



**THE DATASHEET OF
20151**



2022

PROFESSIONAL INSULATED TOOLS



Supporting Arc Flash Protection



COMPLETE INSULATED PROGRAM



99919 Wiha Insulated Catalog

2 Tools that work for you

Arc Flash Protection:

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

ARC FLASH

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

WHY ARC FLASHES HAPPEN

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

ARC FLASH COMPLIANCE

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

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

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










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

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


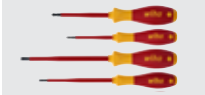



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<http://www.martinarcflash.com>


OSHA


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



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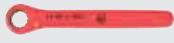
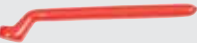
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Wiha Insulated Screwdrivers with SoftFinish® Cushion Grip Handle

Insulation Test Standards:

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

Responds to OSHA's use specification 29 CFR1910

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

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

Insulation
Molded directly onto the blade for permanent bonding

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

1000V



1000Volt

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

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



1000Volt

32105 2 Piece Slotted & Phillips Set

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



1000Volt

33532 2 Piece Slotted & Phillips Set

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



1000Volt

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

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

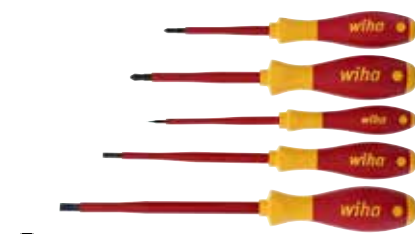






1000Volt

32090 4 Piece Slotted & Phillips Set





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

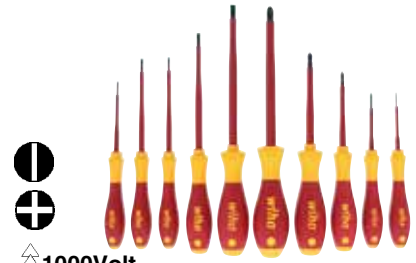
Wiha Insulated Screwdrivers with SoftFinish® Cushion Grip Handle







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







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



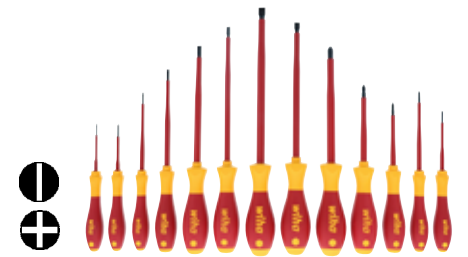
 **1000Volt**
32093 10 Piece Slotted & Phillips Set
 Item No.  Slotted: 2.0, 2.5, 3.0, 3.5, 4.5, 6.5
32093  Phillips: #0, 1, 2, 3
 lbs. 1.63







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





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



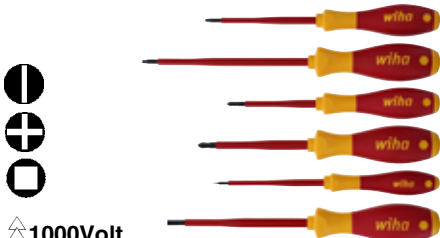
 **1000Volt**
32094 13 Piece Slotted & Phillips Set
 Item No.  Slotted: 2.0, 2.5, 3.0, 3.5, 4.5, 5.5, 6.5, 8.0, 10.0mm
32094  Phillips: #0, 1, 2, 3
 lbs. 2.3


Wiha Insulated Square Tip Screwdrivers



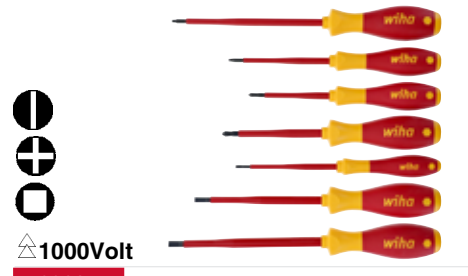
 **1000Volt**
358 Square Tip Screwdriver, With Wiha-SoftFinish® Handle Insulation According to ASTM, VDE, EN/IEC, NFPA70E and CSA,  up to 1000 Volt. Individually Tested. Blade high alloy CVM steel, hardened, black finish.


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



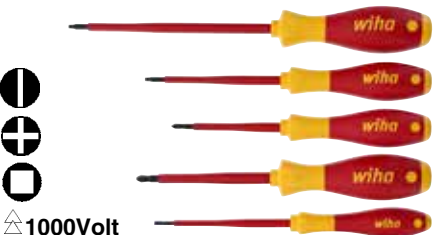
 **1000Volt**
35891 6 Pc. Insulated Slotted, Phillips and Square Screwdrivers


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



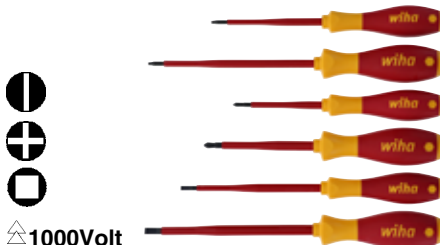
 **1000Volt**
32097 7 Piece Slotted, Phillips & Square Set In Clamshell


