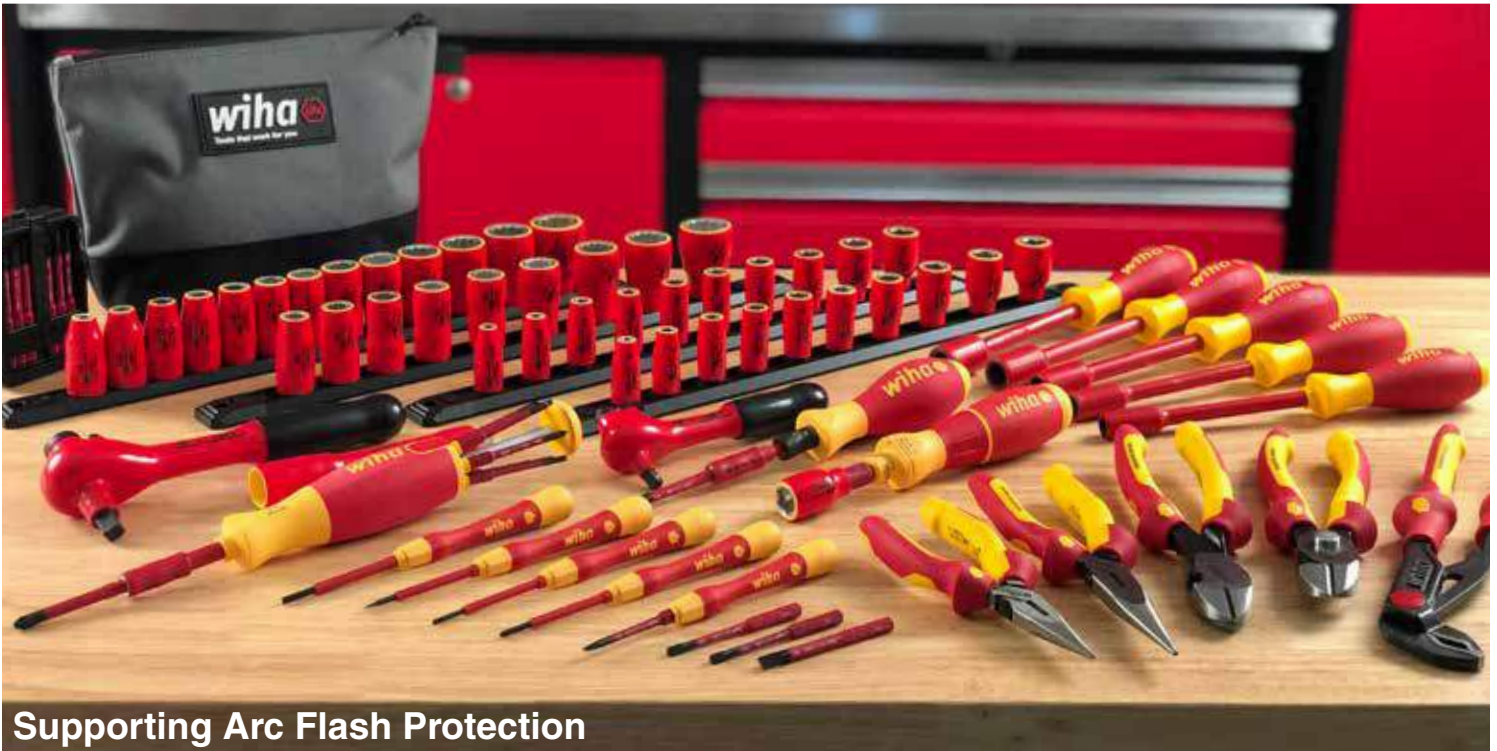


2022

# PROFESSIONAL INSULATED TOOLS



Supporting Arc Flash Protection



## COMPLETE INSULATED PROGRAM



2 Tools that work for you

**Arc Flash Protection:**

Wiha Insulated tools can be a vital component in your Arc Flash protection strategy. What is Arc Flash?

**ARC FLASH**

An Arc Flash is an electrical explosion due to a fault condition or short circuit when either a phase to ground or phase to phase conductor is connected. Arc flashes cause electrical equipment to explode, resulting in an arc-plasma fireball. Temperatures may exceed 35,000° F (the surface of the sun is 9000° F). These high temperatures cause rapid heating of surrounding air and extreme pressures, resulting in an arc blast. The arc blast will likely vaporize all solid copper conductors which will expand up to 67,000 times its original volume when it is vaporized. The result of this violent event is usually destruction of the equipment involved, fire, and severe injury or death to any nearby people.

**WHY ARC FLASHES HAPPEN**

There are a variety of reasons why an Arc Flash can occur, but most of them are preventable. Most arc flashes occur when maintenance workers are manipulating live equipment for testing or repair and accidentally cause a fault. Improper tools, improper electrical equipment, corrosion of equipment, improper work techniques and lack of training are just some of the events that can lead to a devastating arc flash or arc blast.

**ARC FLASH COMPLIANCE**

There are 4 main regulations that govern electrical safety & arc flash:

1. OSHA Standards 29CFR, Part 1910. Occupational Safety and Health Standards. 1910 sub part S (electrical) Standard number 1910.333 specifically addresses Standards for Work Practices and references NFPA 70E. OSHA 29CFR 1910.335 (a) (1)(i) requires the use of protective equipment when working where a potential electrical hazard exists and 29CFR 1910.132(d)(1) which requires the employer assess the workplace for hazards and the need for personal protective equipment. OSHA compliance is required by any plant building or facility.

2. The National Fire Protection Association (NFPA) Standard 70 - 2002 "The National Electrical Code" (NEC) contains requirements for warning labels.










3. NFPA 70E provides guidance on implementing appropriate work practices that are required to safeguard workers from injury while working on or near exposed electrical conductors or circuit parts that could become energized. Part II 2-1.3.3 regarding Arc Flash Analysis states that a "Flash Hazard Analysis shall be done before a person approaches any exposed electrical conductor or circuit part that has not been placed in an electrical safe work condition". This Arc Flash Hazard Analysis must be done to determine the level of Personal Protection Equipment PPE that a worker must use, and the Arc Flash Boundary in inches along with the incident energy found at each location. Each panel must be marked with an ANSI z535 approved Arc Flash Warning Label.


4. The Institute of Electronics and Electrical Engineers (IEEE) 1584 – 2002 Guide to Performing Arc-Flash Hazard Calculations






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<http://www.martinarflash.com>

**OSHA**


Wiha tools assists with compliance of OSHA 29CFR 1910 (Sub Parts electrical standard)



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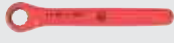
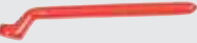
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## Wiha Insulated Screwdrivers with SoftFinish® Cushion Grip Handle

### Insulation Test Standards:

Insulation according to EN/IEC 60900, ASTM F-1505, New VDE 0682/part 201, DIN 7437, NFPA70E & CSA

Responds to OSHA's use specification 29 CFR1910

Each tool individually tested to 10,000 Volts & certified to 1000 Volt ac or 1500 Volt dc

**SoftFinish® handle** Solid molded core with soft outer cushion grip. 40% more torque than conventional handles

**Insulation**  
Molded directly onto the blade for permanent bonding

**Blade**  
CVM tool steel, hardened to average 58/60RC

**1000V**



**1000Volt**



**1000Volt**

**32105 2 Piece Slotted & Phillips Set**  
Item **↓** Slotted: 5.5  
No. **⊕** Phillips: #2  
32105 **↔** lbs. .50

**320 Slotted Screwdriver, With Wiha-SoftFinish® Handle. Insulation According to ASTM F-1505, New VDE Specification 0682/part 201 and EN/IEC 60900, NFPA70E & CSA, up to 1000 Volt. Individually Tested.**

Item No.	↓	↓	↓	↔	↔	↔	↔	↔
	mm	Inch	Inch	mm	Inch	mm	Inch	lbs.
32005	2.0	.078	5/64	60	3.0	164	6.5	.05
32010	2.5	.098	3/32	75	3.0	179	7.1	.06
32012	3.0	.118	1/8	100	4.0	204	8.0	.07
32015	3.5	.139	9/64	100	4.0	204	8.0	.07
32017	4.0	.157	5/32	100	4.0	211	8.3	.12
32023	4.5	.177	3/16	100	4.0	211	8.3	.12
32024	4.5	.177	3/16	125	5.0	236	9.3	.12
32027	4.5	.177	3/16	150	6.0	261	10.2	.14
32025	4.5	.177	3/16	175	7.0	286	11.2	.13
32028	4.5	.177	3/16	200	8.0	311	12.3	.15
32031	5.5	.216	7/32	125	5.0	243	9.5	.15
32026	5.5	.216	7/32	175	7.0	293	11.5	.21
32034	6.0	.236	15/64	150	6.0	268	10.6	.21
32039	6.5	.255	1/4	150	6.0	268	10.6	.21
32042	8.0	.315	5/16	175	7.0	299	11.8	.34
32045	10.0	.393	3/8	200	8.0	318	12.5	.39



**1000Volt**

**33532 2 Piece Slotted & Phillips Set**  
Item **↓** Slotted: 6.0  
No. **⊕** Phillips: #2  
33532 **↔** lbs. .50



**1000Volt**

**321 Phillips Screwdriver, With Wiha-SoftFinish® Handle. Insulation According to ASTM F-1505, New VDE Specification 0682/part 201 and EN/IEC 60900, NFPA70E & CSA, up to 1000 Volt. Individually Tested.**

Item No.	⊕	↔	↔	↔	↔	↔
	Size	mm	Inch	mm	Inch	lbs.
32100	0	60	2.4	164	6.5	.06
32101	1	80	3.0	191	7.5	.12
32102	2	100	4.0	218	8.6	.20
32103	3	150	6.0	268	10.6	.34
32104	4	200	8.0	318	12.5	.39



**1000Volt**

**32090 4 Piece Slotted & Phillips Set**  
Item No. **↓** Slotted: 3.5, 4.5  
32090 **⊕** Phillips: #1, 2  
**↔** lbs. .76

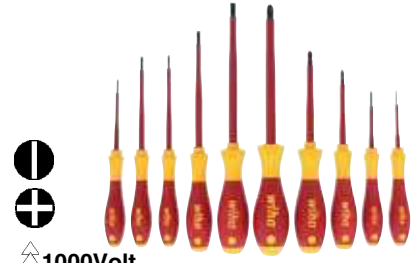
**Wiha Insulated Screwdrivers with SoftFinish® Cushion Grip Handle**



**1000Volt**  
**32084** 5 Piece Slotted & Phillips Set  
 Item No. ↓ ● Slotted: 3.5, 4.5, 6.5mm  
 No. ● Phillips: #1, 2  
**32084** ↵ lbs. 1.31



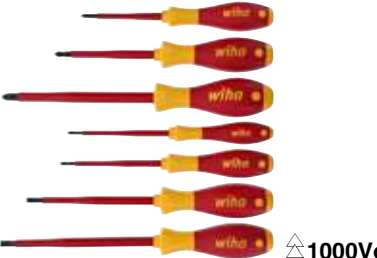
**1000Volt**  
**32092** 6 Piece Slotted & Phillips Set  
 Item No. ↓ ● Slotted: 3.5, 4.5, 6.5  
**32092** ● Phillips: #1, 2, 3  
 ↵ lbs. 1.38



**1000Volt**  
**32093** 10 Piece Slotted & Phillips Set  
 Item No. ↓ ● Slotted: 2.0, 2.5, 3.0, 3.5, 4.5, 6.5  
**32093** ● Phillips: #0, 1, 2, 3  
 ↵ lbs. 1.63



**1000Volt**  
**32091** 5 Piece Slotted & Phillips Set  
 Item No. ↓ ● Slotted: 3.0, 4.5, 6.5mm  
 No. ● Phillips: #1, 2  
**32091** ↵ lbs. 1.31



**1000Volt**  
**32099** 7 Piece Slotted & Phillips Set  
 In Clamshell  
 Item No. ↓ ● Slotted: 3.5, 4.0, 5.5, 6.5mm  
 No. ● Phillips: #1, 2, 3  
**32099** ↵ lbs. 1.60



**1000Volt**  
**32094** 13 Piece Slotted & Phillips Set  
 Item No. ↓ ● Slotted: 2.0, 2.5, 3.0, 3.5, 4.5, 5.5, 6.5, 8.0, 10.0mm  
**32094** ● Phillips: #0, 1, 2, 3  
 ↵ lbs. 2.3

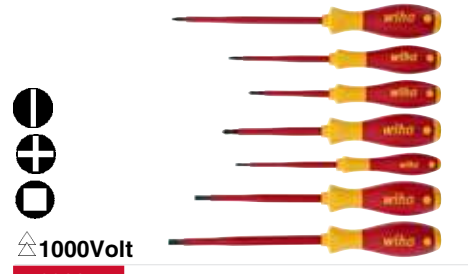
**Wiha Insulated Square Tip Screwdrivers**



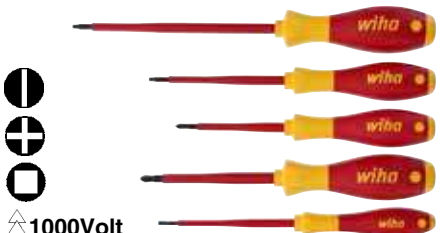
**1000Volt**  
**358** Square Tip Screwdriver, With Wiha-SoftFinish® Handle Insulation According to ASTM, VDE, EN/IEC, NFPA70E and CSA, up to 1000 Volt. Individually Tested. Blade high alloy CVM steel, hardened, black finish.  
 Item No. Size mm Inch mm Inch lbs.  
**35811** 1 100 4.0 210 8.2 .12  
**35812** 2 150 6.0 268 10.5 .19



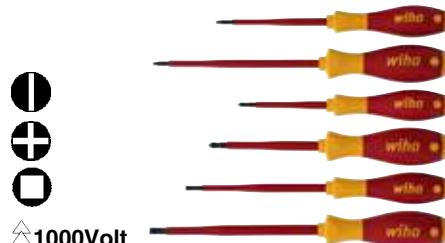
**1000Volt**  
**35891** 6 Pc. Insulated Slotted, Phillips and Square Screwdrivers  
 Item No. ↓ ● Slotted: 3.0, 5.5mm ↵ lbs.  
**35891** ● Phillips: #1, 2  
 Square: #1, 2 .83



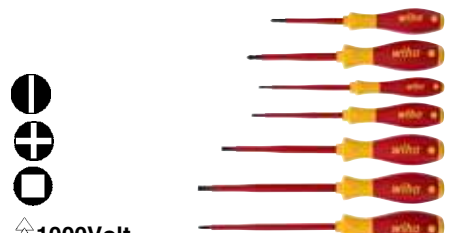
**1000Volt**  
**32097** 7 Piece Slotted, Phillips & Square Set In Clamshell  
 Item No. ↓ ● Slotted: 3.5, 5.5, 6.5mm  
 No. ● Phillips: #1, 2  
**32097** ● Square: #1, 2  
 ↵ lbs. 1.60



**1000Volt**  
**32083** 5 Piece Slotted, Phillips & Square Set  
 Item No. Slotted: 3.5mm  
 No. ● Phillips: #1, 2  
**32083** ● Square: #1, 2  
 ↵ lbs. 1.31

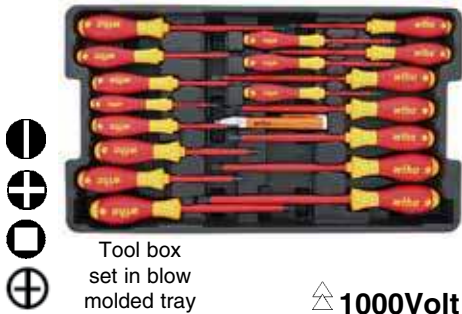


**1000Volt**  
**35890** 6 Pc. Insulated Slotted, Phillips and Square Screwdrivers  
 Item No. ↓ ● Slotted: 4.5, 6.5mm ↵ lbs.  
**35890** ● Phillips: #1, 2  
 Square: #1, 2 .83



**1000Volt**  
**32096** 7 Piece Slotted, Phillips & Square Set In Clamshell  
 Item No. ↓ ● Slotted: 3.5, 4.0, 5.5, 6.5mm  
 No. ● Phillips: #1, 2  
**32096** ● Square: #2  
 ↵ lbs. 1.60

## Wiha Insulated Screwdriver Sets



Tool box set in blow molded tray

⚡ 1000Volt

<b>32095</b>	<b>19 Piece Slotted, Phillips, Square, Xeno Screwdriver Set</b>
Insulated Screwdriver set in a light weight tool box tray.	
<b>Item No.</b>	<b>Slotted:</b> 2.5, 3.0, 3.5, 4.0, 4.5, 5.5, 6.0, 6.5, 8.0, 10.0mm
<b>32095</b>	<b>Phillips:</b> #0, #1, #2, #3
	<b>Square:</b> #1, #2
lbs.	<b>Xeno Terminal:</b> #1, #2
4.92	<b>Cat. III Voltage Detector - (Battery Operated)</b>



⚡ 1000Volt

<b>32188</b>	<b>7 Piece Slotted &amp; Phillips Set</b>
<b>Item No.</b>	
<b>32188</b>	<b>Slotted:</b> 2.0, 2.5, 3.0, 3.5, 4.0
	<b>Phillips:</b> #0, 1
	lbs. .92



