/32 | 3/8 | 7/16 | 1/2 | 9/16"



Item #31593

18 Pc. Insulated 3/8" Drive Metric Sockets

6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 Metric 17 | 18 | 19 | 20 | 21 | 22 | 24mm

Also Available:

Item# 31596 - 13 Pc. Insulated 3/8" Drive SAE Sockets

SAE 1/4 | 9/32 | 5/16 | 11/32 | 3/8 | 7/16 | 1/2 | 9/16 | 5/8

11/16 | 3/4 | 13/16 | 7/8"



22 Pc. Insulated 1/2" Drive Metric Sockets

Metric 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 22 | 23 | 24 | 26 | 27 | 28 | 30 | 32mm

Also Available:

Item# 31596 - 15 Pc. Insulated 1/2" Drive SAE Sockets

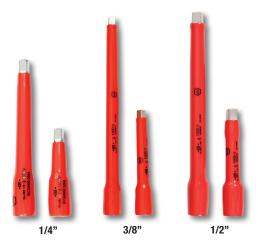
5/16 | 11/32 | 3/8 | 7/16 | 1/2 | 9/16 | 5/8 | 11/16 | 3/4 | 13/16

7/8 | 15/16 | 1 | 1-1/8 | 1-1/4"



Insulated Ratchets

	Inch	mm	Inch
12851	1/4"	140	5.5
12852	3/8"	190	7.5
12853	1/2"	260	10.2



Insulated Extension Bars

	Inch	mm	Inch
12854	1/4"	50	2.0
12855	1/4"	100	3.9
12856	3/8"	125	4.9
12857	3/8"	250	9.8
12858	1/2"	125	4.9
12859	1/2"	250	9.8



Insulated Socket Adapter/Reducer

31450	Inch 3/8" - 1/2"
31460	Inch 3/8" - 1/4"
31650	Inch 1/2" - 3/8"



Insulated Socket Sets



Item #31391

13 Pc. Insulated 1/4" Drive Metric Socket Set

5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14mm Ratchet 140mm & Extension Bars 50mm | 100mm

Also Available:

Item# 31390 - 13 Pc. Insulated 1/4" Drive SAE Sockets

3/16 | 7/32 | 1/4 | 9/32 | 5/16 | 11/32 | 3/8 | 7/16 | 1/2 | 9/16" SAE

Ratchet 140mm & Extension Bars 50mm | 100mm



Item #31590

10 Pc. Insulated 3/8" Drive Metric Socket Set

8 | 10 | 11 | 12 | 13 | 14 | 17 | 19mm Ratchet 190mm & Extension Bar 125mm

Also Available:

Item# 31493 - 10 Pc. Insulated 3/8" Drive SAE Sockets SAE 5/16 | 3/8 | 7/16 | 1/2 | 9/16 | 5/8 | 11/16 | 3/4"

Ratchet 190mm & Extension Bar 125mm



Insulated Wrench Sets



Item #20196

13 Piece Insulated Open End Wrench Set

Metric 8 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17

18 | 19 | 22 | 24mm



Item #20091

15 Pc. Insulated Metric Open End Wrench Set

Metric 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 15 | 16 | 17 | 19 | 22 | 24mm



Item #21093

16 Pc. Insulated Metric Offset Ring Wrench Set

Metric 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 17 | 19 | 20 | 22 | 24 | 27 | 30 | 32mm





Torque Ratchet Wrenches



+/- 10% Accuracy

PRO-PICK



+/- 6% Accuracy

With Certificate of Calibration

Item #28789

11 Pc. Insulated TorqueControl Set With SlimLine Blades

 Slotted
 4.0mm | 6.5mm

 Phillips
 #1 | #2

 Square
 #1 | #2

 Terminal Xeno SI/Pz
 #1 | #2

 Torque Handle
 10-50 ln/lbs.

 SlimLine Blade Holder
 6.75" OAL

Insulated Torque Ratchet Wrenches

	Drive	mm	Inch	Nm
30114	1/4"	210	8.25	5-25
30138	3/8"	370	14.5	5-50
30152	1/2"	530	21.0	40-220



Item #30190

16 Pc. Insulated 3/8" Drive Ratcheting Torque Wrench & Socket Set - SAE

SAE: 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8"

3/8" x 125mm & 3/8" x 250mm Extension Bars 3/8" Drive Ratcheting Torque Wrench 5-50Nm

*Sockets must be used with insulated ratchets & extensions





With Certificate of Calibration

+/- 6%

Accuracy

Item #28792

16 Pc. Insulated TorqueControl Set With SlimLine Blades

Slotted 4.0mm | 5.5mm | 6.5mm Phillips #1 | #2

Square #1 | #2 Terminal Xeno SI/Pz #1 | #2

TORX® T8 | T10 | T15 | T20
Torque Handle 18-62 In/lbs.
SlimLine Blade Holder 6.75" OAL

