

2020



PROFESSIONAL INSULATED TOOLS



Supporting Arc
Flash Protection

COMPLETE INSULATED PROGRAM



2 Tools that work for you

Arc Flash Protection:

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

ARC FLASH

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

WHY ARC FLASHES HAPPEN

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

ARC FLASH COMPLIANCE

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

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

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

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


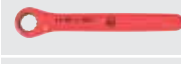
4. The Institute of Electronics and Electrical Engineers (IEEE) 1584 – 2002 Guide to Performing Arc-Flash Hazard Calculations

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<http://www.martinarcflash.com>


OSHA

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

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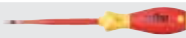

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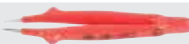
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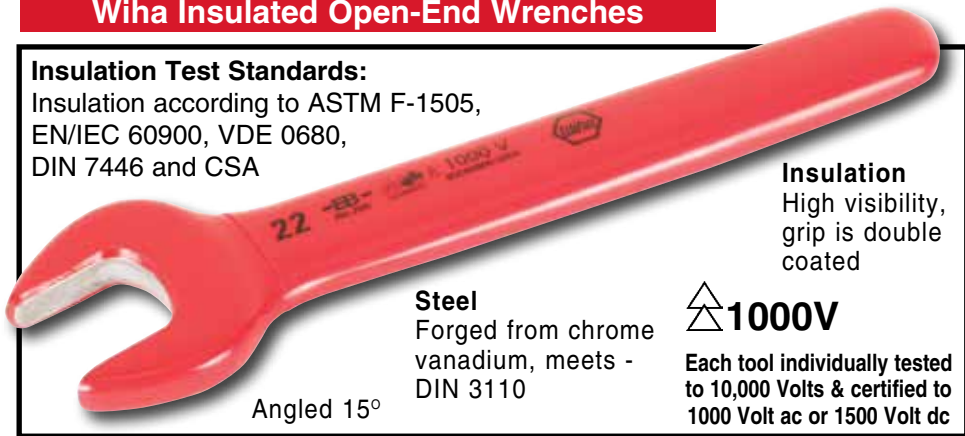
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Wiha Insulated Open-End Wrenches

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.	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.	⊘ _{MM}	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.	⊘ _{MM}	OAL	⊘ _{MM}	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.	⊘ _{MM}	OAL	⊘ _{MM}	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 1/4 Inch Insulated Ratchet Wrenches, With Insulated Handle Insulation According to EN/IEC 60900, ISO 3110 Specification, Up To 1000 Volt. Individually Tested.

Blade chrome-vanadium steel, hardened.

Item No.	Ø	OAL	OAL	↔	↔
	Inch	mm	Inch	lbs.	pkg.
21319	1/4	188	7.4	.11	1
21321	5/16	188	7.4	.12	1
21323	11/32	188	7.4	.13	1
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
21334	11/16	260	10.25	.44	1
21335	3/4	209	8.2	.46	1
21336	13/16	337	13.25	.80	1
21337	7/8	337	13.25	.72	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.

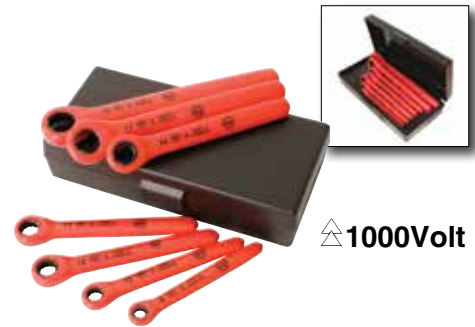
Item No.	Ø	OAL	OAL	↔	↔
	mm	mm	Inch	lbs.	pkg.
21208	8.0	125	4.9	.08	1
21209	9.0	188	7.4	.13	1
21210	10.0	140	5.5	.12	1
21211	11.0	210	8.25	.21	1
21212	12.0	150	5.9	.18	1
21213	13.0	152	6.0	.18	1
21214	14.0	163	6.4	.22	1
21215	15.0	260	10.25	.37	1
21216	16.0	260	10.25	.42	1
21217	17.0	193	7.6	.38	1
21218	18.0	260	10.25	.49	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	OAL	Ø	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



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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



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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



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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



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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.	Ø _{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



NOTES:

WARNING!

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

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.	pkg.
13670	1/16	79	3.1	.375	.05	1
13671	5/64	84	3.3	.50	.05	1
13672	3/32	89	3.5	.625	.05	1
13673	7/64	94	3.7	.625	.06	1
13663	1/8	104	4.1	1.0	.06	1
13665	5/32	104	4.1	1.0	.06	1
13666	3/16	134	5.3	1.25	.10	1
13667	7/32	134	5.3	1.5	.12	1
13668	1/4	134	5.3	1.5	.16	1
13669	5/16	144	5.7	1.5	.24	1
13662	3/8	234	9.2	1.63	.51	1
13664	1/2	234	9.2	1.63	.77	1



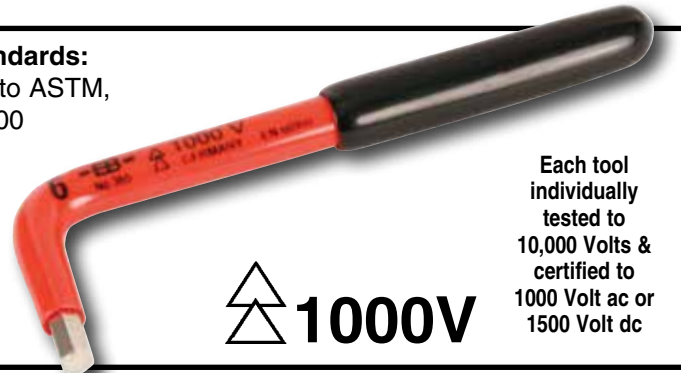
1000Volt

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.	pkg.
13650	1.5	100	3.9	20	.09	1
13651	2.0	105	4.1	20	.09	1
13652	2.5	115	4.5	20	.09	1
13653	3.0	130	5.1	25	.10	1
13654	4.0	120	4.7	40	.10	1
13655	5.0	140	5.5	45	.10	1
13656	6.0	140	5.5	45	.13	1
13658	8.0	150	5.9	50	.24	1
13659	10.0	220	8.7	50	.51	1
13657	12.0	260	10.2	60	.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	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.	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.	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

#31350 #31450 #31460 #31650

Insulated Socket Adapters / Reducers

CV steel, forged, oil-hardened.

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

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



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.	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

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
↔	1/4" x 50mm Extension Bar
↔	1/4" x 100mm Extension Bar
lbs.	1.41 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	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 - 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			
No.	Inch	mm	Inch	lbs.	pkg.
12852	3/8"	190	7.5	.93	1




⚡ 1000Volt

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

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


Item No. Set includes the following:

31496	5/16, 3/8, 7/16, 1/2, 9/16, 5/8,
	11/16, 3/4"
lbs. 2.47	3/8" x 125mm Extension Bar Insulated 3/8" T-handle

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

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

Item No. Set includes the following:

31595	8, 10, 11, 12, 13, 14, 17, 19mm
	3/8" x 125mm Extension Bar
lbs. 2.47	Ins. 3/8" T-handle



Wiha Insulated 3/8" Socket Accessories



⚡ 1000Volt

128 Insulated 3/8" Extension Bars,

EN/IEC 60900 Chrome-Vanadium steel.




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

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.	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



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

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

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.	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

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

Insulated Cable Cutters



 **1000Volt**

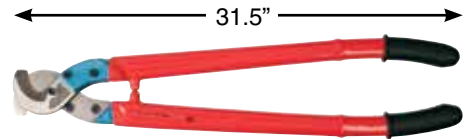
For cutting solid aluminum & copper conductors

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



 **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.

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

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.	pkg.
19767	457mm	18.0"	1.92	1

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.	pkg.
75205	130	5.0	.06	1



 **1000Volt**

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

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



 **1000Volt**

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

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



 **1000Volt**

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

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



 **1000Volt**

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

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

 **1000Volt**

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

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

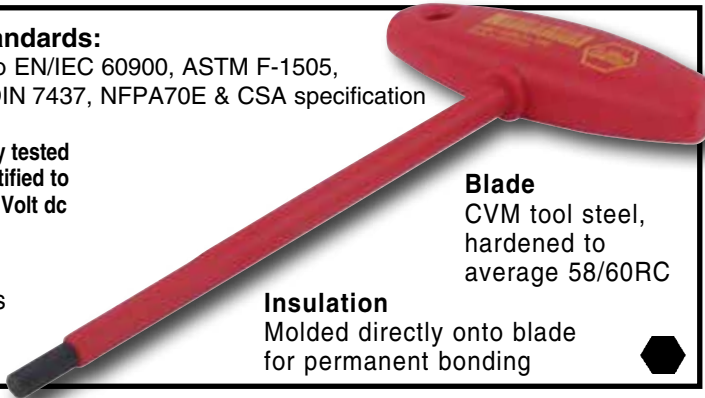
Wiha Insulated T-handle Hex Drivers

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:	lbs.
33490	5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	1.66

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

  **1000Volt**



  **1000Volt**

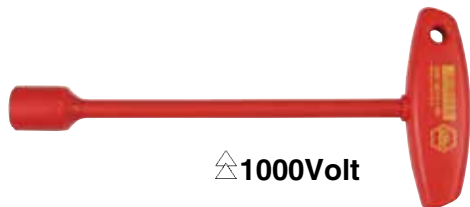
334 **Metric T-handle, With Wiha-Molded Handle.** Blade CVM steel, hardened. Insulation molded directly onto blade. Wiha-SoftFinish® handle, multi-component.

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


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

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

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.

NOTES:

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 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

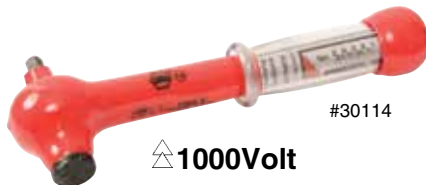
↔ lbs. 1.32

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 - 1/2" CV steel, forged, oil-hardened sockets. Insulated to EN/IEC 60900.