⚡ 1000Volt

<b>32192</b>	<b>14 Piece Slot/Phil/Inch Nut Drivers &amp; Pliers/Cutters Set</b>
<b>Item No.</b>	<b>Slotted:</b> 3.0, 4.5, 6.5mm
<b>32192</b>	<b>Phillips:</b> 1, 2
	<b>Nut Drivers Inch:</b> 1/4, 5/16, 11/32, 3/8, 1/2"
5.5	<b>8.0" Combo Pliers,</b>
	<b>6.3" Diagonal Cutters</b>
	<b>6.3 &amp; 8.0" Long Nose Pliers/Cutters</b>

⚡ 1000Volt



<b>32190</b>	<b>15 Piece Slotted, Phillips &amp; Inch Nut Drivers Set</b>
<b>Item No.</b>	<b>Slotted:</b> 2.0, 2.5, 3.0, 3.5, 4.5, 6.5, 8.0mm
<b>32190</b>	<b>Phillips:</b> #1, 2, 3
lbs.	<b>Nut Drivers Inch:</b> 1/4, 5/16, 3/8, 7/16, 1/2"
5.9	

### Cat. IV Voltage Detector - Battery Operated



⚡ 1000Volt

<b>25505</b>	<b>Battery Operated Voltage Detector Tests 50-1000 Volts. Category IV, CE IEC 61010-1</b> With audible sound and light warnings. (Requires 2 AAA batteries).
<b>Item</b>	<b>mm Inch lbs.</b>
<b>No.</b>	
<b>25505</b>	146 5.75 .13

### Insulated Single-Pole Voltage Detector



⚡ 1000Volt

<b>25511</b>	<b>Insulated Single-Pole Voltage Detector. 110-250Volts. Insulation According To DIN 57860/6 And DIN VDE 0680-6, GS Tested.</b> Blade CVM steel, hardened, nickel-plated. Insulation molded directly onto blade. Amber LED light. 10,000Volt tested.
<b>Item</b>	<b>mm mm mm Inch lbs.</b>
<b>No.</b>	
<b>25511</b>	3.0 65 145 5.7 .04



⚡ 1000Volt

<b>32087</b>	<b>7 Pc. Slotted, Phillips, Square &amp; Voltage Detector Set</b>
<b>Item No.</b>	<b>Slotted:</b> 4.0, 5.5, 6.5mm
<b>32087</b>	<b>Phillips:</b> #1, #2
	<b>Square:</b> #2
	<b>Ins. Single Pole Voltage Detector</b>
	lbs. 1.36

**Wiha Insulated Pozidriv® Screwdrivers**

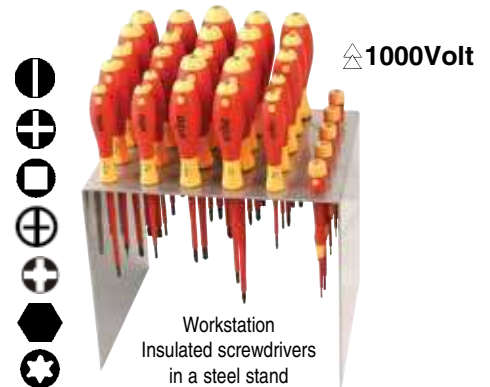


 **1000Volt**

**324** Pozidriv® Screwdriver, With Wiha SoftFinish® Handle. Insulation According to ASTM F-1505, VDE, 0682/part 201, EN/IEC 60900, NFPA70E & CSA specification. Individually Tested.

Item No.	Size	mm	mm	Inch	lbs.
32400	0	60	164	6.5	.11
32401	1	80	191	7.5	.13
32402	2	100	218	8.6	.23
32403	3	150	267	10.5	.30


**Wiha Insulated Screwdrivers**



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 **1000Volt**

**32199 30 Pc. Workstation Insulated Screwdriver Set**

<b>Item No.</b>	<b>Slotted:</b> 3.5, 4.0, 4.5, 5.5, 6.5mm
<b>32199</b>	<b>Phillips:</b> #1, #2, #3
	<b>Pozidriv®:</b> #1, #2
<b>lbs.</b>	<b>Square:</b> #1, #2
<b>8.50</b>	<b>Xeno Terminal Slit/Ph:</b> #1, #2
	<b>Hex Metric:</b> 2.5, 3.0, 4.0, 5.0, 6.0mm
	<b>TORX®:</b> T8, T10, T15, T20, T25, T30
	<b>PicoFinish Slotted:</b> 1.5, 2.0, 2.5mm
	<b>PicoFinish Phillips:</b> #00, #0

**Insulated Terminal Block Xeno Screwdrivers**



**Combination Slotted/Phillips Terminal Block Drivers**

Slotted/Phillips or Slotted/Pozidriv®

 **1000Volt**



 **Slotted/Phillips**

**307** Combination Terminal Block Xeno Screwdriver, With Wiha SoftFinish® Handle. Insulation According to ASTM F-1505, VDE, 0682/part 201, EN/IEC 60900, NFPA70E & CSA specification. Individually Tested.

Blade CVM steel, hardened, black finish. Insulation molded directly onto blade. Wiha-SoftFinish® handle, multi-component, cushion grip. For combination Slotted/Phillips head terminal screws.

Item No.	Size	mm	mm	Inch	lbs.
30700	1	80	191	7.5	.13
30701	2	100	218	8.6	.23



 **Slotted/Pozidriv®**

**307** Combination Terminal Block Xeno Screwdriver, With Wiha SoftFinish® Handle. Insulation According to ASTM F-1505, VDE, 0682/part 201, EN/IEC 60900, NFPA70E & CSA specification. Individually Tested.

Blade CVM steel, hardened, black finish. Insulation molded directly onto blade. Wiha-SoftFinish® handle, multi-component, cushion grip. For combination Slotted/Pozidriv® head terminal screws.

Item No.	Size	mm	mm	Inch	lbs.
30711	1	80	191	7.5	.12
30712	2	100	218	8.6	.21


**Insulated Drivers & Voltage Detector Sets**



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 **1000Volt**

**32089 9 Pc. Slotted, Phillips, Square & Voltage Detector Set In Molded Carry Case**

<b>Item No.</b>	<b>Slotted:</b> 3.5, 4.0, 4.5, 5.5mm
<b>32089</b>	<b>Phillips:</b> #1, #2
	<b>Xeno Slit/Ph:</b> #1, #2
	<b>Ins. Single Pole Voltage Detector</b>
	<b>lbs.</b> 1.81

## Wiha Insulated Hex Metric Screwdrivers



⚡ 1000Volt

**323** Hex Metric Screwdriver, With Wiha-SoftFinish® Handle

Insulation According to ASTM F-1505, New VDE Specification 0682/part 201 and EN/IEC 60900, NFPA70E & CSA, ⚡ up to 1000 Volt. Individually Tested. Blade high alloy CVM steel, hardened, black finish. Insulation molded directly onto blade. Wiha-SoftFinish® handle, multi-component, cushion grip.

Item No.	Size	mm	Inch	mm	Inch	lbs.
32302	2.5	75	3.0	179	7.0	.06
32303	3.0	75	3.0	179	7.0	.08
32304	4.0	75	3.0	186	7.3	.12
32305	5.0	75	3.0	186	7.3	.15
32306	6.0	100	3.9	218	8.6	.24
32308	8.0	100	3.9	218	8.6	.34

## Wiha Insulated TORX® Screwdrivers



⚡ 1000Volt

**325** TORX® Screwdriver, With Wiha-SoftFinish® Handle

Insulation According to ASTM F-1505, New VDE Specification 0682/part 201 and EN/IEC 60900, NFPA70E and CSA, ⚡ up to 1000 Volt. Individually Tested. Blade high alloy cvm steel, hardened, black finish. Insulation molded directly onto blade.

Item No.	Size	mm	Inch	mm	Inch	lbs.
32505	T5	60	2.4	164	6.5	.06
32511	T6	60	2.4	164	6.5	.06
32516	T7	60	2.4	164	6.5	.06
32521	T8	60	2.4	164	6.5	.06
32526	T9	60	2.4	164	6.5	.06
32531	T10	60	2.4	164	6.5	.06
32536	T15	80	3.0	191	7.5	.12
32541	T20	80	3.0	191	7.5	.12
32546	T25	80	3.0	198	7.8	.17
32551	T27	100	4.0	218	8.6	.20
32556	T30	100	4.0	218	8.6	.20
32561	T40	150	6.0	274	10.8	.30



⚡ 1000Volt

**32366** 6 Piece Insulated Hex Metric Screwdriver Set

Item No.	Hex Metric:	lbs.
32366	2.5, 3.0, 4.0, 5.0, 6.0, 8.0mm	1.06



⚡ 1000Volt

**32590** 6 Piece TORX® Set

Item No.	TORX:	lbs.
32590	T8, T9, T10, T15, T20, T25	.83



⚡ 1000Volt

**32592** 10 Piece TORX® Set

Item No.	TORX:	lbs.
32592	T6, T7, T8, T9, T10, T15, T20, T25, T27, T30	1.2



**Wiha Insulated Metric & Inch Nut Drivers**



**322** Metric Nut Drivers, With Wiha-SoftFinish® Handle Insulation According to ASTM F-1505, New VDE Specification 0682/part 201 and EN/IEC 60900, NFPA70E & CSA,  $\Delta$  up to 1000 Volt. Individually Tested. Blade CVM steel, hardened. Insulation molded directly onto blade. Deep drawn 1" socket. Wiha-SoftFinish® handle, multi-component.

Item No.					
No.	mm	mm	mm	Inch	lbs.
32206	4.0	125	236	9.3	.15
32209	5.0	125	236	9.3	.16
32212	5.5	125	236	9.3	.16
32215	6.0	125	236	9.3	.16
32218	7.0	125	243	9.6	.25
32221	8.0	125	243	9.6	.25
32224	9.0	125	243	9.6	.25
32227	10.0	125	243	9.6	.27
32230	11.0	125	243	9.6	.37
32233	12.0	125	243	9.6	.38
32236	13.0	125	243	9.6	.39
32238	14.0	125	243	9.6	.39
32239	15.0	125	243	9.6	.40
32240	16.0	125	243	9.6	.42
32241	17.0	125	243	9.6	.44

**322** Inch Nut Drivers, With Wiha-SoftFinish® Handle

Item No.					
No.	Inch	Inch	mm	Inch	lbs.
32255	5/32	5.0	236	9.3	.15
32258	3/16	5.0	236	9.3	.15
32261	7/32	5.0	236	9.3	.16
32264	1/4	5.0	243	9.6	.24
32267	5/16	5.0	243	9.6	.25
32268	11/32	5.0	242	9.6	.26
32270	3/8	5.0	243	9.6	.26
32273	7/16	5.0	243	9.6	.36
32276	1/2	5.0	243	9.6	.39
32278	9/16	5.0	243	9.6	.39
32280	5/8	5.0	243	9.6	.41



$\Delta$  1000Volt

**32296** 11 Pc. Nut Driver Set - Inch Sizes

Item No.	Inch:	
32296	5/32, 3/16, 7/32, 1/4, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16, 5/8"	3.00



$\Delta$  1000Volt

**32288** 9 Pc. Nut Driver Set - Inch Sizes

Item No.	Inch:	
32288	3/16, 1/4, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16, 5/8"	3.16



$\Delta$  1000Volt

**32291** 5 Pc. Nut Driver Set - Metric Sizes

Item No.	Metric:	
32291	6.0, 7.0, 8.0, 9.0, 10.0mm	1.36



$\Delta$  1000Volt

**32293** 7 Pc. Nut Driver Set - Metric Sizes

Item No.	Metric:	
32293	5.0, 5.5, 6.0, 7.0, 8.0, 10.0, 13.0mm	2.05



$\Delta$  1000Volt

**32292** 5 Pc. Nut Driver Set - Inch Sizes

Item No.	Inch:	
32292	7/32, 1/4, 5/16, 3/8, 1/2"	1.52



$\Delta$  1000Volt

**32294** 7 Pc. Nut Driver Set - Inch Sizes

Item No.	Inch:	
32294	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2"	2.24

## Wiha Insulated SlimLine Screwdrivers

### Insulation Test Standards:

Insulation according to EN/IEC 60900, ASTM F-1505, VDE 0682/part 201, DIN 7437, NFPA70E & CSA specification

Ideal for jobs where access is limited

Integrated Slim Insulation molded directly onto blade



**1000 Volt Rated**  
10,000 Volt Tested



**Wiha SlimTECHNOLOGY** Achieves blade diameters up to 33% narrower utilizing integrated insulation

←1.4"→



**1000Volt**

### 320 Insulated Slotted SlimLine

**Screwdrivers Insulation According to ASTM F-1505, New VDE Specification 0682/part 201 and EN/IEC 60900, NFPA70E & CSA, up to 1000 Volt. Individually Tested to 10,000Volts.** High quality CV steel, through hardened. SlimLine blades have up to 33% narrower insulation diameter than standard insulated tools. Wiha-SoftFinish® handle, multi-component, cushion grip.

Item No.	Size	mm	Inch	Slim Dia. mm	mm	lbs.
32046	3.5	9/64	3.5	100	204	.07
32049	4.0	5/32	4.0	100	211	.12
32052	4.5	3/16	4.5	125	211	.14
32055	5.5	7/32	5.5	125	243	.21
32058	6.5	1/4	6.5	150	268	.25

←1.4"→



**1000Volt**

### 321 Insulated Phillips SlimLine

**Screwdrivers Insulation According to ASTM F-1505, New VDE Specification 0682/part 201 and EN/IEC 60900, NFPA70E & CSA, up to 1000 Volt. Individually Tested to 10,000Volts.**

Item No.	Size	mm	Slim Dia. mm	mm	lbs.
32145	1	4.5	80	204	.12
32146	2	6.0	100	211	.21

←1.4"→



**1000Volt**

### 307 Insulated Xeno SlimLine Drivers

**For Terminal Screws Insulation According to ASTM F-1505, New VDE Specification 0682/part 201 and EN/IEC 60900, NFPA70E & CSA, up to 1000 Volt. Individually Tested to 10,000Volts.**

Item No.	Size	Slim Dia. mm	mm	mm	lbs.
30746	1	4.5	80	191	.12
30747	2	6.0	100	218	.21

←1.4"→



**1000Volt**

**358 Insulated Square SlimLine Drivers** Insulation According to ASTM F-1505, New VDE Specification 0682/part 201 and EN/IEC 60900, NFPA70E & CSA, up to 1000 Volt. Individually Tested to 10,000Volts.

Item No.	Size	Slim Dia. mm	mm	mm	lbs.
35844	1	4.0	100	218	.12
35845	2	4.5	125	243	.19

←1.4"→

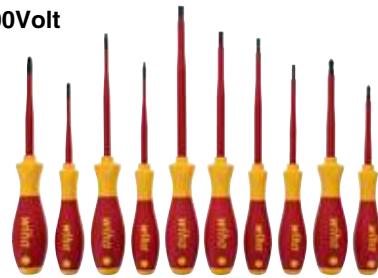


**1000Volt**

**325 Insulated Security TORX® SlimLine Drivers** Insulation According to ASTM, New VDE Specification 0682/part 201 and EN/IEC 60900, NFPA70E & CSA, up to 1000 Volt. Individually Tested to 10,000Volts.

Item No.	Size	Slim mm	mm	mm	lbs.
32512	T10s	100	204		.08
32513	T15s	100	211		.12
32514	T20s	100	211		.12
32515	T25s	125	243		.18
32517	T27s	125	243		.21
32518	T30s	125	243		.21
32519	T40s	150	268		.26

**1000Volt**

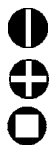


### 32198 11 Piece Insulated SlimLine Slotted, Phillips, Xeno & Square

**Screwdrivers. Insulation According to ASTM F-1505, New VDE Specification 0682/part 201 and EN/IEC 60900, NFPA70E & CSA, up to 1000 Volt. Individually Tested to 10,000Volts.**

Item No.	Slotted:	Phillips:	Xeno:
32198	3.5, 4.0, 4.5, 5.5, 6.5mm	#1, 2	#1, 2

lbs. 1.75



**1000Volt**

### 32197 8 Piece Insulated SlimLine

**Slotted, Phillips & Square Screwdrivers. Insulation According to ASTM F-1505, New VDE Specification 0682/part 201 and EN/IEC 60900, NFPA70E & CSA, up to 1000 Volt. Individually Tested to 10,000Volts.**

Item No.	Slotted:	Phillips:	Square:
32197	3.5, 4.0, 4.5, 5.5mm	#1, 2	#1, 2

lbs. 1.18



**1000Volt**

### 32195 7 Piece Insulated SlimLine

**Slotted & Phillips Screwdrivers. Insulation According to ASTM F-1505, New VDE Specification 0682/part 201 and EN/IEC 60900, NFPA70E & CSA, up to 1000 Volt. Individually Tested to 10,000Volts.**

Item No.	Slotted:	Phillips:
32195	3.5, 4.0, 4.5, 5.5, 6.5mm	#1, 2

lbs. 1.41



### Wiha Insulated SlimLine Screwdriver Sets



⚠️ 1000Volt

32196

6 Piece Insulated SlimLine

Slotted, Phillips & Square Screwdrivers. Insulation According to ASTM F-1505, New VDE Specification 0682/part 201 and EN/IEC 60900, NFPA70E & CSA, ⚠️ up to 1000 Volt. Individually Tested to 10,000Volts.

