



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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2018



Professional Insulated Tools

Supporting Arc Flash Protection

10,000 Volt Tested
1000 Volt Rated



#32800

Complete Insulated Program



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.

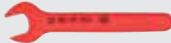
4. The Institute of Electronics and Electrical Engineers (IEEE) 1584 - 2002 Guide to Performing Arc-Flash Hazard Calculations

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OSHA

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


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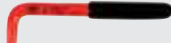
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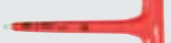

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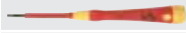


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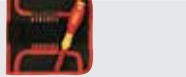
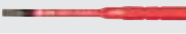

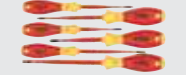
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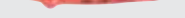
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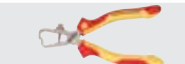

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Wiha Insulated Industrial Pliers/Cutters

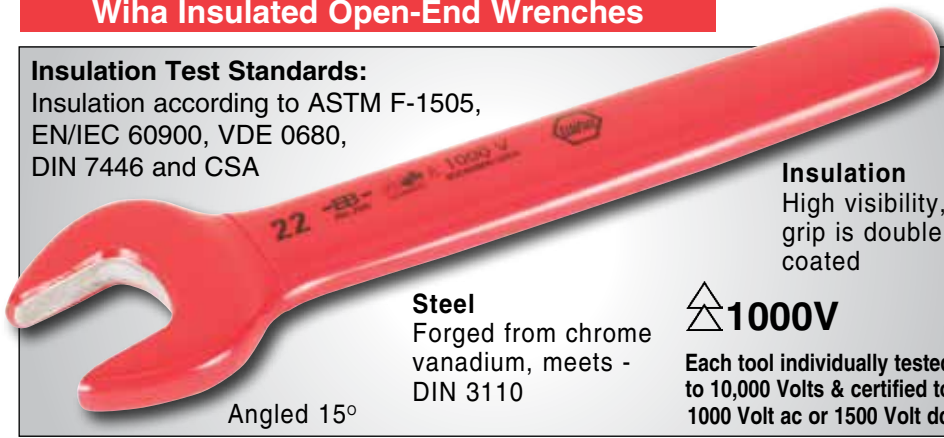
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Wiha Insulated Open-End Wrenches

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.	pkg.
20131	1/4	3.4	87.5	.04	1
20133	5/16	3.9	100	.05	1
20135	3/8	4.1	105	.09	1
20136	7/16	4.6	117	.09	1
20137	1/2	5.5	140	.15	1
20138	9/16	5.7	146	.15	1
20140	5/8	6.2	158	.20	1
20141	11/16	6.5	165	.23	1
20142	3/4	7.0	178	.33	1
20144	13/16	7.5	191	.42	1
20145	7/8	7.6	192	.44	1
20146	15/16	7.9	201	.51	1
20147	1	8.4	213	.61	1
20148	1-1/16	9.2	233	.79	1
20149	1-1/8	9.2	233	.77	1
20151	1-1/4"	7.5			1
20154	1-1/2"	7.5			1

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



1000Volt

200 Metric Open-End Wrenches, With Insulated Handle

Item No.	⊘	OAL	OAL	↵	Ⓛ
	mm	mm	Inch	lbs.	pkg.
20006	6.0	97	3.8	.04	1
20007	7.0	98	3.9	.05	1
20008	8.0	104	4.1	.07	1
20009	9.0	108	4.3	.07	1
20010	10.0	107	4.2	.08	1
20011	11.0	118	4.6	.11	1
20012	12.0	129	5.1	.11	1
20013	13.0	137	5.4	.19	1
20014	14.0	150	5.9	.19	1
20015	15.0	151	5.9	.17	1
20016	16.0	164	6.5	.22	1
20017	17.0	168	6.4	.24	1
20018	18.0	173	6.8	.41	1
20019	19.0	178	7.0	.32	1
20020	20.0	190	6.9	.36	1
20022	22.0	196	7.7	.39	1
20024	24.0	211	8.3	.58	1
20027	27.0	218	8.6	.68	1
20030	30.0	235	9.3	.97	1
20032	32.0	237	9.3	1.01	1



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.	⊘	OAL	⊘	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.	⊘	OAL	⊘	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 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.	pkg.
21325	3/8	140	5.5	.14	1
21327	7/16	143	5.6	.15	1
21329	1/2	154	6.1	.18	1
21331	9/16	162	6.4	.22	1
21333	5/8	177	7.0	.30	1
21335	3/4	209	8.2	.46	1



 **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 _{MM}	OAL	OAL	↔	↔
	mm	mm	Inch	lbs.	pkg.
21208	8.0	125	4.9	.08	1
21210	10.0	140	5.5	.12	1
21212	12.0	150	5.9	.18	1
21213	13.0	152	6.0	.18	1
21214	14.0	163	6.4	.22	1
21217	17.0	193	7.6	.38	1
21219	19.0	210	8.3	.45	1



 **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 _{MM}	OAL	Ø _{MM}	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



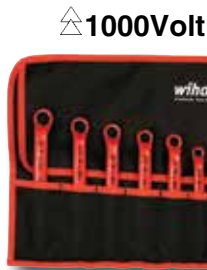
Steel Forged from chrome vanadium, meets - DIN 3110

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

1000V



1000Volt



1000Volt



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21096 8 Piece Inch Insulated Offset Ring Wrenches Set

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

21094 16 Piece Inch Insulated Offset Ring Wrenches Set

Item No.	Inch:	lbs.
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"	8.70



1000Volt



1000Volt

21095 8 Piece Metric Insulated Offset Ring Wrenches Set

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

21093 16 Piece Metric Insulated Offset Ring Wrenches Set

Item No.	Metric:	lbs.
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	8.70



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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.	mm	OAL mm	OAL Inch	lbs.	pkg.
21008	8.0	159	6.3	.16	1
21009	9.0	159	6.3	.18	1
21010	10.0	171	6.8	.20	1
21011	11.0	178	7.0	.22	1
21012	12.0	191	7.5	.30	1
21013	13.0	194	7.6	.30	1
21014	14.0	203	8.0	.34	1
21015	15.0	203	8.0	.34	1
21017	17.0	219	8.6	.44	1
21019	19.0	241	9.5	.52	1
21020	20.0	250	9.8	.58	1
21022	22.0	257	10.1	.64	1
21024	24.0	279	11.0	.90	1
21027	27.0	286	11.3	.96	1
21030	30.0	311	12.3	1.28	1
21032	32.0	318	12.5	1.38	1

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	lbs.	pkg.
76208	8.0	200	1"	.7	1

