

2021

PROFESSIONAL INSULATED TOOLS



Supporting Arc Flash Protection

COMPLETE INSULATED PROGRAM



2 Tools that work for you

Arc Flash Protection:

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

ARC FLASH

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

WHY ARC FLASHES HAPPEN

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

ARC FLASH COMPLIANCE

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

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

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

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

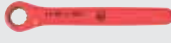
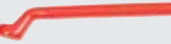
4. The Institute of Electronics and Electrical Engineers (IEEE) 1584 – 2002 Guide to Performing Arc-Flash Hazard Calculations

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OSHA

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

Wiha Insulated Wrenches

Description	Page
 Insulated Open End Spanners	4-5
 Insulated Ratchet Wrenches	5
 Ins. Offset Ring Wrenches	6

Wiha Insulated Adjustable Wrenches

Description	Page
 Insulated Adjustable Wrenches	7
8.0, 10.0, 12.0, 15.0"	

Wiha Insulated Electrician's Knives

Description	Page
 Insulated Knives	7



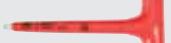

Wiha Insulated L-keys

Description	Page
 Insulated L-keys	8


Wiha Insulated 3/8" Hex Drive Bit Sockets

Description	Page
 Ins. Hex Drive Bit Sockets	9

Wiha Insulated Socket Accessories

Description	Page
 Insulated Sockets 1/4, 3/8, 1/2"	9-12
 Insulated Ratchets	10-13
 Insulated T-handle	10-13
 Insulated Extension Bars	10-13



Wiha Insulated Cable Cutters & Pliers

Description	Page
 Insulated Cable Cutters	13-14

Wiha Insulated Hacksaw

Description	Page
 Insulated Hacksaw	14

Wiha Insulated TorqueControl Tools

Description	Page
 Insulated Torque Ratchet	16
 Insulated TorqueControl Handle & Blade Holder	16-17






Wiha Insulated Pop-Up SlimLine Blade Sets

Description	Page
 Insulated Pop-Up Sets	18


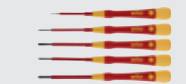
Wiha speedE II Electric Screwdriver

Description	Page
 speedE II Screwdriver	18

Wiha Insulated SlimLine Tools

Description	Page
 Insulated SlimLine Handles	20
 Insulated SlimLine Blade Sets	19
 Insulated SlimLine Blades	21
 Insulated SlimLine Drivers	22
 Insulated SlimLine Driver Sets	22-23










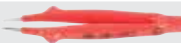
Wiha Insulated Pico Finish Screwdrivers

Description	Page
 Insulated PicoFinish Drivers	23
 Insulated PicoFinish Sets	23

Wiha Insulated Pop-Up Insert Bit Sets

Description	Page
 Insulated Pop-Up Sets	30



Wiha Insulated Tools

Description	Page
 Xeno Terminal Block Combination Screwdrivers	29
 Voltage Detectors	26
 Insulated Hex Inch/Metric T-handles	15
 Insulated Slotted Drivers	24-26
 Insulated Phillips Drivers	24-26
 Insulated Torx® Drivers	28
 Insulated Nut Drivers	27
 Insulated Pozidriv®	29
 Insulated Square Tip	25
 Insulated Tweezers	14

Wiha Insulated Sets in Foam Tray

Description	Page
 Foam Tray Sets	31

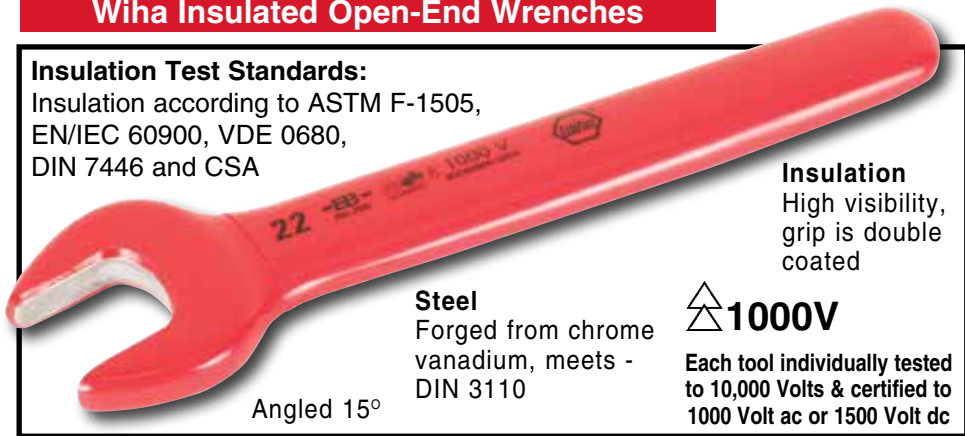
Wiha Insulated Industrial Pliers/Cutters

Description	Page
 Insulated Industrial Pliers/Cutters	32-33
 Insulated Industrial Sets	34-37

Wiha Insulated Open-End Wrenches

Insulation Test Standards:

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



Insulation
High visibility, grip is double coated

Steel
Forged from chrome vanadium, meets - DIN 3110

1000V

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

Angled 15°



1000Volt

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

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

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



1000Volt

200 Metric Open-End Wrenches, With Insulated Handle

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



1000Volt

20190 14 Piece Insulated Inch Open End Wrench Set

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



1000Volt

20091 15 Piece Insulated Metric Open End Wrench Set

Item No.	⊘ _{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 1/2 Inch Insulated Ratchet Wrenches, With Insulated Handle Insulation According to EN/IEC 60900, ISO 3110 Specification, Up To 1000 Volt. Individually Tested.
Blade chrome-vanadium steel, hardened.

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



 **1000Volt**

212 Metric Insulated Ratchet Wrenches, With Insulated Handle Insulation According to EN/IEC 60900, ISO 3110 Specification, Up To 1000 Volt. Individually Tested.
Blade chrome-vanadium steel, hardened.

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



 **1000Volt**

21391 6 Piece Inch Insulated Ratchet Wrenches Set

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



 **1000Volt**

21290 7 Piece Metric Insulated Ratchet Wrenches Set

Item No.	Ø _{MM}	OAL	Ø _{MM}	OAL	↺↻
	mm	mm	mm	mm	lbs.
21290	8.0	4.9	14.0	6.4	2.10
	10.0	5.5	17.0	7.6	
	12.0	5.9	19.0	8.3	
	13.0	6.0			

Wiha Insulated Deep Offset Ring Wrenches

Insulation Test Standards:

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



Steel Forged from chrome vanadium, meets - DIN 3110

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

1000V



1000Volt

1000Volt



21096 8 Piece Inch Insulated Offset

Ring Wrenches Set

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



1000Volt

21094 16 Piece Inch Insulated Offset

Ring Wrenches Set

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

1000Volt



21095 8 Piece Metric Insulated Offset

Ring Wrenches Set

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



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

Use & Care Guide For Insulated Tools:

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

Wiha Insulated Adjustable Wrenches



 1000Volt

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

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

 1000Volt

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

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

 1000Volt

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

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

 1000Volt

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

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



 1000Volt

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

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

Wiha Insulated Electrician's Knives

Insulation Test Standards:

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

Insulation molded on for permanent bonding



 1000V

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



 1000Volt

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

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



 1000Volt

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

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



 1000Volt

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

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

NOTES:

WARNING!