Item #30192

16 Pc. Insulated 3/8" Drive Ratcheting Torque Wrench & Socket Set - Metric

Metric: 8.0, 9.0, 10.0, 11.0, 12.0, 13.0, 14.0, 15.0, 16.0,

17.0, 18.0, 19.0, 20mm

 $3/8" \times 125 \text{mm} \& 3/8" \times 250 \text{mm}$ Extension Bars 3/8" Drive Ratcheting Torque Wrench 5-50Nm

*Sockets must be used with insulated ratchets & extensions





BiCut Compound Cutters



Cutting capacity up to 3mm hardened piano wire

Item #32936

Insulated BiCut Compound Cutters

Inch	mm	Double the power at the press of a button, switch
8.0	200	between 2 strengths in one-handed operation

Insulated Tweezers



Insulated Serrated Angled Blunt Tip Tweezers

Inch mm 200 8.0



Item #28348

Insulated SlimLine Blade Set With Belt Holder

Slotted	4.0mm 5.5mm	
Phillips	#1 #2	
Square	#1 #2	
11	0.5 0.0 4.0-	

2.5mm | 3.0mm | 4.0mm Hex T15 | T20 | T25 **TORX®**

Up to 33% narrower insulation diameter then standard insulated tools



Precision SlimLine Screwdrivers



8 Pc. Insulated PicoFinish® Precision Screwdriver Set

Slotted 1.5mm | 2.0mm | 2.5mm | 3.0mm | 3.5mm **Phillips** #00 | #0 | #1



Item #28303

Insulated PicoFinish® SlimLine Blade Holder

Inch	mm	Inch
1/4"	114	4.5



Item #28301

Insulated SoftFinish® SlimLine Blade Holder

Inch	mm	Inch
1/4"	160	6.3



Item #28304

Insulated SoftFinish® SlimLine Blade Holder



Insulated Master Electrician's Set

All Tools In **Dedicated Positions For** Quick Storage & Easy **Location Tracking**









Item #32800

80 Pc. Insulated Master Electrician's Tool Set In Rolling **Water Tight Traveling Tool Box**

6.3" Long Nose Pliers 8.0" Long Nose Pliers 6.3" Bent Nose Pliers 6.3" Long Flat Nose Pliers 9.0" Combo Pliers/Crimpers Insulated SAE Sockets: 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8" **Insulated METRIC Sockets:** 13.0, 14.0, 15.0, 17.0, 19.0, 20.0, 22.0mm Insulated Ratchet 3/8" Drive Insulated 4.9" Extension 3/8" Dr. **Insulated SAE Nut Drivers:** 7/32, 1/4, 5/16, 3/8, 7/16" **Insulated METRIC Nut Drivers:** 5.0, 5.5, 6.0, 7.0, 8.0, 10.0, 13.0mm Insulated T-handle SAE Hex: 5/32, 3/16, 7/32, 1/4, 5/16, 3/8" **Insulated T-handle METRIC Hex:** 4.0, 5.0, 6.0, 8.0mm

8.0" High Leverage Cutters 6.3" Cable Cutters 6.3" Stripping Pliers 8.0" Adjustable Wrench Insulated Slotted: 2.5, 3.0, 3.5, 4.0, 4.5, 5.5, 6.0, 6.5, 8.0, 10.0mm Insulated Phillips: #0, 1, 2, 3 Insulated Xeno Slotted/Phillips Terminal: #1, 2 Insulated Square: #1, 2 Insulated TORX: T6, T7, T8, T9, T10, T15, T20, T25, T30 Insulated L-key: 10mm Insulated L-key: 1/2" Insulated Cable Knife: 50mm Insulated Folding Ruler SAE/MM

Cat. III Voltage Detector-

Battery Operated

6.3" Diagonal Cutters



Item #32095

19 Piece Slotted, Phillips, Square, Xeno Screwdriver Set

Slotted: 2.5, 3.0, 3.5, 4.0, 4.5, 5.5, 6.0, 6.5, 8.0, 10.0mm

Phillips: #0, #1, #2, #3 & Square: #1, #2

Xeno Terminal: #1, #2

Cat. III Voltage Detector - (Battery Operated)