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	lbs.	pkg.
76210	10.0	250	1-1/4"	1.4	1

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	lbs.	pkg.
76212	12.0	300	1-1/2"	1.9	1

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	lbs.	pkg.
76215	15.0	380	1-11/16"	2.8	1



1000Volt

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

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

Wiha Insulated Electrician's Knives

Insulation Test Standards:

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

Insulation molded on for permanent bonding



1000V

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



1000Volt

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

Item No.	Blade mm	OAL mm	OAL Inch	lbs.	pkg.
15000	50	216	8.5	.30	1



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	lbs.	pkg.
15050	35	222	8.75	.22	1



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	lbs.	pkg.
15003	50	230	9.0	.23	1

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



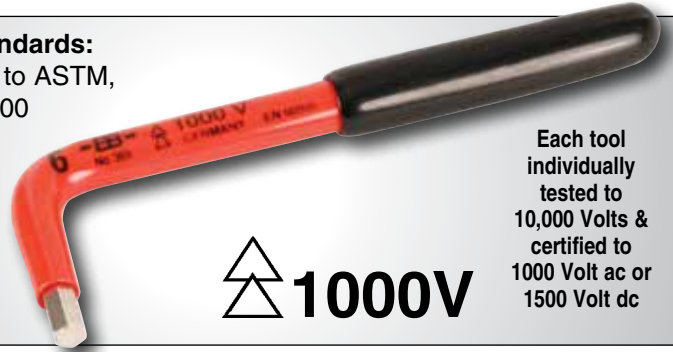
1000Volt

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	OAL	OAL	Weight	Pkg.
	Inch	mm	Inch	lbs.	
13670	1/16	79	3.1	.05	1
13671	5/64	84	3.3	.05	1
13672	3/32	89	3.5	.05	1
13673	7/64	94	3.7	.06	1
13663	1/8	104	4.1	.06	1
13665	5/32	104	4.1	.06	1
13666	3/16	134	5.3	.10	1
13667	7/32	134	5.3	.12	1
13668	1/4	134	5.3	.16	1
13669	5/16	144	5.7	.24	1
13662	3/8	234	9.2	.51	1
13664	1/2	234	9.2	.77	1

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

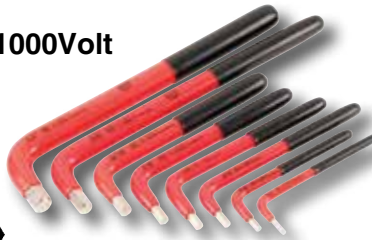
Insulation
Applied directly onto blade for permanent bonding



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	Weight
	Inch	Inch	Inch	Inch	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	Weight
	Inch	Inch	Inch	Inch	lbs.
13694	1/16	3.1	3/16	5.3	2.40
	5/64	3.3	7/32	5.3	
	3/32	3.5	1/4	5.3	
	7/64	3.7	5/16	5.7	
	1/8	4.1	3/8	9.2	
	5/32	4.1	1/2	9.2	



1000Volt

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

Item No.	Hex	OAL	OAL	Weight	Pkg.
	mm	mm	Inch	lbs.	
13650	1.5	100	3.9	.09	1
13651	2.0	105	4.1	.09	1
13652	2.5	115	4.5	.09	1
13653	3.0	130	5.1	.10	1
13654	4.0	120	4.7	.10	1
13655	5.0	140	5.5	.10	1
13656	6.0	140	5.5	.13	1
13658	8.0	150	5.9	.24	1
13659	10.0	220	8.7	.51	1
13657	12.0	260	10.2	.77	1



1000Volt

13691 7 Piece Insulated Metric Hex L-key Set

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

*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.	pkg.
31830	1/4	2.75	.22	1
31832	5/16	2.75	.24	1
31834	3/8	2.75	.25	1
31836	7/16	3.63	.31	1
31838	1/2	3.63	.34	1
31840	9/16	3.63	.36	1
31842	5/8	3.63	.42	1
31844	3/4	3.63	.51	1

*Sockets must be used with insulated ratchets & extensions

Wiha Insulated Socket Adapters / Reducers

1000Volt



#31450

#31460

#31650

Insulated Socket Adapters / Reducers CV steel, forged, oil-hardened.

Item No.	Size	lbs.	pkg.
31350	1/4 - 3/8	.	1
31450	3/8 - 1/2	.	1
31460	3/8 - 1/4	.	1
31650	1/2 - 3/8	.	1

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.	pkg.
31336	3/16	.03	1
31337	7/32	.03	1
31338	1/4	.03	1
31339	9/32	.04	1
31340	5/16	.04	1
31341	11/32	.05	1
31342	3/8	.05	1
31343	7/16	.06	1
31344	1/2	.07	1
31345	9/16	.07	1

*Sockets must be used with insulated ratchets & extensions

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.	mm	lbs.	pkg.
31326	5.0	.03	1
31327	6.0	.03	1
31328	7.0	.03	1
31329	8.0	.04	1
31330	9.0	.04	1
31331	10.0	.05	1
31332	11.0	.05	1
31333	12.0	.06	1
31334	13.0	.06	1
31335	14.0	.07	1

*Sockets must be used with insulated ratchets & extensions

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



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 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

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.	pkg.
12851	1/4"	140	5.5	.28	1

⚠️ 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.	ØMM	OAL	OAL	↔	↔
	Inch	mm	Inch	lbs.	pkg.
29006	1/4"	160	6.2"	.57	1

⚠️ 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.	pkg.
12854	1/4"	50	2.0	.08	1
12855	1/4"	100	3.9	.12	1

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.

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

*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	1	
31507	7.0	.07	1	
31508	8.0	.07	1	
31509	9.0	.07	1	
31510	10.0	.07	1	
31511	11.0	.08	1	
31512	12.0	.10	1	
31513	13.0	.10	1	
31514	14.0	.10	1	
31515	15.0	.10	1	
31516	16.0	.10	1	
31517	17.0	.11	1	
31518	18.0	.12	1	
31519	19.0	.14	1	
31520	20.0	.15	1	
31521	21.0	.17	1	
31522	22.0	.18	1	
31524	24.0	.26	1	

*Sockets must be used with insulated ratchets & extensions

Wiha Insulated 3/8" Sockets & Sets

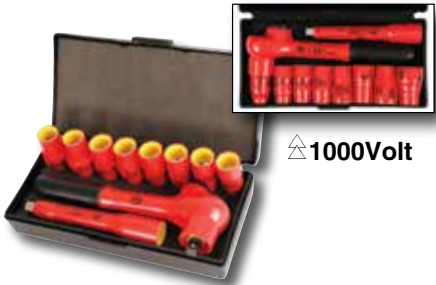


⚡ 1000Volt

31493 10 Pc. Insulated 3/8" Drive Socket

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


Item No.	Set includes the following:
31493	5/16, 3/8, 7/16, 1/2,
	9/16, 5/8, 11/16, 3/4"
lbs. 2.50	3/8" x 125mm Extension Bar 3/8" Ratchet - 190mm