Item No.	Inch 3/8" Drive Sockets:
30190	1/4, 9/32, 5/16, 11/32, 3/8, 7/16
↔ lbs.	1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8"
8.80	3/8" x 125mm Extension Bar
	3/8" x 250mm Extension Bar
	3/8" Drive Ratcheting Torque Wrench - 5-50 Nm

*Sockets must be used with insulated ratchets & extensions



⚡ 1000Volt

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

Item No.	Metric 3/8" Drive Sockets:
30192	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20mm
↔ lbs.	3/8" x 125mm Extension Bar
8.80	3/8" x 250mm Extension Bar
	3/8" Drive Ratcheting Torque Wrench - 5-50 Nm

*Sockets must be used with insulated ratchets & extensions

Wiha Insulated 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.


Item	Slotted: 4.0, 6.5mm
No.	Phillips: #1, 2
28789	Square: #1, 2
	Terminal Xeno SI/Pz: #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.

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

Includes Certificate



1000Volt

*Requires SlimLine blade holder #28350

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

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

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

Item No.	Range	Inch	lbs.	Increments	mm	lbs.	pkg.
28724	5 - 18	.5	In/lbs	126-131	.43	1	
28726	10 - 50	2	In/lbs	133-138	.40	1	
28727	18 - 62	2	In/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	0.8 - 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	6.0	170	6.75	.06	1



1000Volt

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

Item No.	OAL	OAL	Inch	lbs.	pkg.
28700	6.0	180	7.1	.08	1



* 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.	pkg.
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	0.8 - 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 Easy TorqueControl Adapters

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



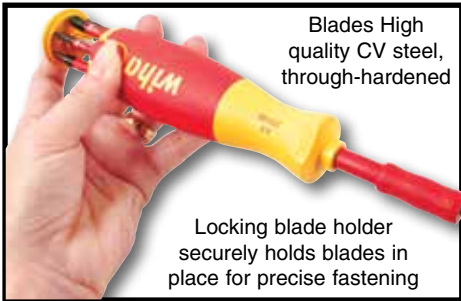
1000Volt

283 Insulated Easy-TorqueControl Adapters

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

Item No.	Nm	In/lbs	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 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® ELECTRIC

speedE that works for you



Packaging

H 2-5/8"

W 10-1/4"

L 6-1/8"



32480 13 Pc. speedE Electric Screwdriver With SlimLine Blades

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

Item No.	speedE Screwdriver: Handle Range 0.4 Nm	
	Insulated SlimLine Blades Include:	↔ lbs.
32480	SlimLine Slotted: 3.5, 5.5mm	2.14
	SlimLine Phillips: #1, #2	
	SlimLine Square: #1, #2	
	SlimLine Terminal Xeno SI/Ph: #1, #2	

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

Wiha Insulated Easy TorqueControl Adapters

Add more torque to your speedE with Easy TorqueControl adapters



283 Insulated Easy-TorqueControl

Adapters Ideal for torque sensitive terminations. For use with SlimLine blades.

Repeatable accuracy to +/- 10%

Item No.	Nm	ln/lbs	OAL mm	OAL Inch	↔ lbs.
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

Wiha Insulated SlimLine Blade Sets




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
lbs. .45	TORX®: T15, T20
	28301 - SlimLine Blade Holder




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
lbs. .52	Square: #1, #2
	TORX®: T8, T10, T15, T20
	28301 - SlimLine Blade Holder




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



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

Item No.	Slotted: 2.5, 3.0, 3.5, 4.0, 5.5, 6.5mm
28399	Phillips: #1, #2
	Pozidriv®: #1, #2
lbs. 1.20	Xeno SL/PH: #1, #2
	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




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



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: 3.0, 3.5, 4.0, 5.5mm
28396	Phillips: #1, #2
	Xeno SL/PH: #1, #2
lbs. .85	Xeno SL/PZ: #1, #2
	TORX®: T8, T10, T15, T20
	Square: #1, #2
	Hex Metric: 3.0, 4.0, 5.0mm
	SlimLine Stubby Blade Holder

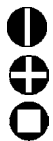
Wiha PicoFinish® SlimLine Blade Holder



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 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.	pkg.
28316	1/4	70	2.8	.06	1



1000Volt

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

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

Wiha Insulated SlimLine Blades



Insulation Test Standards:

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

Integrated Slim Insulation molded directly onto blade

Insulation does not exceed screw head diameter

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

1000 Volt Rated
10,000 Volt Tested

High quality CV steel, through-hardened



283 Insulated Slotted SlimLine Blades

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

Item No.	Size	Slim Dia.	Max Dia.	Inch/	lbs.	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 Phillips SlimLine Blades

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

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

283 Insulated Pozidriv® SlimLine Blades

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

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

283 Insulated Xeno Slotted/Pozidriv® SlimLine Blades

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

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

283 Insulated Xeno Slotted/Phillips SlimLine Blades

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

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

283 Insulated Square SlimLine Blades

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

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

283 Insulated TORX® SlimLine Blades

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

Item No.	Size	Slim Dia.	Max Dia.	Inch/	lbs.	lbs.	Pkg.
28325	T6	4.0	.6	5.31	.02	1	
28326	T7	4.0	.9	7.9	.02	1	
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	

283 Insulated Hex Metric SlimLine Blades

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

Item No.	Size	Slim Dia.	Max Dia.	Inch/	lbs.	lbs.	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	



28372 7 Piece SlimLine Blade Set

High quality CV steel, through hardened, black finish.

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

28373 7 Piece SlimLine Blade Set

High quality CV steel, through hardened, black finish.

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



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: 4.0, 5.5mm	Phillips: #1, #2	Hex: 2.5, 3.0, 4.0mm	TORX®: T15, T20, T25	Square: #1, #2
28348					

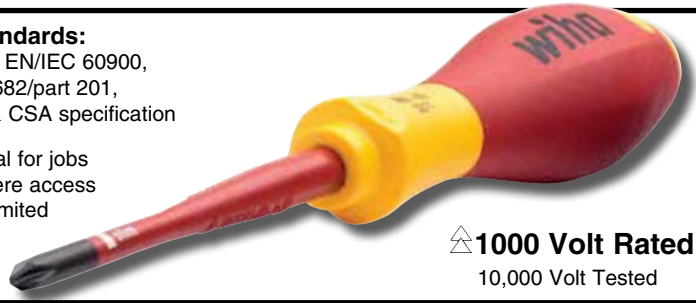
Wiha Insulated SlimLine Screwdrivers

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



1000Volt

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

Item No.	Size	mm	Inch	Slim Dia. mm	mm	lbs.	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 No.	Size	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 No.	Size	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 No.	Size	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



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 than 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 than standard insulated tools. Wiha-SoftFinish® handle, multi-component, cushion grip.

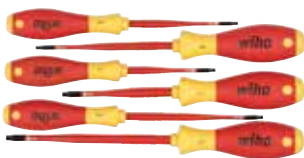
Item No. Slotted: 3.5, 4.0, 4.5, 5.5mm
32197 Phillips: #1, 2
Square: #1, 2
 lbs. 1.18

Wiha Insulated SlimLine Screwdriver Sets



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, Δ 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	lbs.
No.	Phillips: #1, #2	
32196	Square: #1, #2	1.15

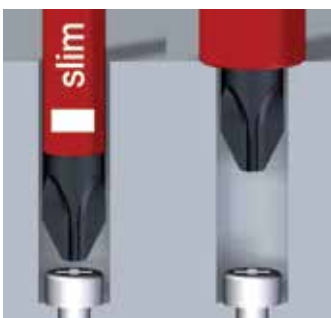


32596 6 Pc. Insulated SlimLine Security TORX® Screwdrivers. Insulation According to ASTM F-1505, New VDE Specification 0682/part 201 and EN/IEC 60900, NFPA70E & CSA, Δ up to 1000 Volt. Individually Tested to 10,000Volts. High quality CV steel, through hardened. SlimLine blades have up to 33% narrower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

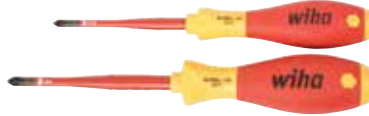
Item No.	Security TORX®: T10s, T15s, T20s, T25s, T27s, T30s	lbs.
32596		1.18

Wiha Slim TECHNOLOGY

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



Δ 1000Volt



\oplus 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	lbs.
30770	Xeno: #2x100mm	.34



Δ 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	lbs.
32189	Phillips: #2x100mm	.37

Δ 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:	lbs.
No.	Slotted: 3.5, 4.5, 5.5mm	
32079	Phillips: #1, #2	

Insulated PicoFinish Precision Screwdrivers



Δ 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



Δ 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



Δ 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

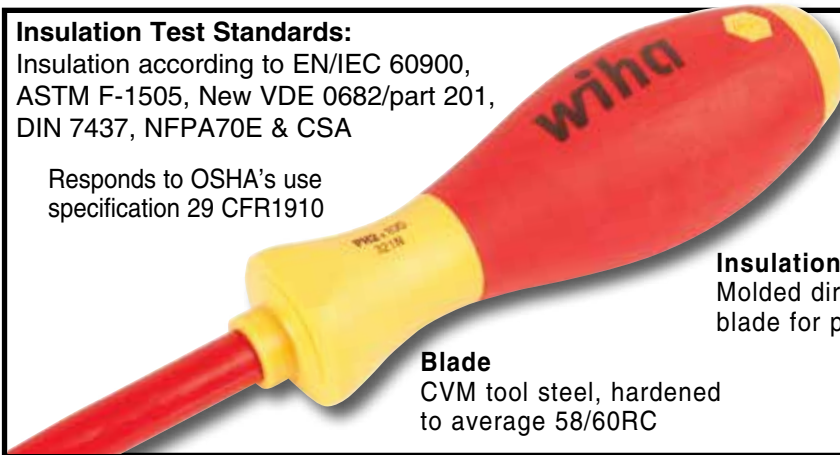


Wiha Insulated Screwdrivers with SoftFinish® Cushion Grip Handle

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: 5.5	Phillips: #2	lbs. .50
32105			