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

Wiha Insulated Hex L-keys



1000Volt

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

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



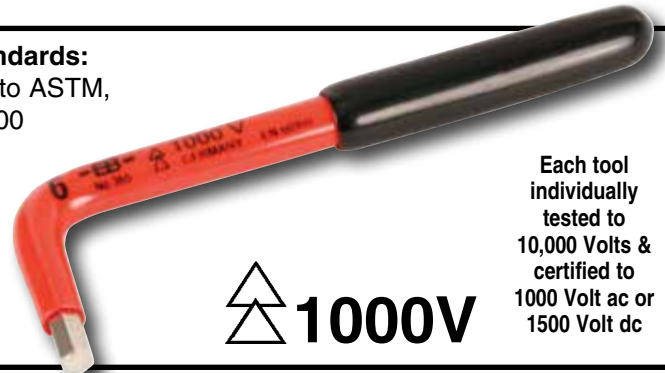
1000Volt

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

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

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

Insulation
Applied directly onto blade for permanent bonding



1000V

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

1000Volt

13690 8 Piece Insulated Inch Hex L-key Set

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

1000Volt



13694 12 Pc. Insulated Inch Hex L-key Set

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

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13691 7 Piece Insulated Metric Hex L-key Set

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

1000Volt



13693 10 Piece Insulated Metric Hex L-key Set

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

Wiha Insulated Hex Bit Sockets



⚠️ 1000Volt

318 Insulated 3/8" Drive Sockets

Chrome-vanadium steel, forged, oil-hardened.

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

*Sockets must be used with insulated ratchets & extensions



⚠️ 1000Volt

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

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

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



⚠️ 1000Volt

318 Insulated 1/2" Drive Sockets

Chrome-vanadium steel, forged, oil-hardened.

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

*Sockets must be used with insulated ratchets & extensions

Wiha Insulated Socket Adapters / Reducers



⚠️ 1000Volt

#31350 #31450 #31460 #31650

Insulated Socket Adapters / Reducers

CV steel, forged, oil-hardened.

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

Wiha Insulated 1/4" Sockets, Accessories & Sets

Metric - 6 Point



⚠️ 1000Volt

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

Chrome-vanadium steel, forged, oil-hardened.

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

*Sockets must be used with insulated ratchets & extensions

Metric - 6 Point



⚠️ 1000Volt

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

Chrome-vanadium steel, forged, oil-hardened.

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

*Sockets must be used with insulated ratchets & extensions



31396 10-Piece Insulated 1/4" Drive Socket Set - Inch

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

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



31393 10-Piece Insulated 1/4" Drive Socket Set - Metric

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

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

Wiha Insulated 1/4" Sets & Accessories



1000Volt

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

Item No. Set includes the following:

31394	3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16"
--------------	-----------------------------------------------------------

lbs. 1.40 Insulated 1/4" T-handle

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



1000Volt

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

Item No. Set includes the following:

31395	5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm
--------------	-------------------------------------

lbs. 1.40 Insulated 1/4" T-handle

1000Volt



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

Item No. Set includes the following:

31390	3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16"
--------------	-----------------------------------------------------------

lbs. 1.39 1/4" x 50mm Extension Bar
1/4" x 100mm Extension Bar
1/4" Ratchet - 140mm



1000Volt

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

Item OAL OAL

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

1000Volt



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

Item OAL OAL

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



1000Volt

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

Item OAL OAL

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

1000Volt



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

Item No. Set includes the following:

31391	5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm
--------------	-------------------------------------

lbs. 1.41 1/4" x 50mm Extension Bar
1/4" x 100mm Extension Bar
1/4" Ratchet - 140mm

Wiha Insulated 3/8" Sockets



1000Volt

314 Insulated 3/8" Drive Sockets - Insulation according to EN/IEC 60900, DIN 7448 & CSA specification, up to 1000 Volt. Individually Tested. CV steel, forged, oil-hardened.

Item

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

*Sockets must be used with insulated ratchets & extensions



1000Volt

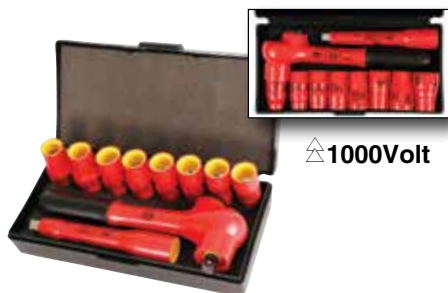
315 Insulated 3/8" Drive Sockets - Metric Insulation according to VDE, EN/IEC 60900, DIN 7448 & CSA specification, up to 1000 Volt. Individually Tested. Chrome-vanadium steel, forged, oil-hardened.

Item

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

*Sockets must be used with insulated ratchets & extensions

Wiha Insulated 3/8" Sockets & Sets



⚡1000Volt

31493 10 Pc. Insulated 3/8" Drive Socket

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

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



⚡1000Volt

31590 10 Pc. Insulated 3/8" Drive Socket

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

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



⚡1000Volt

31491 16 Piece Insulated 3/8" Drive Socket Set

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

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



⚡1000Volt

31495 24 Pc. Insulated 3/8" Drive Socket

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

Item No.	Set includes the following:
31495	1/4, 9/32, 5/16, 11/32, 3/8, 7/16
	1/2, 9/16, 5/8, 11/16, 3/4" Sockets
lbs.	3/8" x 125mm Extension Bar
9.07	3/8" x 250mm Extension Bar
	3/8" Ratchet - 190mm
	Insulated Electrician's Knife - 50mm
	Slotted: 3.5, 4.5, 6.5mm
	Phillips: #1, 2, 3
	6.3" Long Nose Pliers
	8.0" Combo Pliers
	6.3" Diagonal Cutters

*Sockets must be used with insulated ratchets & extensions



⚡1000Volt

31592 24 Pc. Insulated 3/8" Drive Socket

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

Item No.	Set includes the following:
31592	6, 7, 8, 9, 10, 11, 12,
	13, 14, 17, 19mm Sockets
lbs.	3/8" x 125mm Extension Bar
9.08	3/8" x 250mm Extension Bar
	3/8" Ratchet - 190mm
	Insulated Electrician's Knife - 50mm
	Slotted: 3.5, 4.5, 6.5mm
	Phillips: #1, 2, 3
	6.3" Long Nose Pliers
	8.0" Combo Pliers
	6.3" Diagonal Cutters

*Sockets must be used with insulated ratchets & extensions



⚡1000Volt

12852 Insulated 3/8" Drive Ratchet,

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

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



⚡1000Volt

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

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

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

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

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

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

Wiha Insulated 3/8" Socket Accessories



⚡1000Volt

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

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



⚡1000Volt

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

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

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

Wiha Insulated 3/8" Socket Sets On Rails



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

Item No. Set includes: 1/4, 9/32, 5/16, 31596 11/32, 3/8, 7/16, 1/2, 9/16, lbs. 2.06 5/8, 11/16, 3/4, 13/16, 7/8"



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

Item No. Set includes the following:

31593 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, lbs. 2.9 16, 17, 18, 19, 20, 21, 22, 24mm

Wiha Insulated 1/2" Socket Sets On Rails



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

Item No. Set includes: 5/16, 11/32, 3/8, 31796 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, lbs. 4.20 13/16, 7/8, 15/16, 1, 1-1/8, 1-1/4"



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

Item No. Set includes the following:

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

Wiha Insulated 1/2" Sockets & Sets

Individually Tested



1000Volt

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

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

*Sockets must be used with insulated ratchets & extensions



1000Volt

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

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

*Sockets must be used with insulated ratchets & extensions

Inch



1000Volt

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

Item No. Set includes the following:

31790 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1" Sockets

1/2" x 125mm Extension Bar

1/2" x 250mm Extension Bar

11.41 1/2" Ratchet - 260mm

Ins. Electrician's Knife - 50mm

Slotted: 3.5, 4.5, 6.5mm

Phillips: #1, 2, 3

6.3" Long Nose Pliers

8.0" Combo Pliers

6.3" Diagonal Cutters

Metric



1000Volt

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

Item No. Set includes the following:

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

1/2" x 125mm Extension Bar

1/2" x 250mm Extension Bar

11.39 1/2" Ratchet - 260mm

Ins. Electrician's Knife - 50mm

Slotted: 3.5, 4.5, 6.5mm

Phillips: #1, 2, 3

6.3" Long Nose Pliers

8.0" Combo Pliers

6.3" Diagonal Cutters

Wiha Insulated 1/2" Socket Sets

 **1000Volt**



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

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

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



 **1000Volt**

31694 14 Pc. Insulated 1/2" Drive Socket Set - Metric

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

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

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

Wiha Insulated 1/2" Socket accessories



 **1000Volt**

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

Chrome-Vanadium steel. Reversible.

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



 **1000Volt**

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

Chrome-vanadium steel.

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



 **1000Volt**

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

Item	Ø _{MM}	OAL	OAL	↔
No.	Inch	mm	Inch	lbs.
29012	1/2"	200	7.9"	.68



 **1000Volt**

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

Chrome-Vanadium steel.

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

Insulated Cable Cutters



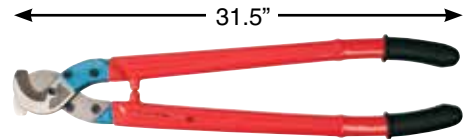
 **1000Volt**

For cutting solid aluminum & copper conductors

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

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

For cutting multi strand aluminum & copper cables



 **1000Volt**

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

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

For cutting solid aluminum, copper & medium hard wires



 **1000Volt**

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

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

Wiha Insulated Ratcheting Cable Cutters

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



 **1000Volt**

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

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



 **1000Volt**

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

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

Wiha Insulated Hacksaw



Uses standard 12" blade

 **1000Volt**

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

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

Wiha Insulated Serrated Tweezers

Meets EN/IEC Insulation Standards

Slip guards at tips for user safety

Two layer high contrast insulated coatings

10,000 Volt tested 1000Volt rated



Carbon steel with chrome nickel plated

 **1000V**

 **1000Volt**

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

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



 **1000Volt**

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

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



 **1000Volt**

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

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

 **1000Volt**

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

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



 **1000Volt**

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

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



 **1000Volt**

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

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



Wiha Insulated TorqueControl & SlimLine Tool Sets



In Roll-up Pouch

With Certificate of Calibration

⚡ 1000Volt

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



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

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

Item No. Slotted: 3.0, 4.0, 5.5mm

28791 Phillips: #1, 2

28726-Handle Range 10-50 Inch/lbs.

↔ lbs. .87

In Roll-up Pouch



⚡ 1000Volt

28792 16 Piece Insulated

TorqueControl Set With SlimLine Blades

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

Item No.

28792 SlimLine Slotted: 4.0, 5.5, 6.5mm

SlimLine Phillips: #1, 2

SlimLine Terminal Xeno: #1, 2

SlimLine TORX®: T8, T10, T15, T20

SlimLine Square: #1, 2

28727 - Handle Range 18-62 Inch/lbs.

SlimLine Blade Holder

↔ lbs. 1.27

With Certificate of Calibration



⚡ 1000Volt

28795 12 Pc. Insulated TorqueControl

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

Item No.

28795 SlimLine Slotted: 4.0, 5.5, 6.5mm

SlimLine Phillips: #1, 2

SlimLine Pozidriv®: #1, 2

SlimLine Terminal Xeno SI/Pz: #2

28736 - Handle Range 0.8 - 5.0 Nm

SlimLine Blade Holder Handle

SlimLine Blade Holder

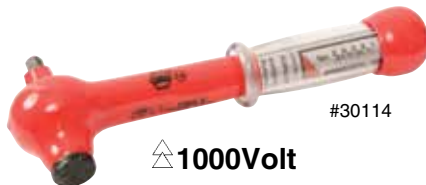
↔ lbs. 1.32

With Certificate of Calibration

Wiha Insulated Torque Ratchet Wrench Sets



#30138



#30114

⚡ 1000Volt

301 Insulated Torque Ratchet

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

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

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



⚡ 1000Volt

30190 16 Pc. Insulated 3/8" Drive

Ratcheting Torque Wrench & Socket Set - 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.		mm lbs.	
		Increments			
28724	5 - 18	.5 In/lbs	126-131	.43	
28726	10 - 50	2 In/lbs	133-138	.40	
28727	18 - 62	2 In/lbs	137-142	.69	

287 Insulated TorqueVario-S Handle - In Newton Meter Scale

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

Each TorqueVario handle has unique serial number & certificate of calibration



△1000Volt

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

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



△1000Volt

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

Item No.	OAL		Inch lbs.	
	mm	mm	Inch	lbs.
28700	6.0	180	7.1	.08



* Includes Certificate

* Includes SlimLine blade holder #28350

* Requires SlimLine Blades

△1000Volt



287 Insulated TorqueVario-S, With Window Scale Insulation up to 1000Volt EN/IEC, EN ISO, BS EN, ASME & CSA, +/- 6% Accuracy. Ergonomic multi-component handle, light & compact. Handle sizes proportioned to optimize torque range. Audible & perceptible click when torque setting has been attained. In Plastic Tube Holder

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

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

287 Insulated TorqueVario-S Handle - In Newton Meter Scale

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

Each TorqueVario handle has unique serial number & certificate of calibration

Wiha Insulated Easy TorqueControl Adapters

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

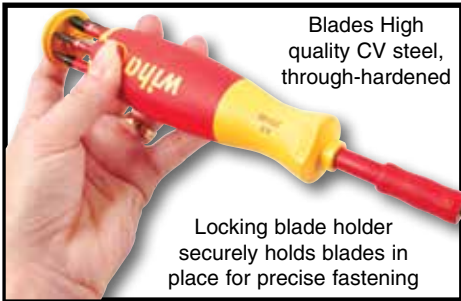


△1000Volt

283 Insulated Easy-TorqueControl Adapters Ideal for torque sensitive terminations. For use with SlimLine blades. Repeatability accuracy to +/- 10%

Item No.	Nm	In/lbs	OAL		Inch lbs.
			mm	Inch	
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 Pop-Up SlimLine Sets



Blades High quality CV steel, through-hardened

Locking blade holder securely holds blades in place for precise fastening

1000Volt Rated
10,000 Volt Tested

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



"Apprentice"



28393 Insulated Pop-Up "Apprentice" Blade Holder Set With SlimLine Blades

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

28393 Set includes the following blades:

↓ ● Slotted: 3.0, 4.0, 5.5, 6.5mm

⊕ Phillips: #1, #2

↔ lbs. .38



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



1000Volt

"MRO"