Item No.	↓ ⚡ Slotted: 4.5, 6.5mm	↩️ lbs.
32196	⊕ Phillips: #1, #2	1.15
	⊞ Square: #1, #2	



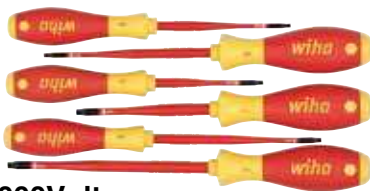
⚠️ 1000Volt

32194

5 Piece Insulated SlimLine

Slotted & Phillips Screwdrivers. Insulation According to ASTM F-1505, New VDE Specification 0682/part 201 and EN/IEC 60900, NFPA70E & CSA, ⚠️ up to 1000 Volt. Individually Tested to 10,000Volts.

Item No.	Slotted: 3.5, 4.5, 6.5mm	↩️ lbs. .98
32194	⊕ Phillips: #1, 2	



⚠️ 1000Volt

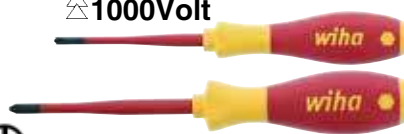
32596

6 Pc. Insulated SlimLine

Security TORX® Screwdrivers. Insulation According to ASTM F-1505, New VDE Specification 0682/part 201 and EN/IEC 60900, NFPA70E & CSA, ⚠️ up to 1000 Volt. Individually Tested to 10,000Volts.

Item No.	Security TORX®: T10s, T15s, T20s, T25s, T27s, T30s	↩️ lbs. 1.18
32596		

⚠️ 1000Volt



⊕ Slotted/Phillips

30770

2 Pc. Insulated SlimLine Terminal Block Xeno Slotted/Phillips Screwdrivers. Meets ASTM, VDE, EN/IEC, NFPA70E & CSA Specs, Tested to 10,000Volts. High quality CV steel, through hardened. SlimLine blades have up to 33% narrower insulation diameter then standard insulated tools.

Item No. ⊕ Xeno: #1x80mm  
30770 ⊕ Xeno: #2x100mm

↩️ lbs. .34



⚠️ 1000Volt

32189

2 Pc. Insulated SlimLine Slotted & Phillips Screwdrivers. Meets ASTM, VDE, EN/IEC, NFPA70E & CSA Specs, Individually Tested to 10,000Volts. High quality CV steel, through hardened. SlimLine blades have up to 33% narrower insulation diameter then standard insulated tools.

Item No. ↓ ⚡ Slotted: 4.5x125mm  
32189 ⊕ Phillips: #2x100mm

↩️ lbs. .37

⚠️ 1000Volt



32079

30 Pc. Insulated SlimLine Slotted & Phillips Screwdriver Display. Meets ASTM, VDE, EN/IEC, NFPA70E & CSA Specs, Tested to 10,000Volts. SlimLine blades have up to 33% narrower insulation diameter then standard insulated tools. High quality CV steel, through hardened.

Item 6 of each:  
No. ⚡ Slotted: 3.5, 4.5, 5.5mm  
32079 ⊕ Phillips: #1, #2

### Insulated PicoFinish Precision Screwdrivers



⚠️ 1000Volt

320

Insulated Slotted PicoFinish

Screwdrivers. Individually Tested Protective Insulation 1000Volt AC, VDE & GS Tested.

Item No.	⚡ mm	⚡ Inch	↔️ mm	↔️ mm	↩️ lbs.
32000	1.5	.06	40	154	.05
32001	2.0	.08	40	154	.07
32002	2.5	.10	60	160	.07
32003	3.0	.12	60	160	.08
32004	3.5	.14	60	160	.08



⚠️ 1000Volt

321

Insulated Phillips PicoFinish

Screwdrivers. Individually Tested Protective Insulation 1000Volt AC, VDE & GS Tested.

Item No.	⊕ Size	⊕ mm	↔️ mm	↩️ lbs.
32106	00	40	154	.05
32107	0	60	160	.07
32108	1	60	160	.08



⚠️ 1000Volt

32088

8 Piece Slotted & Phillips

PicoFinish Set High quality CV steel, through hardened, black finish

Item No.	Slotted: 1.5, 2.0, 2.5, 3.0, 3.5	↩️ lbs. .35
32088	⊕ Phillips: #00, #0, #1	

Individually Tested Protective Insulation 1000Volt AC, VDE & GS Tested



Rotating cap for precise turning and control with fingertip

32085

5 Piece Slotted & Phillips

PicoFinish Set High quality CV steel, through hardened, black finish

Item No.	Slotted: 1.5, 2.5, 3.5	↩️ lbs. .26
32085	⊕ Phillips: #0, #1	

## Wiha Insulated SlimLine Blades

### Insulation Test Standards:

Insulation according to EN/IEC 60900, ASTM F-1505, VDE 0682/part 201, DIN 7437, NFPA70E & CSA specification

Integrated Slim Insulation molded directly onto blade

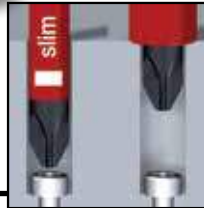
Insulation does not exceed screw head diameter

### Wiha SlimTECHNOLOGY

Achieves blade diameters up to 33% narrower utilizing integrated insulation

**1000 Volt Rated**  
10,000 Volt Tested

High quality CV steel, through-hardened



### 283 Insulated Slotted SlimLine Blades

SlimLine blades have up to 33% narrower insulation diameter than standard insulated tools.

Item No.	mm	Inch	Slim Dia.	Max Dia.	Inch/ lbs.	lbs.
28307	2.5	3/32	4.0	0.4	3.5	.02
28308	3.0	1/8	4.0	0.6	5.3	.02
28310	3.5	9/64	4.0	2.5	22.1	.02
28309	4.0	5/32	4.0	2.5	22.1	.02
28312	5.5	7/32	6.0	3.8	33.6	.02
28315	6.5	1/4	6.0	5.5	48.6	.02



### 283 Insulated Phillips SlimLine Blades

SlimLine blades have up to 33% narrower insulation diameter than standard insulated tools.

Item No.	Size	Slim Dia.	Max Dia.	Inch/ lbs.	lbs.
28317	1	4.0	3.8	33.7	.02
28319	2	6.0	5.5	48.8	.02



### 28348 12 Piece Insulated SlimLine Blade Set With Belt Holder

Up to 33% narrower insulation diameter than standard insulated tools. SlimLine blade holder holds 12 SlimLine blades.

Item No.	Slotted:	Phillips:	Hex:	TORX®:	Square:
28348	4.0, 5.5mm	#1, #2	2.5, 3.0, 4.0mm	T15, T20, T25	#1, #2
lbs.					
.42					



### 283 Insulated Pozidriv SlimLine Blades

SlimLine blades have up to 33% narrower insulation diameter than standard insulated tools.

Item No.	Size	Slim Dia.	Max Dia.	Inch/ lbs.	lbs.
28330	1	4.0	3.8	33.7	.02
28331	2	6.0	5.5	48.8	.02



### 283 Insulated Xeno Slotted/Pozidriv SlimLine Blades

Up to 33% narrower insulation diameter than standard insulated tools.

Item No.	Size	Slim Dia.	Max Dia.	Inch/ lbs.	lbs.
28320	1	4.0	3.8	33.6	.02
28321	2	6.0	5.5	48.7	.02



### 283 Insulated Xeno Slotted/Phillips SlimLine Blades

Up to 33% narrower insulation diameter than standard insulated tools.

Item No.	Size	Slim Dia.	Max Dia.	Inch/ lbs.	lbs.
28327	1	4.0	3.8	33.6	.02
28329	2	6.0	5.5	48.7	.02



### 283 Insulated Square SlimLine Blades

Up to 33% narrower insulation diameter than standard insulated tools.

Item No.	Size	Slim Dia.	Max Dia.	Inch/ lbs.	lbs.
28346	1	4.0	3.8	33.6	.02
28347	2	6.0	5.5	48.7	.02



### 283 Insulated TORX SlimLine Blades

Up to 33% narrower insulation diameter than standard insulated tools.

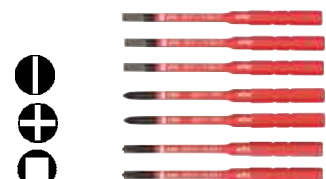
Item No.	Size	Slim Dia.	Max Dia.	Inch/ lbs.	lbs.
28325	T6	4.0	.6	5.31	.02
28326	T7	4.0	.9	7.9	.02
28339	T8	4.0	1.3	11.5	.02
28344	T9	4.0	1.3	11.5	.02
28340	T10	4.0	3.8	33.6	.02
28341	T15	6.0	5.5	48.7	.02
28342	T20	6.0	5.5	48.7	.02
28343	T25	6.0	5.5	48.7	.02



### 283 Insulated Hex Metric SlimLine Blades

Up to 33% narrower insulation diameter than standard insulated tools.

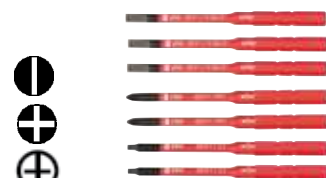
Item No.	Size	Slim Dia.	Max Dia.	Inch/ lbs.	lbs.
28332	1.5	4.0	0.9	7.9	.02
28333	2.0	4.0	1.8	15.9	.02
28334	2.5	4.0	3.8	33.6	.02
28335	3.0	4.0	5.5	48.7	.02
28336	4.0	6.0	5.5	48.7	.02
28337	5.0	6.0	5.5	48.7	.02
28338	6.0	6.0	5.5	48.7	.02



### 28372 7 Piece SlimLine Blade Set

High quality CV steel, through hardened, black finish.

Item No.	Slotted:	Phillips:	Square:
28372	2.5, 3.5, 5.5mm	#1, #2	#1, #2
lbs.			
.14			



### 28373 7 Piece SlimLine Blade Set

High quality CV steel, through hardened, black finish.

Item No.	Slotted:	Phillips:	Xeno Sit/Ph:
28373	2.5, 3.5, 5.5mm	#1, #2	#1, #2
lbs.			
.14			

**Wiha PicoFinish® SlimLine Blade Holder**



**1000Volt**

**28303** Insulated SlimLine PicoFinish® SlimLine Blade Holder. Individually Tested Protective Insulation 1000Volt AC, VDE & GS Tested. Holds SlimLine Blades

Item	OAL	OAL	↔	↔	↔
No.	Inch	mm	Inch	lbs.	pkg.
28303	1/4	103	4.0	.08	1



**28397** 4-piece SlimLine Blade Set With PichoFinish® Handle. Individually Tested Protective Insulation 1000Volt AC, VDE & GS Tested. Blades High quality CV steel, through hardened, black finish.

Item No.	Slotted: 3.5mm	↔
28397	Phillips: #2	lbs.
	Square: #2	.14



**Wiha SlimLine Sets**

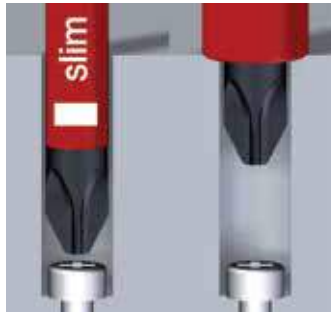


**1000Volt**

**28328** 4-piece SlimLine Blade Set With SoftFinish® Handle. Individually Tested Protective Insulation 1000Volt AC, VDE & GS Tested. Blades High quality CV steel, through hardened, black finish.

Item	Slotted: 3.5mm	↔
No.	Phillips: #2	lbs.
28328	Square: #2	.14

**Wiha Slim TECHNOLOGY**  
Achieves blade diameters up to 33% narrower utilizing Wiha integrated insulation



**Wiha Cushion Grip SlimLine Blade Holder**



**1000Volt**

**28301** SlimLine Blade Holder, With Wiha-SoftFinish® Handle Insulation According to VDE, ASTM F-1505 and EN/IEC 60900, NFPA70E & CSA, **up to 1000 Volt.** CV steel, through-hardened. Insulation molded directly onto blade. Blade holder, holds blades securely. Wiha-SoftFinish® handle, multi-component, cushion grip.

Item	↔	↔	↔	↔	↔	
No.	Size	mm	Inch	mm	Inch	lbs.
28301	1/4"	50	2.0	160	6.3	.15



**1000Volt**

**28304** SlimLine Blade Holder, With Wiha-SoftFinish® Handle. Insulation According to VDE, ASTM, EN/IEC, NFPA70E & CSA, **up to 1000 Volt.** Wiha-SoftFinish® handle, multi-component, cushion grip.

Item	↔	↔	↔	↔	
No.	Size	mm	Inch	lbs.	pkg.
28304	1/4"	114	4.5	.21	1



**1000Volt**

**28302** SlimLine Stubby Blade Holder, With Wiha-SoftFinish® Handle. Insulation According to VDE, ASTM, EN/IEC, NFPA70E & CSA, **up to 1000 Volt.** Wiha-SoftFinish® handle, multi-component, cushion grip.

Item	↔	↔	↔	↔	
No.	Size	mm	Inch	lbs.	pkg.
28302	1/4"	57	2.2	.11	1

**Wiha SlimLine Adapters**



**1000Volt**

**28316** Insulated SlimLine Blade Extension For SlimLine Blade Holders

Item	OAL	OAL	↔	↔
No.	Inch	mm	Inch	lbs.
28316	1/4	70	2.8	.06



**1000Volt**

**28311** Insulated SlimLine 1/4" Socket Adapter For SlimLine Blade Holders

Item	OAL	OAL	↔	↔
No.	Inch	mm	Inch	lbs.
28311	1/4	60	2.4	.08

## Wiha Insulated SlimLine Blade Sets

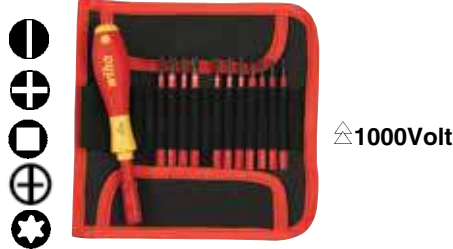


⚡1000Volt



**28391 8 Piece Insulated SlimLine Blade Set** High quality CV steel, through hardened. Cushion grip. Friction hold blade holder, holds blades securely. Up to 33% narrower insulation diameter than standard insulated tools. In roll up pouch

<b>Item No.</b>	<b>Slotted:</b> 4.0, 6.5
<b>28391</b>	<b>Phillips:</b> #1, #2
	<b>Xeno SL/PH:</b> #2
lbs. .45	<b>TORX:</b> T15, T20
	28301 - SlimLine Blade Holder



⚡1000Volt



**28392 12 Piece Insulated SlimLine Blade Set** High quality CV steel, through hardened. Cushion grip. Friction hold blade holder, holds blades securely. SlimLine blades have up to 33% narrower insulation diameter than standard insulated tools. In roll up pouch

<b>Item No.</b>	<b>Slotted:</b> 3.0, 5.5mm
<b>28392</b>	<b>Phillips:</b> #2
	<b>Xeno SL/PH:</b> #1, #2
lbs. .52	<b>Square:</b> #1, #2
	<b>TORX:</b> T8, T10, T15, T20
	28301 - SlimLine Blade Holder



⚡1000Volt

**28398 19 Piece Insulated SlimLine Blade Set** High quality CV steel, through hardened. Cushion grip. Friction hold blade holder, holds blades securely.

<b>Item No.</b>	<b>Slotted:</b> 3.0, 4.0, 5.5mm
<b>28398</b>	<b>Phillips:</b> #1, #2
	<b>Xeno SL/PH:</b> #1, #2
lbs. .64	<b>Xeno SL/PZ:</b> #1, 2
	<b>TORX:</b> T8, T10, T15, T20
	<b>Square:</b> #1, 2
	<b>Hex Metric:</b> 3.0, 4.0, 5.0mm
	28301 - SlimLine Blade Holder



⚡1000Volt



**28399 30 Piece Insulated SlimLine Blade Set** High quality CV steel, through hardened. Friction hold blade holder, holds blades securely. In folding wallet

<b>Item No.</b>	<b>Slotted:</b> 2.5, 3.0, 3.5, 4.0, 5.5, 6.5mm
<b>28399</b>	<b>Phillips:</b> #1, #2
	<b>Pozidriv®:</b> #1, #2
lbs. 1.20	<b>Xeno SL/PH:</b> #1, #2
	<b>Xeno SL/PZ:</b> #1, #2
	<b>TORX:</b> T8, T9, T10, T15, T20, T25
	<b>Square:</b> #1, #2
	<b>Hex Metric:</b> 1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0mm
	28301 - SlimLine Blade Holder



⚡1000Volt



**28390 15 Piece Insulated SlimLine Blade Set** High quality CV steel, through hardened. Cushion grip. Friction hold blade holder, holds blades securely. Up to 33% narrower insulation diameter than standard insulated tools. In roll up pouch

<b>Item No.</b>	<b>Slotted:</b> 3.0, 4.0, 5.5, 6.5
<b>28390</b>	<b>Phillips:</b> #1, #2
	<b>Xeno SL/PH:</b> #1, #2
lbs. .56	<b>TORX:</b> T8, T10, T15, T20
	<b>Square:</b> #1, #2
	28301 - SlimLine Blade Holder

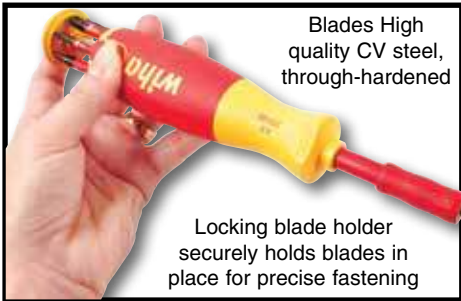
⚡1000Volt



**28396 20 Piece Insulated SlimLine Blade Set** High quality CV steel, through hardened. Friction hold, stubby cushion grip handle. In zipper case.

