

2021

# 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.

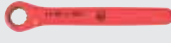
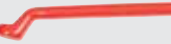
4. The Institute of Electronics and Electrical Engineers (IEEE) 1584 – 2002 Guide to Performing Arc-Flash Hazard Calculations

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**OSHA**

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

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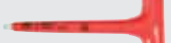

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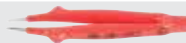
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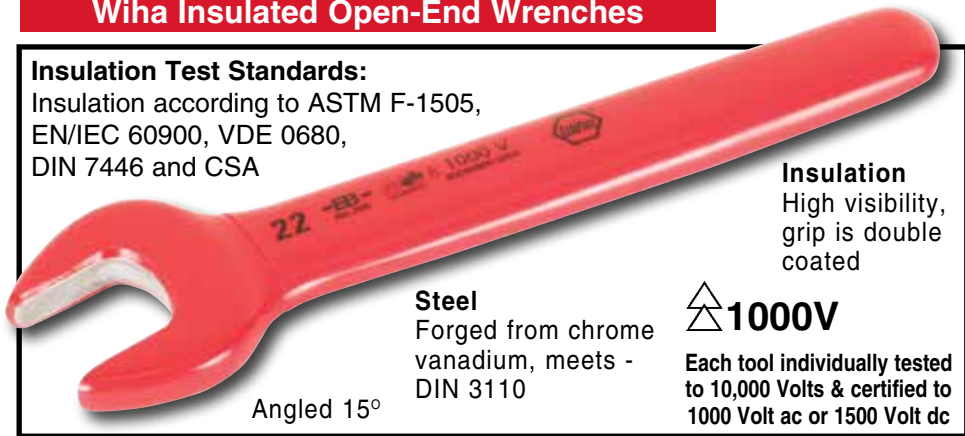
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## Wiha Insulated Open-End Wrenches

### 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.	Ø	OAL	Ø	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.	Ø	OAL	Ø	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



**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**

**213 1/2 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.	Ø	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.	Ø <sub>MM</sub>	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.	Ø	OAL	Ø	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.	Ø <sub>MM</sub>	OAL	Ø <sub>MM</sub>	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
	Capacity 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

#### NOTES:

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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

#### 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 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



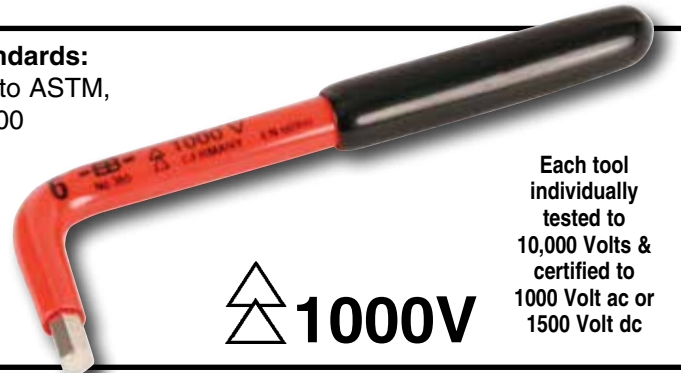
1000Volt

**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

**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

**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 Hex Bit Sockets**



△1000Volt

**318 Insulated 3/8" Drive Sockets**

Chrome-vanadium steel, forged, oil-hardened.

Item No.	Inch	OAL Inch	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.

Item No.	Set includes the following:
31890	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2"
lbs. 1.7	



△1000Volt

**318 Insulated 1/2" Drive Sockets**

Chrome-vanadium steel, forged, oil-hardened.

Item No.	Inch	OAL Inch	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	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**

Metric - 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

Metric - 6 Point



△1000Volt

**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



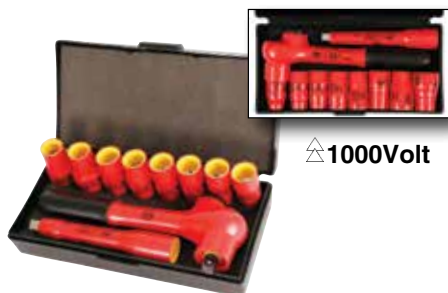
1000Volt

**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.

<b>Item No.</b>	<b>Set includes the following:</b>
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.