28395 Insulated Pop-Up "MRO" Blade Holder Set With SlimLine Blades

28395 Set includes the following blades:

↓ ● Slotted: 3.0, 4.0mm

⊕ Phillips: #1, #2

⊕ Terminal Xeno: #1, #2

↔ lbs. .38

SlimLine Handles Hold SlimLine Blades

33% Narrower Insulation Diameter



Slim Diameter



1000Volt "Residential"



28394 Insulated Pop-Up "Residential" Blade Holder Set With SlimLine Blades

28394 Set includes the following blades:

↓ ● Slotted: 3.0, 4.0mm

⊕ Phillips: #1, #2

⊖ Square: #1, #2

↔ lbs. .38

E-SCREWDRIVER speedE®-II ELECTRIC

speedE that works for you



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

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

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

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

*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



1000Volt

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

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



1000Volt

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

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



1000Volt

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

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



1000Volt

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



1000Volt

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

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

1000Volt



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



Wiha Cushion Grip SlimLine Blade Holder



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

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



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

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



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

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

Wiha SlimLine Adapters



1000Volt
28316 Insulated SlimLine Blade Extension For SlimLine Blade Holders

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



1000Volt
28311 Insulated SlimLine 1/4" Socket Adapter For SlimLine Blade Holders

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

Wiha Insulated SlimLine Blades



Insulation Test Standards:

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

Integrated Slim Insulation molded directly onto blade

Insulation does not exceed screw head diameter

Wiha

SlimTECHNOLOGY

Achieves blade diameters up to 33% narrower utilizing integrated insulation

1000 Volt Rated
10,000 Volt Tested

High quality CV steel, through-hardened



283 Insulated Slotted SlimLine Blades

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

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



283 Insulated Phillips SlimLine Blades

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

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



28348 12 Piece Insulated SlimLine Blade Set With Belt Holder

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

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



283 Insulated Pozidriv® SlimLine Blades

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

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



283 Insulated Xeno Slotted/Pozidriv® SlimLine Blades

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

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



283 Insulated Xeno Slotted/Phillips SlimLine Blades

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

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



283 Insulated Square SlimLine Blades

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

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



283 Insulated TORX® SlimLine Blades

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

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



283 Insulated Hex Metric SlimLine Blades

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

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



28372 7 Piece SlimLine Blade Set

High quality CV steel, through hardened, black finish.

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



28373 7 Piece SlimLine Blade Set

High quality CV steel, through hardened, black finish.

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

Wiha Insulated SlimLine Screwdrivers

Insulation Test Standards:

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

Ideal for jobs where access is limited

Integrated Slim Insulation molded directly onto blade



1000 Volt Rated
10,000 Volt Tested



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

←1.4"→



1000Volt

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

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

←1.4"→



1000Volt

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

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

←1.4"→



1000Volt

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

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

←1.4"→



1000Volt

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

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

←1.4"→

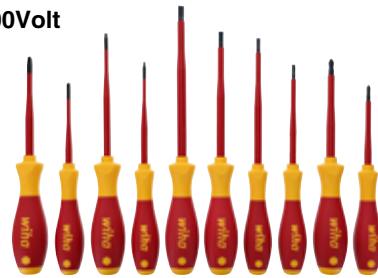


1000Volt

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

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

1000Volt



32198 11 Piece Insulated SlimLine Slotted, Phillips, Xeno & Square Screwdrivers. Insulation According to ASTM F-1505, New VDE Specification 0682/part 201 and EN/IEC 60900, NFPA70E & CSA, up to 1000 Volt. Individually Tested to 10,000Volts.

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

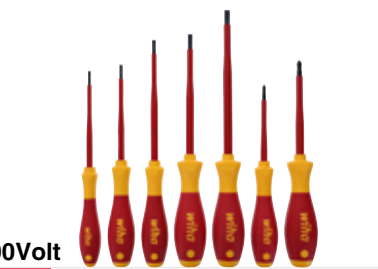
lbs. 1.75



32197 8 Piece Insulated SlimLine Slotted, Phillips & Square Screwdrivers. Insulation According to ASTM F-1505, New VDE Specification 0682/part 201 and EN/IEC 60900, NFPA70E & CSA, up to 1000 Volt. Individually Tested to 10,000Volts.

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

lbs. 1.18



32195 7 Piece Insulated SlimLine Slotted & Phillips Screwdrivers. Insulation According to ASTM F-1505, New VDE Specification 0682/part 201 and EN/IEC 60900, NFPA70E & CSA, up to 1000 Volt. Individually Tested to 10,000Volts.

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

lbs. 1.41



Wiha Insulated SlimLine Screwdriver Sets



1000Volt

32196

6 Piece Insulated SlimLine

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

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



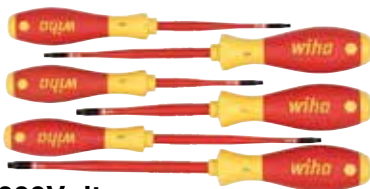
1000Volt

32194

5 Piece Insulated SlimLine

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

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



1000Volt

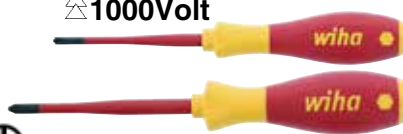
32596

6 Pc. Insulated SlimLine

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

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

1000Volt



⊕ Slotted/Phillips

30770

2 Pc. Insulated SlimLine Terminal

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

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



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	Phillips: #2x100mm	lbs. .37
32189						

1000Volt



32079

30 Pc. Insulated SlimLine Slotted

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

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

Insulated PicoFinish Precision Screwdrivers



1000Volt

320

Insulated Slotted PicoFinish

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

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



1000Volt

321

Insulated Phillips PicoFinish

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

Item No.	⊕	⊕	⊞	⊞	lbs.
32106	00	40	154	.05	
32107	0	60	160	.07	
32108	1	60	160	.08	



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

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



32085

5 Piece Slotted & Phillips

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

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

Rotating cap for precise turning and control with fingertip

Wiha Insulated Screwdrivers with SoftFinish® Cushion Grip Handle

Insulation Test Standards:

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

Responds to OSHA's use specification 29 CFR1910

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

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

Insulation
Molded directly onto the blade for permanent bonding

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

1000V

#32892



1000Volt

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

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



1000Volt

32105 2 Piece Slotted & Phillips Set

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



1000Volt

33532 2 Piece Slotted & Phillips Set

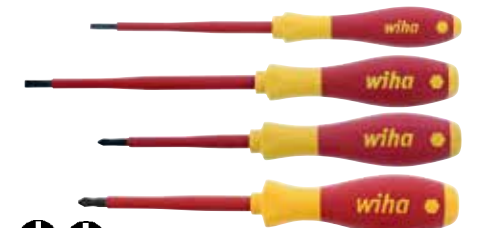
Item No.	Slotted: 6.0	Phillips: #2	lbs.
33532			.50



1000Volt

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

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




1000Volt

32090 4 Piece Slotted & Phillips Set

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

Wiha Insulated Screwdrivers with SoftFinish® Cushion Grip Handle




 **1000Volt**

32084 5 Piece Slotted & Phillips Set

Item	↓ ● Slotted: 3.5, 4.5, 6.5mm
No.	⊕ Phillips: #1, 2
32084	↔ lbs. 1.31




 **1000Volt**

32092 6 Piece Slotted & Phillips Set

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




 **1000Volt**

32093 10 Piece Slotted & Phillips Set

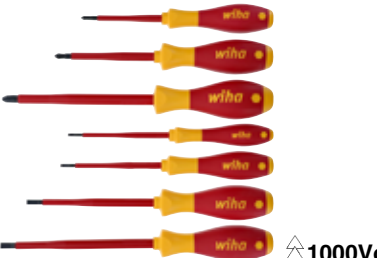
Item No.	↓ ● Slotted: 2.0, 2.5, 3.0, 3.5, 4.5, 6.5
32093	⊕ Phillips: #0, 1, 2, 3
	↔ lbs. 1.63