<b>Item No.</b>	<b>Slotted:</b> 3.0, 3.5, 4.0, 5.5mm
<b>28396</b>	<b>Phillips:</b> #1, #2
	<b>Xeno SL/PH:</b> #1, #2
lbs. .85	<b>Xeno SL/PZ:</b> #1, #2
	<b>TORX:</b> T8, T10, T15, T20
	<b>Square:</b> #1, #2
	<b>Hex Metric:</b> 3.0, 4.0, 5.0mm
	SlimLine Stubby Blade Holder

**Wiha Insulated Pop-Up SlimLine Sets**



Blades High quality CV steel, through-hardened

Locking blade holder securely holds blades in place for precise fastening

**1000Volt Rated**  
10,000 Volt Tested

Certified to VDE, EN ISO, BS EN, ASME specifications



“Apprentice”



**28393 Insulated Pop-Up “Apprentice” Blade Holder Set With SlimLine Blades**

Insulated cushion grip multi-component handle. Locking bit holder holds SlimLine Blades securely. Convenient rotating cap.

**28393 Set includes the following blades:**

↓ ● Slotted: 3.0, 4.0, 5.5, 6.5mm

⊕ Phillips: #1, #2

↔ lbs. .38



Each SlimLine bit can be taken in and out of the holder easily and conveniently



1000Volt

“MRO”



**28395 Insulated Pop-Up “MRO” Blade Holder Set With SlimLine Blades**

**28395 Set includes the following blades:**

↓ ● Slotted: 3.0, 4.0mm

⊕ Phillips: #1, #2

⊕ Terminal Xeno: #1, #2

↔ lbs. .38

SlimLine Handles Hold SlimLine Blades

33% Narrower Insulation Diameter



Slim Diameter



1000Volt

“Residential”



**28394 Insulated Pop-Up “Residential” Blade Holder Set With SlimLine Blades**

**28394 Set includes the following blades:**

↓ ● Slotted: 3.0, 4.0mm

⊕ Phillips: #1, #2

⊖ Square: #1, #2

↔ lbs. .38

**E-SCREWDRIVER speedE®-II ELECTRIC**  
**speedE that works for you**



**Packaging**  
H 2-5/8”  
W 10-1/4”  
L 6-1/8”



**32490 13 Pc. speedE-II Electric Screwdriver With SlimLine Blades**

Certified to EN ISO, BS EN, ASME. Set includes speedE electric 0.4 - 1.0 Nm handle, 8 Insulated SlimLine blades, 2 Li-Ion rechargeable batteries & wall plug adapter/charger.

Item No.	speedE Screwdriver: Handle Range 0.4 Nm - 1.0Nm
	<b>Insulated SlimLine Blades Include:</b>
<b>32490</b>	<b>SlimLine Slotted:</b> 3.5, 5.5mm
↔	<b>SlimLine Phillips:</b> #1, #2
lbs.	<b>SlimLine Square:</b> #1, #2
2.14	<b>SlimLine Terminal Xeno SI/Ph:</b> #1, #2

\*speedE electric screwdriver is only insulated when used with Wiha SlimLine blades

**Wiha Insulated Easy TorqueControl Adapters**

Add more torque to your speedE with Easy TorqueControl adapters



**283 Insulated Easy-TorqueControl**

**Adapters** Ideal for torque sensitive terminations. For use with SlimLine blades. Repeatable accuracy to +/- 10%

Item No.	Nm	ln/lbs	OAL mm	OAL Inch	↔ lbs.
<b>28366</b>	0.8	7.0	60	2.38	.13
<b>28367</b>	2.0	17.7	60	2.38	.13
<b>28368</b>	2.5	23.1	60	2.38	.13
<b>28369</b>	2.8	24.7	60	2.38	.13
<b>28371</b>	4.0	35.4	60	2.38	.13

## Wiha Insulated TorqueControl Tools



### 28789 11 Pc. Insulated TorqueControl Set With SlimLine Blades

Certified to EN ISO, BS EN, ASME. Set includes Insulated multi-component adjustable TorqueVario-S 10-50 In/lbs. handle, 8 SlimLine blades, SlimLine blade holder & Torque adjustment tool.

<b>Item</b>	<b>Slotted:</b> 4.0, 6.5mm
<b>No.</b>	<b>Phillips:</b> #1, 2
<b>28789</b>	<b>Square:</b> #1, 2
	<b>Terminal Xeno SI/Pz:</b> #1, 2
lbs.	Torque Handle Range 10-50 In/lbs.
1.32	SlimLine Blade Holder 6.75" OAL

With Certificate of Calibration



### 28781 20 Piece Insulated TorqueControl Set With SlimLine Blades

Certified to EN ISO 6789, BS EN 26789, ASME B107.14M. Set includes Insulated multi-component adjustable TorqueVario-S handle, SoftFinish® SlimLine blade handle, PicoFinish® SlimLine blade handle, 15 SlimLine blades, SlimLine blade holder & Torque adjustment tool.

<b>Item</b>	<b>Slotted:</b> 2.5, 3.5, 4.0, 6.5mm
<b>No.</b>	<b>Phillips:</b> #1, 2 (qty. 2 of #2)
<b>28781</b>	<b>Terminal Xeno SI/Ph:</b> #1, 2
	<b>TORX:</b> T10, T15, T20, T25
lbs.	<b>Square:</b> #1, 2
1.61	Handle Range 10-50 In/lbs.
	SlimLine SoftFinish® Blade Handle
	PicoFinish® SlimLine Handle
	SlimLine Blade Holder 6.75" OAL

Includes Certificate



⚠️1000Volt

\*Requires SlimLine blade holder #28350

### 287 Insulated TorqueVario-S, With Window Scale Insulation ⚠️ up to 1000Volt.

EN/IEC 60900 EN ISO 6789, BS EN 26789, ASME B107.14M & CSA, +/- 6% Accuracy.

Ergonomic multi-component handle, light & compact. Handle sizes proportioned to optimize torque range. Audible & perceptible click when torque setting has been attained.

Item No.	Range	Inch lbs.	Increments	mm	lbs.
<b>28724</b>	5 - 18	.5 In/lbs	126-131	.43	
<b>28726</b>	10 - 50	2 In/lbs	133-138	.40	
<b>28727</b>	18 - 62	2 In/lbs	137-142	.69	

### 287 Insulated TorqueVario-S Handle - In Newton Meter Scale

Item No.	Range	Nm	mm	lbs.
<b>28734</b>	0.5 - 2.0	131	.45	
<b>28736</b>	0.8 - 5.0	138	.45	
<b>28738</b>	2.0 - 7.0	142	.72	

Each TorqueVario handle has unique serial number & certificate of calibration



⚠️1000Volt

**28350 Insulated SlimLine Torque Blade Holder** Chrome-vanadium-molybdenum steel. Through hardened black finish. ClicFix quick release holder securely locks bits.

Item No.	OAL	OAL	Inch	lbs.
<b>28350</b>	6.0	170	6.75	.06



⚠️1000Volt

**28700 Insulated SlimLine Socket Adapter** Chrome-vanadium-molybdenum steel.

Item No.	OAL	OAL	Inch	lbs.
<b>28700</b>	6.0	180	7.1	.08



\* Includes Certificate

\* Includes SlimLine blade holder #28350

\* Requires SlimLine Blades

⚠️1000Volt



### 287 Insulated TorqueVario-S, With Window Scale Insulation ⚠️ up to 1000Volt

EN/IEC, EN ISO, BS EN, ASME & CSA, +/- 6% Accuracy. Ergonomic multi-component handle, light & compact. Handle sizes proportioned to optimize torque range. Audible & perceptible click when torque setting has been attained. In Plastic Tube Holder

Item No.	Range	Inch lbs.	Increments	mm	lbs.
<b>28750</b>	5 - 18	.5 In/lbs	126-131	.56	
<b>28751</b>	10 - 50	2 In/lbs	133-138	.74	
<b>28752</b>	18 - 62	2 In/lbs	137-142	.84	

### 287 Insulated TorqueVario-S Handle - In Newton Meter Scale

Item No.	Range	Nm	mm	lbs.
<b>28740</b>	0.5 - 2.0	131	.64	
<b>28741</b>	0.8 - 5.0	138	.56	
<b>28742</b>	2.0 - 7.0	142	.84	

Each TorqueVario handle has unique serial number & certificate of calibration

## Wiha Insulated Easy TorqueControl Adapters

Meets VDE, EN/IEC, ASTM, CSA, NFPA specifications



⚠️1000Volt

### 283 Insulated Easy-TorqueControl Adapters

Ideal for torque sensitive terminations. For use with SlimLine blades. Repeatable accuracy to +/- 10%

Item No.	Nm	In/lbs	OAL	OAL	Inch	lbs.
<b>28366</b>	0.8	7.0	60	2.38	.13	
<b>28367</b>	2.0	17.7	60	2.38	.13	
<b>28368</b>	2.5	23.1	60	2.38	.13	
<b>28369</b>	2.8	24.7	60	2.38	.13	
<b>28371</b>	4.0	35.4	60	2.38	.13	



### Wiha Insulated TorqueControl & SlimLine Tool Sets



In Roll-up Pouch

With Certificate of Calibration

⚡ 1000Volt

Certified to EN ISO 6789, BS EN 26789, ASME B107.14M Specifications



**28791 8 Piece Insulated TorqueControl Set With Slotted & Phillips SlimLine Blades**

Set includes Insulated multi-component adjustable TorqueVario-S handle, 5 SlimLine blades, SlimLine blade holder & Torque adjustment tool.

**Item No. Slotted:** 3.0, 4.0, 5.5mm

**28791 Phillips:** #1, 2

28726-Handle Range 10-50 Inch/lbs.

↔ lbs. .87

In Roll-up Pouch



⚡ 1000Volt

**28792 16 Piece Insulated TorqueControl Set With SlimLine Blades**

Certified to EN ISO 6789, BS EN 26789, ASME B107.14M. Set includes Insulated multi-component adjustable TorqueVario-S handle, 13 SlimLine blades, SlimLine blade holder & Torque adjustment tool.

**Item No.**

**28792 SlimLine Slotted:** 4.0, 5.5, 6.5mm

**SlimLine Phillips:** #1, 2

**SlimLine Terminal Xeno:** #1, 2

**SlimLine TORX®:** T8, T10, T15, T20

**SlimLine Square:** #1, 2

28727 - Handle Range 18-62 Inch/lbs.

SlimLine Blade Holder

↔ lbs. 1.27

With Certificate of Calibration



⚡ 1000Volt

**28795 12 Pc. Insulated TorqueControl Set With SlimLine Blades**

Certified to EN ISO, BS EN, ASME. Set includes Insulated multi-component adjustable TorqueVario-S Nm handle, SlimLine Blade Holder Handle, 8 SlimLine blades, SlimLine blade holder & Torque adjustment tool.

**Item No.**

**28795 SlimLine Slotted:** 4.0, 5.5, 6.5mm

**SlimLine Phillips:** #1, 2

**SlimLine Pozidriv®:** #1, 2

**SlimLine Terminal Xeno SI/Pz:** #2

28736 - Handle Range 0.8 - 5.0 Nm

SlimLine Blade Holder Handle

SlimLine Blade Holder

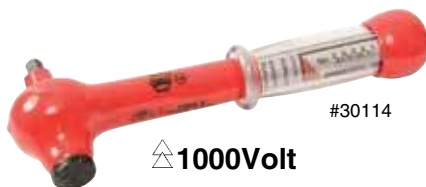
↔ lbs. 1.32

With Certificate of Calibration

### Wiha Insulated Torque Ratchet Wrench Sets



#30138



#30114

⚡ 1000Volt

**301 Insulated Torque Ratchet Wrenches, 1/4, 3/8, 1/2" Drives Insulated to EN/IEC 60900:2004, ASTM F1505, CSA Standards**

Visible reading scale for easy reading and adjustment. Locking endcap Torque adjuster for easy adjustment. Accuracy +/- 10%. Dual scale reading Ft. lbs. / Nm.

Item No.	Inch	OAL mm	OAL Inch	Nm	↔ lbs.
30114	1/4"	210	8.25	5-25	1.02
30138	3/8"	370	14.5	5-50	2.72
30152	1/2"	530	21.0	40-220	3.64



⚡ 1000Volt

**30190 16 Pc. Insulated 3/8" Drive Ratcheting Torque Wrench & Socket Set - 1/2" CV steel, forged, oil-hardened sockets. Insulated to EN/IEC 60900.**

**Item No. Inch 3/8" Drive Sockets:**

30190	1/4, 9/32, 5/16, 11/32, 3/8, 7/16
↔ lbs.	1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8"
8.80	3/8" x 125mm Extension Bar
	3/8" x 250mm Extension Bar
	3/8" Drive Ratcheting Torque Wrench - 5-50 Nm

\*Sockets must be used with insulated ratchets & extensions



⚡ 1000Volt

**30192 16 Pc. Insulated 3/8" Drive Ratcheting Torque Wrench & Socket Set - Metric CV steel, forged, oil-hardened sockets. Insulated to EN/IEC 60900.**

**Item No. Metric 3/8" Drive Sockets:**

30192	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20mm
↔ lbs.	3/8" x 125mm Extension Bar
8.80	3/8" x 250mm Extension Bar
	3/8" Drive Ratcheting Torque Wrench - 5-50 Nm

\*Sockets must be used with insulated ratchets & extensions

## Wiha Insulated Pop-Up Insert Bit Sets

Certified to VDE, EN ISO, BS EN, ASME specifications

Convenient rotating cap



Friction hold bit holder securely holds bits in place

Blades High quality CV steel, through-hardened



**1000Volt Rated**  
10,000 Volt Tested



**1000Volt**

### 38050 Insulated Pop-Up Bit Holder Set With 1/4" Insert Bits

Insulated cushion grip multi-component handle. Bit holder holds 1/4" Insert bits. Convenient rotating cap.

**Item Set includes the following bits:**

No.	↓	↑	Slotted: 4.5, 5.5, 6.0mm
38050	+		Phillips: #0, 1, 2, 3
	□		Square: #1, 2, 3
	+		Pozidriv®: #1, 2, 3
			lbs. .46



**1000Volt**

### 38051 Insulated Pop-Up Bit Holder Set With 1/4" Insert Bits

Insulated cushion grip multi-component handle. Bit holder holds 1/4" Insert bits. Convenient rotating cap.

**Item Set includes the following bits:**

No.	↓	↑	Slotted: 4.5, 5.5, 6.0mm
38051	+		Phillips: #0, 1, 2, 3
	□		Square: #1, 2, 3
	+		TORX®: T15, T20, T25
			lbs. .46

## Insulated Folding Ruler

Meets VDE, EN/IEC, ASTM, CSA, NFPA standards



With Wire Puller Slot



### 61630 Insulated Inch & Metric Folding Ruler

10,000Volt Tested/1000Volt Rated. Inch & Metric deep embossed scales. 10 folding sections. 30% fiberglass reinforced polyimide.

Item No.	Meter	Inch	Sections	Increments	lbs.
61630	2	78"	10	1/16 & 1mm	.31

## Protturn Insulated Electrician's Shears

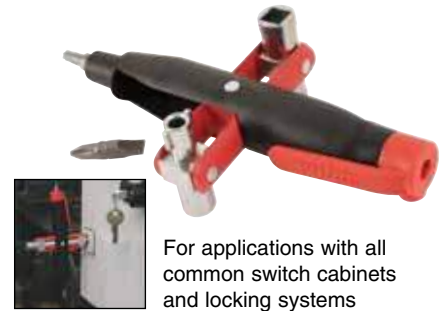


**32951 Protturn Insulated Electrician's Shears.** Insulation meets VDE, ASTM F1505, EN/IEC 60900, CSA, NFPA 70E, OSHA Specifications.

Made from stainless 420 grade steel

Item No.	mm	Inch	lbs.
32951	160	6.3	.22

## Pen Style Control Cabinet Key



For applications with all common switch cabinets and locking systems

### 21105 Pen Style Control Cabinet Key

Diecast Zinc, polished finish. Includes: Square 5, 6, 7, 8mm, Triangular 9mm, Double Bit Key 5mm/Internal & 9mm/External, Universal 1/4" Bit Adapter, Magnetic Bit Holder & 2 Double Insert Bits: Slotted 7mm & Phillips #2, TORX T20/T25

Item No.	mm	Inch	lbs.
21105	140	5.5"	.30

## Switch Cabinet Key



**21103 Switch Cabinet Keys** For applications with all common switch cabinets and locking systems. Diecast Zinc. Bit insert Slotted 7.0mm & Phillips #2. Adapter for 1/4" bits on securing chain and 1/4" bit adapter in one arm.