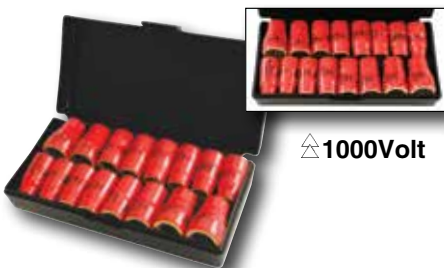


⚡ 1000Volt

31590 10 Pc. Insulated 3/8" Drive Socket

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

Item No.	Set includes the following:
31590	8, 10, 11, 12, 13, 14, 17, 19mm
	3/8" x 125mm Extension Bar
lbs. 2.50	3/8" Ratchet - 190mm

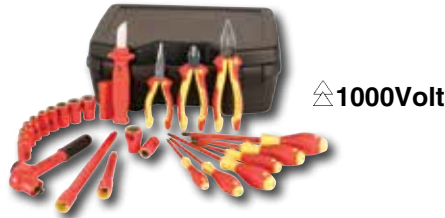


⚡ 1000Volt

31491 16 Piece Insulated 3/8" Drive Socket Set

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


Item No.	Set includes the following:
31491	5/16, 3/8, 7/16, 1/2,
	9/16, 5/8, 11/16, 3/4"
lbs. 2.01	8, 10, 11, 12, 13, 14, 17, 19mm



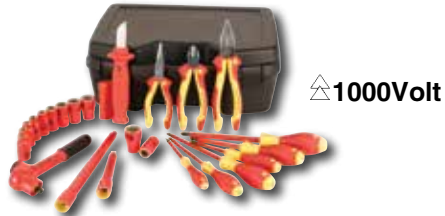
⚡ 1000Volt

31495 24 Pc. Insulated 3/8" Drive Socket

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

Item No.	Set includes the following:
31495	1/4, 9/32, 5/16, 11/32, 3/8, 7/16
	1/2, 9/16, 5/8, 11/16, 3/4" Sockets
lbs.	3/8" x 125mm Extension Bar
9.07	3/8" x 250mm Extension Bar 3/8" Ratchet - 190mm Insulated Electrician's Knife - 50mm 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.

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


Item No.	OAL	OAL		
	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.

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

31595 10 Pc. Insulated 3/8" T-handle & Socket Set

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



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

Wiha Insulated 3/8" Socket Accessories



⚡ 1000Volt

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




Item No.	OAL	OAL			pkg.
	Inch	mm	Inch	lbs.	
12856	3/8"	125	4.9	.41	1
12857	3/8"	250	9.8	.57	1



⚡ 1000Volt

1000Volt Insulated 3/8" Drive T-handle Or Breaker Bar.

Insulation according to EN/IEC 60900 specification, up to 1000Volt Rated. Individually Tested. Blade chrome-vanadium steel, hardened.

Item No.		OAL	OAL		
	Inch	mm	Inch	lbs.	pkg.
29009	3/8"	200	7.9"	.55	1
12327	3/8"	216	8.5"	.68	1

Wiha Insulated 1/2" Sockets & Sets



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.	pkg.
31703	5/16	.16	1
31704	11/32	.16	1
31705	3/8	.16	1
31707	7/16	.16	1
31708	1/2	.16	1
31709	9/16	.17	1
31710	5/8	.19	1
31712	11/16	.19	1
31713	3/4	.21	1
31714	13/16	.23	1
31715	7/8	.27	1
31716	15/16	.35	1
31718	1	.33	1
31720	1-1/8	.44	1
31722	1-1/4	.58	1

*Sockets must be used with insulated ratchets & extensions



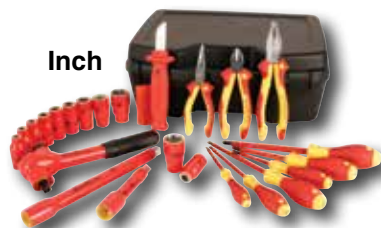
Individually Tested

1000Volt

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

Item No.	mm	lbs.	pkg.
31608	8.0	.15	1
31609	9.0	.15	1
31610	10.0	.16	1
31611	11.0	.16	1
31612	12.0	.16	1
31613	13.0	.17	1
31614	14.0	.17	1
31615	15.0	.17	1
31616	16.0	.19	1
31617	17.0	.19	1
31618	18.0	.20	1
31619	19.0	.21	1
31620	20.0	.25	1
31621	21.0	.25	1
31622	22.0	.28	1
31623	23.0	.29	1
31624	24.0	.30	1
31626	26.0	.37	1
31627	27.0	.41	1
31628	28.0	.44	1
31630	30.0	.51	1
31632	32.0	.55	1

*Sockets must be used with insulated ratchets & extensions



Inch

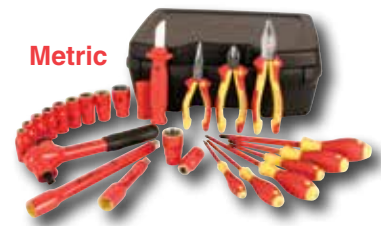
1000Volt

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
lbs.	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

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



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
lbs.	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

1000Volt



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

Item No. Set includes the following:

31792	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1"
	1/2" x 125mm Extension Bar
lbs.	1/2" x 250mm Extension Bar
7.64	1/2" Ratchet - 190mm



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
	1/2" x 125mm Extension Bar
lbs.	1/2" x 250mm Extension Bar
7.64	1/2" Ratchet - 190mm

Each tool individually tested to 10,000 volts & certified to 1000Volt ac or 1500Volt 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.	pkg.
12853	1/2"	260	10.2	1.55	1



1000Volt

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

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



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 Blade VC steel, hardened.

Item	ØMM	OAL	OAL	↔	↔	↔
No.	Inch	mm	Inch	lbs.	pkg.	
29012	1/2"	200	7.9"	.68	1	

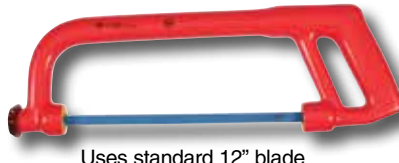


1000Volt

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

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

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	OAL	OAL	↔	↔	↔
No.	mm	Inch	lbs.	pkg.	
19767	457mm	18.0"	1.92	1	

Insulated Waterpump Pliers



1000Volt

29240 Waterpump Pliers, With Insulated Handle. Insulation According to EN/IEC 60900, DIN ISO 8976, ASTM F-1505 & CSA Specification, Up To 1000 Volt. Individually Tested Box joint. Chrome-vanadium steel, drop forged, oil hardened.