1000Volt

33532 2 Piece Slotted & Phillips Set

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

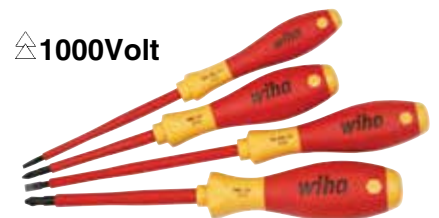


1000Volt

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



32090 4 Piece Slotted & Phillips Set

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

Wiha Insulated Screwdrivers with SoftFinish® Cushion Grip Handle



⚡ 1000Volt

32092 6 Piece Slotted & Phillips Set

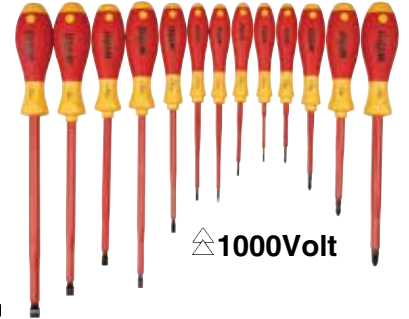
Item No.	⚡ Slotted: 3.5, 4.5, 6.5
32092	⚡ Phillips: #1, 2, 3
	↔ lbs. 1.38



⚡ 1000Volt

32099 7 Piece Slotted & Phillips Set In Clamshell

Item No.	⚡ Slotted: 3.5, 4.0, 5.5, 6.5mm
32099	⚡ Phillips: #1, 2, 3
	↔ lbs. 1.60



⚡ 1000Volt

32094 13 Piece Slotted & Phillips Set

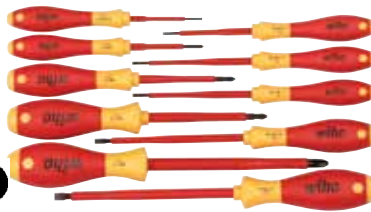
Item No.	⚡ Slotted: 2.0, 2.5, 3.0, 3.5, 4.5, 5.5, 6.5, 8.0, 10.0mm
32094	⚡ Phillips: #0, 1, 2, 3
	↔ lbs. 2.3



⚡ 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

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.

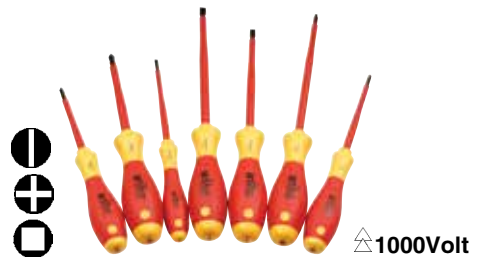
Item No.	Size mm	Inch	mm	Inch	lbs.	pkg.
35811	1	100	4.0	210	8.2	.12 10
35812	2	150	6.0	268	10.5	.19 10



⚡ 1000Volt

35891 6 Pc. Insulated Slotted, Phillips & Square Screwdrivers

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



⚡ 1000Volt

32097 7 Piece Slotted, Phillips & Square Set In Clamshell

Item No.	⚡ Slotted: 3.5, 5.5, 6.5mm
32097	⚡ Phillips: #1, 2
	⚡ Square: #1, 2
	↔ lbs. 1.60



⚡ 1000Volt

32083 5 Piece Slotted, Phillips & Square Set

Item No.	⚡ Slotted: 3.5mm
32083	⚡ Phillips: #1, 2
	⚡ Square: #1, 2
	↔ lbs. 1.31



⚡ 1000Volt

35890 6 Pc. Insulated Slotted, Phillips & Square Screwdrivers

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



⚡ 1000Volt

32096 7 Piece Slotted, Phillips & Square Set In Clamshell

Item No.	⚡ Slotted:
32096	⚡ Phillips: #
	⚡ Square: #
	↔ 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
32095	Phillips: #0, #1, #2, #3
	Square: #1, #2
lbs.	Xeno Terminal: #1, #2
4.92	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"
	lbs. 5.5	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"
	lbs. 5.9			

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. pkg.
25505	146 5.75 .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

 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				

Wiha Insulated Metric & Inch Nut Drivers



⚡1000Volt



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.	pkg.
32206	4.0	125	236	9.3	.15	10
32209	5.0	125	236	9.3	.16	10
32212	5.5	125	236	9.3	.16	10
32215	6.0	125	236	9.3	.16	10
32218	7.0	125	243	9.6	.25	10
32221	8.0	125	243	9.6	.25	10
32224	9.0	125	243	9.6	.25	10
32227	10.0	125	243	9.6	.27	10
32230	11.0	125	243	9.6	.37	10
32233	12.0	125	243	9.6	.38	10
32236	13.0	125	243	9.6	.39	10
32238	14.0	125	243	9.6	.39	10
32239	15.0	125	243	9.6	.40	10
32240	16.0	125	243	9.6	.42	10
32241	17.0	125	243	9.6	.44	10

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

Item						
No.	Inch	Inch	mm	Inch	lbs.	pkg.
32255	5/32	5.0	236	9.3	.15	10
32258	3/16	5.0	236	9.3	.15	10
32261	7/32	5.0	236	9.3	.16	10
32264	1/4	5.0	243	9.6	.24	10
32267	5/16	5.0	243	9.6	.25	10
32268	11/32	5.0	242	9.6	.26	10
32270	3/8	5.0	243	9.6	.26	10
32273	7/16	5.0	243	9.6	.36	10
32276	1/2	5.0	243	9.6	.39	10
32278	9/16	5.0	243	9.6	.39	10
32280	5/8	5.0	243	9.6	.41	10



⚡1000Volt



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



⚡1000Volt



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

⚡1000Volt



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



⚡1000Volt



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



⚡1000Volt



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



⚡1000Volt



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

In roll-up pouch

Wiha Insulated Hex Metric Screwdrivers



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, Δ 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



32366 6 Piece Insulated Hex Metric Screwdriver Set

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

Wiha Insulated TORX® Screwdrivers



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, Δ 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



32590 6 Piece TORX® Set

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



32592 10 Piece TORX® Set

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







Wiha Insulated Pozidriv® Screwdrivers

 1000Volt

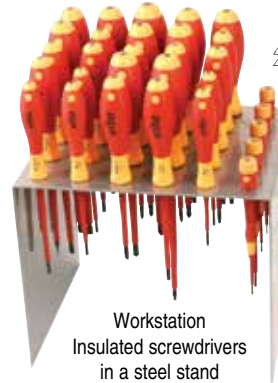


324 Pozidriv® Screwdriver, With Wiha SoftFinish® Handle. Insulation According to ASTM F-1505, VDE, 0682/part 201, EN/IEC 60900, NFPA70E & CSA specification.

Individually Tested.

Item						
No.	Size	mm	mm	Inch	lbs.	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

Wiha Insulated Screwdrivers



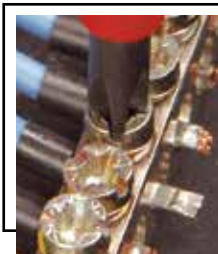
 1000Volt

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.	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

Insulated Drivers & Voltage Detector Sets



 1000Volt

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

Item	Slotted: 3.5, 4.0, 4.5, 5.5mm
32089	Phillips: #1, #2
	Xeno Sit/Ph: #1, #2
lbs. 1.81	Ins. Single Pole Voltage Detector

Wiha Insulated Belt Pack Pouch Sets

Insulated Belt Packs

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



Chrome Finish Pliers & Cutters



⚡ 1000Volt

32886 17 Pc. Insulated Pop-Up Bit Holder & Pliers/Cutters Set

High quality CV steel, through hardened. Cushion grip handle with magnetic holder to securely hold bits. Pliers & Cutters additionally induction hardened. Hard chrome finish for long lasting corrosion protection. Two component insulated soft grip handle.

Item No.	Set Includes 1/4" Insert Bits:
32886	Slotted: 4.5, 5.5, 6.0mm
	Phillips: #0, 1, 2, 3
	Square: #1, 2, 3
	TORX® : T15, T20, T25
	↔ 8.0"/200mm Long Nose Pliers
lbs.	8.0"/200mm High Lev. Cutters
3.72	9.5"/245mm Lineman's Pliers

Wiha Insulated Pop-Up Insert Bit Sets

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

Convenient rotating cap



Blades High quality CV steel, through-hardened

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



⚡ 1000Volt

32875 5 Pc. Insulated Pliers/Cutters & SlimLine Screwdrivers In Belt Pack Pouch

Tools meet EN/IEC, ASTM, VDE, NFPA70E & CSA standards. Pliers chrome finish for long lasting corrosion protection. Soft grip ergo designed handle body, safety slip guard. Insulated cushion grip drivers, multi-component. Blade CVM tool steel, hardened.

Item No.	Insulated Pliers/Cutters
32875	9.0" / 225mm Lineman's Pliers
	8.0" / 200mm Long Nose Pliers
	Insulated SlimLine SoftFinish® Screwdrivers:
	Slotted: 4.5, 6.5mm • Phillips: #2
	↔ lbs. 2.26



⚡ 1000Volt

32872 5 Piece Insulated Pliers/Cutters & Screwdrivers In Belt Pack Pouch

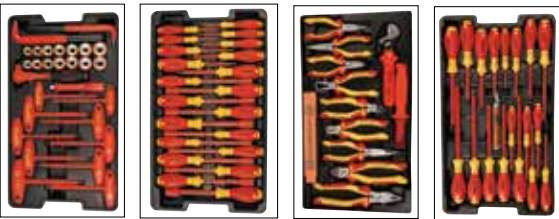
Tools meet EN/IEC, ASTM, VDE, NFPA70E & CSA standards. Pliers chrome finish for long lasting corrosion protection. Soft grip ergo designed handle body, safety slip guard. Insulated cushion grip drivers, multi-component. Blade CVM tool steel, hardened.