<b>Item No.</b>	<b>Set includes the following:</b>
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**

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

<b>Item No.</b>	<b>Set includes the following:</b>
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.

<b>Item No.</b>	<b>Set includes the following:</b>
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. 9.07	3/8" x 125mm Extension Bar 3/8" x 250mm Extension Bar 3/8" Ratchet - 190mm Insulated Electrician's Knife - 50mm Slotted: 3.5, 4.5, 6.5mm Phillips: #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.

<b>Item No.</b>	<b>Set includes the following:</b>
31592	6, 7, 8, 9, 10, 11, 12, 13, 14, 17, 19mm Sockets
lbs. 9.08	3/8" x 125mm Extension Bar 3/8" x 250mm Extension Bar 3/8" Ratchet - 190mm Insulated Electrician's Knife - 50mm Slotted: 3.5, 4.5, 6.5mm Phillips: #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

**12852 Insulated 3/8" Drive Ratchet,**

**EN/IEC 60900** CV steel. Socket release button. Thumb lever for rapid reverse.

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



⚡ 1000Volt

**31496 10 Pc. Insulated 3/8" T-handle & Socket Set**

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

<b>Item No.</b>	<b>Set includes the following:</b>
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**

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

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

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



⚡ 1000Volt

**128 Insulated 3/8" Extension Bars, EN/IEC 60900**

<b>Item No.</b>	<b>OAL</b>	<b>OAL</b>	<b>↔</b>
	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.

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

## 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:** 1/4, 9/32, 5/16, 31596 11/32, 3/8, 7/16, 1/2, 9/16, lbs. 2.06 5/8, 11/16, 3/4, 13/16, 7/8"



**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, lbs. 2.9 16, 17, 18, 19, 20, 21, 22, 24mm

## Wiha Insulated 1/2" Socket Sets On Rails



**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:** 5/16, 11/32, 3/8, 31796 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:** 31793 8, 9, 10, 11, 12, 13, 14, 15, 16, lbs. 17, 18, 19, 20, 21, 22, 23, 24, 6.28 26, 27, 28, 30, 32mm

## Wiha Insulated 1/2" Sockets & Sets

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.	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.	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

**Inch**



**1000Volt**

**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:** 31790 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**

**1/2" x 250mm Extension Bar**

11.41 **1/2" Ratchet - 260mm**

**Ins. Electrician's Knife - 50mm**

**Slotted:** 3.5, 4.5, 6.5mm

**Phillips:** #1, 2, 3

6.3" Long Nose Pliers

8.0" Combo Pliers

6.3" Diagonal Cutters

**Metric**



**1000Volt**

**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:** 31691 8, 9, 10, 12, 13, 14, 15, 17, 19, 22, 24mm Sockets

**1/2" x 125mm Extension Bar**

**1/2" x 250mm Extension Bar**

11.39 **1/2" Ratchet - 260mm**

**Ins. Electrician's Knife - 50mm**

**Slotted:** 3.5, 4.5, 6.5mm

**Phillips:** #1, 2, 3

6.3" Long Nose Pliers

8.0" Combo Pliers

6.3" Diagonal Cutters

**Wiha Insulated 1/2" Socket Sets**

 1000Volt



**31792 14 Pc. Insulated 1/2" Drive Socket Set**

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

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



 1000Volt

**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:
31694	8, 9, 10, 11, 12, 13, 14, 17, 19, 22, 24mm
lbs.	1/2" x 125mm Extension Bar
7.64	1/2" x 250mm Extension Bar
	1/2" Ratchet - 190mm

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

**Wiha Insulated 1/2" Socket accessories**



 1000Volt

**12853 Insulated 1/2" Drive Ratchet, IEC/EN 60900 & CSA**

Chrome-Vanadium steel. Reversible.

Item	OAL	OAL	↔
No.	Inch	mm	Inch lbs.
12853	1/2"	260	10.2 1.55



 1000Volt

**128 Insulated 1/2" Extension Bars, EN/IEC 60900 & CSA**

Chrome-vanadium steel.

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



 1000Volt

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

Item	Ø <sub>MM</sub>	OAL	OAL	↔
No.	Inch	mm	Inch	lbs.
29012	1/2"	200	7.9"	.68



 1000Volt

**12326 Insulated 1/2" Drive Breaker Bar, IEC/EN 60900 & CSA**

Chrome-Vanadium steel.