Item No.	mm	Inch	lbs.
21103	76	3.0"	.22

## Insulated Stripping Pliers



**1000Volt**

**10250 Insulated Stripping Pliers.** Insulation According to EN/IEC 60900, DIN ISO 8976, ASTM F-1505 & CSA Specification. Individually Tested. Wide long head with ridged gripping surface, shears blade and firm wire stripping stations. Wire stripping stations 0.81 / 1.0 / 1.3 / 1.6 / 2.0 / 2.59mm, AWG 20 / 18 / 16 / 14 / 12 / 10.

Item No.	mm	Inch	Ø	AWG	lbs.
10250	160	6.3"	0.81-2.59	20-10	.26

### Insulated Foam Tray Sets



Medium Tray Size: 15-1/4" x 11" x 1-1/4"  
Small Tray Size: 11" x 7-3/4" x 1-1/4"



#### 32081 5-Piece Insulated SoftFinish® Cushion Grip Screwdriver Tray Set

Designed with an ergonomic SoftFinish® cushion grip for maximum power and comfort.

Item No. Slotted: 4.5, 5.5, 6.5mm

32081 Phillips: #1, #2



#### 32080 10-Piece Insulated SoftFinish® Cushion Grip Screwdriver Tray Set

Designed with an ergonomic SoftFinish® cushion grip for maximum power and comfort.

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

No. Phillips: #1, #2, #3

32080 Square: #1, #2



#### 32960 3-Piece Insulated Pliers and Cutters Tray Set

Patented pliers DynamicJoint® provides 40% easier cuts and significantly longer tool life.

Item Long Nose: 8.0" | 200mm

No. Angled Cutters: 8.0" | 200mm

32960 NE Style Lineman's: 9.5" | 245mm



#### WARNING!

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.

#### Notes:

Blank lined area for notes.

## For your safety, use tools marked:



**ASTM F1505**  
> Meets Specifications

**GOOD**



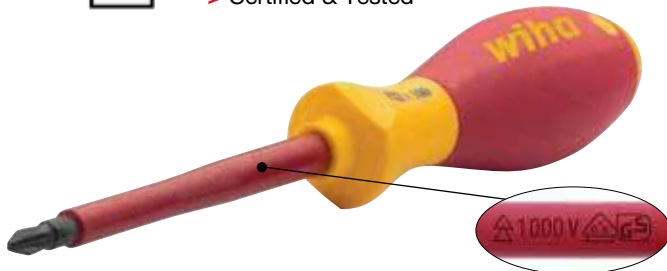
**IEC 60900**  
> Meets Specifications

**BETTER**



**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



### WARNING!

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.

## Insulated Pliers/Cutters Tool Set



**32968**

**3 Piece Insulated Industrial Pliers/Cutters Set.**

Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E & CSA, up to 1000 volt. Individually Tested. Long term cutting is achieved through additional inductive hardening to approx. 64HRC. C70 special tool steel hardened and tempered to high quality. Cushion Grip Insulated handles. In Clamshell

- Item# 32968 Set Includes:** lbs. 2.35
- 9.5" Insulated Industrial NE Style Lineman's Pliers
  - 8.0" Insulated Industrial Long Nose Pliers
  - 8.0" Insulated Industrial Heavy Duty Diagonal Cutters

## Apprentice Tool Set



**32934**

**16 Piece Insulated Apprentice Tool Set. Insulation**

According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E & CSA, up to 1000 volt. Individually Tested. Long term cutting is achieved through additional inductive hardening to approx. 64HRC. C70 special tool steel hardened and tempered to high quality. Cushion Grip Insulated handles. In electrician's belt pack.

- Item# 32934 Set Includes:** lbs. 8.42
- 9.5" Insulated Industrial NE Style Lineman's Pliers
  - 8.0" Insulated Industrial Long Nose Pliers
  - 8.0" Insulated Industrial Heavy Duty Diagonal Cutters

### Insulated SoftFinish® Screwdrivers:

**Slotted:** 4.5, 6.5mm | **Phillips:** #1, #2 | **Square:** #2

### Insulated PicoFinish® Precision Screwdrivers:

**Slotted:** 2.5, 3.0, 3.5mm | **Phillips:** #0

7.25" Wire Stripping Pliers 10-20 AWG


25 Ft. Tape Measure, 20 oz. Claw Hammer, 9" Torpedo Level


**Journeyman's Tool Set**



**Master Technician's Tool Set**



**32935 30 Piece Insulated Journeyman's Tool Set. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E & CSA,  up to 1000 volt. Individually Tested.**  
 Long term cutting is achieved through additional inductive hardening to approx. 64HRC. C70 special tool steel hardened and tempered to high quality. Cushion Grip Insulated handles. In canvas tool bag.

**Item# 32935 Set Includes:**  lbs. 14.88


9.5" Insulated Industrial NE Style Lineman's Pliers  
 8.0" Insulated Industrial Long Nose Pliers  
 8.0" Insulated Industrial Heavy Duty Diagonal Cutters  
 8.0" Insulated Industrial Cable Cutters  
 10.0" Insulated Water Pump Pliers


**Insulated SoftFinish® Screwdrivers:**  
**Slotted:** 4.0, 4.5, 6.5mm | **Phillips:** #1, #2 | **Square:** #1, #2  
**Nut Drivers Inch:** 1/4, 5/16, 3/8"

**Insulated PicoFinish® Precision Screwdrivers:**  
**Slotted:** 2.5, 3.0, 3.5mm | **Phillips:** #0, #1

**Extra Heavy Duty SoftFinish® Screwdriver:** Slotted 8.0mm  
**Nut Setters:** 1/4, 5/16, 3/8"

10.0" Auto Water Pump Pliers  
 7.25" Wire Stripping Pliers 10-20 AWG  
 25 Ft. Tape Measure, 20 oz. Claw Hammer, 9" Torpedo Level  
 5.75" Cat. IV Voltage Detector 50-1000 Volts

**32937 59 Piece Insulated Master Electrician's Tool Set. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E & CSA,  up to 1000 volt. Individually Tested.**  
 Long term cutting is achieved through additional inductive hardening to approx. 64HRC. C70 special tool steel hardened and tempered to high quality. Cushion Grip Insulated handles. In canvas tool bag.

**Item# 32937 Set Includes:**  lbs. 18.45

9.5" Insulated Industrial NE Style Lineman's Pliers  
 8.0" Insulated Industrial Long Nose Pliers  
 8.0" Insulated Industrial Heavy Duty Diagonal Cutters  
 8.0" Insulated Industrial Cable Cutters  
 10.0" Insulated Water Pump Pliers

**Insulated SoftFinish® Screwdrivers:**  
**Slotted:** 4.0, 4.5, 5.5, 6.5mm | **Phillips:** #1, #2  
**Square:** #1, #2 | **Terminal Xeno Sit/Ph:** #1, #2  
**Nut Drivers Inch:** 7/32, 1/4, 5/16, 3/8, 7/16, 1/2"

**Insulated PicoFinish® Precision Screwdrivers:**  
**Slotted:** 2.5, 3.0, 3.5mm | **Phillips:** #00, #0, #1

**22 Pc. ErgoStar Ball End Hex Inch & Metric L-keys**  
**Inch:** .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"  
**Metric:** 1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 8.0, 10.0mm

**Extra Heavy Duty SoftFinish® Screwdriver:** Slotted 8.0mm  
**Nut Setters:** 1/4, 5/16, 3/8"

10.0" Auto Water Pump Pliers  
 7.25" Wire Stripping Pliers 10-20 AWG  
 25 Ft. Tape Measure, 20 oz. Claw Hammer, 9" Torpedo Level  
 5.75" Cat. IV Voltage Detector 50-1000 Volts



## Wiha Insulated Industrial Tool Sets



⚡ 1000Volt

**32981 3 Pc. Insulated Industrial Pliers & Cutters** ⚖️ lbs. 2.18

**Item No. Insulated Pliers & Cutters**

**32981** 8.0" Combo Pliers, 8.0" Long Pliers, 8.0" Diagonal Cutters

Tools meet ASTM, IEC, VDE, EN, NFPA & CSA standards



⚡ 1000Volt

**32086 7 Pc. Insulated Industrial Combo Pliers & Screwdrivers** ⚖️ lbs. 1.83

**Item No. Insulated Combination Pliers:**

**32086** 8" Long Nose Pliers

**Drivers:** Slotted: 3.0, 4.0mm

Phillips: #0, 1, 2

Square: #2



⚡ 1000Volt

**32984 6 Pc. Insulated Industrial Combo Pliers & Screwdrivers** ⚖️ lbs. 2.06

**Item No. Insulated Combination Pliers:**

**32984** 8.0" Combination Pliers

8" Long Nose Pliers

**Drivers:** Slotted: 3.0, 4.5mm

Phillips: #2 • Square: #2

### Insulated BiCut SuperCut & Screwdriver Set

Tools meet ASTM, IEC, VDE, EN, NFPA & CSA standards



⚡ 1000volt

**32942 7 Pc. Insulated Industrial BiCut SuperCut & Screwdrivers** ⚖️ lbs. 1.86

**Item No. Insulated BiCut SuperCut:**

**32942** 8.0"/200mm BiCut SuperCut

**Ins. Drivers:** Phillips: #0, #1, #2

Slotted: 3.0, 4.5, 5.5mm



⚡ 1000Volt

**32983 5 Pc. Insulated Industrial Diagonal Cutters & Screwdrivers** ⚖️ lbs. 1.17

**Item No. Insulated Diagonal Cutters:**

**32983** 6.3"/160mm Diagonal Cutter

**Insulated Drivers:** Phillips: #1, #2

Slotted: 3.0, 4.5mm



In canvas tool bag



⚡ 1000Volt

**32977 11 Pc. Pliers & Driver Set.**

**Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E & CSA, ⚡ up to 1000 volt. Individually Tested.**

**Item# 32977** ⚖️ lbs. 6.30

8.0" Combination Pliers

6.3" & 8.0" Long Nose Pliers W/Cutter

6.3" Diagonal Cutter

8.0" High Leverage Cutter

Phillips: #0, 1, 2 & Slotted: 3.0, 4.0, 6.5mm



In canvas tool bag



⚡ 1000Volt

**32973 22 Pc. Pliers & Driver Set.**

**Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E & CSA, ⚡ up to 1000 volt. Individually Tested.**

In molded tool box

**Item# 32973 Set Includes:** ⚖️ lbs. 8.70

9.0" Linemans Pliers W/Cutters

8.0" Long Nose Pliers W/Cutter

8.0" Diagonal Cutters

50mm Cable Stripping Knife

Insulated Slim Slotted: 3.5, 4.5mm

Insulated Slim Phillips: #1, 2

Insulated Slim Xeno: #1, 2

Insulated Slim Square: #1, 2

Insulated T-handle Hex Inch:

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

Insulated Inch Nut Drivers: 3/8, 7/16, 1/4, 5/16"

**Wiha Insulated Industrial Tool Sets**



1000volt



In Roll  
Out  
Pouches

**32988 22 Pc. Pliers/Cutters & SlimLine Blade Set. Individually Tested.**

Item#	Set Includes:	lbs.
32923	8.0" Long Nose Pliers	lbs.
32933	6.3" Diagonal Cutters	5.74
32917	9.0" Lineman's w/Cutters	
32929	8.0" H.D. Diagonal Cutters	
32927	8.0" Cable Cutters	
32947	6.3" Stripping Pliers	
32945	7.0" Crimpers	
15 Pc. SlimLine Blade Set includes:		
Insulated SlimLine Blade Holder		
Slotted: 3.0, 4.0, 5.5, 6.5	Phillips: #1, #2	
Xeno: #1, #2	Square: #1, #2	
<b>TORX</b> : T8, T10, T15, T20		

In Roll  
Out  
Pouch



1000volt

**32987 8 Pc. Pliers & Cutters Set. Insulation According to VDE 0682/part 201, DIN EN 60900, EN/IEC, ASTM, NFPA, up to 1000 volt. Individually Tested.**

Item#	Set Includes:	lbs.
32926	6.3" Long Nose Pliers	lbs.
32933	6.3" Diagonal Cutters	5.52
32923	8.0" Long Nose Pliers	
32929	8.0" H.D. Diagonal Cutters	
32917	9.0" Lineman's w/Cutters	
32947	6.3" Stripping Pliers	
32927	8.0" Cable Cutters	
32945	7.0" Crimpers	



Tool box set  
in blow molded trays

1000Volt

**32989 28 Piece Insulated Industrial Pliers & Cutters Set Insulated pliers & cutters set in a light weight tool box tray.**

Item No.	Set Includes:
32989	9.0" Lineman's Pliers
	8.0" High Leverage Combo Pliers
↔	6.3" & 8.0" Long Nose Pliers
lbs.	8.0" Cable Cutters
6.34	6.3" & 8.0" Diagonal Cutters
	6.3" Stripping Pliers
	7.0" Crimping Pliers
	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
	Xeno Slotted/Phillips: #1, #2
	Square: #1, #2
	Cat. IV Voltage Detector - 50-1000 Volt, Battery Operated



In Belt  
Pack  
Pouch

1000volt



**32985 7 Pc. Insulated Industrial Pliers/Cutters & Screwdrivers**

Item No.	Insulated Pliers/Cutters:
32985	8.0" Combo Pliers, 6.3" Long Nose, 6.3" Diagonal Cutters
↔	Insulated Divers: Phillips: #1, #2
lbs.	2.30
	Slotted: 3.0, 4.5mm

In Roll  
Out  
Pouch



1000volt



**32986 11 Pc. Pliers/Cutters & Screwdriver Set. Insulation According to VDE 0682/part 201, DIN EN 60900, EN/IEC 60900, ASTM F-1505-10, NFPA70E, up to 1000 volt. Individually Tested.**

Item#	Set Includes:	lbs.
32926	6.3" Long Nose Pliers	lbs.
32933	6.3" Diagonal Cutters	3.62
32930	8.0" Combination Pliers	
32947	6.3" Stripping Pliers	
Insulated Slotted: 3.0, 4.5, 5.5mm		
Insulated Phillips: #1, #2		
Insulated Square: #1, #2		

1000Volt



**32990 17 Pc. Insulated Pop-Up Bit Holder & Pliers/Cutters Set**

Bit holder handle, cushion grip with magnetic holder to securely hold bits.

Item No.	Set Includes 1/4" Insert Bits:
32990	Slotted: 4.5, 5.5, 6.0mm
	Phillips: #0, 1, 2, 3
	Square: #1, 2, 3
<b>TORX</b> : T15, T20, T25	
↔	8.0"/200mm Long Nose Pliers
lbs.	8.0"/200mm High Lev. Cutters
3.72	9.5"/245mm Lineman's Pliers



Tool box set  
in blow molded tray

1000Volt

**32999 9 Pc. Insulated Industrial Pliers & Cutters Set Insulated pliers & cutters set in a light weight tool box tray.**

Item No.	Set Includes:
32999	9.0" Lineman's Pliers
	8.0" High Leverage Combo Pliers
↔	6.3" & 8.0" Long Nose Pliers
lbs.	8.0" Cable Cutters
6.34	6.3" & 8.0" Diagonal Cutters
	6.3" Stripping Pliers
	7.0" Crimping Pliers

## Insulated Industrial Pliers & Cutters

Tools meet ASTM, IEC, VDE, EN, NFPA & CSA standards

Industrial brushed finish

Induction hardened jaws and cutters to 64 HRC

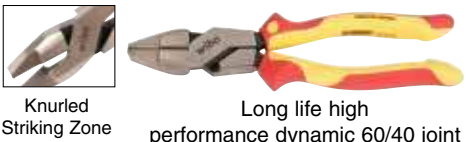
New dynamic joint provides 40% easier cuts & significantly longer tool life

1000V

Ergo comfort grip with slip guard

Two component ergo cushion grip handles

### Insulated NE Style Lineman's Pliers



Knurled Striking Zone Long life high performance dynamic 60/40 joint

**32938 Insulated NE Style Lineman's Pliers.** Insulation According to EN/IEC 60900, ASTM F-1505, NFPA70E and CSA,  $\Delta$  up to 1000 Volt. Individually Tested. Long life edge is achieved through additional induction hardening to approx. 64HRC. Special C70 tool steel hardened & tempered. Extra long cutting edge for flat and round cables.

Item	↔	↔	↔
No.	mm	Inch	wt.
32938	245	9.5	1.18

### Insulated High Leverage Diagonal Cutters



1000volt **32939 Insulated Industrial High Leverage Diagonal Cutters.** Insulation According to VDE, EN/IEC, ASTM, NFPA70E & CSA, 1000 volt rated. Individually Tested. DIN ISO 5749 Semi-circular. Low wear lap joint, riveted and able to withstand high levels of load. Lightweight action, clean cutting. Long term cutting is achieved through additional inductive hardening to approx. 64HRC. C70 special tool steel hardened and tempered to high quality. For soft, hard & piano wire, lay-on joint, optimized power transmission.