Item No.	Insulated Pliers/Cutters
32872	6.3" / 160mm Diagonal Cutters
	8.0" / 200mm Long Nose Pliers
	Insulated SoftFinish® Drivers:
	Slotted: 3.0, 4.5mm • Phillips: #2
	↔ lbs. 1.77

Wiha Insulated Master Electrician's Tools



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



Insulation Test Standards:

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

32800 80-Piece Insulated Master Electrician's Tool Set In Rolling Water Tight Traveling Tool Box - 10,000Volt Tested, 1000Volt Rated

Item# 32800	Set Includes:	↔ lbs. 41.5
6.3" Long Nose Pliers	6.3" Diagonal Cutters	
8.0" Long Nose Pliers	8.0" High Leverage Cutters	
6.3" Bent Nose Pliers	6.3" Cable Cutters	
6.3" Long Flat Nose Pliers	6.3" Stripping Pliers	
9.0" Combo Pliers/Crimpers	8.0" Adjustable Wrench	
Insulated Inch Sockets: 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8"	Insulated Slotted: 2.5, 3.0, 3.5, 4.0, 4.5, 5.5, 6.0, 6.5, 8.0, 10.0mm	
Insulated Metric Sockets: 13.0, 14.0, 15.0, 17.0, 19.0, 20.0, 22.0mm	Insulated Phillips: #0, 1, 2, 3	
Insulated Ratchet 3/8" Drive	Insulated Xeno Slotted/Phillips Terminal: #1, 2	
Insulated 4.9" Extension 3/8" Dr.	Insulated Square: #1, 2	
Insulated Inch Nut Drivers: 7/32, 1/4, 5/16, 3/8, 7/16"	Insulated TORX: T6, T7, T8, T9, T10, T15, T20, T25, T30	
Insulated Metric Nut Drivers: 5.0, 5.5, 6.0, 7.0, 8.0, 10.0, 13.0mm	Insulated L-key: 10mm	
Insulated T-handle Inch Hex: 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	Insulated L-key: 1/2"	
Insulated T-handle Metric Hex: 4.0, 5.0, 6.0, 8.0mm	Insulated Cable Knife: 50mm	
	Insulated Folding Ruler In/MM	
	Cat. IV Voltage Detector- 50-1000 Volt, Battery Operated	

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



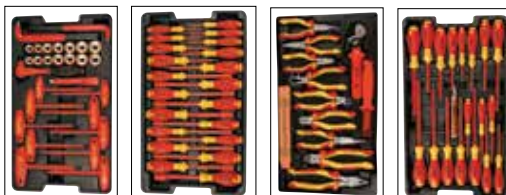
All Tools In Dedicated Positions For Quick Storage & Easy Location Tracking



Inch



Metric



32801 112-Piece Insulated Master Electrician's Tool Set In Rolling Water Tight Traveling Tool Box - 10,000Volt Tested, 1000Volt Rated

Item# 32800	Set Includes:	↔ lbs. 41.5
6.3" Long Nose Pliers	6.3" Diagonal Cutters	
8.0" Long Nose Pliers	8.0" High Leverage Cutters	
6.3" Bent Nose Pliers	6.3" Cable Cutters	
6.3" Long Flat Nose Pliers	6.3" Stripping Pliers	
9.0" Combo Pliers/Crimpers	8.0" Adjustable Wrench	
Insulated Inch Sockets: 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8"	Insulated Slotted: 2.5, 3.0, 3.5, 4.0, 4.5, 5.5, 6.0, 6.5, 8.0, 10.0mm	
Insulated Metric Sockets: 13.0, 14.0, 15.0, 17.0, 19.0, 20.0, 22.0mm	Insulated Phillips: #0, 1, 2, 3	
Insulated Ratchet 3/8" Drive	Insulated Xeno Slotted/Phillips Terminal: #1, 2	
Insulated 4.9" Extension 3/8" Dr.	Insulated Square: #1, 2	
Insulated Inch Nut Drivers: 7/32, 1/4, 5/16, 3/8, 7/16"	Insulated TORX: T6, T7, T8, T9, T10, T15, T20, T25, T30	
Insulated Metric Nut Drivers: 5.0, 5.5, 6.0, 7.0, 8.0, 10.0, 13.0mm	Cat. IV Voltage Detector- 50-1000 Volt, Battery Operated	
Insulated T-handle Inch Hex: 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	Insulated Inch Deep Offset Ring Wrenches: 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"	
Insulated T-handle Metric Hex: 4.0, 5.0, 6.0, 8.0mm	Insulated Metric Deep Offset Ring Wrenches: 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	
Insulated L-key: 10mm		
Insulated L-key: 1/2"		
Insulated Cable Knife: 50mm		
Insulated Folding Ruler In/MM		

Wiha 1000Volt Insulated Tool Sets - Comfort Grip Handles

Master Electrician's Sets



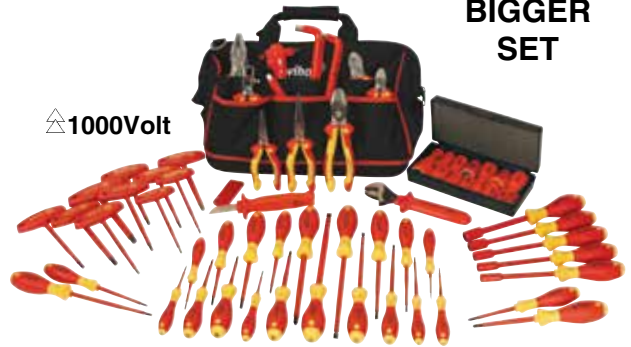
1000Volt



**80 Pc.
BIGGEST
SET**



1000Volt



**66 Pc.
BIGGER
SET**

32877 80 Piece Insulated Master Electrician's Set

Item# 32877	Set Includes:	Weight lbs. 27.0
6.3" Long Nose Pliers	6.3" Diagonal Cutters	
6.3" Bent Nose Pliers	8.0" BiCut SuperCut	
8.0" Long Nose Pliers	8.0" Cable Cutters	
6.3" Long Flat Nose Pliers	6.3" Stripping Pliers	
9.0" Combo Pliers/Crimpers	8.0" Adjustable Wrench	
Insulated Slotted 2.0mm	Insulated Nut Driver 7/32"	
Insulated Slotted 2.5mm	Insulated Nut Driver 1/4"	
Insulated Slotted 3.0mm	Insulated Nut Driver 5/16"	
Insulated Slotted 3.5mm	Insulated Nut Driver 3/8"	
Insulated Slotted 4.0mm	Insulated Nut Driver 7/16"	
Insulated Slotted 4.5mm	Insulated Nut Driver 5.0mm	
Insulated Slotted 5.5mm	Insulated Nut Driver 5.5mm	
Insulated Slotted 6.0mm	Insulated Nut Driver 6.0mm	
Insulated Slotted 6.5mm	Insulated Nut Driver 7.0mm	
Insulated Slotted 8.0mm	Insulated Nut Driver 8.0mm	
Insulated Slotted 10.0mm	Insulated Nut Driver 10.0mm	
Insulated Phillips #0	Insulated Nut Driver 13.0mm	
Insulated Phillips #1	Insulated T-handle Hex 5/32"	
Insulated Phillips #2	Insulated T-handle Hex 3/16"	
Insulated Phillips #3	Insulated T-handle Hex 7/32"	
Insulated Slit/Ph Terminal #1	Insulated T-handle Hex 1/4"	
Insulated Slit/Ph Terminal #2	Insulated T-handle Hex 5/16"	
Insulated Torx T6	Insulated T-handle Hex 3/8"	
Insulated Torx T7	Insulated T-handle Hex 4.0mm	
Insulated Torx T8	Insulated T-handle Hex 5.0mm	
Insulated Torx T9	Insulated T-handle Hex 6.0mm	
Insulated Torx T10	Insulated T-handle Hex 8.0mm	
Insulated Torx T15	Insulated L-key 10mm	
Insulated Torx T20	Insulated L-key 1/2"	
Insulated Torx T25	Insulated Cable Knife 50mm	
Insulated Torx T30	Insulated Folding Ruler In/MM	
Insulated Square #1	Insulated Ratchet 3/8" Dr.	
Insulated Square #2	Insulated 4.9" Extension	
Insulated Socket 1/2"	Insulated Socket 13mm	
Insulated Socket 9/16"	Insulated Socket 14mm	
Insulated Socket 5/8"	Insulated Socket 15mm	
Insulated Socket 11/16"	Insulated Socket 17mm	
Insulated Socket 3/4"	Insulated Socket 19mm	
Insulated Socket 13/16"	Insulated Socket 20mm	
Insulated Socket 7/8"	Insulated Socket 22mm	

32876 66 Pc. Master Electrician's Set. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E & CSA,

up to 1000 volt. Individually Tested. Pliers drop-forged from special tool steel, individually high frequency induction hardened, chrome/nickel plated, mirror-polished. Cushion Grip Insulated handles.

Item# 32876	Set Includes:	Weight lbs. 21.5
8.0" Long Nose	6.3" Side Cutters	
6.3" Long Flat Nose	8.0" BiCut SuperCut	
9.0" Combo Pliers/Crimpers	6.3" Stripping Pliers	
8.0" Cable Cutters	8.0" Adjustable Wrench	
Insulated Nut Driver 1/4"	Insulated Slotted 2.0mm	
Insulated Nut Driver 5/16"	Insulated Slotted 2.5mm	
Insulated Nut Driver 11/32"	Insulated Slotted 3.0mm	
Insulated Nut Driver 3/8"	Insulated Slotted 4.0mm	
Insulated Nut Driver 7/16"	Insulated Slotted 4.5mm	
Insulated T-handle Hex 4.0mm	Insulated Slotted 5.5mm	
Insulated T-handle Hex 5.0mm	Insulated Slotted 6.0mm	
Insulated T-handle Hex 6.0mm	Insulated Slotted 8.0mm	
Insulated T-handle Hex 8.0mm	Insulated Slotted 10.0mm	
Insulated T-handle Hex 5/32"	Insulated Phillips #0	
Insulated T-handle Hex 3/16"	Insulated Phillips #1	
Insulated T-handle Hex 7/32"	Insulated Phillips #2	
Insulated T-handle Hex 1/4"	Insulated Phillips #3	
Insulated T-handle Hex 5/16"	Insulated Torx T8	
Insulated T-handle Hex 3/8"	Insulated Torx T10	
Insulated Hex L-key 10.0mm	Insulated Torx T15	
Insulated Hex L-key 1/2"	Insulated Torx T20	
Insulated Socket 1/2"	Insulated Torx T25	
Insulated Socket 9/16"	Insulated Torx T30	
Insulated Socket 5/8"	Insulated Square #1	
Insulated Socket 11/16"	Insulated Square #2	
Insulated Socket 3/4"	Insulated Slit/Ph Terminal #1x80	
Insulated Socket 13/16"	Insulated Slit/Ph Terminal #2x100	
Insulated Socket 7/8"	Insulated Cable Knife 50mm	
Insulated Socket 8.0mm	Insulated Extension 4.9"	
Insulated Socket 10.0mm	Insulated Ratchet 3/8" Drive	
Insulated Socket 13.0mm	Insulated Socket 17.0mm	
Insulated Socket 14.0mm	Insulated Socket 19.0mm	
Insulated Socket 15.0mm	Insulated Socket 22.0mm	

Wiha 1000Volt Insulated Tool Sets - Comfort Grip Handles



32874 50 Piece Insulated Tool Set. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E & CSA, ⚡ up to 1000 volt. Individually Tested. Pliers drop-forged from special tool steel, individually high frequency induction hardened, chrome/nickel plated, mirror-polished. Cushion Grip Insulated handles. Canvas tool bag.