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



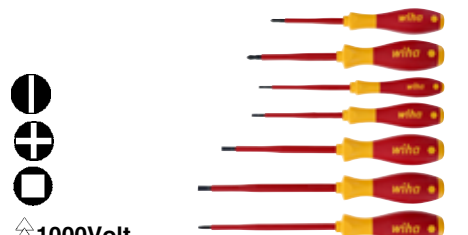
 **1000Volt**
32083 5 Piece Slotted, Phillips & Square Set


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



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

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



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

Item No.	Slotted	Phillips	Square	lbs.
32096	3.5, 4.0, 5.5, 6.5mm	#1, 2	#2	1.60

Wiha Insulated Screwdriver Sets



Tool box set in blow molded tray

1000Volt

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



1000Volt

32188	7 Piece Slotted & Phillips Set
Item No.	
32188	Slotted: 2.0, 2.5, 3.0, 3.5, 4.0
	Phillips: #0, 1
	lbs. .92



1000Volt

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

1000Volt



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

Cat. IV Voltage Detector - Battery Operated



1000Volt

25505	Battery Operated Voltage Detector Tests 50-1000 Volts. Category IV, CE IEC 61010-1 With audible sound and light warnings. (Requires 2 AAA batteries).
Item	mm Inch lbs.
No.	
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.	
25511	3.0 65 145 5.7 .04



1000Volt

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

Wiha Insulated Pozidriv® Screwdrivers



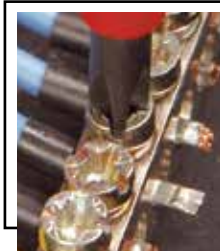
 **1000Volt**

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

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



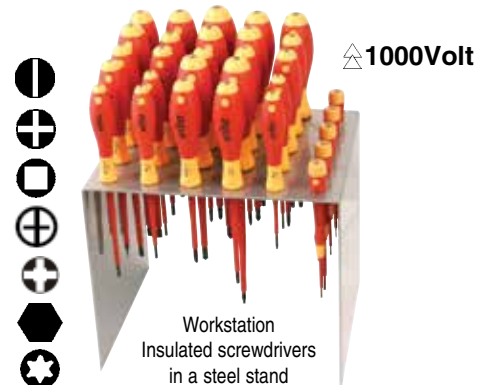
 Slotted/Pozidriv®

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

Wiha Insulated Screwdrivers



 **1000Volt**

Workstation Insulated screwdrivers in a steel stand

32199 30 Pc. Workstation Insulated Screwdriver Set

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

Insulated Drivers & Voltage Detector Sets



 **1000Volt**

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

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

Wiha Insulated Hex Metric Screwdrivers



⚡ 1000Volt

323 Hex Metric Screwdriver, With Wiha-SoftFinish® Handle

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

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

Wiha Insulated TORX® Screwdrivers

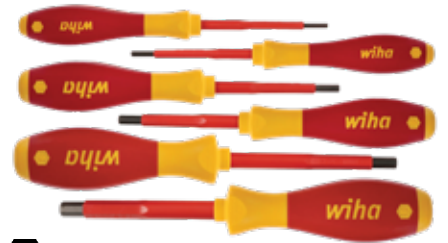


⚡ 1000Volt

325 TORX® Screwdriver, With Wiha-SoftFinish® Handle

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

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



⚡ 1000Volt

32366 6 Piece Insulated Hex Metric Screwdriver Set

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



⚡ 1000Volt

32590 6 Piece TORX® Set

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



⚡ 1000Volt

32592 10 Piece TORX® Set

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

Wiha Insulated Metric & Inch Nut Drivers



322 Metric Nut Drivers, With Wiha-SoftFinish® Handle Insulation According to ASTM F-1505, New VDE Specification 0682/part 201 and EN/IEC 60900, NFPA70E & CSA, Δ 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



Δ 1000Volt

32296 11 Pc. Nut Driver Set - Inch Sizes

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



Δ 1000Volt

32288 9 Pc. Nut Driver Set - Inch Sizes

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



Δ 1000Volt

32291 5 Pc. Nut Driver Set - Metric Sizes

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



Δ 1000Volt

32293 7 Pc. Nut Driver Set - Metric Sizes

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



Δ 1000Volt

32292 5 Pc. Nut Driver Set - Inch Sizes

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



Δ 1000Volt

32294 7 Pc. Nut Driver Set - Inch Sizes

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

Wiha Insulated SlimLine Screwdrivers

Insulation Test Standards:

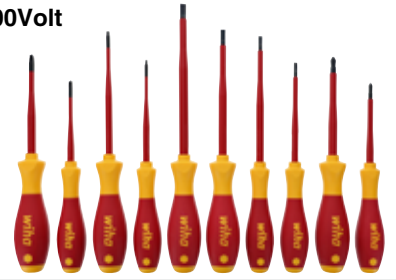
Insulation according to EN/IEC 60900, ASTM F-1505, VDE 0682/part 201, DIN 7437, NFPA70E & CSA specification

Ideal for jobs where access is limited

Integrated Slim Insulation molded directly onto blade



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: 3.5, 4.0, 4.5, 5.5, 6.5mm
32198	Phillips: #1, 2
	Square: #1, 2
lbs.	1.75
	Xeno: #1, 2



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



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.	Slotted	Phillips	Slim Dia. mm	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



307 Insulated Xeno SlimLine Drivers

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

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



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

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



1000Volt

32197 8 Piece Insulated SlimLine

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

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



321 Insulated Phillips SlimLine

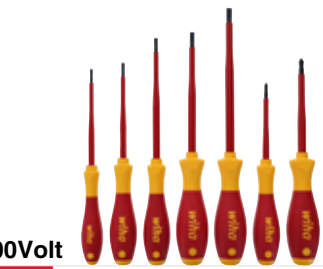
Screwdrivers Insulation According to ASTM F-1505, New VDE Specification 0682/part 201 and EN/IEC 60900, NFPA70E & CSA, up to 1000 Volt. Individually Tested to 10,000Volts.