Item	OAL	OAL	↔
No.	Inch	mm	Inch lbs.
12326	1/2"	267	10.5 1.04

**Insulated Cable Cutters**



 1000Volt

For cutting solid aluminum & copper conductors

**11950 Cable Cutter, With Insulated Handle. Insulation According to EN/IEC, ASTM & CSA Specification, Up To 1000 Volt. Individually Tested.** Blade alloyed tool steel. Induction hardened.

Item	OAL	OAL	Capacity	↔
No.	mm	Inch	mm Inch	lbs.
11950	500	19.6	12 1/2"	3.0

For cutting multi strand aluminum & copper cables



31.5"

 1000Volt

**40800 Large Capacity Cable Cutter, With Insulated Handle Insulation According to EN/IEC 60900, ASTM F-1505 & CSA Specification, Up to 1000 Volt. Individually Tested.** Easy cutting blades, dropped forged, oil hardened. Cuts cable diameters up to 50mm. Not to be used on steel rods.

Item	OAL	OAL	Capacity	↔
No.	mm	Inch	mm Inch	lbs.
40800	800	31.5	50 2"	8.0

For cutting solid aluminum, copper & medium hard wires



 1000Volt

**29250 End Cutters, With Insulated Handle. Insulation According to EN/IEC 60900, DIN ISO 8976, ASTM F-1505 & CSA Specification. Individually Tested.** Blade alloyed tool steel. Induction hardened.

Item	OAL	OAL	Capacity	↔
No.	mm	Inch	mm	lbs.
29250	250	10	7/8"	1.1

## Wiha Insulated Ratcheting Cable Cutters

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



 **1000Volt**

**119 High Voltage Double-Insulated Ratcheting Cable Cutters** High leverage ratchet cable cutter with shear type blades cuts stranded and flexible copper and aluminum cable. Not for use on steel. Features built in safety release in all cutting positions, and high-visibility comfort grip handles.

Item No.	OAL	OAL up to	Inch	MCM Dia.	Cap.
11960	250	10.0"	500	1.25"	32ml
11975	280	11.0"	750	2.0"	52ml



 **1000Volt**

**11980 Insulated ACSR Ratcheting Cable Cutter** Replaceable tool steel cutting blades are securely mounted for accurate cutting. Handles lock in closed position for easier storage. High leverage ratchet mechanism for best cutting performance.

Item No.	OAL	OAL up to	Inch	MCM Dia.	Cap.
11980	353	13.9	477	1.25"	32ml

## Wiha Insulated Hacksaw



Uses standard 12" blade

 **1000Volt**

**19767 Hacksaw, With Insulated Handle** Insulation According to EN/IEC 60900, DIN ISO, ASTM & CSA Specification, Up To 1000 Volt. Individually Tested.

Item No.	OAL	OAL	↔
	mm	Inch	lbs.
19767	457mm	18.0"	1.92

## Wiha Insulated Serrated Tweezers

Meets EN/IEC Insulation Standards

Slip guards at tips for user safety

Two layer high contrast insulated coatings

10,000 Volt tested 1000Volt rated



Carbon steel with chrome nickel plated

 **1000V**

 **1000Volt**

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

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



 **1000Volt**

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

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



 **1000Volt**

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

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

 **1000Volt**

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

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



 **1000Volt**

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

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



 **1000Volt**

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

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





## 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

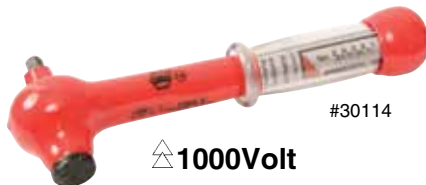
↔ lbs. 1.32

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	Ft. lbs.	pkg.
30114	1/4"	210	8.25	5-25	1.02	1
30138	3/8"	370	14.5	5-50	2.72	1
30152	1/2"	530	21.0	40-220	3.64	1



⚡ 1000Volt

**30190 16 Pc. Insulated 3/8" Drive Ratcheting Torque Wrench & Socket Set -**

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

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

<b>30190</b>	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:**

<b>30192</b>	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 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.		mm lbs.	
		Increments			
<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		Inch lbs.	
	mm	mm	Inch	lbs.
<b>28350</b>	6.0	170	6.75	.06