Item	↔	↔	↔	↔
No.	mm	Inch	Copper AWG	wt.
32939	200	8.0	#4	.66

### Insulated Industrial Lineman's Pliers W/Crimpers



Knurled Striking Zone

$\Delta$ 1000volt **32948 Insulated Industrial Lineman's Pliers With Crimpers.** Insulation According to EN/IEC 60900, ASTM F-1505, NFPA70E and CSA,  $\Delta$  up to 1000 Volt. Individually Tested. Long life edge is achieved through additional induction hardening to approx. 64HRC. Special C70 tool steel hardened & tempered. Extra long cutting edge for flat and round cables.

Item	↔	↔	↔
No.	mm	Inch	wt.
32948	245	9.5	1.22

### Insulated Diagonal Cutters



Long life high performance dynamic 60/40 joint  $\Delta$ 1000volt

**329 Insulated Industrial Diagonal Cutters.** Insulation According to VDE, EN/IEC, ASTM, NFPA70E & CSA, 1000Volt Rated. Individually Tested. DIN ISO 5749 Low wear lap joint, riveted to able to withstand high levels of load. Lightweight action, clean cutting. Long term cutting is achieved through additional inductive hardening to approx. 64HRC. Special tool steel hardened & tempered. For soft, medium hard wire & piano wire.

Item	↔	↔	↔	↔
No.	mm	Inch	Copper AWG	wt.
32933	160	6.3	#6	.64
32929	200	8.0	#6	.80

### Insulated Combo Pliers With Dynamic Joint



1000volt Long life high performance dynamic 60/40 joint

**32930 Insulated Industrial High Leverage Combination Pliers.** Insulation According to EN/IEC 60900, ASTM F-1505, NFPA70E & CSA,  $\Delta$  up to 1000 volt. Individually Tested. DIN ISO 5746 Extra long cutting edge for flat & round cables. Serrated jaws. Cutting edges additionally induction hardened to approx. 64HRC. Use for gripping, pulling & holding as well as cutting wires and cables ranging in hardness from soft to extremely hard.

Item	↔	↔	↔	↔
No.	mm	Inch	Copper AWG	wt.
32930	200	8.0	#4	.90
32900	225	9.0	#4	.90

### Insulated Crimpers



$\Delta$  1000volt **32945 Insulated Industrial Crimping Pliers.** Insulation According to VDE 0682/ part 201, EN/IEC 60900, ASTM F-1505, NFPA70E and CSA,  $\Delta$  up to 1000 Volt. Individually Tested. Semi-circular profiles for secure connection between end sleeve and conductor. Long life is achieved through additional induction hardening to 64HRC. Crimps 6 - 30 AWG Connectors.

Item	↔	↔	↔	↔
No.	mm	Inch	mm <sup>2</sup>	AWG
32945	180	7.0	0.25-2.5	6-30

### Insulated Stripping Pliers




$\Delta$  1000volt **32947 Insulated Industrial Stripping Pliers.** Insulation According to VDE, EN/IEC, ASTM, NFPA70E & CSA, 1000Volt Rated. Individually Tested. DIN ISO 5745 Made from Premium CV tool steel forgings. Induction hardened jaws and cutters to 64HRC. Spring & adjusting screw, for stripping up to  $\varnothing$  5mm/#8 Awg.


Item	↔	↔	↔	↔
No.	mm	Inch	Copper AWG	wt.
32947	160	6.3	#8 - #28	.46



**Insulated Long Nose Pliers With Cutters**



 1000volt

**329** Insulated Industrial Long Nose Pliers With Cutters. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E & CSA,  up to 1000 volt. Individually Tested. Drop-forged from special tool steel, cutters additionally induction hardened to approx. 64HRC, half-round jaws, serrated gripping surface.


Item No.	mm	Inch	Cutting Capacity	
			Copper AWG	wt.
32926	160	6.3	#10	.36
32923	200	8.0	#8	.46

**Insulated Bent Nose Pliers**

Angled 40°



 1000volt

**329** Bent Nose Pliers With Cutters. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505-10, NFPA70E and CSA,  up to 1000 Volt. Individually Tested. Drop-forged from C70 special tool steel, cutters additionally induction hardened to approx. 64HRC. Ergo comfort grip with slip guard. Serrated gripping surface.

Item No.	mm	Inch	Cutting Capacity	
			Copper AWG	lbs.
32928	160	6.3	#10	.42
32901	200	8.0	#8	.48


**Insulated Flat Nose Pliers**

Two component Soft Grip handles



Extra long head

 1000volt


**32941** Long Flat Nose Pliers. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505-10, NFPA70E & CSA,  up to 1000 Volt. Individually Tested. DIN ISO 5745 Serrated Jaws are induction hardened. Special C70 tool steel forgings. Use for Gripping and right-angle bending of wires and sheet metal parts.


Item No.	mm	Inch	lbs.
32941	160	6.3	.42

**Insulated BiCut SuperCut**

Cutting capacity up to 3mm hardened piano wire



 1000volt


**32936** Insulated Industrial BiCut SuperCut. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E & CSA,  up to 1000 Volt. Individually Tested. For cutting various materials from soft to extremely hard, such as nails, screws, bolts, wire cables, spring wires, chains, etc.

Item No.	mm	Inch	lbs.
32936	200	8.0	.78

**Insulated Heavy Duty Cable Cutters**



 1000volt


**329** Insulated Industrial Serrated Edge Cable Cutters. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E and CSA,  up to 1000 Volt. Individually Tested. Light, clean cutting ground precision cutting edges. Durable cutting is achieved through additional inductive hardening to approx. 64HRC. For cutting of copper and aluminum cables without crushing.

Item No.	mm	Inch	Ø	mm2	lbs.
32902	180	6.3	20	60	.52
32927	200	8.0	16	50	.78

**Insulated TriCut Strippers and Cutters**

 1000volt



**32944** Insulated Industrial TriCut Strippers & Cutters. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E and CSA,  up to 1000 Volt. Individually Tested. Induction hardened cutters & strippers. Cuts cable, strips cable, strips wire leads. Unique 3 in 1 design provides faster combined cutting and stripping. Strips AWG sizes #10 & #14.

Item No.	mm	Inch	AWG	wt.
32944	170	6.7	#6	.58

**Insulated Pliers Wrench**



 1000Volt



1-7/8" / 49mm Jaw Cap.


**11610** Pliers Wrench, With Insulated Handle Insulation According to EN/IEC 60900, DIN ISO 8976, ASTM F-1505 & CSA Specification, Up To 1000 Volt. Individually Tested. Chrome-vanadium steel, drop forged, oil hardened.

Item No.	OAL mm	OAL Inch	lbs.
11610	254	10.0"	1.67

**Insulated Water Pump Pliers**



 1000volt

**32954** Insulated Industrial Water Pump Pliers. Insulation According to VDE, EN/IEC, ASTM, NFPA70E & CSA,  up to 1000 Volt. Individually Tested. 10 opening settings provides optimal adjustment to objects being gripped. Long life achieved through additional induction hardening of jaws to approx. 62HRC. Chrome-vanadium tool steel forgings, hardened and tempered. Black finish.

Item No.	mm	Inch	Capacities		wt.
			Round	Hex	
32954	250	10.0	1 3/4	2	.90

Rapid & simple push button setting & locking



 1000volt

**32956** Insulated Industrial Push Button Water Pump Pliers. Insulation According to VDE, EN/IEC, ASTM, NFPA70E & CSA, Individually Tested. Extra narrow head for working in small spaces. Long life achieved through additional induction hardening of jaws to approx. 62HRC. Finger jam protection for safe operation at all settings. CVM tool steel forgings, hardened & tempered.

Item No.	mm	Inch	Capacities		wt.
			Round	Hex	
32956	250	10.0	1 3/4	2	.90

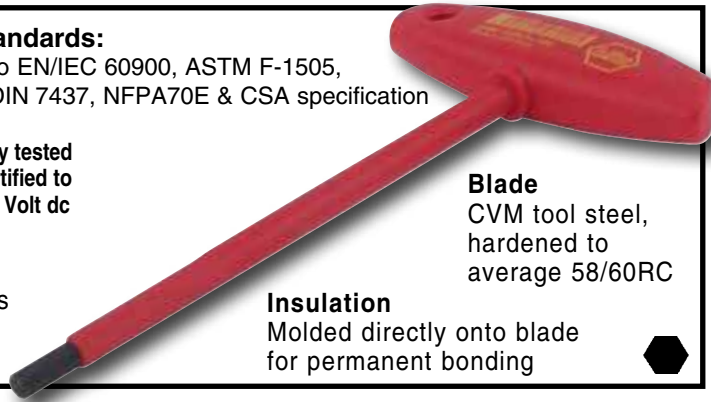
## Wiha Insulated T-handle Hex Drivers

### Insulation Test Standards:

Insulation according to EN/IEC 60900, ASTM F-1505, VDE 0682/part 201, DIN 7437, NFPA70E & CSA specification

Each tool individually tested to 10,000 Volts & certified to 1000 Volt ac or 1500 Volt dc

Responds to OSHA's use specification 29 CFR1910



**Blade**  
CVM tool steel, hardened to average 58/60RC

**Insulation**  
Molded directly onto blade for permanent bonding

⚡ 1000Volt

**334** **Inch T-handle, With Wiha-Molded Handle.** Blade CVM steel, hardened. Insulation molded directly onto blade. Wiha-SoftFinish® handle, multi-component.

Item	⚡	↔	↔	↔	↔	↔
No.	Inch	Inch	Inch	mm	Inch	lbs.
33481	5/32	5.9	6.9	176	.09	
33482	3/16	5.9	6.9	176	.15	
33483	7/32	5.9	6.9	176	.19	
33485	1/4	5.9	7.1	176	.20	
33486	5/16	5.9	7.1	176	.26	
33487	3/8	5.9	7.1	176	.44	



⚡ 1000Volt

**33490** **6 Piece Inch T-handle Hex Set**

Item	⚡	Inch:	↔
No.		5/32, 3/16, 7/32,	lbs.
33490		1/4, 5/16, 3/8"	1.66

⚡ 1000Volt

**334** **Metric T-handle, With Wiha-Molded Handle.** Blade CVM steel, hardened. Insulation molded directly onto blade. Wiha-SoftFinish® handle, multi-component.

Item	⚡	↔	↔	↔	↔	↔
No.	mm	mm	Inch	mm	Inch	lbs.
33441	4.0	150	5.9	176	6.9	.09
33443	5.0	150	5.9	182	7.1	.15
33445	6.0	150	5.9	182	7.1	.18
33447	8.0	150	5.9	182	7.1	.26
33449	10.0	150	5.9	191	7.5	.46

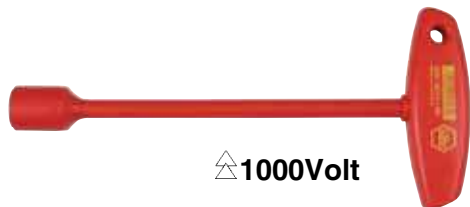
⚡ 1000Volt



**33478** **5 Piece Metric T-handle Hex Set**

Item	⚡	Metric:	↔
No.		4.0, 5.0, 6.0,	lbs.
33478		8.0, 10.0mm	1.20

## Wiha Insulated T-handle Metric Nut Drivers



⚡ 1000Volt

**336** **Metric T-handle Nut Drivers, With Wiha-Molded Handle.** Insulation According to ASTM F-1505, New VDE Specification 0682/part 201 and EN/IEC 60900, NFPA70E & CSA, up to 1000Volt. Individually Tested. Blade CVM steel, hardened. Insulation molded directly onto blade. Wiha-SoftFinish® handle, multi-component.

Item	⚡	↔	↔	↔	↔	↔
No.	mm	mm	Inch	mm	Inch	lbs.
33632	8.0	200	7.9	232	9.1	.15
33634	10.0	230	9.0	262	10.3	.18
33637	13.0	230	9.0	262	10.3	.26
33641	17.0	230	9.0	268	10.6	.46

### WARNING!

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.



## Wiha Insulated Serrated Tweezers

### Meets EN/IEC Insulation Standards

Slip guards at tips  
for user safety

Carbon steel  
with chrome  
nickel plated



Two layer high  
contrast insulated  
coatings

**1000V**

10,000 Volt tested 1000Volt rated



**1000Volt**

**75205 Insulated Serrated Straight  
Fine Tip Tweezers, IEC/EN 60900 & CSA  
Standards, 10,000 Volt Tested**

Item No.	OAL mm	OAL Inch	Weight lbs.
75205	130	5.0	.06



**1000Volt**

**75220 Insulated Serrated Straight  
Blunt Tip Tweezers, IEC/EN 60900 & CSA  
Standards, 10,000 Volt Tested**

Item No.	OAL mm	OAL Inch	Weight lbs.
75220	200	8.0	.18



**1000Volt**

**75210 Insulated Serrated Straight  
Blunt Tip Tweezers, IEC/EN 60900 & CSA  
Standards, 10,000 Volt Tested**

Item No.	OAL mm	OAL Inch	Weight lbs.
75210	130	5.0	.08



**1000Volt**

**75302 Insulated Serrated Angled  
Fine Tip Tweezers, IEC/EN 60900 & CSA  
Standards, 10,000 Volt Tested**

Item No.	OAL mm	OAL Inch	Weight lbs.
75302	145	6.0	.08



**1000Volt**

**75215 Insulated Serrated Straight  
Blunt Tip Tweezers, IEC/EN 60900 & CSA  
Standards, 10,000 Volt Tested**

Item No.	OAL mm	OAL Inch	Weight lbs.
75215	145	6.0	.10



**1000Volt**

**75304 Insulated Serrated Angled  
Blunt Tip Tweezers, IEC/EN 60900 & CSA  
Standards, 10,000 Volt Tested**

Item No.	OAL mm	OAL Inch	Weight lbs.
75304	200	8.0	.16

## Wiha Insulated Hex Bit Sockets



**1000Volt**

### 318 Insulated 3/8" Drive Sockets

Chrome-vanadium steel, forged, oil-hardened.

Item No.	OAL Inch	Weight lbs.
31805	3/16	3.1" .13
31807	7/32	3.1" .14
31809	1/4	3.1" .14
31811	5/16	3.1" .16
31813	3/8	3.1" .18
31815	7/16	3.1" .20
31817	1/2	3.1" .22

\*Sockets must be used with insulated ratchets & extensions



**1000Volt**

### 31890 7 Pc. Insulated 3/8" Drive Socket Set - Inch

CV steel, forged, oil-hardened sockets. Insulated to EN/IEC 60900.

Set includes the following:

31890	3/16, 7/32, 1/4, 5/16, 3/8,
lbs.	1.7 7/16, 1/2"



**1000Volt**

### 318 Insulated 1/2" Drive Sockets

Chrome-vanadium steel, forged, oil-hardened.

Item No.	OAL Inch	Weight lbs.
31830	1/4	2.75 .22
31832	5/16	2.75 .24
31834	3/8	2.75 .25
31836	7/16	3.63 .31
31838	1/2	3.63 .34
31840	9/16	3.63 .36
31842	5/8	3.63 .42
31844	3/4	3.63 .51

\*Sockets must be used with insulated ratchets & extensions

## Wiha Insulated Socket Adapters / Reducers

**1000Volt**



#31350

#31450

#31460

#31650

### Insulated Socket Adapters / Reducers

CV steel, forged, oil-hardened.

Item No.	Size	Weight lbs.
31350	1/4 - 3/8	.05
31450	3/8 - 1/2	.11
31460	3/8 - 1/4	.12
31650	1/2 - 3/8	.22

**Wiha Insulated 1/4" Sockets, Accessories & Sets**

6 Point



⚡ 1000Volt

**313 Insulated 1/4" Drive Sockets - 6 Point, Insulation According To ASTM F-1505, DIN 7448 & CSA Specification, Up To 1000 Volt. Individually Tested.**

Chrome-vanadium steel, forged, oil-hardened.

Item	↔	
No.	Inch	lbs.
31336	3/16	.03
31337	7/32	.03
31338	1/4	.03
31339	9/32	.04
31340	5/16	.04
31341	11/32	.05
31342	3/8	.05
31343	7/16	.06
31344	1/2	.07
31345	9/16	.07

\*Sockets must be used with insulated ratchets & extensions

**313 Insulated 1/4" Drive Sockets - 6 Point, Insulation According**

Chrome-vanadium steel, forged, oil-hardened.

Item	↔	
No.	mm	lbs.
31326	5.0	.03
31327	6.0	.03
31328	7.0	.03
31329	8.0	.04
31330	9.0	.04
31331	10.0	.05
31332	11.0	.05
31333	12.0	.06
31334	13.0	.06
31335	14.0	.07

\*Sockets must be used with insulated ratchets & extensions



**31396 10-Piece Insulated 1/4" Drive Socket Set - Inch** CV steel, forged, oil-hardened sockets. Insulated to EN/IEC 60900.

Item No.	Set includes the following:
31396	3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16"
lbs. 1.08	

**31393 10-Piece Insulated 1/4" Drive Socket Set - Metric** CV steel, forged, oil-hardened sockets. Insulated to EN/IEC 60900.