7 Piece Slotted, Phillips & Square Set

Slotted: 3.5, 5.5, 6.5mm Phillips: #1, 2 & Square: #1, 2



Item #32094

13 Piece Slotted & Phillips Set

Slotted: 2.0, 2.5, 3.0, 3.5, 4.5, 5.5, 6.5, 8.0, 10.0mm

Phillips: #0, 1, 2, 3

Insulated Tool Sets



66 Piece Master Electrician's Set

8.0" Long Nose
6.3" Side Cutters
6.3" Long Flat Nose
8.0" BiCut SuperCut
9.0" Combo Pliers/Crimpers
8.0" Stripping Pliers
8.0" Adjustable Wrench

Slotted: 2.0, 2.5, 3.0, 4.0, 4.5, 5.5, 6.0, 8.0, 10.0mm

Phillips: #0, 1, 2, 3 & Square: #1, 2 & Slt/Ph Terminal: #1, 2

TORX: T8, T10, T15, T20, T25, T30
T-handle Hex Metric: 4.0, 5.0, 6.0, 8.0mm
T-handle Hex Inch: 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"
Nut Driver Inch: 1/4, 5/16, 11/32, 3/8, 7/16"

L-key Hex: 1/2" & 10.0mm

Sockets SAE: 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8"

Sockets Metric: 8.0, 10.0, 13.0, 14.0, 15.0, 17.0, 19.0, 22.0mm Insulated Ratchet 3/8" Drive & Extension 4.9" & Cable Knife 50mm



48 Piece Insulated Tool Set

6.3" Long Nose Pliers
8.0" Long Nose Pliers
8.0" BiCut SuperCut
6.3" Combination Pliers
9.0" Combo Pliers/Crimpers
10.0" Water Pump Pliers

6.3" Side Cutters
8.0" BiCut SuperCut
6.3" Stripping Pliers
8.0" Adjustable Wrench
Battery Operated Voltage Detector

Slotted: 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.5, 6.0, 6.5, 8.0mm Phillips: #0, 1, 2, 3 & Square: #1, 2 & Slt/Ph Terminal: #1, 2

TORX: T8, T9, T10, T15, T20, T25, T27, T30 Hex Inch: 5/32, 3/16, 7/32, 1/4, 5/16, 3/8" Nut Driver Inch: 7/32, 1/4, 5/16, 3/8, 7/16, 1/2"

50mm Cable Stripping Knife & Insulated Inch/Metric Folding Ruler



Item #32999

9 Piece Insulated Industrial Pliers & Cutters Set

6.3"/160mm & 8.0"/200mm Diagonal Cutters 6.3"/160mm & 8.0"/200mm Long Nose Pliers 9.0"/225mm Lineman's Pliers 8.0" High Leverage Combo Pliers 8.0"/200mm Cable Cutters 7.0"/180mm Crimping Pliers 6.3"/160mm Stripping Pliers

Insulated T-handles



5 Pc. Insulated Metric Hex T-handle Set

Metric 4.0, 5.0, 6.0, 8.0, 10.0mm

Item #33490

6 Piece T-handle Hex SAE Set

SAE: 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"

Heavy Duty Pouch



Item #91473

Cordura® General Purpose Zipper Bag Heavy duty nylon. Keeps Wiha tools & accessories organized.

9.75" x 7.25" x 3.0"



Half Size, Two Trays Per Standard Drawer





Item #33895

29 Pc. METRIC 1/2" Drive Professional **Socket Tray Set**

12 Standard Sockets: 10 - 21mm 13 Deep Sockets: 10 - 22mm 1/2" Dr. Ratchet: 72 Tooth 1/2" Dr. Extension Bars: 3", 6" 1/2" Dr. Universal Joint



Item #33896 28 Pc. SAE 1/2" Drive Professional **Socket Tray Set**

11 Standard Sockets: 3/8" - 1" 13 Deep Sockets: 3/8" - 1-1/8" 1/2" Dr. Ratchet: 72 Tooth 1/2" Dr. Extension Bars: 3", 6" 1/2" Dr. Universal Joint

PRO-PIC



Item #34691 5 Pc. Classic Grip Adjustable Water Pump Pliers Tray Set

Adjustable Pliers: 7.0" | 180mm Adjustable Pliers: 10.0" | 250mm Adjustable Pliers: 12.0" | 300mm Auto Grip: 10.0" | 250mm Pliers Wrench: 10.25" | 260mm



Item #34682

8 Pc. Classic Grip Pliers & Cutters Tray Set

Long Nose: 6.3" | 160mm & 8.0" | 200mm BiCut SuperCut: 8.0" | 200mm Angled Diagonal Cutters: 8.0" | 200mm **High Leverage Combination Pliers:** 9.0" | 225mm