Item# 32874	Set Includes:	↔ lbs. 19.8
6.3" Long Nose Pliers	6.3" Side Cutters	
8.0" Long Nose Pliers	8.0" BiCut SuperCut	
6.3" Combination Pliers	6.3" Stripping Pliers	
9.0" Combo Pliers/Crimpers	8.0" Adjustable Wrench	
10.0" Water Pump Pliers	Battery Operated Voltage Detector	
Slotted: 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.5, 6.0, 6.5, 8.0mm		
Phillips: #0, 1, 2, 3 Square: #1, 2 Sit/Ph Terminal: #1, 2		
TORX: T8, T9, T10, T15, T20, T25, T27, T30		
Hex Inch: 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"		
Nut Driver Inch: 7/32, 1/4, 5/16, 3/8, 7/16, 1/2"		
50mm Cable Stripping Knife & Insulated Inch/Metric Folding Ruler		



32879 25 Pc. Pliers & Screwdriver Set. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E & CSA, ⚡ up to 1000 volt. Individually Tested.

Pliers drop-forged from special tool steel, individually high frequency induction hardened, chrome/nickel plated, mirror-polished. In tool box.

Item# 32879	Set Includes:	↔ lbs. 11.92
8.0" Long Nose	6.3" Stripping Pliers	
9.0" Combination Pliers	Insulated Inch & Metric Folding Ruler	
8.0" BiCut SuperCut	8.5" Insulated Knife	
Slotted: 3.0, 4.5, 6.0mm	Phillips: #1, #2	
Square: #1, #2	Terminal Block Driver: #1, #2	
Inch Nut Driver: 1/4, 5/16, 11/32, 3/8, 7/16, 1/2"		
Metric Nut Driver: 7.0, 8.0, 10.0, 13.0mm		



32878 13 Piece Pliers & Screwdriver Set. In canvas tool bag

Item# 32878	Set Includes:	↔ lbs. 5.16
8.0" Long Nose	50mm Cable Stripping Knife	
8.0" BiCut SuperCut	Insulated Slotted: 3.0mm	
9.0" Combo Pliers/Crimpers	Insulated Slotted: 4.5mm	
Insulated Phillips: #1	Insulated Slotted: 6.0mm	
Insulated Phillips: #2	Insulated Square: #1	
Insulated Sit/Ph Terminal: #1	Insulated Square: #2	
Insulated Sit/Ph Terminal: #2		



32896 31 Pc. Pliers & Screwdriver Set. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E & CSA, ⚡ up to 1000 volt. Individually Tested. Pliers drop-forged from special tool steel, individually high frequency induction hardened, chrome/nickel plated, mirror-polished. Set includes Insulated Inch & Metric folding ruler.

Item# 32896	Set Includes:	↔ lbs. 12.85
6.3" Long Nose Pliers	6.3" Side Cutters	
8.0" Long Nose Pliers	8.0" BiCut SuperCut	
7.0" Linemans Pliers	6.3" Stripping Pliers	
9.0" Combination Pliers	6.3" Round Nose Pliers	
Slotted: 2.0, 2.5, 3.0, 3.5, 4.5, 5.5, 6.5, 8.0, 10.0mm		
Phillips: #0, #1, #2, #3		
Inch Nut Driver: 5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16"		

Wiha Insulated Pliers with High Visibility Comfort Grip Handle

⚡ 1000Volt



- Pliers drop-forged from special tool steel, individually high frequency induction hardened, chrome and nickel plated, mirror-polished.
- In zipper carry case

32891 10 Piece Pliers & Screwdriver Set

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

Item# 32891	Set Includes:	↕ lbs. 5.54
8.0" Combination Pliers	8.0" Long Nose	
8.0" BiCut SuperCut	6.3" Cable Cutters	
6.3" Universal Wire Stripper		
Insulated Phillips #1	Insulated Slotted 4.5mm	
Insulated Phillips #2	Insulated Slotted 6.5mm	
Insulated Phillips #3		



- Pliers drop-forged from special tool steel, individually high frequency induction hardened, chrome and nickel plated, mirror-polished.
- In zipper carry case

⚡ 1000Volt

32895 14 Piece Pliers & Screwdriver Set

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

Item# 32895	Set Includes:	↕ lbs. 6.60
8.0" Long Nose	6.3" Side Cutters	
9.0" Combination Pliers	8.0" BiCut SuperCut	
6.3" Stripping Pliers	Insulated Slotted 2.5mm	
Insulated Phillips #1	Insulated Slotted 3.0mm	
Insulated Phillips #2	Insulated Slotted 3.5mm	
Insulated Phillips #3	Insulated Slotted 4.5mm	
Insulated Slotted 2.0mm	Insulated Slotted 6.5mm	



⚡ 1000Volt

32888 11 Piece Pliers & Screwdriver Set In Canvas Pouch

Item# 32888	Set Includes:	↕ lbs. 3.58
6.3" Long Nose	6.3" Side Cutters	
8.0" Combination Pliers	6.3" Stripping Pliers	
Insulated Slotted 2.5mm	Insulated Phillips #0	
Insulated Slotted 3.5mm	Insulated Phillips #1	
Insulated Slotted 4.5mm	Insulated Phillips #2	
Insulated Slotted 6.0mm		



⚡ 1000Volt

32892 10 Piece Pliers & Screwdriver Set. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E & CSA, ⚡ up to 1000 volt. Individually Tested.

Pliers drop-forged from special tool steel, individually high frequency induction hardened, chrome and nickel plated, mirror-polished. In canvas tool bag

Item# 32892	Set Includes:	↕ lbs. 6.64
8.0" Bent Nose	8.0" Combination Pliers	
6.3" Long Nose	6.3" Side Cutters	
Insulated Phillips #0	Insulated Slotted 3.0mm	
Insulated Phillips #1	Insulated Slotted 4.5mm	
Insulated Phillips #2	Insulated Slotted 6.5mm	



⚡ 1000Volt

32894 13 Piece Pliers & Screwdriver Set In canvas tool bag

Item# 32894	Set Includes:	↕ lbs. 9.5
8.0" Bent Nose	8.0" Combination Pliers	
6.3" Long Nose	6.3" Side Cutters	
10" Water Pump Pliers		
Insulated Slotted: 4.5 & 6.5mm	Insulated Nut Driver:	
Insulated Phillips: #1 & #2	1/4, 5/16, 3/8, 1/2"	



Wiha Insulated Pliers with High Visibility Comfort Grip Handle

• Pliers drop-forged from special tool steel, individually high frequency induction hardened, chrome and nickel plated, mirror-polished.



1000Volt

32889 8 Piece Pliers & Cutters Set

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

Item# 32889	Set Includes:	↔ lbs. 4.63
6.3" Long Nose Pliers	8.0" Long Nose Pliers	
6.3" Lineman's Pliers	6.3" Diagonal Cutters	
9.0" Lineman's Pliers	8.0" BiCut SuperCut	
6.3" Wire Stripping Pliers	Electrician's Knife	



1000Volt

32869 14 Piece Pliers/Cutters & Screwdrivers Set

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

Item# 32869	Set Includes:	↔ lbs. 6.52
9.0" Lineman's Pliers	8.0" BiCut SuperCut	
8.0" Cable Cutters	8.0" Long Nose Pliers	
6.0" Stripping Pliers 10-20 AWG		
SlimLine Slotted 3.0, 4.5, 6.5mm	SlimLine Phillips #1, 2	
SlimLine Square #1, 2	SlimLine Terminal #2	
Single Pole Tester		



1000Volt

32867 10 Piece Pliers & Screwdriver Set In Canvas Pouch

Item# 32867	Set Includes:	↔ lbs. 4.06
6.3" Diagonal Cutters	9.0" Combo Pliers	
6.3" Long Nose Pliers	6.3" Wire Strippers	
7.0" Crimping Pliers		
Insulated Slotted 4.5mm	Insulated Phillips #1	
Insulated Slotted 6.0mm	Insulated Phillips #2	
Insulated Square: #2		



1000Volt



32868 10 Piece Pliers & Screwdriver Set In Canvas Pouch

Item# 32868	Set Includes:	↔ lbs. 4.24
7.0" Diagonal Cutters	9.0" Combo Pliers	
8.0" Long Nose Pliers	6.3" Wire Strippers	
7.0" Crimping Pliers		
Insulated Slotted 3.0, 4.5, 6.0mm		
Insulated Phillips #1, 2		



1000Volt

32873 3 Piece Insulated Pliers/Cutters

In Belt Pack Pouch Tools meet EN/IEC, ASTM, VDE, NFPA70E & CSA standards. Pliers chrome finish for long lasting corrosion protection. Soft grip ergo designed handle body, safety slip guard.

Item	Insulated Pliers & Cutters
No.	6.3" / 160mm Diagonal Cutters
32873	8.0" / 200mm Long Nose Pliers
	8.0" / 200mm Combination Pliers
	↔ lbs. 2.12



1000Volt

32862 2 Pc. Insulated Pliers & Cutters Set

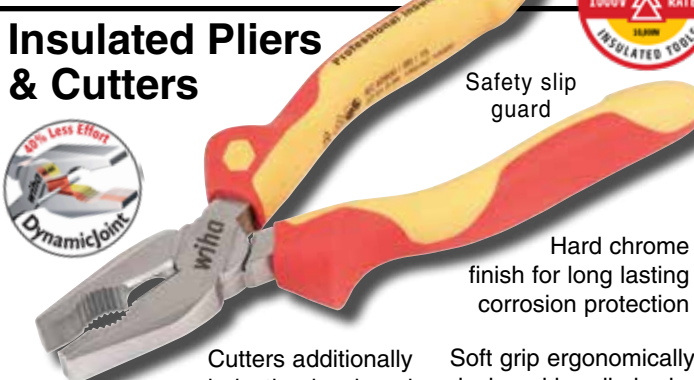
Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E & CSA, **1000 volt. Individually Tested.**



Pliers drop forged of high C70 steel. Durable cutting is achieved through additional inductive hardening to approx. 64HRC.