Item No.	Set includes the following:
31393	5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm
lbs. 1.08	

**Wiha Insulated 1/4" Sets & Accessories**



⚡ 1000Volt

**31394 11 Pc. Insulated 1/4" T-handle & Socket Set-Inch** CV steel, forged, oil-hardened sockets. Insulated after EN/IEC 60900.

Item No.	Set includes the following:
31394	3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16"
lbs. 1.40	Insulated 1/4" T-handle

Each tool individually tested to 10,000 volts & certified to 1000Volt ac or 1500Volt dc



⚡ 1000Volt

**31395 11 Piece Insulated 1/4" T-handle & Socket Set - Metric** CV steel, forged, oil-hardened sockets. Insulated after EN/IEC 60900.

Item No.	Set includes the following:
31395	5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm
lbs. 1.40	Insulated 1/4" T-handle

⚡ 1000Volt



**31390 13 Pc Insulated 1/4" Drive Socket Set - Inch** CV steel, forged, oil-hardened sockets. Insulated after EN/IEC 60900.

Item No.	Set includes the following:
31390	3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16"
lbs. 1.39	1/4" x 50mm Extension Bar 1/4" x 100mm Extension Bar 1/4" Ratchet - 140mm



⚡ 1000Volt

**12851 Insulated 1/4" Drive Ratchet, EN/IEC 60900 & CSA** Chrome-Vanadium steel. Thumb lever for rapid reverse.

Item No.	OAL	OAL	↔	
	Inch	mm	Inch	lbs.
12851	1/4"	140	5.5	.28



⚡ 1000Volt

**29006 Insulated 1/4" Drive T-handle, With Insulated Handle.** Insulation according to EN/IEC 60900 & CSA specification, up to 1000 Volt. Individually Tested. Blade CV steel, hardened.

Item No.	OAL	OAL	↔	
	Inch	mm	Inch	lbs.
29006	1/4"	160	6.2"	.57



⚡ 1000Volt

**128 Insulated 1/4" Extension Bars, ASTM F-1505, EN/IEC 60900 & CSA** Chrome-Vanadium steel.

Item No.	OAL	OAL	↔	
	Inch	mm	Inch	lbs.
12854	1/4"	50	2.0	.08
12855	1/4"	100	3.9	.12

⚡ 1000Volt



**31391 13 Pc. Insulated 1/4" Drive Socket Set - Metric** CV steel, forged, oil-hardened sockets. Insulated after EN/IEC 60900.

Item No.	Set includes the following:
31391	5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm
lbs. 1.41	1/4" x 50mm Extension Bar 1/4" x 100mm Extension Bar 1/4" Ratchet - 140mm

## Wiha Insulated 3/8" Sockets



### 1000Volt

#### 314 Insulated 3/8" Drive Sockets -

Insulation according to EN/IEC 60900, DIN 7448 & CSA specification, up to 1000 Volt.

Individually Tested.

CV steel, forged, oil-hardened.

Item No.	Inch	lbs.
31425	1/4	.07
31428	9/32	.07
31429	5/16	.07
31430	11/32	.07
31431	3/8	.08
31432	7/16	.08
31433	1/2	.10
31434	9/16	.10
31435	5/8	.10
31436	11/16	.13
31437	3/4	.14
31438	13/16	.17
31439	7/8	.18

\*Sockets must be used with insulated ratchets & extensions



### 1000Volt

#### 315 Insulated 3/8" Drive Sockets-

**Metric** Insulation according to VDE, EN/IEC 60900, DIN 7448 & CSA specification, up to 1000 Volt. Individually Tested. Chrome-vanadium steel, forged, oil-hardened.

Item No.	mm	lbs.
31506	6.0	.07
31507	7.0	.07
31508	8.0	.07
31509	9.0	.07
31510	10.0	.07
31511	11.0	.08
31512	12.0	.10
31513	13.0	.10
31514	14.0	.10
31515	15.0	.10
31516	16.0	.10
31517	17.0	.11
31518	18.0	.12
31519	19.0	.14
31520	20.0	.15
31521	21.0	.17
31522	22.0	.18
31524	24.0	.26

\*Sockets must be used with insulated ratchets & extensions

## Wiha Insulated 3/8" Sockets & Sets



### 1000Volt

#### 31493 10 Pc. Insulated 3/8" Drive Socket

**Set - Inch** CV steel, forged, oil-hardened sockets. Insulated to EN/IEC 60900.

**Item No. Set includes the following:**

31493	5/16, 3/8, 7/16, 1/2,
	9/16, 5/8, 11/16, 3/4"
lbs. 2.50	3/8" x 125mm Extension Bar
	3/8" Ratchet - 190mm



### 1000Volt

#### 31590 10 Pc. Insulated 3/8" Drive Socket

**Set - Metric** CV steel, forged, oil-hardened sockets. Insulated to EN/IEC 60900.

**Item No. Set includes the following:**

31590	8, 10, 11, 12, 13, 14, 17, 19mm
lbs. 2.50	3/8" x 125mm Extension Bar
	3/8" Ratchet - 190mm



### 1000Volt

#### 31491 16 Piece Insulated 3/8" Drive

**Socket Set - Inch/Metric** CV steel, forged, oil-hardened sockets. Insulated to EN/IEC 60900.

**Item No. Set includes the following:**

31491	5/16, 3/8, 7/16, 1/2,
	9/16, 5/8, 11/16, 3/4"
lbs. 2.01	8, 10, 11, 12, 13, 14, 17, 19mm



### 1000Volt

#### 31495 24 Pc. Insulated 3/8" Drive Socket

**Set - Inch** CV steel, forged, oil-hardened sockets. Insulated to EN/IEC 60900.

**Item No. Set includes the following:**

31495	1/4, 9/32, 5/16, 11/32, 3/8, 7/16
	1/2, 9/16, 5/8, 11/16, 3/4" Sockets
lbs.	3/8" x 125mm Extension Bar
9.07	3/8" x 250mm Extension Bar
	3/8" Ratchet - 190mm
	Insulated Electrician's Knife - 50mm
	<b>Slotted:</b> 3.5, 4.5, 6.5mm
	<b>Phillips:</b> #1, 2, 3
	6.3" Long Nose Pliers
	8.0" Combo Pliers
	6.3" Diagonal Cutters

\*Sockets must be used with insulated ratchets & extensions



### 1000Volt

#### 31592 24 Pc. Insulated 3/8" Drive Socket

**Set - Metric** CV steel, forged, oil-hardened sockets. Insulated to EN/IEC 60900.

**Item No. Set includes the following:**

31592	6, 7, 8, 9, 10, 11, 12,
	13, 14, 17, 19mm Sockets
lbs.	3/8" x 125mm Extension Bar
9.08	3/8" x 250mm Extension Bar
	3/8" Ratchet - 190mm
	Insulated Electrician's Knife - 50mm
	<b>Slotted:</b> 3.5, 4.5, 6.5mm
	<b>Phillips:</b> #1, 2, 3
	6.3" Long Nose Pliers
	8.0" Combo Pliers
	6.3" Diagonal Cutters

\*Sockets must be used with insulated ratchets & extensions

**Wiha Insulated 3/8" Socket Accessories and Sets**



1000Volt

**12852 Insulated 3/8" Drive Ratchet, EN/IEC 60900** CV steel. Socket release button. Thumb lever for rapid reverse.

Item No.	OAL	OAL	↔	↔	↔
No.	Inch	mm	Inch	lbs.	pkg.
12852	3/8"	190	7.5	.93	1



1000Volt

**128 Insulated 3/8" Extension Bars, EN/IEC 60900** Chrome-Vanadium steel.

Item No.	OAL	OAL	↔	↔
No.	Inch	mm	Inch	lbs.
12856	3/8"	125	4.9	.41
12857	3/8"	250	9.8	.57



1000Volt

**1000Volt Insulated 3/8" Drive T-handle Or Breaker Bar. Insulation according to EN/IEC 60900 specification, up to 1000Volt Rated. Individually Tested.** Blade chrome-vanadium steel, hardened.

Item No.	ØMM	OAL	OAL	↔	↔
No.	Inch	mm	Inch	lbs.	
29009	3/8"	200	7.9"	.55	
12327	3/8"	216	8.5"	.68	



1000Volt

**31496 10 Pc. Insulated 3/8" T-handle & Socket Set-Inch** CV steel, forged, oil-hardened sockets. Insulated after EN/IEC 60900.

Item No.	Set includes the following:
31496	5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4"
lbs. 2.47	3/8" x 125mm Extension Bar Insulated 3/8" T-handle

**31595 10 Pc. Insulated 3/8" T-handle & Socket Set - MM** CV steel, forged, oil-hardened sockets. Insulated after EN/IEC 60900.

Item No.	Set includes the following:
31595	8, 10, 11, 12, 13, 14, 17, 19mm
↔	3/8" x 125mm Extension Bar
lbs. 2.47	Ins. 3/8" T-handle

**Wiha Insulated 3/8" Socket Sets On Rails**



**31596 13-Piece Insulated 3/8" Drive Socket Set - Inch** CV steel, forged, oil-hardened sockets. Insulated to EN/IEC 60900.

Item No.	Set includes:
31596	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"
lbs. 2.06	



**31593 18-Piece Insulated 3/8" Drive Socket Set - Metric** CV steel, forged, oil-hardened sockets. Insulated to EN/IEC 60900.

Item No.	Set includes the following:
31593	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24mm
lbs. 2.9	

**Wiha Insulated 1/2" Sockets**



Individually Tested

1000Volt

**317 Insulated 1/2" Drive Sockets - Insulation According to ASTM, DIN & CSA Specification, Up To 1000Volt. Individually Tested.** CV steel, forged, oil-hardened.

Item No.	↔	↔
No.	Inch	lbs.
31703	5/16	.16
31704	11/32	.16
31705	3/8	.16
31707	7/16	.16
31708	1/2	.16
31709	9/16	.17
31710	5/8	.19
31712	11/16	.19
31713	3/4	.21
31714	13/16	.23
31715	7/8	.27
31716	15/16	.35
31718	1	.33
31720	1-1/8	.44
31722	1-1/4	.58

\*Sockets must be used with insulated ratchets & extensions



1000Volt

**316 Insulated 1/2" Drive Sockets - Metric 1000 Volt.**

Item No.	↔	↔
No.	mm	lbs.
31608	8.0	.15
31609	9.0	.15
31610	10.0	.16
31611	11.0	.16
31612	12.0	.16
31613	13.0	.17
31614	14.0	.17
31615	15.0	.17
31616	16.0	.19
31617	17.0	.19
31618	18.0	.20
31619	19.0	.21
31620	20.0	.25
31621	21.0	.25
31622	22.0	.28
31623	23.0	.29
31624	24.0	.30
31626	26.0	.37
31627	27.0	.41
31628	28.0	.44
31630	30.0	.51
31632	32.0	.55

\*Sockets must be used with insulated ratchets & extensions

## Wiha Insulated 1/2" Socket Sets



**31796 15-Piece Insulated 1/2" Drive Socket Set - Inch** CV steel, forged, oil-hardened sockets. Insulated to EN/IEC 60900.

Item No.	Set includes:
<b>31796</b>	7/16, 1/2, 9/16, 5/8, 11/16, 3/4, lbs. 4.20
	13/16, 7/8, 15/16, 1, 1-1/8, 1-1/4"




**31793 22-Piece Insulated 1/2" Drive Socket Set - Metric** CV steel, forged, oil-hardened sockets. Insulated to EN/IEC 60900.


Item No.	Set includes the following:
<b>31793</b>	8, 9, 10, 11, 12, 13, 14, 15, 16, lbs. 6.28
	26, 27, 28, 30, 32mm



**31790 24 Piece Insulated 1/2" Drive Socket Set - Inch** CV steel, forged, oil-hardened sockets. Insulated to EN/IEC 60900.


Item No.	Set includes the following:
<b>31790</b>	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1" Sockets
	1/2" x 125mm Extension Bar
lbs.	1/2" x 250mm Extension Bar
11.41	1/2" Ratchet - 260mm
	Ins. Electrician's Knife - 50mm
	<b>Slotted:</b> 3.5, 4.5, 6.5mm
	<b>Phillips:</b> #1, 2, 3
	6.3" Long Nose Pliers
	8.0" Combo Pliers
	6.3" Diagonal Cutters

**31691 24 Piece Insulated 1/2" Drive Socket Set - Metric** CV steel, forged, oil-hardened sockets. Insulated to EN/IEC 60900.

Item No.	Set includes the following:
<b>31691</b>	8, 9, 10, 12, 13, 14, 15, 17, 19, 22, 24mm Sockets
	1/2" x 125mm Extension Bar
lbs.	1/2" x 250mm Extension Bar
11.39	1/2" Ratchet - 260mm
	Ins. Electrician's Knife - 50mm
	<b>Slotted:</b> 3.5, 4.5, 6.5mm
	<b>Phillips:</b> #1, 2, 3
	6.3" Long Nose Pliers
	8.0" Combo Pliers
	6.3" Diagonal Cutters




**31792 14 Pc. Insulated 1/2" Drive Socket Set - Inch** CV steel, forged, oil-hardened sockets. Insulated to EN/IEC 60900.

Item No.	Set includes the following:
<b>31792</b>	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1"
	1/2" x 125mm Extension Bar
lbs.	1/2" x 250mm Extension Bar
7.64	1/2" Ratchet - 190mm




**31694 14 Pc. Insulated 1/2" Drive Socket Set - Metric** CV steel, forged, oil-hardened sockets. Insulated to EN/IEC 60900.

Item No.	Set includes the following:
<b>31694</b>	8, 9, 10, 11, 12, 13, 14, 17, 19, 22, 24mm
	1/2" x 125mm Extension Bar
lbs.	1/2" x 250mm Extension Bar
7.64	1/2" Ratchet - 190mm

## Wiha Insulated 1/2" Socket accessories




**12853 Insulated 1/2" Drive Ratchet, IEC/EN 60900 & CSA** Chrome-Vanadium steel. Reversible.

Item No.	OAL	OAL	
	Inch	mm	Inch lbs.
<b>12853</b>	1/2"	260	10.2 1.55





**128 Insulated 1/2" Extension Bars, EN/IEC 60900 & CSA** Chrome-vanadium steel.

Item No.	OAL	OAL	
	Inch	mm	Inch lbs.
<b>12858</b>	1/2"	125	4.9 .45
<b>12859</b>	1/2"	250	9.8 .91




**29012 Insulated 1/2" Drive T-handle, With Insulated Handle. Insulation according to EN/IEC 60900 & CSA Specification, Up To 1000 Volt. Individually Tested** Blade VC steel, hardened.

Item No.		OAL	OAL	
	Inch	mm	Inch	lbs.
<b>29012</b>	1/2"	200	7.9"	.68



**12326 Insulated 1/2" Drive Breaker Bar, IEC/EN 60900 & CSA** Chrome-Vanadium steel.

Item No.	OAL	OAL	
	Inch	mm	Inch lbs.
<b>12326</b>	1/2"	267	10.5 1.04



**Wiha Insulated Hex L-keys**



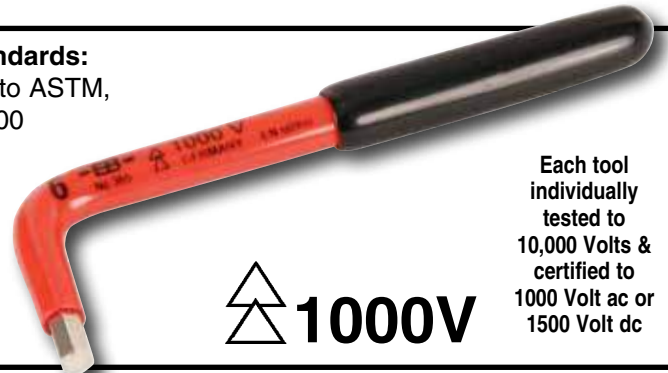
**1000Volt**

**136** Inch Insulated Hex L-keys, With Insulated Handle. Insulation According to IEC 60900 Specification, Up To 1000 Volt. Individually Tested. Blade chrome-vanadium steel, hardened.

Item No.	Hex	mm	Inch	Inch	lbs.
13670	1/16	79	3.1	.375	.05
13671	5/64	84	3.3	.50	.05
13672	3/32	89	3.5	.625	.05
13673	7/64	94	3.7	.625	.06
13663	1/8	104	4.1	1.0	.06
13665	5/32	104	4.1	1.0	.06
13666	3/16	134	5.3	1.25	.10
13667	7/32	134	5.3	1.5	.12
13668	1/4	134	5.3	1.5	.16
13669	5/16	144	5.7	1.5	.24
13662	3/8	234	9.2	1.63	.51
13664	1/2	234	9.2	1.63	.77

**Insulation Test Standards:**  
Insulation according to ASTM, F-1505, EN/IEC 60900 and CSA

**Insulation**  
Applied directly onto blade for permanent bonding



**1000V**

Each tool individually tested to 10,000 Volts & certified to 1000 Volt ac or 1500 Volt dc

**1000Volt**

**13690** 8 Piece Insulated Inch Hex L-key Set

Item No.	Hex	OAL	Hex	OAL	lbs.
13690	1/8	4.1	1/4	5.3	2.17
	5/32	4.1	5/16	5.7	
	3/16	5.3	3/8	9.2	
	7/32	5.3	1/2	9.2	

**1000Volt**

**13694** 12 Pc. Insulated Inch Hex L-key Set

Item No.	Hex	OAL	Hex	OAL	lbs.
13694	1/16	3.1	3/16	5.3	2.40
	5/64	3.3	7/32	5.3	
	3/32	3.5	1/4	5.3	
	7/64	3.7	5/16	5.7	
	1/8	4.1	3/8	9.2	
	5/32	4.1	1/2	9.2	



**1000Volt**

**136** Metric Insulated Hex L-keys, With Insulated Handle. Insulation According to IEC 60900 Specification, Up To 1000 Volt. Individually Tested. Blade chrome-vanadium steel, hardened.