Item	OAL	OAL	Capacity	↔	↔	↔
No.	mm	Inch	mm	lbs.	pkg.	
29240	240	9.5	7/8"	1.1	1	

Insulated Cable Cutters

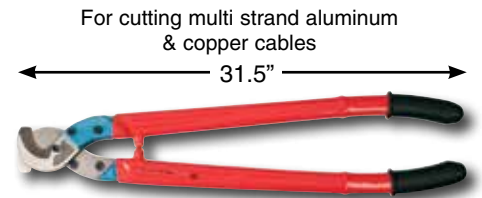


1000Volt

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.	pkg.
11950	500	19.6	12	1/2"	3.0	1



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.	pkg.
40800	800	31.5	50	2"	8.0	1



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.	pkg.	
29250	250	10	7/8"	1.1	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 mm	OAL up to Inch	↔		
			MCM Dia.	Cap.	lbs.
11960	250	10.0"	500	1.25"	32ml 1.6
11975	280	11.0"	750	2.0"	52ml 2.0



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 mm	OAL up to Inch	↔		
			MCM Dia.	Cap.	lbs.
11980	353	13.9	477	1.25"	32ml 3.42

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 mm	OAL Inch	↔	↔
			lbs.	pkg.
75205	130	5.0	.06	1



1000Volt

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

Item No.	OAL mm	OAL Inch	↔	↔
			lbs.	pkg.
75220	200	8.0	.18	1



1000Volt

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

Item No.	OAL mm	OAL Inch	↔	↔
			lbs.	pkg.
75210	130	5.0	.08	1



1000Volt

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

Item No.	OAL mm	OAL Inch	↔	↔
			lbs.	pkg.
75302	145	6.0	.08	1



1000Volt

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

Item No.	OAL mm	OAL Inch	↔	↔
			lbs.	pkg.
75215	145	6.0	.10	1



1000Volt

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

Item No.	OAL mm	OAL Inch	↔	↔
			lbs.	pkg.
75304	200	8.0	.16	1

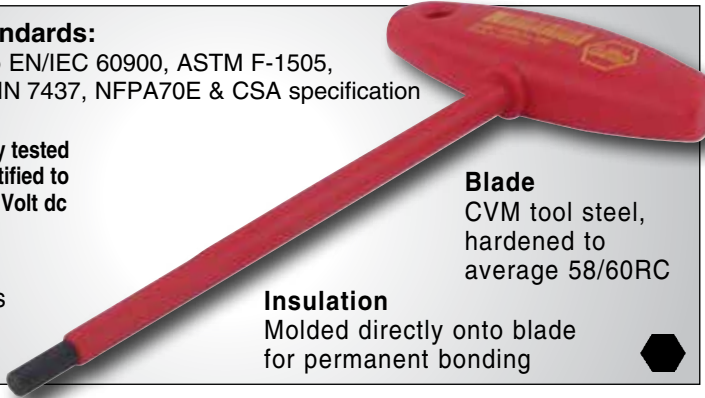
Wiha Insulated T-handle Hex Drivers

Insulation Test Standards:

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

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

Responds to OSHA's use specification 29 CFR1910



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

Insulation
Molded directly onto blade for permanent bonding












  **1000Volt**

  **1000Volt**


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

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

Item							
No.	Inch	Inch	Inch	mm	Inch	lbs.	pkg.
33481	5/32	5.9	6.9	176	6.9	.09	10
33482	3/16	5.9	6.9	176	6.9	.15	10
33483	7/32	5.9	6.9	176	6.9	.19	10
33485	1/4	5.9	7.1	176	7.1	.20	10
33486	5/16	5.9	7.1	176	7.1	.26	10
33487	3/8	5.9	7.1	176	7.1	.44	10








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



  **1000Volt**

 **1000Volt**

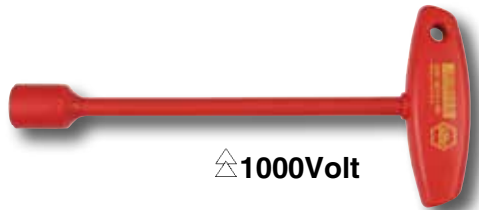
334 **Metric T-handle, With Wiha-Molded Handle.** Blade CVM steel, hardened. Insulation molded directly onto blade. Wiha-SoftFinish® handle, multi-component.

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


Item							
No.	mm	mm	Inch	mm	Inch	lbs.	pkg.
33441	4.0	150	5.9	176	6.9	.09	10
33443	5.0	150	5.9	182	7.1	.15	10
33445	6.0	150	5.9	182	7.1	.18	10
33447	8.0	150	5.9	182	7.1	.26	10
33449	10.0	150	5.9	191	7.5	.46	10








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

Wiha Insulated T-handle Metric Nut Drivers



 **1000Volt**

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

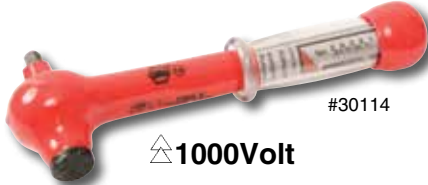
Item							
No.	mm	mm	Inch	mm	Inch	lbs.	pkg.
33632	8.0	200	7.9	232	9.1	.15	5
33634	10.0	230	9.0	262	10.3	.18	5
33637	13.0	230	9.0	262	10.3	.26	5
33641	17.0	230	9.0	268	10.6	.46	5



Wiha Insulated Torque Ratchet Wrenches



#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	OAL	↔	↔	↔
		Inch	Nm	lbs.	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

Wiha Insulated TorqueControl & SlimLine Tool Sets

In Roll-up Pouch



1000Volt



28792 16 Piece Insulated

TorqueControl Set With SlimLine Blades Certified to EN ISO 6798, 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

In Roll-up Pouch



With Certificate of Calibration

1000Volt

Certified to EN ISO 6798, 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

Wiha Insulated Torque Ratchet Wrench Sets



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:

30190	1/4, 9/32, 5/16, 11/32, 3/8, 7/16
↔	1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8"
lbs.	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



1000Volt

30192 16 Pc. Insulated 3/8" Drive

Ratcheting Torque Wrench & Socket Set - Metric CV steel, forged, oil-hardened sockets. Insulated to EN/IEC 60900.