Cable Cutters: 8.0" | 200mm Diagonal Cutters: 5.5" | 140mm

Mechanic's Diagonal Cutters: 5.0" | 127mm



Item #53180

10 Pc. Extra Heavy Duty SoftFinish® Cushion **Grip Driver Tray Set**

Slotted: 3.5, 4.0, 4.5, 5.5, 6.0, 6.5, 8.0mm Phillips: #1, #2, #3

PRO-PICI



Item #30280 10 Pc. SoftFinish® Cushion Grip Screwdriver

Slotted: 3.5, 4.0, 4.5, 5.5, 6.0, 6.5, 8.0mm Phillips: #1, #2, #3



Item #32080

10 Pc. Insulated SoftFinish® Cushion Grip **Screwdriver Tray Set**

Slotted: 3.5, 4.5, 4.5, 5.5, 6.5mm

Phillips: #1, #2, #3 Square: #1, #2





Quarter Size, Four Trays Per Standard Drawer



Item #32081

5 Pc. Insulated SoftFinish® Cushion Grip Screwdriver Tray Set

Slotted: 4.5, 5.5, 6.5mm

Phillips: #1, #2



Item #34680

3 Pc. Classic Grip Pliers & Cutters Tray Set

Long Nose: 8.0" | 200mm Angled Cutters: 8.0" | 200mm

Lineman's Pliers w/Crimpers: 9.0" | 225mm



Item #34690

3 Pc. Classic Grip Adjustable Water Pump Pliers Tray Set

Adjustable Pliers: 7.0" | 180mm Adjustable Pliers: 10.0" | 250mm Auto Grip: 10.0" | 250mm

PRO-PICK



Item #33795

24 Pc. METRIC 3/8" Drive Professional Socket Tray Set

10 Standard Sockets: 8 - 19mm 10 Deep Sockets: 8 - 19mm 3/8" Dr. Ratchet: 72 Tooth 3/8" Dr. Extension Bars: 3", 6" 3/8" Dr. Universal Joint



Item #32960

3 Pc. Insulated Pliers and Cutters Tray Set

Long Nose: 8.0" | 200mm Angled Cutters: 8.0" | 200mm NE Style Lineman's: 9.5" | 245mm



Item #34681

4 Pc. Classic Grip Pliers & Cutters Tray Set

Long Nose: 6.3" & 8.0" BiCut SuperCut: 8.0" | 200mm

High Lev Combination Pliers: 9.0" | 225mm



Item #33395

27 Pc. METRIC 1/4" Drive Professional Socket Tray Set

12 Standard Sockets: 4 - 14mm

11 Deep Sockets: 5 - 14mm

1/4" Dr. Ratchet: 72 Tooth

1/4" Dr. Extension Bars: 3", 6"

1/4" Dr. Universal Joint



Item #33396

25 Pc. SAE 1/4" Drive Professional Socket Tray Set

11 Standard Sockets: 5/32" - 9/16" 10 Deep Sockets: 5/32" - 9/16" 1/4" Dr. Ratchet: 72 Tooth 1/4" Dr. Extension Bars: 3", 6"

1/4" Dr. Universal Joint



Item #33796

22 Pc. SAE 3/8" Drive Professional Socket Tray Set

9 Standard Sockets: 1/4" - 3/4" 9 Deep Sockets: 1/4" - 3/4" 3/8" Dr. Ratchet: 72 Tooth 3/8" Dr. Extension Bars: 3", 6" 3/8" Dr. Universal Joint



No Hassle Guarantee

Wiha branded tools are regarded as the most durable, best designed and highly innovative products around. Our tools are used by demanding professional tradespeople and tool aficionados alike. They are meant to be used and utilized often. However, if you are not happy for any reason return them within 12 months of purchase with proof of purchase and we will Repair or Replace.

Rest assured, if for some reason there is a defect in material or workmanship we will replace your tool free of charge for as long as you own the tool.

Failures due to misuse, abuse or normal wear and tear are not covered by this guarantee. We stand by our products with what we believe is the best **No Hassle Guarantee** in the industry.

Exclusions

Wiha Tools has the right to exclude Bits, Tweezers and Ceramic Screwdrivers. These products are either consumable or wear easily.

All torque tools are designed for 5,000 cycles or 1 year (whichever comes first). If a tool becomes out of specification within that period Wiha Tools will Repair or Replace. Visit www.wihatools.com to learn more about our Torque Control Service Program.

Legal

Some areas do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This guarantee gives you specific rights, and you may also have other rights, which vary, from state to state, province to province, or country to country.

This **No Hassle Guarantee** is the sole and exclusive guarantee for the Willi Hahn Corporation dba Wiha Tools. No employee, agent, dealer, or other person is authorized to alter this guarantee or make any other guarantees on behalf of Wiha Tools.

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- Early access to new products and up-coming promotions
- Exclusive Members-Only discounts