 **1000Volt**

32091 5 Piece Slotted & Phillips Set

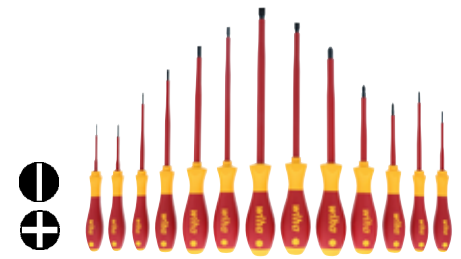
Item	↓ ● Slotted: 3.0, 4.5, 6.5mm
No.	⊕ Phillips: #1, 2
32091	↔ lbs. 1.31




 **1000Volt**

32099 7 Piece Slotted & Phillips Set In Clamshell

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




 **1000Volt**

32094 13 Piece Slotted & Phillips Set

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

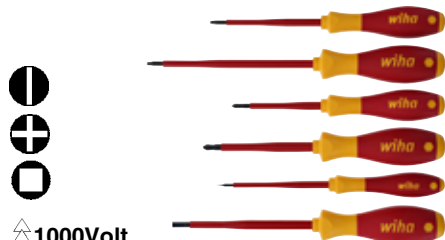
Wiha Insulated Square Tip Screwdrivers




 **1000Volt**

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

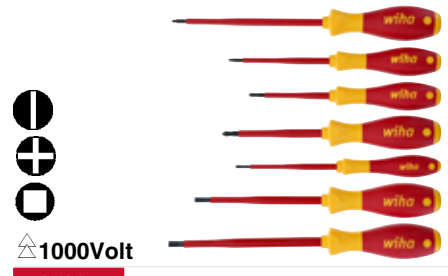
Item	Size mm	Inch	mm	Inch	lbs.	pkg.
No.						
35811	1	100	4.0	210	8.2	.12 10
35812	2	150	6.0	268	10.5	.19 10




 **1000Volt**

35891 6 Pc. Insulated Slotted, Phillips and Square Screwdrivers

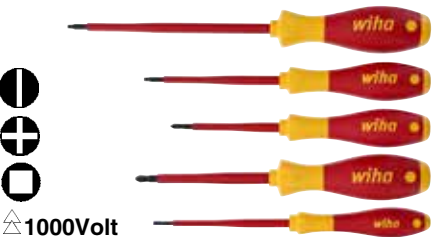
Item No.	Slotted: 3.0, 5.5mm	↔ lbs.
35891	⊕ Phillips: #1, 2	.83
	⊖ Square: #1, 2	




 **1000Volt**

32097 7 Piece Slotted, Phillips & Square Set In Clamshell

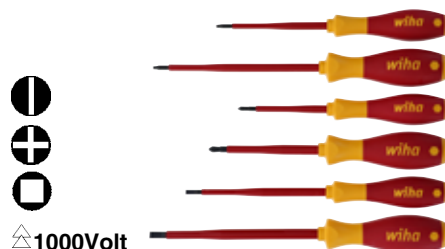
Item	↓ ● Slotted: 3.5, 5.5, 6.5mm
No.	⊕ Phillips: #1, 2
32097	⊖ Square: #1, 2
	↔ lbs. 1.60




 **1000Volt**

32083 5 Piece Slotted, Phillips & Square Set

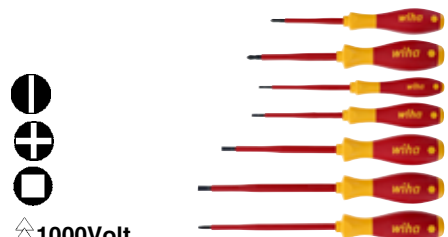
Item	Slotted: 3.5mm
No.	⊕ Phillips: #1, 2
32083	⊖ Square: #1, 2
	↔ lbs. 1.31




 **1000Volt**

35890 6 Pc. Insulated Slotted, Phillips and Square Screwdrivers

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



 **1000Volt**

32096 7 Piece Slotted, Phillips & Square Set In Clamshell

Item	↓ ● Slotted: 3.5, 4.0, 5.5, 6.5mm
No.	⊕ Phillips: #1, 2
32096	⊖ Square: #2
	↔ lbs. 1.60

Wiha Insulated Screwdriver Sets



Tool box set in blow molded tray

1000Volt

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

Insulated Screwdriver set in a light weight tool box tray.

Item No. Slotted: 2.5, 3.0, 3.5, 4.0, 4.5, 32095 5.5, 6.0, 6.5, 8.0, 10.0mm

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

Square: #1, #2

Xeno Terminal: #1, #2

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



1000Volt

32188 7 Piece Slotted & Phillips Set

Item No. Slotted: 2.0, 2.5, 3.0, 3.5, 4.0

Phillips: #0, 1

lbs. .92



1000Volt

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

Item No. Slotted: 3.0, 4.5, 6.5mm

32192 Phillips: 1, 2

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

5.5 lbs. 8.0" Combo Pliers,

6.3" Diagonal Cutters

6.3 & 8.0" Long Nose Pliers/Cutters

1000Volt



32190 15 Piece Slotted, Phillips & Inch Nut Drivers Set

Item No. Slotted: 2.0, 2.5, 3.0, 3.5, 32190 4.5, 6.5, 8.0mm

Phillips: #1, 2, 3

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

5.9 lbs.

Cat. IV Voltage Detector - Battery Operated



1000Volt

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

Item mm Inch lbs.

No. mm Inch lbs.

25505 146 5.75 .13

Insulated Single-Pole Voltage Detector



1000Volt

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

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

Item mm mm mm Inch lbs.

No. mm mm mm Inch lbs.

25511 3.0 65 145 5.7 .04



1000Volt

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

Item Slotted: 4.0, 5.5, 6.5mm

No. Phillips: #1, #2

32087 Square: #2

Ins. Single Pole Voltage Detector

lbs. 1.36

Wiha Insulated Metric & Inch Nut Drivers



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

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

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

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



⊙ **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

Wiha Insulated Hex Metric Screwdrivers



⚡ 1000Volt

323 Hex Metric Screwdriver, With Wiha-SoftFinish® Handle

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

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

Wiha Insulated TORX® Screwdrivers



⚡ 1000Volt

325 TORX® Screwdriver, With Wiha-SoftFinish® Handle

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

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



⚡ 1000Volt

32366 6 Piece Insulated Hex Metric Screwdriver Set

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



⚡ 1000Volt

32590 6 Piece TORX® Set

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



⚡ 1000Volt

32592 10 Piece TORX® Set

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

Wiha Insulated Pozidriv® Screwdrivers



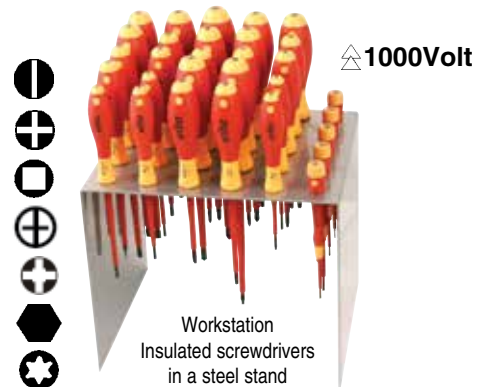
 1000Volt

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

Individually Tested.