Item No. Metric 3/8" Drive Sockets:

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

*Sockets must be used with insulated ratchets & extensions

Wiha Insulated TorqueControl Tools



* Includes Certificate

* Includes SlimLine blade holder #28350

* Requires SlimLine Blades

1000Volt



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

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

Item No.	Range	↔	↔	↔
	Inch lbs.	Increments	mm	lbs.
28750	5 - 18	.5 In/lbs	126-131	.56 1
28751	10 - 50	2 In/lbs	133-138	.74 1
28752	18 - 62	2 In/lbs	137-142	.84 1

287 Insulated TorqueVario-S

Handle - In Newton Meter Scale

Item No.	Range	↔	↔	↔
	Nm	mm	lbs.	pkg.
28740	0.5 - 2.0	131	.64	1
28741	1.0 - 5.0	138	.56	1
28742	2.0 - 7.0	142	.84	1

Each TorqueVario handle has unique serial number & certificate of calibration

Wiha Insulated TorqueControl Tools

Includes Certificate



1000Volt

*Requires SlimLine blade holder #28350

287 Insulated TorqueVario-S, With Window Scale Insulation **1000Volt.** EN/IEC 60900 EN ISO 6798, BS EN 26789, ASME B107.14M & CSA, +/- 6% Accuracy. Ergonomic multi-component handle, light & compact. Handle sizes proportioned to optimize torque range. Audible & perceptible click when torque setting has been attained.

Item No.	Range	Inch lbs.	Increments	mm	lbs.	pkg.
28724	5 - 18	.5	ln/lbs	126-131	.43	1
28726	10 - 50	2	ln/lbs	133-138	.40	1
28727	18 - 62	2	ln/lbs	137-142	.69	1

287 Insulated TorqueVario-S Handle - In Newton Meter Scale

Item No.	Range	Nm	mm	lbs.	pkg.
28734	0.5 - 2.0	131	.45	1	
28736	1.0 - 5.0	138	.45	1	
28738	2.0 - 7.0	142	.72	1	

Each TorqueVario handle has unique serial number & certificate of calibration



1000Volt

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

Item No.	OAL	OAL	Inch	lbs.	pkg.
28350	mm	mm	Inch	lbs.	pkg.
28350	6.0	170	6.75	.06	1



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	mm	Inch	lbs.	pkg.
28366	0.8	7.0	60	2.38	.13	1
28367	2.0	17.7	60	2.38	.13	1
28368	2.5	23.1	60	2.38	.13	1
28369	2.8	24.7	60	2.38	.13	1
28371	4.0	35.4	60	2.38	.13	1

Wiha Cushion Grip Stubby SlimLine Blade Holder & Set



1000Volt

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

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

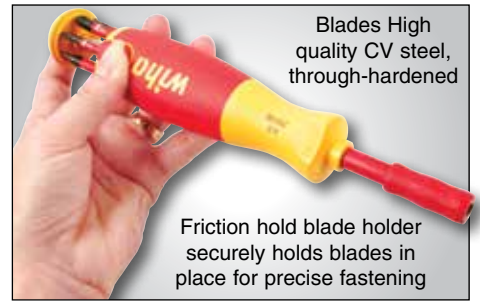
1000Volt



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

Item No.	Slotted	Phillips	Xeno SL/PH	Xeno SL/PZ	TORX	Square	Hex Metric
28396	3.0, 3.5, 4.0, 5.5mm	#1, #2	#1, #2	#1, #2	T8, T10, T15, T20	#1, #2	3.0, 4.0, 5.0mm

Wiha Insulated Pop-Up SlimLine Sets



Blades High quality CV steel, through-hardened

Friction hold 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



28393 Insulated Pop-Up "Apprentice" Blade Holder Set With SlimLine Blades Insulated cushion grip multi-component handle. Friction hold 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



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



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



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

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

Item No.	Slotted: 4.0, 6.5
28391	Phillips: #1, #2
	Xeno SL/PH: #2
	TORX: T15, T20
lbs. .45	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

Item No.	Slotted: 3.0, 5.5mm
28392	Phillips: #2
	Xeno SL/PH: #1, #2
	Square: #1, #2
lbs. .52	TORX: T8, T10, T15, T20
	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 belt wallet storage pouch.

Item No.	Slotted: 2.5, 3.0, 3.5, 4.0, 5.5, 6.5mm
28399	Phillips: #1, #2
	Pozidriv: #1, #2
	Xeno SL/PH: #1, #2
lbs. 1.20	Xeno SL/PZ: #1, #2
	TORX: T8, T9, T10, T15, T20, T25
	Square: #1, #2
	Hex Metric: 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

Item No.	Slotted: 3.0, 4.0, 5.5, 6.5
28390	Phillips: #1, #2
	Xeno SL/PH: #1, #2
lbs. .56	TORX: T8, T10, T15, T20
	Square: #1, #2
	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. In zipper case

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



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. Chrome-vanadium steel, through-hardened. Insulation molded directly onto blade. Friction hold 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

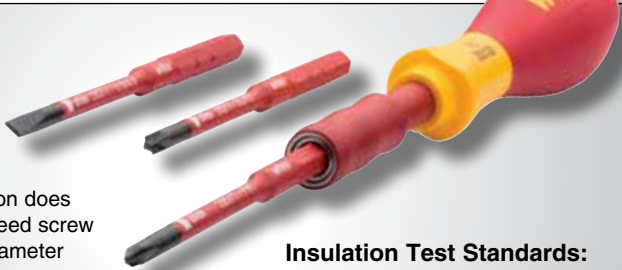
Wiha Insulated SlimLine Blades

Integrated Slim Insulation molded directly onto blade

High quality CV steel, through-hardened

Insulation does not exceed screw head diameter

1000 Volt Rated
10,000 Volt Tested



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

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



283 Insulated Slotted SlimLine Blades

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

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



283 Insulated Xeno Slotted/Pozidriv® SlimLine Blades

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

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



283 Insulated Square SlimLine Blades

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

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



283 Insulated Phillips SlimLine Blades

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

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



283 Insulated Xeno Slotted/Phillips SlimLine Blades

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

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



283 Insulated Hex Metric SlimLine Blades

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

Item No.	Size	Slim Dia.	Max Dia.	Nm	lbs.	Inch/ lbs.	Pkg.
28332	1.5	4.0	0.9	7.9	.02	1	
28333	2.0	4.0	1.8	15.9	.02	1	
28334	2.5	4.0	3.8	33.6	.02	1	
28335	3.0	4.0	5.5	48.7	.02	1	
28336	4.0	6.0	5.5	48.7	.02	1	
28337	5.0	6.0	5.5	48.7	.02	1	
28338	6.0	6.0	5.5	48.7	.02	1	