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



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

Item No.	Size	Slim Dia. 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

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: 3.5, 4.0, 4.5, 5.5, 6.5mm
32195	Phillips: #1, 2
lbs.	1.41



Wiha Insulated SlimLine Screwdriver Sets



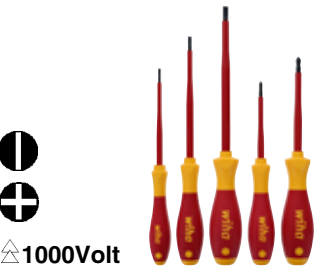
1000Volt

32196

6 Piece Insulated SlimLine

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

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



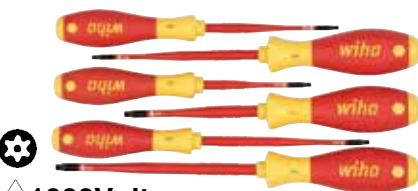
1000Volt

32194

5 Piece Insulated SlimLine

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

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



1000Volt

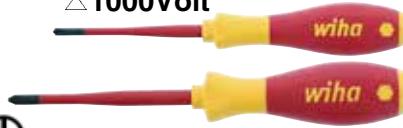
32596

6 Pc. Insulated SlimLine

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

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

1000Volt



⊕ Slotted/Phillips

30770

2 Pc. Insulated SlimLine Terminal

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

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



1000Volt

32189

2 Pc. Insulated SlimLine Slotted

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

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



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.	mm	Inch	mm	mm	lbs.
32000	1.5	.06	40	154	.05
32001	2.0	.08	40	154	.07
32002	2.5	.10	60	160	.07
32003	3.0	.12	60	160	.08
32004	3.5	.14	60	160	.08



1000Volt

321

Insulated Phillips PicoFinish

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

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



32088

8 Piece Slotted & Phillips

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

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

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



32085

5 Piece Slotted & Phillips

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

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

Rotating cap for precise turning and control with fingertip

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

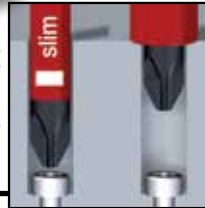
Integrated Slim Insulation molded directly onto blade

Insulation does not exceed screw head diameter

1000 Volt Rated
10,000 Volt Tested

High quality CV steel, through-hardened

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



283 Insulated TORX® SlimLine Blades

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

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



283 Insulated Slotted SlimLine Blades

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

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



283 Insulated Pozidriv® SlimLine Blades

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

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



283 Insulated Hex Metric SlimLine Blades

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

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



283 Insulated Phillips SlimLine Blades

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

Item No.	Size	Slim Dia.	Max Nm	Inch/ lbs.	Wrench lbs.
28317	1	4.0	3.8	33.7	.02
28319	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 Nm	Inch/ lbs.	Wrench lbs.
28320	1	4.0	3.8	33.6	.02
28321	2	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	Phillips: #1, #2	Square: #1, #2	Wrench lbs.
28372				.14



28373 7 Piece SlimLine Blade Set

High quality CV steel, through hardened, black finish.

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



28348 12 Piece Insulated SlimLine Blade Set With Belt Holder

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

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



283 Insulated Xeno Slotted/Phillips SlimLine Blades

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

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



283 Insulated Square SlimLine Blades

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

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

Wiha PicoFinish® SlimLine Blade Holder



1000Volt

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

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



28397 4-piece SlimLine Blade Set With 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



1000Volt

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

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

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



Wiha Cushion Grip SlimLine Blade Holder



1000Volt

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

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



1000Volt

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

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



1000Volt

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

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

Wiha SlimLine Adapters



1000Volt

28316 Insulated SlimLine Blade Extension For SlimLine Blade Holders

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



1000Volt

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

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

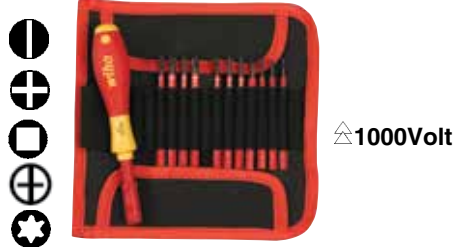
Wiha Insulated SlimLine Blade Sets



⚠️ 1000Volt

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

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	Hex Metric: #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