Item No.	Insulated Pliers & Cutters	↔ lbs. 1.66
32862	8.0" BiCut SuperCut Pliers	
	8.0" Combination Pliers	



Insulated Pliers & Cutters




Safety slip guard


Hard chrome finish for long lasting corrosion protection

Cutters additionally induction hardened

Soft grip ergonomically designed handle body

Insulated NE Style Lineman's Pliers





32831 Insulated NE Style Lineman's Pliers. Insulation According to EN/IEC 60900, ASTM F-1505, NFPA70E and CSA, Δ 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. Two component soft grip ergonomic handles.

Item	↔	↔	↔	↔
No.	mm	Inch	Pkg.	wt.
32831	245	9.5	1	1.18

Insulated Lineman's Pliers With Crimpers

Δ 1000volt

5-in-1 Lineman's Pliers



With lower crimping jaw

32821 Insulated Lineman's Pliers "5-in-1" Professional Design. Insulation According to EN/IEC, ASTM, NFPA70E & CSA, Δ up to 1000 Volt. Individually Tested. Deep cut radius conduit jaws 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. Made from premium C70 tool steel forgings. 64HRC cutting edges.

Item	↔	↔	↔	↔	↔
No.	mm	Inch	Copper AWG	Pkg.	lbs.
32821	225	9.0	#4	1	.98

Insulated Combination Pliers

3 Point Contact OptiGrip





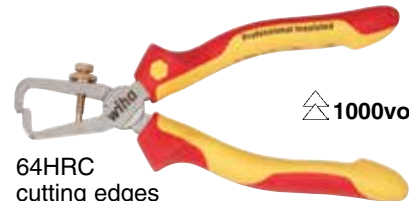

Long life high performance dynamic 60/40 joint

Δ 1000volt

328 Combination Pliers. Insulation According to VDE, EN/IEC, ASTM, NFPA and CSA, Δ up to 1000 Volt. Individually Tested. Extra long cutting edge for flat & round cables. Serrated jaw. Cutting edges additionally induction hardened to approx. 64HRC. Special C70 tool steel forgings, Chrome finish. Use for gripping and holding as well as cutting soft & hard wires & cables.

Item	↔	↔	Cutting Capacity		↔	↔
No.	mm	Inch	Copper AWG	Pkg.	lbs.	
32814	160	6.3	#10	1	.53	
32816	180	7.0	#9	1	.58	
32818	200	8.0	#8	1	.72	

Insulated Stripping Pliers



Δ 1000volt


64HRC cutting edges



32860 Stripping Pliers. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505-10, NFPA70E and CSA, Δ up to 1000 Volt. Individually Tested. Heavy duty forged with induction hardened cutting edges for even stripping of insulation. Drop-forged from special tool steel, chrome & nickel plated, mirror-polished. Ergo comfort grip with slip guard. Spring & adjusting screw, for stripping up to #8 AWG.

Item	↔	↔	Stripping Capacity		↔	↔
No.	mm	Inch	Copper AWG	Pkg.	lbs.	
32860	160	6.3	#8 - #28	1	.50	

Insulated High Leverage Combination Pliers

3 Point Contact OptiGrip



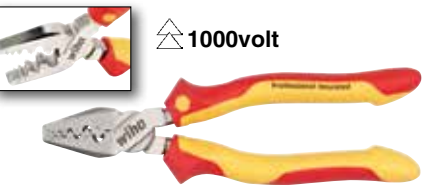
Long life high performance dynamic 60/40 joint

Δ 1000volt

32820 High Leverage Combination Pliers. Insulation According to EN/IEC, ASTM, NFPA & CSA, Δ up to 1000 Volt. Extra long cutting edge for flat & round cables. Cutting edges additionally induction hardened to approx. 64HRC. C70 Special tool steel. Use for gripping, pulling & holding as well as cutting wires & cables ranging in hardness from soft to extremely hard.

Item	↔	↔	Cutting Capacity		↔	↔
No.	mm	Inch	Copper AWG	Pkg.	lbs.	
32820	225	9.0	#4	1	.86	

Insulated Crimping Pliers



Δ 1000volt

32841 Insulated Crimping Pliers. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505-10, NFPA70E & CSA, Δ up to 1000 Volt. Individually Tested. Semi-circular profiles for secure connection between & sleeve and conductor. Long life is achieved through additional induction hardening to 64HRC. C70 special tool steel.

Item	↔	↔	Cutting Capacity		↔	↔
No.	mm	Inch	mm ²	AWG	Pkg.	lbs.
32841	180	7.0	0.25-2.5	6-30	1	.57

Insulated Serrated Edge Cable Cutters



Δ 1000volt


328 Serrated Edge Cable Cutters. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505-10, NFPA70E and CSA, Δ up to 1000 Volt. Individually Tested. Light, clean cutting ground precision cutting edges. Durable cutting is achieved through additional inductive hardening to approx. 64HRC. Special tool steel. For cutting of copper & aluminum cables without crushing.

Item	↔	↔	Cutting Capacity		↔	↔
No.	mm	Inch	Ø	mm ²	Pkg.	lbs.
32826	160	6.3	16	50	1	.42
32828	200	8.0	20	60	1	.67

Insulated Electrician's Diagonal Cutters



 1000volt


32861 Diagonal Cutters W/Stripping Holes. 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 special tool steel, cutters additionally induction hardened to approx. 64HRC, chrome-nickel plated, mirror-polished. Ergonomic comfort grip with slip guard. Holes in the cutting edge for stripping copper wire of Ø 1.5 and 2.5. Strips AWG sizes #10 & #14.

Item No.	mm	Inch	Cutting Capacity Copper AWG	Pkg.	lbs.
32861	160	6.3	#10 & #14	1	.55

Insulated Diagonal Cutters




 1000volt


328 Diagonal Cutters. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505-10, NFPA70E & CSA,  up to 1000 Volt. Individually Tested. DIN ISO 5749 Low wear lap joint, riveted & 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. 32832 & 32834 for soft, hard & piano wire.

Item No.	mm	Inch	Cutting Capacity Copper AWG	Pkg.	lbs.
32830	140	5.5	#6	1	.47
32832	160	6.3	#6	1	.49
32834	180	7.0	#6	1	.62

Insulated High Leverage Diagonal Cutters




 1000volt


328 High Leverage Diagonal Cutters. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505-10, NFPA70E and CSA,  up to 1000 Volt. Individually Tested. DIN ISO 5749 Semi-circular. Low wear lap joint, riveted and able to withstand high levels of load. Lightweight action, clean cutting. For soft, hard & piano wire, lay-on joint, optimized power transmission.

Item No.	mm	Inch	Cutting Capacity Copper AWG	Pkg.	lbs.
32835	160	6.3	#6	1	.64
32836	180	7.0	#5	1	.67
32838	200	8.0	#4	1	.80

Insulated Long Nose Pliers



 1000volt

328 Long Nose Pliers With Cutters. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505-10, NFPA70E & CSA,  up to 1000 Volt. Individually Tested. Drop-forged from C70 special tool steel, cutters additionally induction hardened to approx. 64HRC, chrome-nickel plated, mirror-polished, ergonomic comfort grip with slip guard, serrated gripping surface.


Item No.	mm	Inch	Cutting Capacity Copper AWG	Pkg.	lbs.
32806	160	6.3	#10	1	.32
32808	200	8.0	#8	1	.42

Insulated Bent Nose Pliers

Angled 40°



 1000volt

328 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, chrome-nickel plated, mirror-polished. Ergo comfort grip with slip guard. Serrated gripping surface.

Item No.	mm	Inch	Cutting Capacity Copper AWG	Pkg.	lbs.
32804	200	8.0	#8	1	.43
32807	160	6.3	#10	1	.32


Insulated BiCut SuperCut



Cutting capacity up to 3mm hardened piano wire



 1000volt

32837 Insulated BiCut SuperCut. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E & CSA,  up to 1000 Volt. Individually Tested. For cutting various materials from soft to extremely hard, such as nails, screws, bolts, wire cables, spring wires, chains, etc.

Item No.	mm	Inch	Pkg.	lbs.
32837	200	8.0	1	.78


Insulated Long Flat Nose Pliers

Two component Soft Grip handles



Extra long head

 1000volt


32810 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, Chrome finish. Use for Gripping and right-angle bending of wires and sheet metal parts.

Item No.	mm	Inch	Pkg.	lbs.
32810	160	6.3	1	.39

Round Nose Pliers



 1000volt

32870 Round Nose Pliers. 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, individually induction hardened, chrome and nickel plated, mirror-polished. Ergonomic comfort grip with slip guard. Serrated jaws.

Item No.	mm	Inch	Pkg.	lbs.
32870	160	6.3	1	.34

Insulated Pliers/Cutters & Screwdrivers Sets

⚡ 1000Volt



32856 5 Pc. Insulated Pliers/Cutters & Screwdriver Set. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E & CSA, ⚡ up to 1000 volt. Individually Tested. Pliers drop forged of high C70 steel. Durable cutting is achieved through additional inductive hardening to approx. 64HRC. Screwdriver blade high alloy CVM steel, hardened, black finish. Insulation molded directly onto blade. Wiha-SoftFinish® handle, multi-component, cushion grip.

Item No.	Insulated Pliers/Cutters
32856	8.0" Long Nose Pliers
↔	6.3" Diagonal Cutters
lbs.	Insulated Slotted/Phillips Drivers
1.81	Slotted: 4.5, 5.5mm
	Phillips: #2



32857 7 Pc. Insulated Pliers/Cutters & Screwdriver Set. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E & CSA, ⚡ up to 1000 volt. Individually Tested. Pliers drop forged of high C70 steel. Durable cutting is achieved through additional inductive hardening to approx. 64HRC. Screwdriver blade high alloy CVM steel, hardened, black finish. Insulation molded directly onto blade. Wiha-SoftFinish® handle, multi-component, cushion grip.