△1000Volt

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

Item No.	OAL		Inch lbs.	
	mm	mm	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.		mm lbs.	
		Increments			
<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



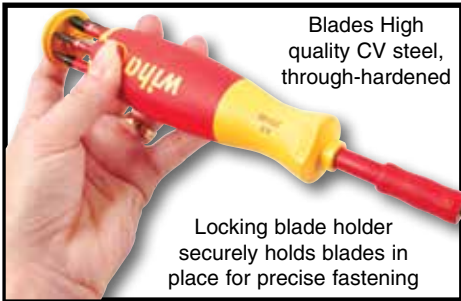
△1000Volt

### 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		Inch lbs.
			mm	Inch	
<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 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** speedE Screwdriver: Handle Range 0.4 Nm - 1.0Nm

**No.** Insulated SlimLine Blades Include:

**32490** SlimLine Slotted: 3.5, 5.5mm

↔ SlimLine Phillips: #1, #2

↔ lbs. SlimLine Square: #1, #2

2.14 SlimLine Terminal Xeno SI/Ph: #1, #2

## 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.
28366	0.8	7.0	60	2.38	.13
28367	2.0	17.7	60	2.38	.13
28368	2.5	23.1	60	2.38	.13
28369	2.8	24.7	60	2.38	.13
28371	4.0	35.4	60	2.38	.13

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

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



**28397** 4-piece SlimLine Blade Set With PicoFinish® 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



**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 No.	Slotted: 3.5mm	↔
28328	Phillips: #2	lbs.
	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 No.	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 No.	OAL	OAL	↔	↔
No.	Inch	mm	Inch	lbs.
28311	1/4	60	2.4	.08

**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.	Size	Slim Dia.	Max Dia.	Inch/ lbs.	Weight 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.	Weight 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.	Weight 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.	Weight 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.	Weight 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.	Weight 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.	Weight 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.	Weight 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 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



**1000 Volt**

**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



**1000 Volt**

**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	mm	mm	lbs.
32145	1	4.5	80	204	.12
32146	2	6.0	100	211	.21



**1000 Volt**

**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	mm	mm	mm	lbs.
30746	1	4.5	80	191	.12
30747	2	6.0	100	218	.21



**1000 Volt**

**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	mm	mm	mm	lbs.
35844	1	4.0	100	218	.12
35845	2	4.5	125	243	.19



**1000 Volt**

**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	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

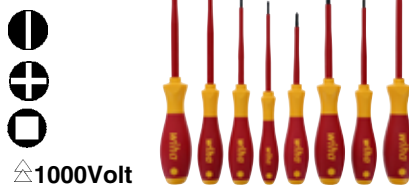
**1000 Volt**



**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



**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



**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	
		⊕	Phillips: #1, #2	lbs.
<b>32196</b>		⊕	Square: #1, #2	1.15



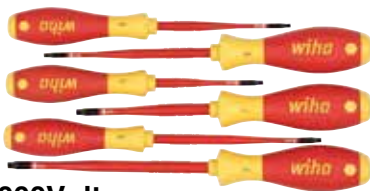
**1000Volt**

**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	
<b>32194</b>		⊕	Phillips: #1, 2	lbs. .98



**1000Volt**

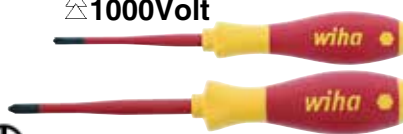
**32596**

**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,	
<b>32596</b>		T20s, T25s, T27s, T30s	lbs. 1.18

**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	
<b>30770</b>	⊕	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	
<b>32189</b>		⊕	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 No.	6 of each:	
No.	⊕	Slotted: 3.5, 4.5, 5.5mm
<b>32079</b>	⊕	Phillips: #1, #2

**Insulated PicoFinish Precision Screwdrivers**



**1000Volt**

**320**

**Insulated Slotted PicoFinish**

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

Item No.	⊕	⊕	⊕	⊕	⊕	lbs.
<b>32000</b>	1.5	.06	40	154	.05	
<b>32001</b>	2.0	.08	40	154	.07	
<b>32002</b>	2.5	.10	60	160	.07	
<b>32003</b>	3.0	.12	60	160	.08	
<b>32004</b>	3.5	.14	60	160	.08	