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

Wiha Insulated Screwdrivers

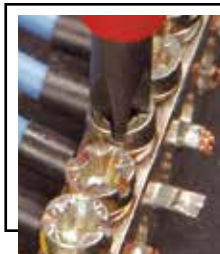


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32199 30 Pc. Workstation Insulated Screwdriver Set

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

Insulated Terminal Block Xeno Screwdrivers



Combination Slotted/Phillips Terminal Block Drivers

Slotted/Phillips or Slotted/Pozidriv®

 1000Volt



 Slotted/Phillips

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

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

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



 Slotted/Pozidriv®

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

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

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

Insulated Drivers & Voltage Detector Sets



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

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

Wiha Insulated Pop-Up Insert Bit Sets

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

Convenient rotating cap



Friction hold bit holder securely holds bits in place

Blades High quality CV steel, through-hardened



1000Volt Rated
10,000 Volt Tested

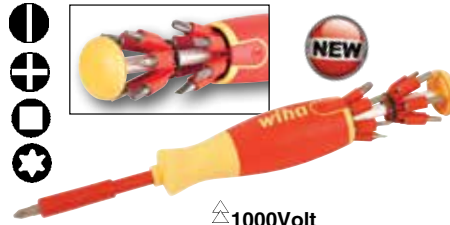


1000Volt

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

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

Item No.	Set includes the following bits:
38050	Slotted: 4.5, 5.5, 6.0mm
	Phillips: #0, 1, 2, 3
	Square: #1, 2, 3
	Pozidriv®: #1, 2, 3
	lbs. .46



1000Volt

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

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

Item No.	Set includes the following bits:
38051	Slotted: 4.5, 5.5, 6.0mm
	Phillips: #0, 1, 2, 3
	Square: #1, 2, 3
	TORX®: T15, T20, T25
	lbs. .46

Insulated Folding Ruler

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



With Wire Puller Slot



61630 Insulated Inch & Metric Folding Ruler

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

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

Protturn Insulated Electrician's Shears



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

Made from stainless 420 grade steel

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

Pen Style Control Cabinet Key



For applications with all common switch cabinets and locking systems

21105 Pen Style Control Cabinet Key

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

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

Switch Cabinet Key



21103 Switch Cabinet Keys For

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

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

Insulated Stripping Pliers



1000Volt


10250 Insulated Stripping Pliers.

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


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

Insulated Industrial Pliers & Cutters


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



Industrial brushed finish



Induction hardened jaws and cutters to 64 HRC



1000V

Two component ergo cushion grip handles

Ergo comfort grip with slip guard

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

Insulated Combo Pliers With Dynamic Joint

1000volt



Long life high performance dynamic 60/40 joint

32930 Insulated Industrial High Leverage Combination Pliers. Insulation According to EN/IEC 60900, ASTM F-1505, NFPA70E & CSA, up to 1000 volt. Individually Tested. DIN ISO 5746

Extra long cutting edge for flat & round cables. Serrated jaws. Cutting edges additionally induction hardened to approx. 64HRC. Use for gripping, pulling & holding as well as cutting wires and cables ranging in hardness from soft to extremely hard.

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

Insulated Lineman's Pliers With Crimpers

1000volt



Long life high performance dynamic 60/40 joint

64HRC cutting edges

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

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

Insulated High Leverage Diagonal Cutters

1000volt



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

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

Insulated Industrial Lineman's Pliers W/Crimpers



Knurled Striking Zone



1000volt

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

Item No.	Cutting Capacity		wt.
	mm	Inch	
32948	245	9.5	1.22

Insulated NE Style Lineman's Pliers



Knurled Striking Zone



Long life high performance dynamic 60/40 joint

32938 Insulated NE Style Lineman's Pliers. Insulation According to EN/IEC 60900, ASTM F-1505, NFPA70E and CSA, up to 1000 Volt. Individually Tested.

Long life edge is achieved through additional induction hardening to approx. 64HRC. Special C70 tool steel hardened & tempered. Extra long cutting edge for flat and round cables.

Item No.	Cutting Capacity		wt.
	mm	Inch	
32938	245	9.5	1.18

Insulated Diagonal Cutters

Long life high performance dynamic 60/40 joint




1000volt


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

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

Insulated Long Nose Pliers With Cutters



 1000volt

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


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

Insulated Bent Nose Pliers

Angled 40°



 1000volt

32928 Bent Nose Pliers With Cutters. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505-10, NFPA70E and CSA,  up to 1000 Volt. Individually Tested. Drop-forged from C70 special tool steel, cutters additionally induction hardened to approx. 64HRC. Ergo comfort grip with slip guard. Serrated gripping surface.

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


Insulated Flat Nose Pliers

Two component Soft Grip handles

Extra long head



 1000volt

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


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

Insulated BiCut SuperCut

Cutting capacity up to 3mm hardened piano wire



 1000volt


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

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

Insulated Heavy Duty Cable Cutters



 1000volt


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

Item No.	Cutting Capacity		Ø	mm ²	lbs.
	mm	Inch			
32902	180	6.3	20	60	.52
32927	200	8.0	16	50	.78

Insulated TriCut Strippers and Cutters

 1000volt




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

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

Insulated Crimpers



 1000volt

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

Item No.	Cutting Capacity		mm ²	AWG	wt.
	mm	Inch			
32945	180	7.0	0.25-2.5	6-30	.64

Insulated Stripping Pliers



 1000volt

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

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

Wiha Insulated Industrial Tool Sets



⚡ 1000Volt

32981 3 Pc. Insulated Industrial Pliers & Cutters

⚖ lbs. 2.18

Item No. Insulated Pliers & Cutters:

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

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



⚡ 1000Volt

32086 7 Pc. Insulated Industrial Combo Pliers & Screwdrivers

⚖ lbs. 1.83

Item No. Insulated Combination Pliers:

32086 8" Long Nose Pliers

Drivers: Slotted: 3.0, 4.0mm

Phillips: #0, 1, 2

Square: #2



In canvas tool bag



⚡ 1000Volt

32977 11 Pc. Pliers & Driver Set.

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

Item# 32977

⚖ lbs. 6.30

8.0" Combination Pliers

6.3" & 8.0" Long Nose Pliers W/Cutter

6.3" Diagonal Cutter

8.0" High Leverage Cutter

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



⚡ 1000Volt

32984 6 Pc. Insulated Industrial Combo Pliers & Screwdrivers

⚖ lbs. 2.06

Item No. Insulated Combination Pliers:

32984 8.0" Combination Pliers

8" Long Nose Pliers

Drivers: Slotted: 3.0, 4.5mm

Phillips: #2 • Square: #2

Insulated BiCut SuperCut & Screwdriver Set

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



⚡ 1000volt

32942 7 Pc. Insulated Industrial BiCut SuperCut & Screwdrivers

⚖ lbs. 1.86

Item No. Insulated BiCut SuperCut:

32942 8.0"/200mm BiCut SuperCut

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

Slotted: 3.0, 4.5, 5.5mm



⚡ 1000Volt

32983 5 Pc. Insulated Industrial Diagonal Cutters & Screwdrivers

⚖ lbs. 1.17

Item No. Insulated Diagonal Cutters:

32983 6.3"/160mm Diagonal Cutter

Insulated Drivers: Phillips: #1, #2

Slotted: 3.0, 4.5mm



⚡ 1000Volt

32973 22 Pc. Pliers & Driver Set.