Item No.	Insulated Pliers/Cutters
32857	8.0" BiCut SuperCut Pliers
↔	Insulated Slotted/Phillips Drivers
lbs.	Slotted: 3.5, 4.5, 5.5mm
1.85	Phillips: #0, #1, #2



⚡ 1000Volt



32863 3 Pc. Insulated Pliers/Cutters & Stripping Pliers Set. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E & CSA, ⚡ up to 1000 volt. Individually Tested. Pliers drop forged of high C70 steel. Durable cutting is achieved through additional inductive hardening to approx. 64HRC.

Item No.	Insulated Pliers/Cutters & Stripping Pliers
32863	8.0" High Lev. Diagonal Cutters
lbs.	9.0" Lineman's Pliers W/Crimpers
2.21	6.3" Stripping Pliers
	Strips 0.81-2.59 / AWG #20-#10



⚡ 1000Volt



32864 3 Pc. Insulated Pliers & Cutters Set. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E & CSA, ⚡ up to 1000 volt. Individually Tested. Pliers drop forged of high C70 steel. Durable cutting is achieved through additional inductive hardening to approx. 64HRC.

Item No.	Insulated Pliers & Cutters
32864	6.3" Diagonal Cutters
lbs.	8.0" Long Nose Pliers
1.94	8.0" Combination Lineman's Pliers

⚡ 1000Volt



32865 8 Pc. Insulated Pliers/Cutters & SlimLine Blade Set. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E & CSA, ⚡ up to 1000 volt. Individually Tested. Pliers drop forged of high C70 steel. Durable cutting is achieved through additional inductive hardening to approx. 64HRC. SlimLine blades high alloy CV steel, through hardened. Blades have up to 33% narrower insulation diameter than standard insulated tools.

Item No.	Insulated Pliers/Cutters
32865	8.0" Long Nose Pliers
↔	Insulated Slotted & Phillips
	SlimLine Blades
lbs.	Slotted: 3.0, 4.0, 5.5, 6.5mm
.98	Phillips: #1, #2

⚡ 1000Volt

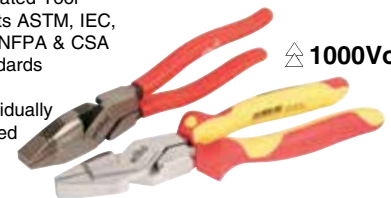
32858 7 Pc. Insulated Pliers/Cutters & Screwdriver Set. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E & CSA, ⚡ up to 1000 volt. Individually Tested. Pliers drop forged of high C70 steel. Durable cutting is achieved through additional inductive hardening to approx. 64HRC. Screwdriver blade high alloy CVM steel, hardened, black finish. Insulation molded directly onto blade. Wiha-SoftFinish® handle, multi-component, cushion grip.

Item No.	Insulated Pliers/Cutters
32858	8.0" Combination Lineman's Pliers
↔	Insulated Slotted/Phillips Drivers
lbs.	Slotted: 3.5, 4.5, 5.5mm
1.81	Phillips: #0, #1, #2



Insulated Tool meets ASTM, IEC, EN, NFPA & CSA standards

Individually Tested



32833 2 Pc. NE Style Lineman's Pliers Set Knurled striking zone on vinyl grip pliers

Item No.	NE Style Lineman's Pliers
32833	9.5" Insulated & 9.5" Vinyl Soft Grip
↔	- Lineman's Pliers
lbs.	2.22

Pen Style Control Cabinet Key

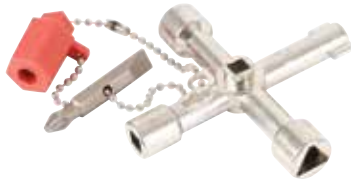


For applications with all common switch cabinets and locking systems

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	Pkg.	lbs.
21105	140	5.5"	1	.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	Pkg.	lbs.
21103	76	3.0"	1	.22

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	Pkg.	lbs.
32951	160	6.3	1	.22

Protturn Insulated Electrician's Shears

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



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.	pkg.
61630	2	78"	10	1/16 & 1mm	.31	1

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	Pkg.	lbs.
10250	160	6.3"	0.81-2.59	20-10	1	.26

Insulated Pliers Wrench

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



1000Volt

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	OAL	↔	↔
	mm	Inch	lbs.	pkg.
11610	254	10.0"	1.67	1

Insulated Water Pump Pliers



1000volt

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

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

Rapid & simple push button setting & locking




1000volt

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

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

Insulated Industrial Pliers & Cutters

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



INSULATED TOOLS
TESTED AT
1000V
RATED
CLASS
INSULATED TOOLS

Industrial brushed finish **1000V**

Ergo comfort grip with slip guard

Induction hardened jaws and cutters to 64 HRC

Two component ergo cushion grip handles

100% Less Effort
Dynamicjoint

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

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.	Length		Cutting Capacity Copper AWG	Pkg.	wt.
	mm	Inch			
32926	160	6.3	#10	1	.36
32923	200	8.0	#8	1	.46

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. Premium CV tool steel forgings.

Item No.	Length		Cutting Capacity Copper AWG	Pkg.	wt.
	mm	Inch			
32917	225	9.0	#4	1	.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 and piano wire, lay-on joint, optimized power transmission.

Item No.	Length		Cutting Capacity Copper AWG	Pkg.	wt.
	mm	Inch			
32939	200	8.0	#4	1	.66

Insulated NE Style Lineman's Pliers



Knurled Striking Zone



Long life high performance dynamic 60/40 joint

1000volt

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.	Length		Pkg.	wt.
	mm	Inch		
32938	245	9.5	1	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 and 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.	Length		Cutting Capacity Copper AWG	Pkg.	wt.
	mm	Inch			
32933	160	6.3	#6	1	.64
32929	200	8.0	#6	1	.80

Insulated Combo Pliers With Dynamic Joint

 1000volt



Long life high performance dynamic 60/40 joint



32930 Insulated Industrial High Leverage Combination Pliers.

Insulation According to EN/IEC 60900, ASTM F-1505, NFPA70E & CSA,  up to 1000 volt. Individually Tested. DIN ISO 5746

Extra long cutting edge for flat and 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			Cutting Capacity		
No.	mm	Inch	Copper AWG	Pkg.	wt.
32930	200	8.0	#4	1	.92

Insulated TriCut Strippers & Cutters






 1000volt



32944 Insulated Industrial TriCut Strippers & Cutters. Insulation

According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E and CSA,  up to 1000 Volt. Individually Tested.

Induction hardened cutters & strippers. Cuts cable, strips cable, strips wire leads. Unique 3 in 1 design provides faster combined cutting and stripping. Strips AWG sizes #10 & #14.


Item					
No.	mm	Inch	AWG	Pkg.	wt.
32944	170	6.7	#6	1	.58

Insulated Heavy Duty Cable Cutters







 1000volt



32927 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 & aluminum cables without crushing.


Item						
No.	mm	Inch	Ø	mm2	Pkg.	lbs.
32927	200	8.0	20	60	1	.78

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.	mm	Inch	mm2	AWG	Pkg.	wt.
32945	180	7.0	0.25-2.5	6-30	1	.64

NOTES:

Blank lines for notes.

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			Stripping Capacity		
No.	mm	Inch	Copper AWG	Pkg.	wt.
32947	160	6.3	#8 - #28	1	.46

Insulated Industrial BiCut SuperCut



Cutting capacity up to 3mm hardened piano wire



1000volt



- Double the power at the press of a button
- BiCut does the job of two pairs of pliers
- Up to 50% less hand strength required for cutting
- Cutting force doubled for extremely hard materials
- Easily switch between two strengths in one-handed operation

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. Durable cutting is achieved through additional inductive hardening to approx. 64HRC. Drop forged of high C70 steel. For cutting various materials from soft to extremely hard, such as nails, screws, bolts, wire cables, spring wires, chains, etc.

Item No.	mm	Inch	Pkg.	lbs.
32936	200	8.0	1	.78

Insulated BiCut SuperCut & Screwdriver Set

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



1000volt

32942 7 Pc. Insulated Industrial BiCut SuperCut & Screwdrivers

Ergonomic two component molded grips. 10,000 Volt tested

Item No.	Insulated BiCut SuperCut:
32942	8.0"/200mm BiCut SuperCut
Insulated Cushion Grip Screwdrivers:	
lbs.	Phillips: #0, #1, #2
1.86	Slotted: 3.0, 4.5, 5.5mm

Wiha Insulated Industrial Tool Sets



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

Individually Tested

1000Volt

32981 3 Pc. Insulated Industrial Pliers & Cutters

Item No.	Insulated Pliers & Cutters
32981	8.0" Combo Pliers, 8.0" Long Pliers, 8.0" Diagonal Cutters
	lbs. 2.18



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

Individually Tested

1000Volt

32983 5 Pc. Insulated Industrial Diagonal Cutters & Screwdrivers

Item No.	Insulated Diagonal Cutters & Screwdrivers
32983	6.3"/160mm Diagonal Cutter
	Insulated Drivers: Slotted: 3.0, 4.5mm • Phillips: #1, #2
	lbs. 1.17



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

Individually Tested

1000Volt

32984 6 Pc. Insulated Industrial Combo Pliers & Screwdrivers

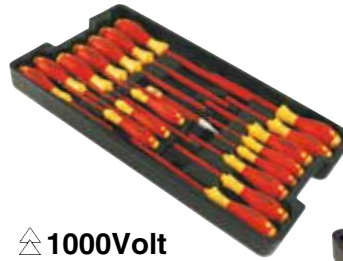
Item No.	Insulated Combination Pliers & Screwdrivers
32984	8.0" Combination Pliers & 8" Long Nose Pliers
	Drivers: Slotted: 3.0, 4.5mm • Phillips: #2 • Square: #2
	lbs. 2.06

Wiha Insulated Industrial Tool Sets



32982 3 Pc. Insulated Industrial Pliers/Cutters & Voltage Detector
Item No. Insulated Pliers/Cutters & Cat. III Voltage Detector
32982 6.3" Long Pliers, 6.3" Diagonal Cutters
 Voltage Detector with both light and sound alerts
 lbs. .98