Item No.	Hex	mm	Inch	mm	lbs.
13650	1.5	100	3.9	20	.09
13651	2.0	105	4.1	20	.09
13652	2.5	115	4.5	20	.09
13653	3.0	130	5.1	25	.10
13654	4.0	120	4.7	40	.10
13655	5.0	140	5.5	45	.10
13656	6.0	140	5.5	45	.13
13658	8.0	150	5.9	50	.24
13659	10.0	220	8.7	50	.51
13657	12.0	260	10.2	60	.77



**1000Volt**

**13691** 7 Piece Insulated Metric Hex L-key Set

Item No.	Hex	OAL	Hex	OAL	lbs.
13691	3.0	130	8.0	150	2.07
	4.0	120	10.0	220	
	5.0	140	12.0	260	
	6.0	140			

**1000Volt**

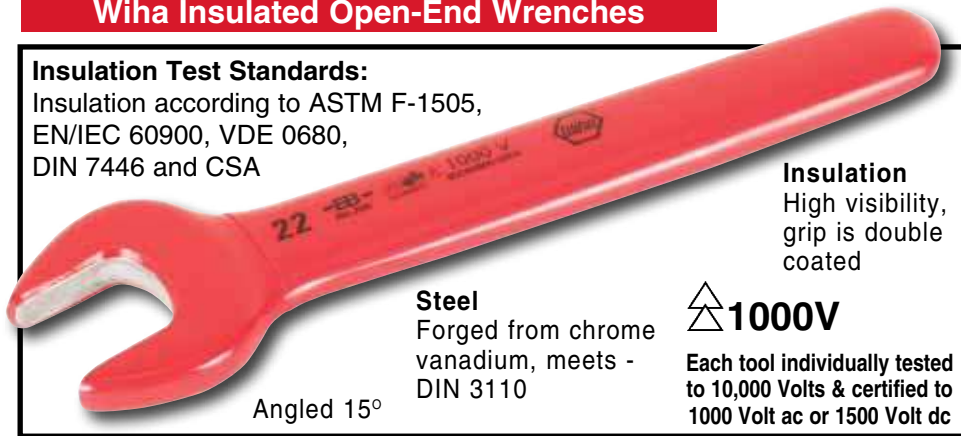
**13693** 10 Piece Insulated Metric Hex L-key Set

Item No.	Hex	OAL	Hex	OAL	lbs.
13693	1.5	100	5.0	140	2.26
	2.0	105	6.0	140	
	2.5	115	8.0	150	
	3.0	130	10.0	220	
	4.0	120	12.0	260	

## Wiha Insulated Open-End Wrenches

### Insulation Test Standards:

Insulation according to ASTM F-1505, EN/IEC 60900, VDE 0680, DIN 7446 and CSA



**Insulation**  
High visibility, grip is double coated

**Steel**  
Forged from chrome vanadium, meets - DIN 3110

**1000V**

Each tool individually tested to 10,000 Volts & certified to 1000 Volt ac or 1500 Volt dc

Angled 15°



### 1000Volt

**201** Inch Open-End Wrenches, With Insulated Handle Insulation According to VDE Specification 0680 and EN/IEC 60900, DIN 7446 and CSA, up to 1000 Volt. Individually Tested. Chrome-vanadium steel, hardened. Angled 15°.

Item No.	⊘	OAL	OAL	↵
	Inch	Inch	mm	lbs.
20131	1/4	3.4	87.5	.04
20133	5/16	3.9	100	.05
20135	3/8	4.1	105	.09
20136	7/16	4.6	117	.09
20137	1/2	5.5	140	.15
20138	9/16	5.7	146	.15
20140	5/8	6.2	158	.20
20141	11/16	6.5	165	.23
20142	3/4	7.0	178	.33
20144	13/16	7.5	191	.42
20145	7/8	7.6	192	.44
20146	15/16	7.9	201	.51
20147	1	8.4	213	.61
20148	1-1/16	9.2	233	.79
20149	1-1/8	9.2	233	.77
20151	1-1/4"	7.5		
20154	1-1/2"	7.5		

\* Lengths are +/- 5% due to coating process



### 1000Volt

**200** Metric Open-End Wrenches, With Insulated Handle

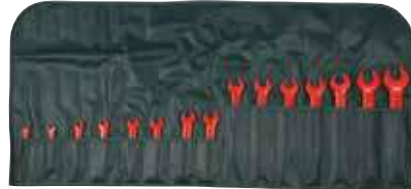
Item No.	⊘ <sub>MM</sub>	OAL	OAL	↵
	mm	mm	Inch	lbs.
20006	6.0	97	3.8	.04
20007	7.0	98	3.9	.05
20008	8.0	104	4.1	.07
20009	9.0	108	4.3	.07
20010	10.0	107	4.2	.08
20011	11.0	118	4.6	.11
20012	12.0	129	5.1	.11
20013	13.0	137	5.4	.19
20014	14.0	150	5.9	.19
20015	15.0	151	5.9	.17
20016	16.0	164	6.5	.22
20017	17.0	168	6.4	.24
20018	18.0	173	6.8	.41
20019	19.0	178	7.0	.32
20020	20.0	190	6.9	.36
20022	22.0	196	7.7	.39
20024	24.0	211	8.3	.58
20027	27.0	218	8.6	.68
20030	30.0	235	9.3	.97
20032	32.0	237	9.3	1.01



### 1000Volt

**20190** 14 Piece Insulated Inch Open End Wrench Set

Item No.	⊘	OAL	⊘	OAL	↵
	Inch	Inch	Inch	Inch	lbs.
20190	5/16	3.9	3/4	7.0	5.70
	3/8	4.1	13/16	7.5	
	7/16	4.6	7/8	7.6	
	1/2	5.5	15/16	7.9	
	9/16	5.7	1	8.4	
	5/8	6.2	1-1/16	9.2	
	11/16	6.5	1-1/8	9.1	



### 1000Volt

**20091** 15 Piece Insulated Metric Open End Wrench Set

Item No.	⊘ <sub>MM</sub>	OAL	⊘ <sub>MM</sub>	OAL	↵
	mm	mm	mm	mm	lbs.
20091	6.0	97	14	150	3.0
	7.0	98	15	151	
	8.0	104	16	164	
	9.0	108	17	162	
	10.0	107	19	178	
	11.0	118	22	196	
	12.0	129	24	211	
	13.0	137			



### 1000Volt

**20192** 8 Piece Insulated Inch Open End Wrench Set

Item No.	⊘	OAL	⊘	OAL	↵
	Inch	Inch	Inch	Inch	lbs.
20192	5/16	3.9	9/16	5.7	1.59
	3/8	4.1	5/8	6.2	
	7/16	4.6	11/16	6.5	
	1/2	5.5	3/4	7.0	



### 1000Volt

**20093** 8 Piece Insulated Metric Open End Wrench Set

Item No.	⊘ <sub>MM</sub>	OAL	⊘ <sub>MM</sub>	OAL	↵
	mm	mm	mm	mm	lbs.
20093	6.0	97	13.0	137	1.4
	7.0	98	14.0	150	
	8.0	104	17.0	162	
	10.0	107	19.0	178	

**Wiha Insulated Open-End Wrenches**




 **1000Volt**



In Tool Box Tray

**20194 13 Piece Insulated Inch Open**

**End Wrench Set** In Tool Box Tray

Item No.		OAL		OAL	
	Inch	Inch	Inch	Inch	lbs.
20194	1/4	3.4	11/16	6.5	4.90
	5/16	3.9	3/4	7.0	
	3/8	4.1	13/16	7.5	
	7/16	4.6	7/8	7.6	
	1/2	5.5	15/16	7.9	
	9/16	5.7	1	8.4	
	5/8	6.2			




In Tool Box Tray



 **1000Volt**

**20196 13 Pc. Insulated Metric Open**

**End Wrench Set** In Tool Box Tray

Item No.		OAL		OAL	
	mm	mm	mm	mm	lbs.
20196	8.0	104	16.0	164	4.90
	10.0	107	17.0	168	
	11.0	118	18.0	173	
	12.0	129	19.0	178	
	13.0	137	22.0	196	
	14.0	150	24.0	211	
	15.0	151			

**Wiha Insulated Ratchet Wrenches**

**Insulation Test Standards:**  
Insulation according to ASTM F-1505, EN/IEC 60900, ISO 3110 and CSA Specification



Each tool individually tested to 10,000 Volts & certified to 1000 Volt ac or 1500 Volt dc

**Steel**  
Forged from chrome vanadium, meets - DIN 3110


 **1000V**



 **1000Volt**

**213 1/4 Inch Insulated Ratchet Wrenches,** With Insulated Handle Insulation According to EN/IEC 60900, ISO 3110 Specification, Up To 1000 Volt. Individually Tested.

Blade chrome-vanadium steel, hardened.


Item No.		OAL	OAL	
	Inch	mm	Inch	lbs.
21319	1/4	188	7.4	.11
21321	5/16	188	7.4	.12
21323	11/32	188	7.4	.13
21325	3/8	140	5.5	.14
21327	7/16	143	5.6	.15
21329	1/2	154	6.1	.18
21331	9/16	162	6.4	.22
21333	5/8	177	7.0	.30
21334	11/16	260	10.25	.44
21335	3/4	209	8.2	.46
21336	13/16	337	13.25	.80
21337	7/8	337	13.25	.72



 **1000Volt**

**212 Metric Insulated Ratchet Wrenches,** With Insulated Handle Insulation According to EN/IEC 60900, ISO 3110 Specification, Up To 1000 Volt. Individually Tested.




Blade chrome-vanadium steel, hardened.

Item No.		OAL	OAL	
	mm	mm	Inch	lbs.
21208	8.0	125	4.9	.08
21209	9.0	188	7.4	.13
21210	10.0	140	5.5	.12
21211	11.0	210	8.25	.21
21212	12.0	150	5.9	.18
21213	13.0	152	6.0	.18
21214	14.0	163	6.4	.22
21215	15.0	260	10.25	.37
21216	16.0	260	10.25	.42
21217	17.0	193	7.6	.38
21218	18.0	260	10.25	.49
21219	19.0	210	8.3	.45



 **1000Volt**




**21391 6 Piece Inch Insulated Ratchet Wrenches Set**

Item No.		OAL		OAL	
	Inch	Inch	Inch	Inch	lbs.
21391	3/8	5.5	9/16	6.4	1.95
	7/16	5.6	5/8	7.0	
	1/2	6.1	3/4	8.2	



 **1000Volt**

**21290 7 Piece Metric Insulated Ratchet Wrenches Set**

Item No.		OAL		OAL	
	mm	mm	mm	mm	lbs.
21290	8.0	4.9	14.0	6.4	2.10
	10.0	5.5	17.0	7.6	
	12.0	5.9	19.0	8.3	
	13.0	6.0			

## Wiha Insulated Deep Offset Ring Wrenches

### Insulation Test Standards:

Insulation according to ASTM F-1505, EN/IEC 60900, ISO 3110 and CSA Specification



Steel Forged from chrome vanadium, meets - DIN 3110

Each tool individually tested to 10,000 Volts & certified to 1000 Volt ac or 1500 Volt dc

**1000V**



**1000Volt**

**1000Volt**



### 21096 8 Piece Inch Insulated Offset

#### Ring Wrenches Set

Item No.	Inch:	↔
21096	5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4"	lbs. 3.20



**1000Volt**

### 21094 16 Piece Inch Insulated Offset

#### Ring Wrenches Set

Item No.	Inch:	↔
21094	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/4"	lbs. 8.70

**1000Volt**



### 21095 8 Piece Metric Insulated Offset

#### Ring Wrenches Set

Item No.	Metric:	↔
21095	10.0, 11.0, 12.0, 13.0, 14.0, 15.0, 17.0, 19.0mm	lbs. 3.20



**1000Volt**

### 21093 16 Piece Metric Insulated Offset

#### Ring Wrenches Set

Item No.	Metric:	↔
21093	8.0, 9.0, 10.0, 11.0, 12.0, 13.0, 14.0, 15.0, 17.0, 19.0, 20.0, 22.0, 24.0, 27.0, 30.0, 32.0mm	lbs. 8.70



**1000Volt**

### 210 Insulated Metric Offset Ring

Wrenches, Insulation According to EN/IEC 60900, ISO 3110 Specification, Up To 1000 Volt. Individually Tested. Blade Chrome-Vanadium steel, hardened.

Item No.	Ø <sub>MM</sub>	OAL mm	OAL Inch	↔ lbs.
21008	8.0	159	6.3	.16
21009	9.0	159	6.3	.18
21010	10.0	171	6.8	.20
21011	11.0	178	7.0	.22
21012	12.0	191	7.5	.30
21013	13.0	194	7.6	.30
21014	14.0	203	8.0	.34
21015	15.0	203	8.0	.34
21017	17.0	219	8.6	.44
21019	19.0	241	9.5	.52
21020	20.0	250	9.8	.58
21022	22.0	257	10.1	.64
21024	24.0	279	11.0	.90
21027	27.0	286	11.3	.96
21030	30.0	311	12.3	1.28
21032	32.0	318	12.5	1.38

### 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.

**Wiha Insulated Adjustable Wrenches**



**1000Volt**

**76208 Insulated 8" Adjustable Wrench** Insulation According to ASTM, EN/IEC, NFPA, CSA and ISO Specification, up to 1000 Volt. Individually Tested. Etched on scale for pre-setting size. Slip guard handle for added protection.

Item No.	OAL Inch	OAL mm	Capacity Opening	Capacity lbs.
76208	8.0	200	1"	.7

**1000Volt**

**76210 Insulated 10" Adjustable Wrench** Etched on scale for pre-setting size. Slip guard handle for added protection.

Item No.	OAL Inch	OAL mm	Capacity Opening	Capacity lbs.
76210	10.0	250	1-1/4"	1.4

**1000Volt**

**76212 Insulated 12" Adjustable Wrench** Etched on scale for pre-setting size. Slip guard handle for added protection.

Item No.	OAL Inch	OAL mm	Capacity Opening	Capacity lbs.
76212	12.0	300	1-1/2"	1.9

**1000Volt**

**76215 Insulated 15" Adjustable Wrench** Etched on scale for pre-setting size. Slip guard handle for added protection.

Item No.	OAL Inch	OAL mm	Capacity Opening	Capacity lbs.
76215	15.0	380	1-11/16"	2.8



**1000Volt**

**76290 3 Pc. Insulated Adjustable Wrenches** Etched on scale for pre-setting size. Slip guard handle for added protection.

Item No.	Set includes the following:
76290	8.0", 10.0", 12.0" Adjustable Pliers
	lbs. 4.0

**Wiha Insulated Electrician's Knives**

**Insulation Test Standards:**

Insulation according to ASTM, EN/IEC, VDE & CSA Specification Individually tested

**Insulation** molded on for permanent bonding

**1000V**



Each tool individually tested to 10,000 volts & rated to 1000Volt ac or 1500Volt dc



**1000Volt**

**15000 Insulated Electrician's Cable Stripping Knife, With Insulated Handle, Insulation According To VDE Specification, Up To 1000 Volt. Individually Tested.** Blade tool steel, hardened, molded directly on. Cover included.

Item No.	Blade mm	OAL mm	OAL Inch	Capacity lbs.
15000	50	216	8.5	.30



**1000Volt**

**15050 Insulated Stripping Knife, With Insulated Handle Insulation According To VDE Specification, Up To 1000 Volt. Individually Tested.** Blade tool steel, hardened. Insulation molded directly on. Hooked cutting edge, half-round ground. Cover included.

Item No.	Blade mm	OAL mm	OAL Inch	Capacity lbs.
15050	35	222	8.75	.22



**1000Volt**

**15003 Insulated Electrician's Cable Stripping Knife, With Insulated Handle, Insulation According To VDE Specification, Up To 1000 Volt. Individually Tested.** Straight, partly insulated, strong blade. Insulation molded directly on. Cover included.

Item No.	Blade mm	OAL mm	OAL Inch	Capacity lbs.
15003	50	230	9.0	.23

**NOTES:**

**WARNING!**

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.

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 **Prop65 WARNING:**  
Cancer or reproductive harm.  
For more information go to  
[www.P65warnings.ca.gov/](http://www.P65warnings.ca.gov/)



**Insulation Test**



**Cold Impact Test**



**Material Integrity Test**



**Puncture Test**



**Flame Resistance Test**



**Adhesion Test**



**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](http://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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