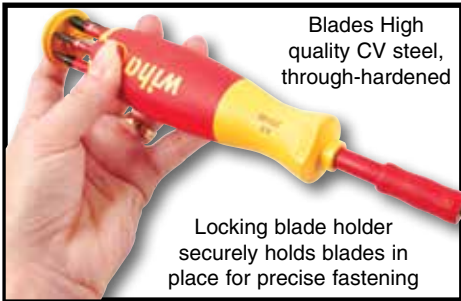
⚠️ 1000Volt



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 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



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



SlimLine Handles Hold SlimLine Blades

33% Narrower Insulation Diameter

Slim Diameter



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

28394 Set includes the following blades:

- ↓ ● Slotted: 3.0, 4.0mm
- ⊕ Phillips: #1, #2
- ⊖ Square: #1, #2
- ↔ lbs. .38



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

28395 Set includes the following blades:

- ↓ ● Slotted: 3.0, 4.0mm
- ⊕ Phillips: #1, #2
- ⊕ Terminal Xeno: #1, #2
- ↔ lbs. .38

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 TorqueControl Tools



28789 11 Pc. Insulated TorqueControl Set With SlimLine Blades

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

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

With Certificate of Calibration



28781 20 Piece Insulated TorqueControl Set With SlimLine Blades

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

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

Includes Certificate



⚠️1000Volt

*Requires SlimLine blade holder #28350

287 Insulated TorqueVario-S, With Window Scale Insulation ⚠️ up to 1000Volt. EN/IEC 60900 EN ISO 6789, BS EN 26789, ASME B107.14M & CSA, +/- 6% Accuracy.

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

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



⚠️1000Volt

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

Item No.	OAL	OAL	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

Item No.	Range	Inch lbs.	Increments	mm	lbs.
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. Repeatable accuracy to +/- 10%

Item No.	OAL	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 TorqueControl & SlimLine Tool Sets



In Roll-up Pouch

With Certificate of Calibration

 **1000Volt**

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



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

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

Item No. Slotted: 3.0, 4.0, 5.5mm

28791 Phillips: #1, 2

28726-Handle Range 10-50 Inch/lbs.

 lbs. .87

In Roll-up Pouch



 **1000Volt**

28792 16 Piece Insulated

TorqueControl Set With SlimLine Blades

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

Item No.

28792 SlimLine Slotted: 4.0, 5.5, 6.5mm

SlimLine Phillips: #1, 2


SlimLine Terminal Xeno: #1, 2

SlimLine TORX®: T8, T10, T15, T20

SlimLine Square: #1, 2

28727 - Handle Range 18-62 Inch/lbs.

SlimLine Blade Holder

 lbs. 1.27

With Certificate of Calibration



 **1000Volt**

28795 12 Pc. Insulated TorqueControl

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

Item No.

28795 SlimLine Slotted: 4.0, 5.5, 6.5mm

SlimLine Phillips: #1, 2


SlimLine Pozidriv®: #1, 2

SlimLine Terminal Xeno SI/Pz: #2

28736 - Handle Range 0.8 - 5.0 Nm

SlimLine Blade Holder Handle

SlimLine Blade Holder

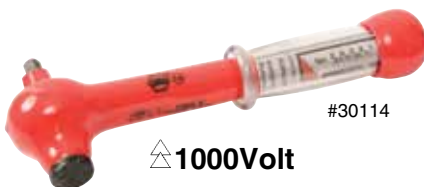
 lbs. 1.32

With Certificate of Calibration

Wiha Insulated Torque Ratchet Wrench Sets



#30138



#30114

 **1000Volt**

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

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

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



 **1000Volt**

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

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

Item No. Inch 3/8" Drive Sockets:

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

*Sockets must be used with insulated ratchets & extensions



 **1000Volt**

30192 16 Pc. Insulated 3/8" Drive Ratcheting Torque Wrench & Socket Set -

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

Item No. Metric 3/8" Drive Sockets:

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

*Sockets must be used with insulated ratchets & extensions

Wiha Insulated Pop-Up Insert Bit Sets

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

Convenient rotating cap



Friction hold bit holder securely holds bits in place

Blades High quality CV steel, through-hardened



1000Volt Rated
10,000 Volt Tested



1000Volt

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

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

Item Set includes the following bits:

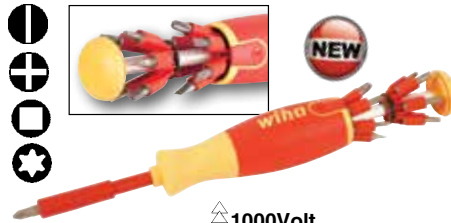
No. ↓ Slotted: 4.5, 5.5, 6.0mm

38050 Phillips: #0, 1, 2, 3

Square: #1, 2, 3

Pozidriv®: #1, 2, 3

lbs. .46



1000Volt

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

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

Item Set includes the following bits:

No. ↓ Slotted: 4.5, 5.5, 6.0mm

38051 Phillips: #0, 1, 2, 3

Square: #1, 2, 3

TORX®: T15, T20, T25

lbs. .46

Insulated Folding Ruler

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



With Wire Puller Slot



61630 Insulated Inch & Metric Folding Ruler

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

Item

No. Meter Inch Sections Increments lbs.