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

In molded tool box

Item# 32973 Set Includes: ⚖ lbs. 8.70

9.0" Linemans Pliers W/Cutters

8.0" Long Nose Pliers W/Cutter

8.0" Diagonal Cutters

50mm Cable Stripping Knife

Insulated Slim Slotted: 3.5, 4.5mm

Insulated Slim Phillips: #1, 2

Insulated Slim Xeno: #1, 2

Insulated Slim Square: #1, 2

Insulated T-handle Hex Inch:

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

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

Wiha Insulated Industrial Tool Sets



1000volt

In Roll
Out
Pouch

In Roll
Out
Pouches

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

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



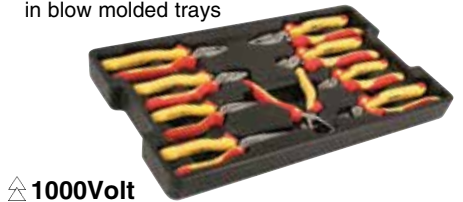
1000volt

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

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



Tool box set
in blow molded trays



1000Volt

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

Item No.	Set Includes:
32989	9.0" Lineman's Pliers
	8.0" High Leverage Combo Pliers
↔	6.3" & 8.0" Long Nose Pliers
lbs.	8.0" Cable Cutters
6.34	6.3" & 8.0" Diagonal Cutters
	6.3" Stripping Pliers
	7.0" Crimping Pliers
	Slotted: 2.5, 3.0, 3.5, 4.0, 4.5, 5.5, 6.0, 6.5, 8.0, 10.0mm
	Phillips: #0, #1, #2, #3
	Xeno Slotted/Phillips: #1, #2
	Square: #1, #2
	Cat. IV Voltage Detector - 50-1000 Volt, Battery Operated



In Belt
Pack
Pouch

1000volt

32985 7 Pc. Insulated Industrial Pliers/Cutters & Screwdrivers

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



In Roll
Out
Pouch

1000volt

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

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



1000Volt

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

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

Item No.	Set Includes 1/4" Insert Bits:
32990	Slotted: 4.5, 5.5, 6.0mm
	Phillips: #0, 1, 2, 3
	Square: #1, 2, 3
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



Tool box
set in blow
molded tray

1000Volt

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

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

Insulated Pliers/Cutters Tool Set



32968 3 Piece Insulated Industrial Pliers/Cutters Set.

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

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

Apprentice Tool Set



32934 16 Piece Insulated Apprentice Tool Set. Insulation

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

Item# 32934 Set Includes: \rightarrow lbs. 8.42
 9.5" Insulated Industrial NE Style Lineman's Pliers
 8.0" Insulated Industrial Long Nose Pliers
 8.0" Insulated Industrial Heavy Duty Diagonal Cutters
Insulated SoftFinish® Screwdrivers:
Slotted: 4.5, 6.5mm | **Phillips:** #1, #2 | **Square:** #2
Insulated PicoFinish® Precision Screwdrivers:
Slotted: 2.5, 3.0, 3.5mm | **Phillips:** #0
 7.25" Wire Stripping Pliers 10-20 AWG
 25 Ft. Tape Measure, 20 oz. Claw Hammer, 9" Torpedo Level

Journeyman's Tool Set



Δ 1000volt

32935 30 Piece Insulated Journeyman's Tool Set. Insulation

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

Item# 32935 Set Includes: \rightarrow lbs. 14.88

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

Insulated SoftFinish® Screwdrivers:

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

Insulated PicoFinish® Precision Screwdrivers:

Slotted: 2.5, 3.0, 3.5mm | **Phillips:** #0, #1

Extra Heavy Duty SoftFinish® Screwdriver: Slotted 8.0mm

Nut Setters: 1/4, 5/16, 3/8"

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



Ergonomic cushion grip handles for comfort and control



Dual durometer construction for long-lasting durability



Handles direct molded to tool steel for permanent bond

Slip guard handle design for added protection

Wiha premium quality tool steel for strength and durability


Standard industrial brushed finish for surface endurance

Induction hardened cutting edges & jaws for superior sharpness and longevity


Master Technician's Tool Set



32937 59 Piece Insulated Master Electrician's Tool Set.

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

Long term cutting is achieved through additional inductive hardening to approx. 64HRC. C70 special tool steel hardened and tempered to high quality. Cushion Grip Insulated handles. In canvas tool bag.

Item# 32937 Set Includes:  lbs. 18.45

9.5" Insulated Industrial NE Style Lineman's Pliers

8.0" Insulated Industrial Long Nose Pliers

8.0" Insulated Industrial Heavy Duty Diagonal Cutters

8.0" Insulated Industrial Cable Cutters

10.0" Insulated Water Pump Pliers

Insulated SoftFinish® Screwdrivers:

Slotted: 4.0, 4.5, 5.5, 6.5mm | **Phillips:** #1, #2

Square: #1, #2 | **Terminal Xeno Slit/Ph:** #1, #2

Nut Drivers Inch: 7/32, 1/4, 5/16, 3/8, 7/16, 1/2"

Insulated PicoFinish® Precision Screwdrivers:

Slotted: 2.5, 3.0, 3.5mm | **Phillips:** #00, #0, #1

22 Pc. ErgoStar Ball End Hex Inch & Metric L-keys

Inch: .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"

Metric: 1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 8.0, 10.0mm

Extra Heavy Duty SoftFinish® Screwdriver: Slotted 8.0mm

Nut Setters: 1/4, 5/16, 3/8"