283 Insulated Pozidriv® SlimLine Blades

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

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



283 Insulated TORX® SlimLine Blades

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

Item No.	Size	Slim Dia.	Max Dia.	Nm	lbs.	Inch/ lbs.	Pkg.
28339	T8	4.0	1.3	11.5	.02	1	
28344	T9	4.0	1.3	11.5	.02	1	
28340	T10	4.0	3.8	33.6	.02	1	
28341	T15	6.0	5.5	48.7	.02	1	
28342	T20	6.0	5.5	48.7	.02	1	
28343	T25	6.0	5.5	48.7	.02	1	

Insulated PicoFinish Precision Screwdrivers



⚡ 1000Volt

320 Insulated Slotted PicoFinish

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

Item	⚡	⚡	⚡	⚡	⚡	⚡
No.	mm	Inch	mm	mm	lbs.	pkg.
32000	1.5	.06	40	154	.05	1
32001	2.0	.08	40	154	.07	1
32002	2.5	.10	60	160	.07	1
32003	3.0	.12	60	160	.08	1
32004	3.5	.14	60	160	.08	1

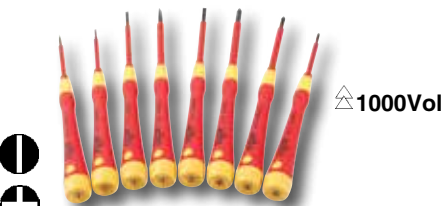


⊕ 1000Volt

321 Insulated Phillips PicoFinish

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

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



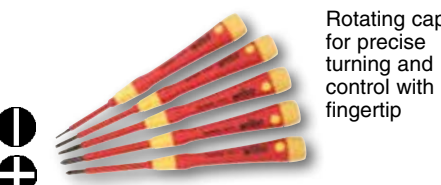
⚡ 1000Volt

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.
32088	Phillips: #00, #0, #1	.35

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



Rotating cap for precise turning and control with fingertip

32085 5 Piece Slotted & Phillips

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

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

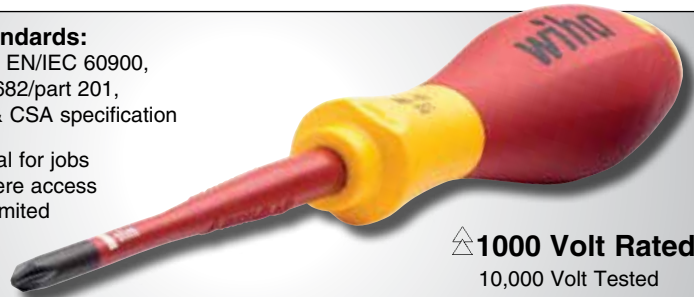
Wiha Insulated SlimLine Screwdrivers

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



⚡ 1000Volt

320 Insulated Slotted SlimLine

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

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



⊕ 1000Volt

321 Insulated Phillips SlimLine

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

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



⊕ 1000Volt

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

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



⊠ 1000Volt

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

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



⚙ 1000Volt

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

Item	⚙	⚡	⚡	⚡	⚡	⚡
No.	Size	mm	mm	lbs.	Pkg.	
32512	T10s	100	204	.08	1	
32513	T15s	100	211	.12	1	
32514	T20s	100	211	.12	1	
32515	T25s	125	243	.18	1	
32517	T27s	125	243	.21	1	
32518	T30s	125	243	.21	1	
32519	T40s	150	268	.26	1	

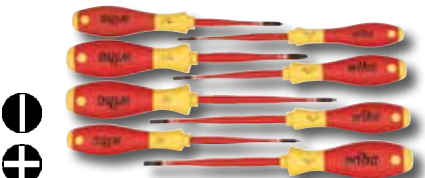
Wiha Insulated SlimLine Screwdriver Sets



⚡ 1000Volt

32198 11 Piece Insulated SlimLine
Slotted, Phillips, Xeno & Square
Screwdrivers. Insulation According to
ASTM F-1505, New VDE Specification
0682/part 201 and EN/IEC 60900, NFPA70E
& CSA, ⚡ up to 1000 Volt. Individually
Tested to 10,000Volts. High quality CV steel,
 through hardened. SlimLine blades have up
 to 33% narrower insulation diameter then
 standard insulated tools. Wiha-SoftFinish®
 handle, multi-component, cushion grip.

Item No.	Slotted: 3.5, 4.0, 4.5, 5.5, 6.5mm	
32198	Phillips: #1, 2	
	Square: #1, 2	
	Xeno: #1, 2	lbs. 1.75



⚡ 1000Volt

32197 8 Piece Insulated SlimLine
Slotted, Phillips & Square Screwdrivers.
Insulation According to ASTM F-1505, New
VDE Specification 0682/part 201 and EN/
IEC 60900, NFPA70E & CSA, ⚡ up to 1000
Volt. Individually Tested to 10,000Volts.
 High quality CV steel, through hardened.
 SlimLine blades have up to 33% narrower
 insulation diameter then standard insulated
 tools. Wiha-SoftFinish® handle, multi-
 component, cushion grip.

Item No.	Slotted: 3.5, 4.0, 4.5, 5.5mm	
32197	Phillips: #1, 2	
	Square: #1, 2	
		lbs. 1.18

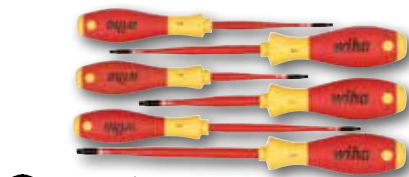
⚡ 1000Volt



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. High quality CV steel, through
 hardened. SlimLine blades have up to 33%
 narrower insulation diameter then standard
 insulated tools. Wiha-SoftFinish® handle, multi-
 component, cushion grip.

Item	Slotted: 4.5, 6.5mm	
No.	Phillips: #1, #2	lbs.
32196	Square: #1, #2	1.15

Item	Slotted: 4.5, 6.5mm	
No.	Phillips: #1, #2	lbs.
32196	Square: #1, #2	1.15



⚡ 1000Volt

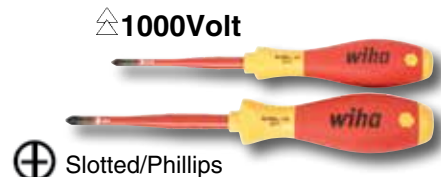
32596 6 Pc. Insulated SlimLine
Security TORX® Screwdrivers. Insulation
According to ASTM F-1505, New VDE
Specification 0682/part 201 and EN/IEC
60900, NFPA70E & CSA, ⚡ up to 1000 Volt.
Individually Tested to 10,000Volts. High
 quality CV steel, through hardened. SlimLine
 blades have up to 33% narrower insulation
 diameter then standard insulated tools.