**1000Volt**

**321**

**Insulated Phillips PicoFinish**

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

Item No.	⊕	⊕	⊕	⊕	lbs.
<b>32106</b>	00	40	154	.05	
<b>32107</b>	0	60	160	.07	
<b>32108</b>	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.
<b>32088</b>	Phillips: #00, #0, #1	.35

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



**1000Volt**

**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.
<b>32085</b>	Phillips: #0, #1	.26

Rotating cap for precise turning and control with fingertip

## 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**

#32892



**1000Volt**

**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**

**32105** 2 Piece Slotted & Phillips Set

Item No.	Slotted	Phillips	lbs.
32105	5.5	#2	.50



**1000Volt**

**33532** 2 Piece Slotted & Phillips Set

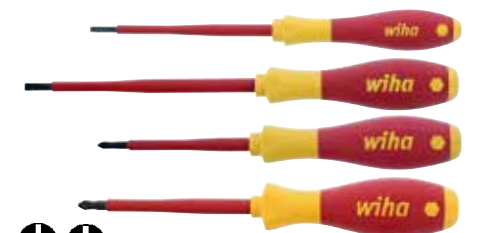
Item No.	Slotted	Phillips	lbs.
33532	6.0	#2	.50



**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



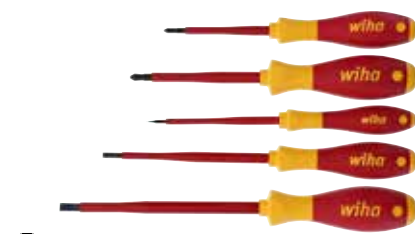
**1000Volt**





**32090** 4 Piece Slotted & Phillips Set

Item No.	Slotted	Phillips	lbs.
32090	3.5, 4.5	#1, 2	.76







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







 **1000Volt**  
**32084** 5 Piece Slotted & Phillips Set  
 Item ↓  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 ↓  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 ↓  Slotted: 3.5, 4.0, 5.5, 6.5mm  
 No.  Phillips: #1, 2, 3  
**32099**  lbs. 1.60












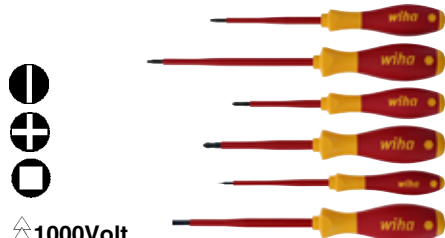
 **1000Volt**  
**32094** 13 Piece Slotted & Phillips Set  
 Item No. ↓  Slotted: 2.0, 2.5, 3.0, 3.5, 4.5, 5.5, 6.5, 8.0, 10.0mm  
**32094**  Phillips: #0, 1, 2, 3  
 lbs. 2.3


**Wiha Insulated Square Tip Screwdrivers**




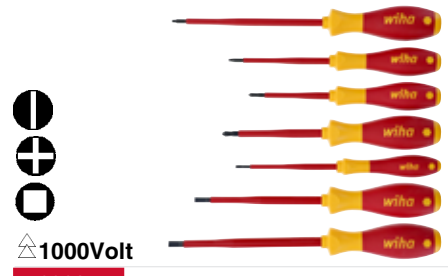
 **1000Volt**  
**358** Square Tip Screwdriver, With Wiha-SoftFinish® Handle Insulation According to ASTM, VDE, EN/IEC, NFPA70E and CSA,  up to 1000 Volt. Individually Tested. Blade high alloy CVM steel, hardened, black finish.  


Item									
No.	Size mm	Inch	mm	Inch	lbs.	pkg.			
<b>35811</b>	1	100	4.0	210	8.2	.12	10		
<b>35812</b>	2	150	6.0	268	10.5	.19	10		







 **1000Volt**  
**35891** 6 Pc. Insulated Slotted, Phillips and Square Screwdrivers  

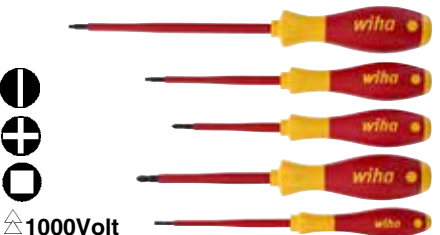
Item No.	Slotted: 3.0, 5.5mm	
<b>35891</b>	Phillips: #1, 2	lbs.
	Square: #1, 2	.83