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

Protturn Insulated Electrician's Shears



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

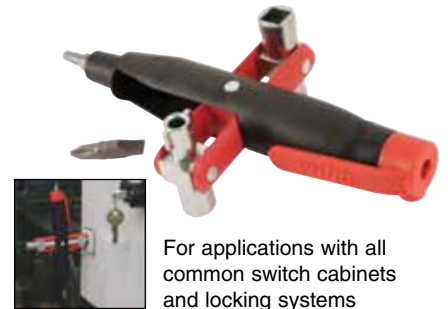
Made from stainless 420 grade steel

Item

No. mm Inch lbs.

32951 160 6.3 .22

Pen Style Control Cabinet Key



For applications with all common switch cabinets and locking systems

21105 Pen Style Control Cabinet Key

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

Item No. mm Inch lbs.

21105 140 5.5" .30

Switch Cabinet Key



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

Item No. mm Inch lbs.

21103 76 3.0" .22

Insulated Stripping Pliers



1000Volt

10250 Insulated Stripping Pliers.

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

Item No. mm Inch Ø AWG lbs.

10250 160 6.3" 0.81-2.59 20-10 .26

For your safety, use tools marked:



ASTM F1505
> Meets Specifications

GOOD



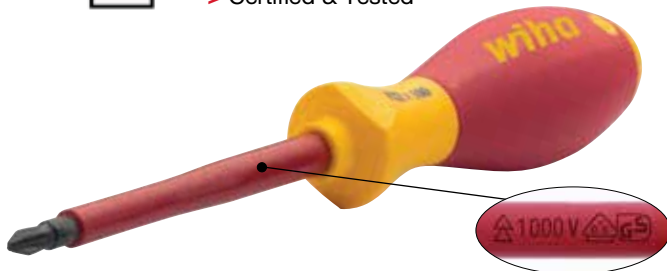
IEC 60900
> Meets Specifications

BETTER



VDE 0680
> Certified & Tested

BEST



- > Individually tested to block potentially hazardous voltages from reaching you
- > Double insulation certified to protect user and equipment
- > Ergonomic cushion grip handles for less strain and maximum comfort



WARNING!

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

Use & Care Guide For Insulated Tools:

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

Insulated Pliers/Cutters Tool Set



32968

3 Piece Insulated Industrial Pliers/Cutters Set.

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

Item# 32968 Set Includes: lbs. 2.35

9.5" Insulated Industrial NE Style Lineman's Pliers

8.0" Insulated Industrial Long Nose Pliers

8.0" Insulated Industrial Heavy Duty Diagonal Cutters

Apprentice Tool Set



32934

16 Piece Insulated Apprentice Tool Set. Insulation

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

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

Item# 32934 Set Includes: lbs. 8.42

9.5" Insulated Industrial NE Style Lineman's Pliers

8.0" Insulated Industrial Long Nose Pliers

8.0" Insulated Industrial Heavy Duty Diagonal Cutters

Insulated SoftFinish® Screwdrivers:

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

Insulated PicoFinish® Precision Screwdrivers:

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

7.25" Wire Stripping Pliers 10-20 AWG

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

Journeyman's Tool Set



Master Technician's Tool Set



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

Item# 32935 Set Includes: ⚖️ lbs. 14.88

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

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

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

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

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

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

Item# 32937 Set Includes: ⚖️ lbs. 18.45

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

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

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

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

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

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



Wiha Insulated Industrial Tool Sets



⚡ 1000Volt

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

Item No. Insulated Pliers & Cutters:

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

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



⚡ 1000Volt

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

Item No. Insulated Combination Pliers:

32086 8" Long Nose Pliers

Drivers: Slotted: 3.0, 4.0mm

Phillips: #0, 1, 2

Square: #2



⚡ 1000Volt

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

Item No. Insulated Combination Pliers:

32984 8.0" Combination Pliers

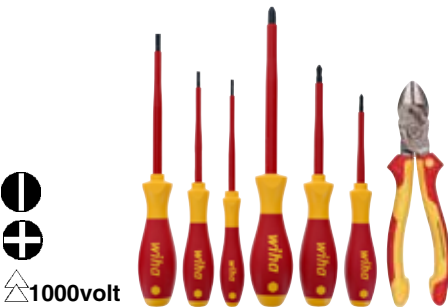
8" Long Nose Pliers

Drivers: Slotted: 3.0, 4.5mm

Phillips: #2 • Square: #2

Insulated BiCut SuperCut & Screwdriver Set

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



⚡ 1000volt

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

Item No. Insulated BiCut SuperCut:

32942 8.0"/200mm BiCut SuperCut

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

Slotted: 3.0, 4.5, 5.5mm



⚡ 1000Volt

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

Item No. Insulated Diagonal Cutters:

32983 6.3"/160mm Diagonal Cutter

Insulated Drivers: Phillips: #1, #2

Slotted: 3.0, 4.5mm



In canvas tool bag



⚡ 1000Volt

32977 11 Pc. Pliers & Driver Set.

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

Item# 32977 ⚖ lbs. 6.30

8.0" Combination Pliers

6.3" & 8.0" Long Nose Pliers W/Cutter

6.3" Diagonal Cutter

8.0" High Leverage Cutter

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



In canvas tool bag



⚡ 1000Volt

32973 22 Pc. Pliers & Driver Set.