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

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



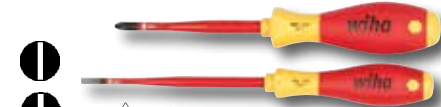
⚡ 1000Volt



⊕ Slotted/Phillips

30770 2 Pc. Insulated SlimLine Terminal
Block Xeno Slotted/Phillips Screwdrivers.
Meets ASTM, VDE, EN/IEC, NFPA70E & CSA
Specs, Tested to 10,000Volts. High quality
 CV steel, through hardened. SlimLine blades
 have up to 33% narrower insulation diameter
 then standard insulated tools.

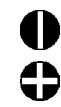
Item No.	⊕ Xeno: #1x80mm
30770	⊕ Xeno: #2x100mm
	lbs. .34



⚡ 1000Volt

32189 2 Pc. Insulated SlimLine Slotted
& Phillips Screwdrivers. Meets ASTM,
VDE, EN/IEC, NFPA70E & CSA Specs,
Individually Tested to 10,000Volts. High
 quality CV steel, through hardened. SlimLine
 blades have up to 33% narrower insulation
 diameter then standard insulated tools.

Item No.	Slotted: 4.5x125mm
32189	⊕ Phillips: #2x100mm
	lbs. .37



⚡ 1000Volt

32079 30 Pc. Insulated SlimLine Slotted
& Phillips Screwdriver Display. Meets
ASTM, VDE, EN/IEC, NFPA70E & CSA
Specs, Tested to 10,000Volts. SlimLine
 blades have up to 33% narrower insulation
 diameter then standard insulated tools. High
 quality CV steel, through hardened.

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



Wiha Insulated Screwdrivers with SoftFinish® Cushion Grip Handle

Insulation Test Standards:

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

Responds to OSHA's use specification 29 CFR1910



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

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

Insulation
Molded directly onto the blade for permanent bonding

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

1000V



1000Volt



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.	pkg.
32005	2.0	.078	5/64	60	3.0	164	6.5	.05	10
32010	2.5	.098	3/32	75	3.0	179	7.1	.06	10
32012	3.0	.118	1/8	100	4.0	204	8.0	.07	10
32015	3.5	.139	9/64	100	4.0	204	8.0	.07	10
32017	4.0	.157	5/32	100	4.0	211	8.3	.12	10
32023	4.5	.177	3/16	100	4.0	211	8.3	.12	10
32024	4.5	.177	3/16	125	5.0	236	9.3	.12	10
32027	4.5	.177	3/16	150	6.0	261	10.2	.14	10
32025	4.5	.177	3/16	175	7.0	286	11.2	.13	10
32028	4.5	.177	3/16	200	8.0	311	12.3	.15	10
32031	5.5	.216	7/32	125	5.0	243	9.5	.15	10
32026	5.5	.216	7/32	175	7.0	293	11.5	.21	10
32034	6.0	.236	15/64	150	6.0	268	10.6	.21	10
32039	6.5	.255	1/4	150	6.0	268	10.6	.21	10
32042	8.0	.315	5/16	175	7.0	299	11.8	.34	10
32045	10.0	.393	3/8	200	8.0	318	12.5	.39	10



1000Volt

32105 2 Piece Slotted & Phillips Set

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



1000Volt

33532 2 Piece Slotted & Phillips Set

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

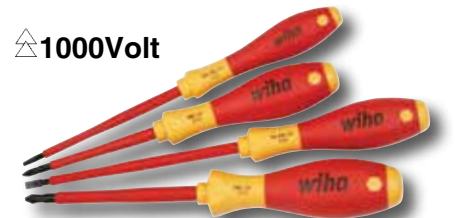
1000Volt



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

Item No.	Size	mm	Inch	mm	Inch	lbs.	pkg.
32100	0	60	2.4	164	6.5	.06	10
32101	1	80	3.0	191	7.5	.12	10
32102	2	100	4.0	218	8.6	.20	10
32103	3	150	6.0	268	10.6	.34	10
32104	4	200	8.0	318	12.5	.39	10

1000Volt

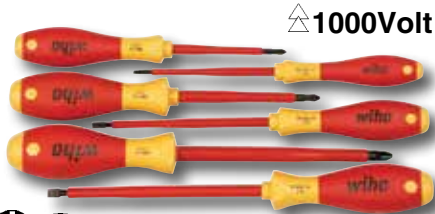


1000Volt

32090 4 Piece Slotted & Phillips Set

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

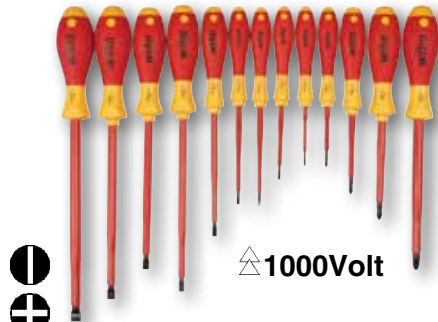
Wiha Insulated Screwdriver Sets



⚡ 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

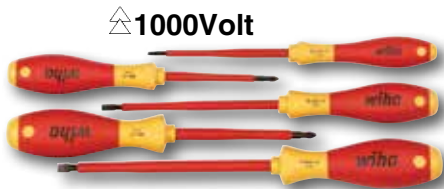


32094 13 Piece Slotted & Phillips Set
 Item No. Slotted: 2.0, 2.5, 3.0, 3.5, 4.5,
 32094 5.5, 6.5, 8.0, 10.0mm
 Phillips: #0, 1, 2, 3
 ⚖ lbs. 2.3

⚡ 1000Volt



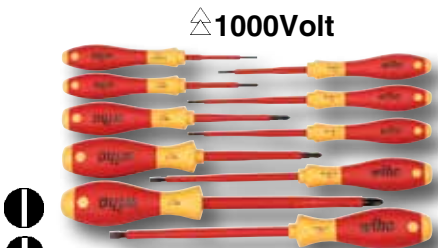
32192 14 Piece Slot/Phil/Inch Nut Drivers & Pliers/Cutters Set
 Item No. Slotted: 3.0, 4.5, 6.5mm
 32192 Phillips: 1, 2
 ⚖ Nut Drivers Inch: 1/4, 5/16, lbs. 11/32, 3/8, 1/2"
 5.5 8.0" Combo Pliers,
 6.3" Diagonal Cutters
 6.3 & 8.0" Long Nose Pliers/Cutters



⚡ 1000Volt



32091 5 Piece Slotted & Phillips Set
 Item No. ⚡ Slotted: 3.0, 4.5, 6.5
 32091 ⚡ Phillips: #1, 2
 ⚖ lbs. 1.31