 **1000Volt**  
**32097** 7 Piece Slotted, Phillips & Square Set In Clamshell  


Item	↓  Slotted: 3.5, 5.5, 6.5mm
No.	 Phillips: #1, 2
<b>32097</b>	 Square: #1, 2

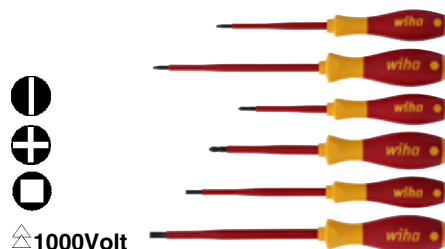
 lbs. 1.60





 **1000Volt**  
**32083** 5 Piece Slotted, Phillips & Square Set  

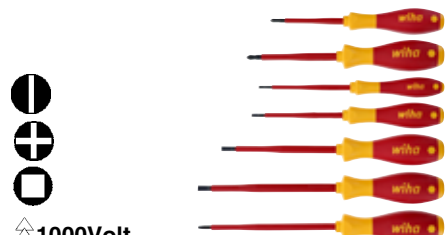
Item	Slotted: 3.5mm
No.	Phillips: #1, 2
<b>32083</b>	Square: #1, 2


 lbs. 1.31







 **1000Volt**  
**35890** 6 Pc. Insulated Slotted, Phillips and Square Screwdrivers  

Item No.	Slotted: 4.5, 6.5mm	
<b>35890</b>	Phillips: #1, 2	lbs.
	Square: #1, 2	.83



 **1000Volt**  
**32096** 7 Piece Slotted, Phillips & Square Set In Clamshell  

Item	↓  Slotted: 3.5, 4.0, 5.5, 6.5mm
No.	 Phillips: #1, 2
<b>32096</b>	 Square: #2

 lbs. 1.60

## Wiha Insulated Screwdriver Sets



Tool box set in blow molded tray

1000Volt

**32095** 19 Piece Slotted, Phillips, Square, Xeno Screwdriver Set

Insulated Screwdriver set in a light weight tool box tray.

**Item No.** **Slotted:** 2.5, 3.0, 3.5, 4.0, 4.5, 5.5, 6.0, 6.5, 8.0, 10.0mm

**Phillips:** #0, #1, #2, #3

**Square:** #1, #2

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

4.92 lbs. **Cat. III Voltage Detector - (Battery Operated)**



1000Volt

**32188** 7 Piece Slotted & Phillips Set

**Item No.**

**32188** **Slotted:** 2.0, 2.5, 3.0, 3.5, 4.0

**Phillips:** #0, 1

lbs. .92



1000Volt

**32192** 14 Piece Slot/Phil/Inch Nut Drivers & Pliers/Cutters Set

**Item No.** **Slotted:** 3.0, 4.5, 6.5mm

**32192** **Phillips:** 1, 2

**Nut Drivers Inch:** 1/4, 5/16, 11/32, 3/8, 1/2"

5.5 lbs. **8.0" Combo Pliers,**

**6.3" Diagonal Cutters**

**6.3 & 8.0" Long Nose Pliers/Cutters**

1000Volt



**32190** 15 Piece Slotted, Phillips & Inch Nut Drivers Set

**Item No.** **Slotted:** 2.0, 2.5, 3.0, 3.5, 4.5, 6.5, 8.0mm

**32190** **Phillips:** #1, 2, 3

**Nut Drivers Inch:** 1/4, 5/16, 3/8, 7/16, 1/2"

5.9 lbs.

### Cat. IV Voltage Detector - Battery Operated



1000Volt

**25505** **Battery Operated Voltage Detector Tests 50-1000 Volts. Category IV, CE IEC 61010-1** With audible sound and light warnings. (Requires 2 AAA batteries).

**Item**

**No.** mm Inch lbs.

**25505** 146 5.75 .13

### Insulated Single-Pole Voltage Detector



1000Volt

**25511** **Insulated Single-Pole Voltage Detector. 110-250Volts. Insulation According To DIN 57860/6 And DIN VDE 0680-6, GS**

**Tested.** Blade CVM steel, hardened, nickel-plated. Insulation molded directly onto blade. Amber LED light. 10,000Volt tested.