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

In molded tool box

Item# 32973 Set Includes: ⚖ lbs. 8.70

9.0" Linemans Pliers W/Cutters

8.0" Long Nose Pliers W/Cutter

8.0" Diagonal Cutters

50mm Cable Stripping Knife

Insulated Slim Slotted: 3.5, 4.5mm

Insulated Slim Phillips: #1, 2

Insulated Slim Xeno: #1, 2

Insulated Slim Square: #1, 2

Insulated T-handle Hex Inch:

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

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

Wiha Insulated Industrial Tool Sets



1000volt



In Roll
Out
Pouches

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

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

In Roll
Out
Pouch



1000volt

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

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



Tool box set
in blow molded trays

1000Volt

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

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



In Belt
Pack
Pouch

1000volt



32985 7 Pc. Insulated Industrial Pliers/Cutters & Screwdrivers

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

In Roll
Out
Pouch



1000volt



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

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

1000Volt



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

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

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

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

Industrial brushed finish

Induction hardened jaws and cutters to 64 HRC

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

1000V

Ergo comfort grip with slip guard

Two component ergo cushion grip handles

Insulated 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, **1000 volt.** Individually Tested. DIN ISO 5746

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

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

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, **1000 Volt.** Individually Tested. Long life edge is achieved through additional induction hardening to approx. 64HRC. Special C70 tool steel hardened & tempered. Extra long cutting edge for flat and round cables.

Item No.	mm	Inch	wt.
32938	245	9.5	1.18

Insulated High Leverage Diagonal Cutters

1000volt

32939 Insulated Industrial High Leverage Diagonal Cutters. Insulation According to VDE, EN/IEC, ASTM, NFPA70E & CSA, **1000 volt rated.** Individually Tested. DIN ISO 5749

Semi-circular. Low wear lap joint, riveted and able to withstand high levels of load. Lightweight action, clean cutting. Long term cutting is achieved through additional inductive hardening to approx. 64HRC. C70 special tool steel hardened and tempered to high quality. For soft, hard & piano wire, lay-on joint, optimized power transmission.

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

Insulated Crimpers

1000volt

32945 Insulated Industrial Crimping Pliers. Insulation According to VDE 0682/ part 201, EN/IEC 60900, ASTM F-1505, NFPA70E and CSA, **1000 Volt.** Individually Tested.

Semi-circular profiles for secure connection between end sleeve and conductor. Long life is achieved through additional induction hardening to 64HRC. Crimps 6 - 30 AWG Connectors.

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

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, **1000 Volt.** Individually Tested. Long life edge is achieved through additional induction hardening to approx. 64HRC. Special C70 tool steel hardened & tempered. Extra long cutting edge for flat and round cables.

Item No.	mm	Inch	wt.
32948	245	9.5	1.22

Insulated Diagonal Cutters

Long life high performance dynamic 60/40 joint

1000volt

329 Insulated Industrial Diagonal Cutters. Insulation According to VDE, EN/IEC, ASTM, NFPA70E & CSA, **1000Volt Rated.** Individually Tested. DIN ISO 5749

Low wear lap joint, riveted to able to withstand high levels of load. Lightweight action, clean cutting. Long term cutting is achieved through additional inductive hardening to approx. 64HRC. Special tool steel hardened & tempered. For soft, medium hard wire & piano wire.

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

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.	mm	Inch	Stripping Capacity Copper AWG	wt.
32947	160	6.3	#8 - #28	.46

Insulated Long Nose Pliers With Cutters



 1000volt

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


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

Insulated Bent Nose Pliers

Angled 40°



 1000volt

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

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


Insulated Flat Nose Pliers

Two component Soft Grip handles



Extra long head

 1000volt


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


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

Insulated BiCut SuperCut

Cutting capacity up to 3mm hardened piano wire



 1000volt


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

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

Insulated Heavy Duty Cable Cutters



 1000volt


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

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

Insulated TriCut Strippers and Cutters

 1000volt



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

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

Insulated Pliers Wrench



 1000Volt



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


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

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

Insulated Water Pump Pliers



 1000volt

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

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

Rapid & simple push button setting & locking

 1000volt

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

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

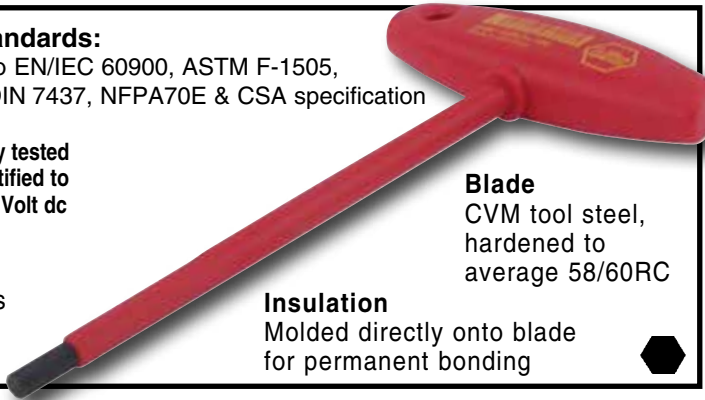
Wiha Insulated T-handle Hex Drivers

Insulation Test Standards:

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

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

Responds to OSHA's use specification 29 CFR1910



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

Insulation
Molded directly onto blade for permanent bonding

1000Volt

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

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

1000Volt

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

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



1000Volt

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

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

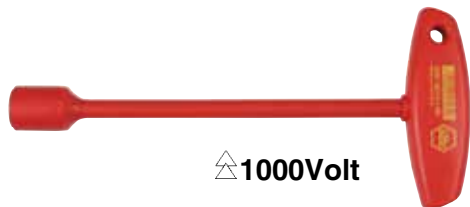
1000Volt



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

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

Wiha Insulated T-handle Metric Nut Drivers



1000Volt

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

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

WARNING!

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

Wiha Insulated Serrated Tweezers

Meets EN/IEC Insulation Standards

Slip guards at tips
for user safety

Carbon steel
with chrome
nickel plated



Two layer high
contrast insulated
coatings

1000V

10,000 Volt tested 1000Volt rated



1000Volt

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

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



1000Volt

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

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



1000Volt

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

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



1000Volt

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

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



1000Volt

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

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



1000Volt

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

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

Wiha Insulated Hex Bit Sockets



1000Volt

318 Insulated 3/8" Drive Sockets

Chrome-vanadium steel, forged, oil-hardened.

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

*Sockets must be used with insulated ratchets & extensions



1000Volt

31890 7 Pc. Insulated 3/8" Drive Socket Set - Inch CV steel, forged, oil-hardened sockets. Insulated to EN/IEC 60900.

Item No. Set includes the following:

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



1000Volt

318 Insulated 1/2" Drive Sockets

Chrome-vanadium steel, forged, oil-hardened.

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

*Sockets must be used with insulated ratchets & extensions

Wiha Insulated Socket Adapters / Reducers

1000Volt



#31350

#31450

#31460

#31650

Insulated Socket Adapters / Reducers

CV steel, forged, oil-hardened.

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

Wiha Insulated 1/4" Sockets, Accessories & Sets


6 Point



 1000Volt

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


Chrome-vanadium steel, forged, oil-hardened.

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

*Sockets must be used with insulated ratchets & extensions

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

Chrome-vanadium steel, forged, oil-hardened.

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

*Sockets must be used with insulated ratchets & extensions



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

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

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

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

Wiha Insulated 1/4" Sets & Accessories



 1000Volt

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

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

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



 1000Volt

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

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

 1000Volt




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

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



 1000Volt

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

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



 1000Volt


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

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



 1000Volt

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

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

 1000Volt



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

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

Wiha Insulated 3/8" Sockets



1000Volt

314 Insulated 3/8" Drive Sockets -

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

Individually Tested.

CV steel, forged, oil-hardened.

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

*Sockets must be used with insulated ratchets & extensions



1000Volt

315 Insulated 3/8" Drive Sockets-

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

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

*Sockets must be used with insulated ratchets & extensions

Wiha Insulated 3/8" Sockets & Sets



1000Volt

31493 10 Pc. Insulated 3/8" Drive Socket

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

Item No. Set includes the following:

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



1000Volt

31590 10 Pc. Insulated 3/8" Drive Socket

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

Item No. Set includes the following:

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



1000Volt

31491 16 Piece Insulated 3/8" Drive

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

Item No. Set includes the following:

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



1000Volt

31495 24 Pc. Insulated 3/8" Drive Socket

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

Item No. Set includes the following:

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

*Sockets must be used with insulated ratchets & extensions



1000Volt

31592 24 Pc. Insulated 3/8" Drive Socket

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

Item No. Set includes the following:

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

*Sockets must be used with insulated ratchets & extensions

Wiha Insulated 3/8" Socket Accessories and Sets



1000Volt

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

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



1000Volt

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

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



1000Volt

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

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



1000Volt

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

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

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

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

Wiha Insulated 3/8" Socket Sets On Rails



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

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



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

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

Wiha Insulated 1/2" Sockets



Individually Tested

1000Volt

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

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

*Sockets must be used with insulated ratchets & extensions



1000Volt

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

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

*Sockets must be used with insulated ratchets & extensions

Wiha Insulated 1/2" Socket Sets



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

Item No.	Set includes:
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. 6.28
	17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 30, 32mm

Wiha Insulated 1/2" Socket accessories



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

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



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

Item No.	Set includes the following:
31790	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1" Sockets
↕↔	1/2" x 125mm Extension Bar
lbs. 11.41	1/2" x 250mm Extension Bar
	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



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

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



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

Item No.	Set includes the following:
31691	8, 9, 10, 12, 13, 14, 15, 17, 19, 22, 24mm Sockets
↕↔	1/2" x 125mm Extension Bar
lbs. 11.39	1/2" x 250mm Extension Bar
	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