⚡ 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



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



⚡ 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



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,
 32095 5.5, 6.0, 6.5, 8.0, 10.0mm
 Phillips: #0, #1, #2, #3
 ⚖ Square: #1, #2
 lbs. Xeno Terminal: #1, #2
 4.92 Cat. III Voltage Detector - (Battery Operated)

Wiha Insulated Hex Metric Screwdrivers

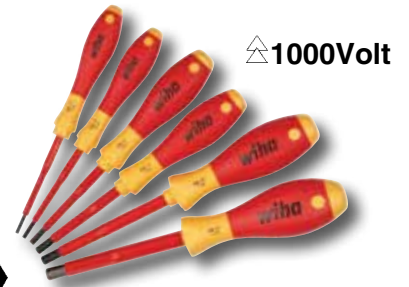


⚡ 1000Volt

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.	pkg.
32302	2.5	75	3.0	179	7.0	.06	10
32303	3.0	75	3.0	179	7.0	.08	10
32304	4.0	75	3.0	186	7.3	.12	10
32305	5.0	75	3.0	186	7.3	.15	10
32306	6.0	100	3.9	218	8.6	.24	10
32308	8.0	100	3.9	218	8.6	.34	10



⚡ 1000Volt

32366 6 Piece Insulated Hex Metric Screwdriver Set

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

Wiha Insulated TORX® Screwdrivers

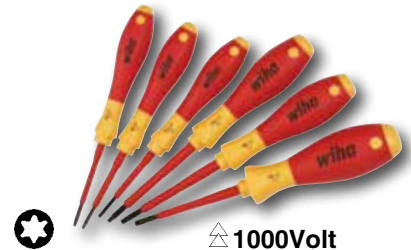


⚡ 1000Volt

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.

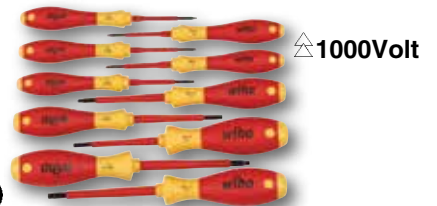
Item No.	Size	mm	Inch	mm	Inch	lbs.	pkg.
32505	T5	60	2.4	164	6.5	.06	10
32511	T6	60	2.4	164	6.5	.06	10
32516	T7	60	2.4	164	6.5	.06	10
32521	T8	60	2.4	164	6.5	.06	10
32526	T9	60	2.4	164	6.5	.06	10
32531	T10	60	2.4	164	6.5	.06	10
32536	T15	80	3.0	191	7.5	.12	10
32541	T20	80	3.0	191	7.5	.12	10
32546	T25	80	3.0	198	7.8	.17	10
32551	T27	100	4.0	218	8.6	.20	10
32556	T30	100	4.0	218	8.6	.20	10
32561	T40	150	6.0	274	10.8	.30	10
32566	T45	150	6.0	274	10.8	.35	10



⚡ 1000Volt

32590 6 Piece TORX® Set

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



⚡ 1000Volt

32592 10 Piece TORX® Set

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

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.

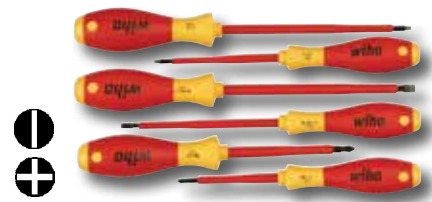
Item No.	Size	mm	Inch	mm	Inch	lbs.	pkg.
35811	1	100	4.0	210	8.2	.12	10
35812	2	150	6.0	268	10.5	.19	10



⚡ 1000Volt

35891 6 Pc. Insulated Slotted, Phillips & Square Screwdrivers

Item No.	Slotted: 3.0, 5.5mm	⚖
35891	Phillips: #1, 2	lbs.
	Square: #1, 2	.83



⚡ 1000Volt

35890 6 Pc. Insulated Slotted, Phillips & Square Screwdrivers

Item No.	Slotted: 4.5, 6.5mm	⚖
35890	Phillips: #1, 2	lbs.
	Square: #1, 2	.83

Wiha Insulated Pozidriv® Screwdrivers

 **1000Volt**

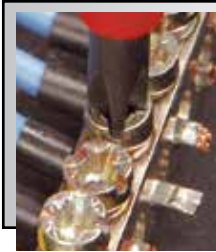


324 Pozidriv® Screwdriver, With Wiha SoftFinish® Handle. Insulation According to ASTM F-1505, VDE, 0682/part 201, EN/IEC 60900, NFPA70E & CSA specification.

Individually Tested.


Item No.	Size	mm	mm	Inch	lbs.	pkg.
32400	0	60	164	6.5	.11	10
32401	1	80	191	7.5	.13	10
32402	2	100	218	8.6	.23	10
32403	3	150	267	10.5	.30	5

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.	pkg.
30700	1	80	191	7.5	.13	10
30701	2	100	218	8.6	.23	10



 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.	pkg.
30711	1	80	191	7.5	.12	10
30712	2	100	218	8.6	.21	10

Cat. III Voltage Detector - Battery Operated



 **1000Volt**



25500 Battery Operated Voltage Detector Tests 90-1000 Volts. Category III, CE IEC 61010-1 With audible sound and light warnings. Requires 2 AAA batteries.

Item No.	mm	Inch	lbs.	pkg.
25500	150	6.0	.13	1

Insulated Single-Pole Voltage Detector



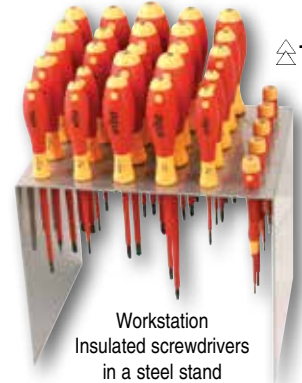
 **1000Volt**

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.	pkg.
25511	3.0	65	145	5.7	.04	1

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

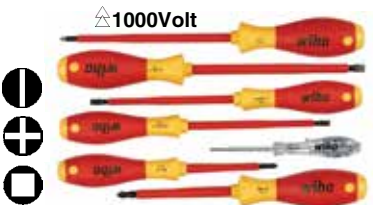
Insulated Drivers & Voltage Detector Sets



 **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: #2
	Ins. Single Pole Voltage Detector
lbs. 1.81	



 **1000Volt**

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

Item No.	Slotted: 4.0, 5.5, 6.5mm
32087	Phillips: #1, #2
	Square: #2
	Ins. Single Pole Voltage Detector
lbs. 1.36	