**Item**

**No.** mm mm mm Inch lbs.

**25511** 3.0 65 145 5.7 .04



1000Volt



**32087** 7 Pc. Slotted, Phillips, Square & Voltage Detector Set

**Item** **Slotted:** 4.0, 5.5, 6.5mm

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

**32087** **Square:** #2






**Ins. Single Pole Voltage Detector**

lbs. 1.36






**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, 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.	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.	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




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

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




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

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




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

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




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

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




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

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



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

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

## 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 Pozidriv® Screwdrivers**



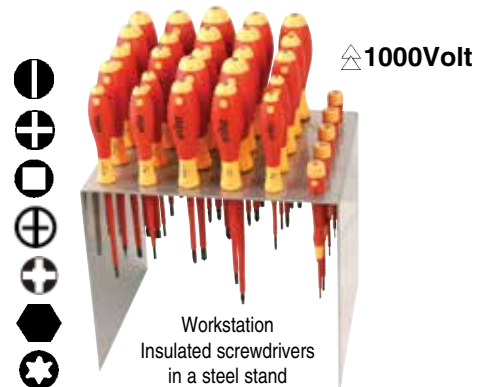
 **1000Volt**

**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**



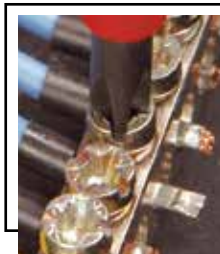
 **1000Volt**

Workstation Insulated screwdrivers in a steel stand

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

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



 **1000Volt**

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

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



## Wiha Insulated Pop-Up Insert Bit Sets

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

Blades High quality CV steel, through-hardened

Convenient rotating cap



Friction hold bit holder securely holds bits in place



1000Volt Rated  
10,000 Volt Tested

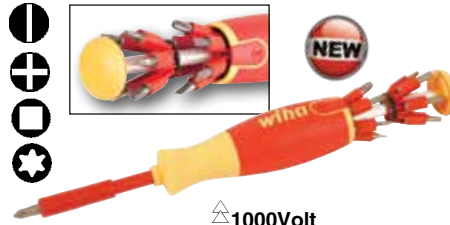


1000Volt

### 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 No.	Set includes the following bits:
38050	Slotted: 4.5, 5.5, 6.0mm
	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 No.	Set includes the following bits:
38051	Slotted: 4.5, 5.5, 6.0mm
	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 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	Capacity 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.	Opening		Capacities		wt.
	mm	Inch	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.	Opening		Capacities		wt.
	mm	Inch	Round	Hex	
32956	250	10.0	1 3/4	2	.90



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



**32960** 3-Piece Insulated Pliers and Cutters Tray Set. Patented pliers DynamicJoint® provides 40% easier cuts and significantly longer tool life.

<b>Item No.</b>	<b>Long Nose:</b> 8.0"   200mm
<b>32960</b>	<b>Angled Cutters:</b> 8.0"   200mm
	<b>NE Style Lineman's:</b> 9.5"   245mm



**32081** 5-Piece Insulated SoftFinish® Cushion Grip Screwdriver Tray Set. Designed with an ergonomic SoftFinish® cushion grip for maximum power and comfort.

<b>Item No.</b>	<b>Slotted:</b> 4.5, 5.5, 6.5mm
<b>32081</b>	<b>Phillips:</b> #1, #2



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



**32080** 10-Piece Insulated SoftFinish® Cushion Grip Screwdriver Tray Set. Designed with an ergonomic SoftFinish® cushion grip for maximum power and comfort.


<b>Item No.</b>	<b>Slotted:</b> 3.5, 4.5, 4.5, 5.5, 6.5mm
<b>32080</b>	<b>Phillips:</b> #1, #2, #3
	<b>Square:</b> #1, #2

**Notes:**

Blank space for notes.