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

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



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

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



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

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



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






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

Wiha Insulated Hex L-keys



1000Volt






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

Item No.					
No.	Inch	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



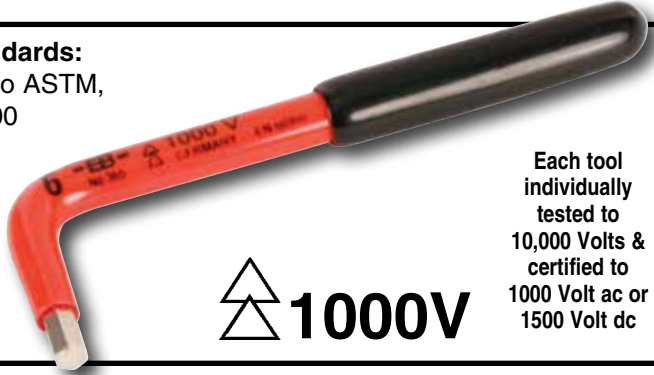
1000Volt

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




1000Volt

13694 12 Pc. Insulated Inch Hex L-key Set

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

1000Volt

13691 7 Piece Insulated Metric Hex L-key Set

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

1000Volt

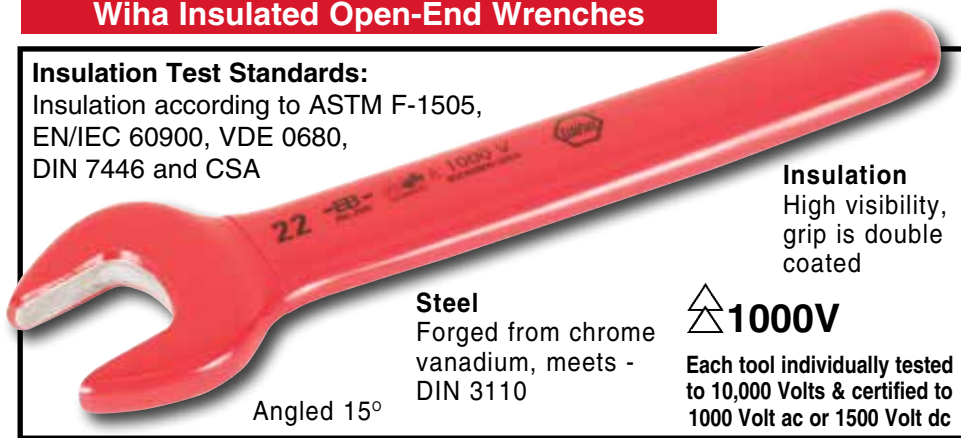
13693 10 Piece Insulated Metric Hex L-key Set

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

Wiha Insulated 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.	 OAL	 OAL	 lbs.
No.	Inch	Inch	Inch
20194	1/4	3.4	11/16
	5/16	3.9	3/4
	3/8	4.1	13/16
	7/16	4.6	7/8
	1/2	5.5	15/16
	9/16	5.7	1
	5/8	6.2	




In Tool Box Tray



 **1000Volt**

20196 13 Pc. Insulated Metric Open

End Wrench Set In Tool Box Tray

Item No.	 OAL	 OAL	 lbs.
No.	mm	mm	mm
20196	8.0	104	16.0
	10.0	107	17.0
	11.0	118	18.0
	12.0	129	19.0
	13.0	137	22.0
	14.0	150	24.0
	15.0	151	

Wiha Insulated Ratchet Wrenches

Insulation Test Standards:

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



Steel
Forged from chrome vanadium, meets - DIN 3110

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



 **1000V**



 **1000Volt**

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

Blade chrome-vanadium steel, hardened.



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



 **1000Volt**

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




Blade chrome-vanadium steel, hardened.

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



 **1000Volt**




21391 6 Piece Inch Insulated Ratchet Wrenches Set

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



 **1000Volt**

21290 7 Piece Metric Insulated Ratchet Wrenches Set

Item No.	 OAL	 OAL	 lbs.
No.	mm	mm	mm
21290	8.0	4.9	14.0
	10.0	5.5	17.0
	12.0	5.9	19.0
	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



1000Volt

21094 16 Piece Inch Insulated Offset Ring Wrenches Set

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

21096 8 Piece Inch Insulated Offset Ring Wrenches Set

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

210 Insulated Inch Offset Ring Wrenches

Blade CV steel, hardened.

Item No.	Inch	lbs.
21040	1/4	.16
21042	5/16	.18
21044	3/8	.20
21046	7/16	.22
21048	1/2	.30
21050	9/16	.30
21052	5/8	.34
21054	11/16	.34
21056	3/4	.44
21057	25/32	.58
21058	13/16	.52
21060	7/8	.64
21062	15/16	.90
21064	1.0	.96
21066	1-1/16	1.28
21068	1-1/4	1.38

1000Volt



1000Volt

21093 16 Piece Metric Insulated Offset Ring Wrenches Set

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

21095 8 Piece Metric Insulated Offset Ring Wrenches Set

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



1000Volt

210 Insulated Metric Offset Ring Wrenches

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

Item No.	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.

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Insulation Test



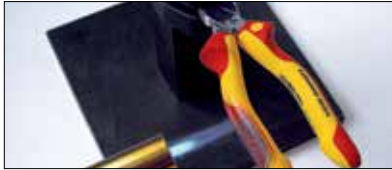
Cold Impact Test



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Puncture Test



Flame Resistance Test



Adhesion Test



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