10.0" Auto Water Pump Pliers

7.25" Wire Stripping Pliers 10-20 AWG

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

5.75" Cat. IV Voltage Detector 50-1000 Volts



No Hassle Guarantee

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

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

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

Exclusions

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

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

Numerical Index by Item Number

Item No.	Page	Item No.	Page	Item No.	Page	Item No.	Page	Item No.	Page
10250	30	20032	4	21212	5	2836	17,18	31343	9
11610	31	20091	4	21213	5	28369	17,18	31344	9
11950	13	20093	4	21214	5	28371	17,18	31345	9
11960	14	20131	4	21215	5	28372	21	31350	9
11975	14	20133	4	21216	5	28373	21	31390	10
11980	14	20135	4	21217	5	28390	19	31391	10
12326	13	20136	4	21218	5	28391	19	31393	9
12327	11	20137	4	21219	5	28392	19	31394	10
12851	10	20138	4	21290	5	28393	18	31395	10
12852	11	20140	4	21319	5	28394	18	31396	9
12853	13	20141	4	21321	5	28395	18	31425	10
12854	10	20142	4	21323	5	28396	19	31428	10
12855	10	20144	4	21325	5	28397	20	31429	10
12856	11	20145	4	21327	5	28398	19	31430	10
12857	11	20146	4	21329	5	28399	19	31431	10
12858	13	20147	4	21331	5	28700	17	31432	10
12859	13	20148	4	21333	5	28724	17	31433	10
13650	8	20149	4	21334	5	28726	17	31434	10
13651	8	20151	4	21335	5	28727	17	31435	10
13652	8	20154	4	21336	5	28734	17	31436	10
13653	8	20190	4	21337	5	28736	17	31437	10
13654	8	20192	4	21391	5	28738	17	31438	10
13655	8	20194	5	25505	26	28740	17	31439	10
13656	8	20196	5	25511	26	28741	17	31450	9
13657	8	21008	6	28301	20	28742	17	31460	9
13658	8	21009	6	28302	20	28750	17	31491	11
13659	8	21010	6	28303	20	28751	17	31493	11
13662	8	21011	6	28304	20	28752	17	31495	11
13663	8	21012	6	28307	21	28781	17	31496	11
13664	8	21013	6	28308	21	28789	17	31506	10
13665	8	21014	6	28309	21	28791	16	31507	10
13666	8	21015	6	28310	21	28792	16	31508	10
13667	8	21017	6	28311	20	28795	16	31509	10
13668	8	21019	6	28312	21	29006	10	31510	10
13669	8	21020	6	28315	21	29009	11	31511	10
13670	8	21022	6	28316	20	29012	13	31512	10
13671	8	21024	6	28317	21	29250	13	31513	10
13672	8	21027	6	28319	21	30114	16	31514	10
13673	8	21030	6	28320	21	30138	16	31515	10
13690	8	21032	6	28321	21	30152	16	31516	10
13691	8	21040	6	28325	21	30190	16	31517	10
13693	8	21042	6	28326	21	30192	16	31518	10
13694	8	21044	6	28327	21	30700	29	31519	10
15000	7	21046	6	28328	20	30701	29	31520	10
15003	7	21048	6	28329	21	30711	29	31521	10
15050	7	21050	6	28330	21	30712	29	31522	10
19767	14	21052	6	28331	21	30746	22	31524	10
20006	4	21054	6	28332	21	30747	22	31590	11
20007	4	21056	6	28333	21	30770	23	31592	11
20008	4	21057	6	28334	21	31326	9	31593	12
20009	4	21058	6	28335	21	31327	9	31595	11
20010	4	21060	6	28336	21	31328	9	31596	12
20011	4	21062	6	28337	21	31329	9	31608	12
20012	4	21064	6	28338	21	31330	9	31609	12
20013	4	21066	6	28339	21	31331	9	31610	12
20014	4	21068	6	28340	21	31332	9	31611	12
20015	4	21093	6	28341	21	31333	9	31612	12
20016	4	21094	6	28342	21	31334	9	31613	12
20017	4	21095	6	28343	21	31335	9	31614	12
20018	4	21096	6	28344	21	31336	9	31615	12
20019	4	21103	30	28346	21	31337	9	31616	12
20020	4	21105	30	28347	21	31338	9	31617	12
20022	4	21208	5	28348	21	31339	9	31618	12
20024	4	21209	5	28350	17	31340	9	31619	12
20027	4	21210	5	28366	17,18	31341	9	31620	12
20030	4	21211	5	28367	17,18	31342	9	31621	12

Item No.	Page	Item No.	Page	Item No.	Page	Item No.	Page	Item No.	Page
31622	12	32045	24	32268	27	32947	33		
31623	12	32046	22	32270	27	32948	32		
31624	12	32049	22	32273	27	32951	30		
31626	12	32052	22	32276	27	32954	31		
31627	12	32055	22	32278	27	32956	31		
31628	12	32058	22	32280	27	32960	31		
31630	12	32079	23	32288	27	32968	36		
31632	12	32080	31	32291	27	32973	34		
31650	9	32081	31	32292	27	32977	34		
31691	12	32083	25	32293	27	32981	34		
31694	13	32084	25	32294	27	32983	34		
31703	12	32085	23	32296	27	32984	34		
31704	12	32086	34	32302	28	32985	35		
31705	12	32087	26	32303	28	32986	35		
31707	12	32088	23	32304	28	32987	35		
31708	12	32089	29	32305	28	32988	35		
31709	12	32090	24	32306	28	32989	35		
31710	12	32091	25	32308	28	32990	35		
31712	12	32092	25	32366	28	32999	35		
31713	12	32093	25	32400	29	33441	15		
31714	12	32094	25	32401	29	33443	15		
31715	12	32095	26	32402	29	33445	15		
31716	12	32096	25	32403	29	33447	15		
31718	12	32097	25	32490	18	33449	15		
31720	12	32099	25	32505	28	33478	15		
31722	12	32100	24	32511	28	33481	15		
31790	12	32101	24	32512	22	33482	15		
31792	13	32102	24	32513	22	33483	15		
31793	12	32103	24	32514	22	33485	15		
31796	12	32104	24	32515	22	33486	15		
31805	9	32105	24	32516	28	33487	15		
31807	9	32106	23	32517	22	33490	15		
31809	9	32107	23	32518	22	33532	24		
31811	9	32108	23	32519	22	33632	15		
31813	9	32145	22	32521	28	33634	15		
31815	9	32146	22	32526	28	33637	15		
31817	9	32188	26	32531	28	33641	15		
31830	9	32189	23	32536	28	35811	25		
31832	9	32190	26	32541	28	35812	25		
31834	9	32192	26	32546	28	35844	22		
31836	9	32194	23	32551	28	35845	22		
31838	9	32195	22	32556	28	35890	25		
31840	9	32196	23	32561	28	35891	25		
31842	9	32197	22	32590	28	38050	30		
31844	9	32198	22	32592	28	38051	30		
31890	9	32199	29	32596	23	40800	13		
32000	23	32206	27	32900	32	61630	30		
32001	23	32209	27	32902	33	75205	14		
32002	23	32212	27	32917	32	75210	14		
32003	23	32215	27	32923	33	75215	14		
32004	23	32218	27	32926	33	75220	14		
32005	24	32221	27	32927	33	75302	14		
32010	24	32224	27	32928	33	75304	14		
32012	24	32227	27	32929	32	76208	7		
32015	24	32230	27	32930	32	76210	7		
32017	24	32233	27	32933	32	76212	7		
32023	24	32236	27	32934	36	76215	7		
32024	24	32238	27	32935	36	76290	7		
32025	24	32239	27	32936	33				
32026	24	32240	27	32937	37				
32027	24	32241	27	32938	32				
32028	24	32255	27	32939	32				
32031	24	32258	27	32941	33				
32034	24	32261	27	32942	34				
32039	24	32264	27	32944	33				
32042	24	32267	27	32945	33				

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[63892-7370](#) [11-18-3209](#) [63860-4070](#) [63881-0970](#) [A0403641](#) [11-18-3040](#) [63865-2070](#) [63910-1470](#) [63861-5070](#) [63850-7470](#) [11-18-3201](#)
[63910-7570](#) [FM 0501 146](#) [63883-0670](#) [63830-0070](#) [63902-9170](#) [11-18-3147](#) [11-18-3079](#) [63883-2670](#) [63900-1770](#) [11-18-3190](#) [63851-1070](#)
[63912-4770](#) [63911-5270](#) [63895-1070](#) [63860-1470](#) [63850-6070](#) [1-69411-3](#) [63852-9270](#) [63802-6270](#) [63902-4870](#) [11-18-3202](#) [63852-9170](#)
[63850-1070](#) [63830-0170](#) [63910-2870](#) [11-18-3010](#) [63820-7070](#)