## Insulated Industrial Pliers & Cutters

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




Industrial brushed finish

Inclusion hardened jaws and cutters to 64 HRC



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



1000V

Industrial brushed finish

Ergo comfort grip with slip guard

Two component ergo cushion grip handles

## 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, ⚡ 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.	Cutting Capacity		Copper AWG	wt.
	mm	Inch		
32930	200	8.0	#4	.90
32900	225	9.0	#4	.90

## Insulated Lineman's Pliers With Crimpers

⚡ 1000volt



Long life high performance dynamic 60/40 joint

64HRC cutting edges

**32917 Insulated Industrial Lineman's Pliers "5-In-1" Professional Design.** Insulation According to EN/IEC, ASTM, NFPA70E & CSA, ⚡ up to 1000 volt. Individually Tested. Deep cut radius conduit jaws for non-slip handling. Sure grip knurled & cross hatched flat jaw for non-slip gripping. Extra long induction hardened precision matched cutting edges. Lower crimping jaw accepts most standard non-insulated electrical connectors. Large head with square anvil surface on each side.

Item No.	Cutting Capacity		Copper AWG	wt.
	mm	Inch		
32917	225	9.0	#4	.98

## 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.	Cutting Capacity		Copper AWG	wt.
	mm	Inch		
32939	200	8.0	#4	.66

## Insulated Industrial Lineman's Pliers W/Crimpers



Knurled Striking Zone



⚡ 1000volt

**32948 Insulated Industrial Lineman's Pliers With Crimpers.** Insulation According to EN/IEC 60900, ASTM F-1505, NFPA70E and CSA, ⚡ 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.	Cutting Capacity		wt.
	mm	Inch	
32948	245	9.5	1.22

## 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, ⚡ 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.	Cutting Capacity		wt.
	mm	Inch	
32938	245	9.5	1.18

## Insulated Diagonal Cutters

Long life high performance dynamic 60/40 joint



⚡ 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.	Cutting Capacity		Copper AWG	wt.
	mm	Inch		
32933	160	6.3	#6	.64
32929	200	8.0	#6	.80



### 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.	Cutting Capacity		Copper AWG	lbs. wt.
	mm	Inch		
32926	160	6.3	#10	.36
32923	200	8.0	#8	.46

### Insulated Bent Nose Pliers

Angled 40°



 1000volt

**32928** 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.	Cutting Capacity		Copper AWG	lbs.
	mm	Inch		
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.	Cutting Capacity		lbs.
	mm	Inch	
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.	Cutting Capacity		lbs.
	mm	Inch	
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.	Cutting Capacity		Ø	mm <sup>2</sup>	lbs.
	mm	Inch			
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.	Cutting Capacity		AWG	wt.
	mm	Inch		
32944	170	6.7	#6	.58

### Insulated Crimpers



 1000volt

**32945** Insulated Industrial Crimping Pliers. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E and CSA,  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.	Cutting Capacity		mm <sup>2</sup>	AWG	wt.
	mm	Inch			
32945	180	7.0	0.25-2.5	6-30	.64

### Insulated Stripping Pliers



 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 Ø 5mm/#8 Awg.

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

## 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



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



⚡ 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



⚡ 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  
Pouch

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		



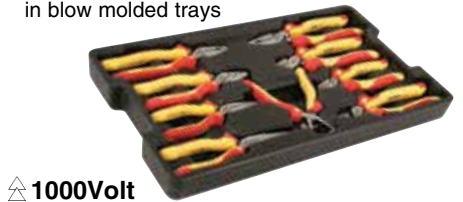
**1000volt**

**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 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,  $\Delta$  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:**  $\rightarrow$  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,  $\Delta$  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:**  $\rightarrow$  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



### $\Delta$ 1000volt

### 32935 30 Piece Insulated Journeyman's Tool Set. Insulation

According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E & CSA,  $\Delta$  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:**  $\rightarrow$  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



**Ergonomic cushion grip handles** for comfort and control



**Dual durometer construction** for long-lasting durability



**Handles direct molded to tool steel** for permanent bond

**Slip guard handle design** for added protection

**Wiha premium quality tool steel** for strength and durability


**Standard industrial brushed finish** for surface endurance

**Induction hardened cutting edges & jaws** for superior sharpness and longevity

## Master Technician's Tool Set



### 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 Slit/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



## 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.

Willi Hahn Corporation USA  
Attn: No Hassle Guarantee  
1348 Dundas Circle  
Monticello, MN 55362  
800-494-6104

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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**

**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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Catalog Item No. 99919  
 version - 9/1/21



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