Wiha Insulated Tool Tray Sets



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

1000Volt

Tool box set in blow molded trays



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

1000Volt

Tool box set in blow molded tray

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

Item No.	9.0" Lineman's Pliers	8.0" High Lev. Combo Pliers
32999	6.3" Long Nose Pliers	8.0" Cable Cutters
	8.0" Long Nose Pliers	6.3" Stripping Pliers
lbs.	6.3" Diagonal Cutters	7.0" Crimping Pliers
6.34	8.0" Diagonal Cutters	



In canvas tool bag

1000Volt



In Belt Pack Pouch



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

1000Volt

32985 7 Pc. Insulated Industrial Pliers/Cutters & Screwdrivers
Item No. Insulated Pliers/Cutters & Screwdrivers
32985 8.0" Combo Pliers, 6.3" Long Nose, 6.3" Diagonal Cutters
Insulated Drivers: Slotted: 3.0, 4.5mm • Phillips: #1, #2
 lbs. 2.30

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. In canvas tool bag
Item# 32977 Set Includes: lbs. 6.30

8.0" Combination Pliers	6.3" Long Nose Pliers W/Cutter
8.0" Long Nose Pliers W/Cutter	6.3" Diagonal Cutter
8.0" High Leverage Cutter	
Insulated Phillips: #0, 1, 2	Insulated Slotted: 3.0, 4.0, 6.5mm

Wiha Insulated Industrial Tool Sets

In Roll
Out
Pouch



⚡ 1000Volt



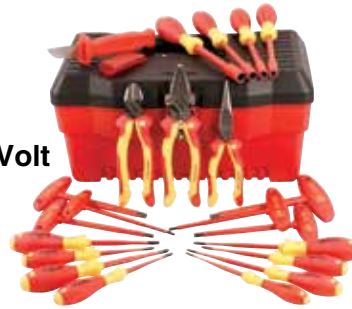
32986 11 Pc. Pliers & Screwdriver Set. Insulation According to VDE 0682/part 201, DIN EN 60900, EN/IEC 60900, ASTM F-1505, NFPA70E, ⚡ up to 1000 volt. Individually Tested. In Roll Out Pouch
Item# 32986 Set Includes: ⚡ lbs. 3.62

6.3" Long Nose Pliers 6.3" Diagonal Cutters
8.0" Combination Pliers 6.3" Stripping Pliers

Insulated Slotted: 3.0, 4.5, 5.5mm

Insulated Phillips: #1, #2 Insulated Square: #1, #2

⚡ 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 Phillips: #1, 2 Insulated Slim Slotted: 3.5, 4.5mm

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"

In Roll
Out
Pouch



⚡ 1000Volt



32987 8 Pc. Pliers & Cutters Set. Insulation According to VDE 0682/part 201, DIN EN 60900, EN/IEC 60900, ASTM F-1505, NFPA70E, ⚡ up to 1000 volt. Individually Tested. In Roll Out Pouch
Item# 32987 Set Includes: ⚡ lbs. 5.52

6.3" Long Nose Pliers 6.3" Diagonal Cutters
8.0" Long Nose Pliers 8.0" H.D. Diagonal Cutters
9.0" Lineman's w/Cutters 6.3" Stripping Pliers
8.0" Cable Cutters 7.0" Crimpers

⚡ 1000Volt



In Roll
Out
Pouches



32988 22 Pc. Pliers & Cutters Set. Insulation According to VDE 0682/part 201, DIN EN 60900, EN/IEC 60900, ASTM F-1505, NFPA70E, ⚡ up to 1000 volt. Individually Tested. In Roll Out Pouches
Item# 32988 Set Includes: ⚡ lbs. 5.74

8.0" Long Nose Pliers 6.3" Diagonal Cutters
9.0" Lineman's w/Cutters 8.0" H.D. Diagonal Cutters
8.0" Cable Cutters 6.3" Stripping Pliers
7.0" Crimping Pliers

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

TORX®: T8, T10, T15, T20 Square: #1, #2

NOTES:

Blank area for notes.



No Hassle Guarantee

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

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

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

Exclusions

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

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

Legal

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


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

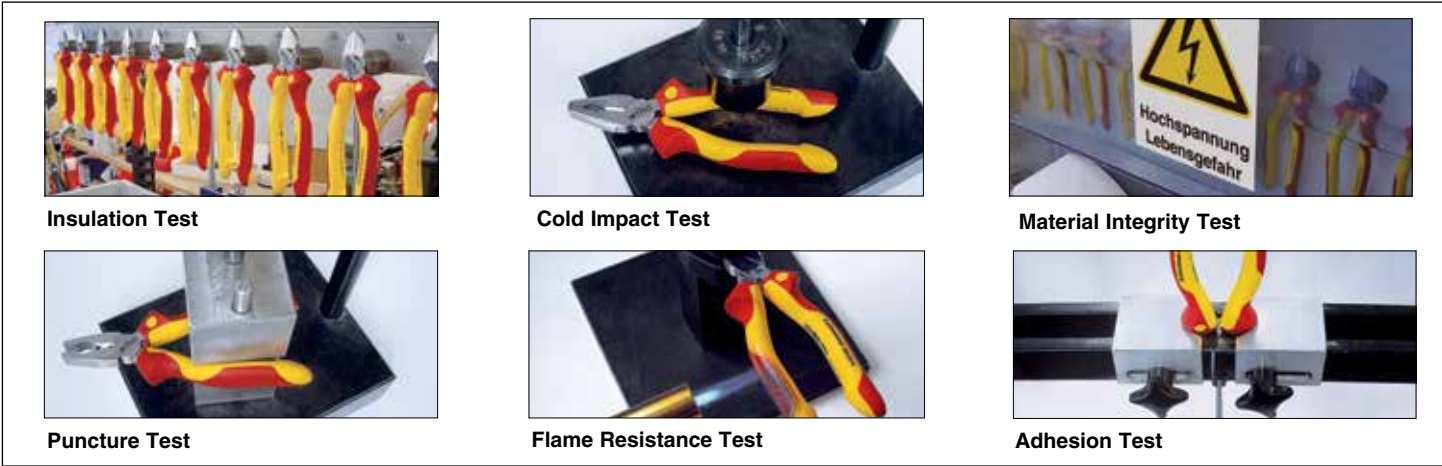
Willi Hahn Corporation USA
Attn: No Hassle Guarantee
1348 Dundas Circle
Monticello, MN 55362
800-494-6104

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31694	13	32088	23	32306	28	32870	37	35844	22
31703	12	32089	29	32308	28	32872	30	35845	22
31704	12	32090	24	32366	28	32873	35	35890	25
31705	12	32091	25	32400	29	32874	33	35891	25
31707	12	32092	25	32401	29	32875	30	38050	30
31708	12	32093	25	32402	29	32876	32	38051	30
31709	12	32094	25	32403	29	32877	32	40800	13
31710	12	32095	26	32480	18	32878	33	61630	39
31712	12	32096	25	32505	28	32879	33	75205	14
31713	12	32097	25	32511	28	32886	30	75210	14
31714	12	32099	25	32512	22	32888	34	75215	14
31715	12	32100	24	32513	22	32889	35	75220	14
31716	12	32101	24	32514	22	32891	34	75302	14
31718	12	32102	24	32515	22	32892	34	75304	14
31720	12	32103	24	32516	28	32894	34	76208	7
31722	12	32104	24	32517	22	32895	34	76210	7
31790	12	32105	24	32518	22	32896	33	76212	7
31792	13	32106	23	32519	22	32917	40	76215	7
31793	12	32107	23	32521	28	32923	40	76290	7
31796	12	32108	23	32526	28	32926	40		
31805	9	32145	22	32531	28	32927	41		
31807	9	32146	22	32536	28	32929	40		
31809	9	32188	26	32541	28	32930	41		
31811	9	32189	23	32546	28	32933	40		
31813	9	32190	26	32551	28	32936	42		
31815	9	32192	26	32556	28	32938	40		
31817	9	32196	23	32561	28	32939	40		
31830	9	32197	22	32590	28	32942	42		
31832	9	32198	22	32592	28	32944	41		
31834	9	32199	29	32596	23	32945	41		
31836	9	32206	27	32800	31	32947	41		
31838	9	32209	27	32801	31	32951	39		
31840	9	32212	27	32804	37	32954	39		
31842	9	32215	27	32806	37	32956	39		
31844	9	32218	27	32807	37	32973	44		
31890	9	32221	27	32808	37	32977	43		
32000	23	32224	27	32810	37	32981	42		
32001	23	32227	27	32814	36	32982	43		
32002	23	32230	27	32816	36	32983	42		
32003	23	32233	27	32818	36	32984	42		
32004	23	32236	27	32820	36	32985	43		
32005	24	32238	27	32821	36	32986	44		
32010	24	32239	27	32826	36	32987	44		
32012	24	32240	27	32828	36	32988	44		
32015	24	32241	27	32830	37	32989	43		
32017	24	32255	27	32831	36	32999	43		
32023	24	32258	27	32832	37	33441	15		
32024	24	32261	27	32833	38	33443	15		
32025	24	32264	27	32834	37	33445	15		
32026	24	32267	27	32835	37	33447	15		
32027	24	32268	27	32836	37	33449	15		
32028	24	32270	27	32837	37	33478	15		
32031	24	32273	27	32838	37	33481	15		
32034	24	32276	27	32841	36	33482	15		
32039	24	32278	27	32856	38	33483	15		
32042	24	32280	27	32857	38	33485	15		

 **Prop65 WARNING:** This product can expose you to chemicals including Diisononyl Phthalate, Vinyl Chloride, Ethylene Glycol, Ni or CrVI, which is known to the State of California to cause cancer or reproductive harm. For more information, go to www.P65Warnings.ca.gov.




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version - 1/1/20



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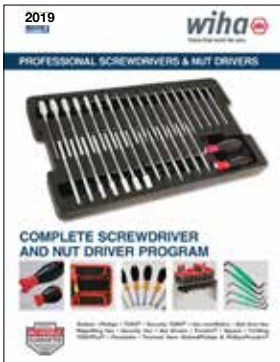
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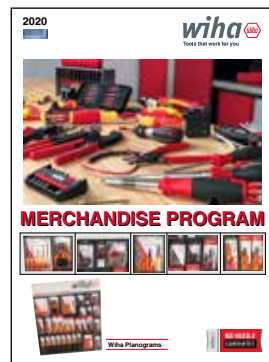
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