

PROFESSIONAL INSULATED TOOLS



Supporting Arc Flash Protection



According to Standard: **NR-10**



Arc Flash Protection:

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

ARC FLASH

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

WHY ARC FLASHES HAPPEN

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

ARC FLASH COMPLIANCE

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

1. OSHA Standards 29CFR, Part 1910. Occupational Safety and Health Standards. 1910 sub part S (electrical) Standard number 1910.333 specifically addresses Standards for Work Practices and references NFPA 70E. OSHA 29CFR 1910.335 (a) (1)(i) requires the use of protective equipment when working where a potential electrical hazard exists and 29CFR 1910.132(d)(1) which requires the employer assess the workplace for hazards and the need for personal protective equipment. OSHA compliance is required by any plant building or facility.
2. The National Fire Protection Association (NFPA) Standard 70 - 2002 "The National Electrical Code" (NEC) contains requirements for warning labels.
3. NFPA 70E provides guidance on implementing appropriate work practices that are required to safeguard workers from injury while working on or near exposed electrical conductors or circuit parts that could become energized. Part II 2-1.3.3 regarding Arc Flash Analysis states that a "Flash Hazard Analysis shall be done before a person approaches any exposed electrical conductor or circuit part that has not been placed in an electrical safe work condition". This Arc Flash Hazard Analysis must be done to determine the level of Personal Protection Equipment PPE that a worker must use, and the Arc Flash Boundary in inches along with the incident energy found at each location. Each panel must be marked with an ANSI z535 approved Arc Flash Warning Label.
4. The Institute of Electronics and Electrical Engineers (IEEE) 1584 - 2002 Guide to Performing Arc-Flash Hazard Calculations

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OSHA

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

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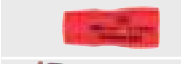



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



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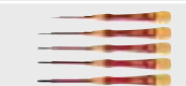
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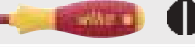
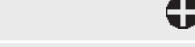





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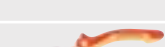


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Wiha Insulated 1000Volt Pliers/Cutters

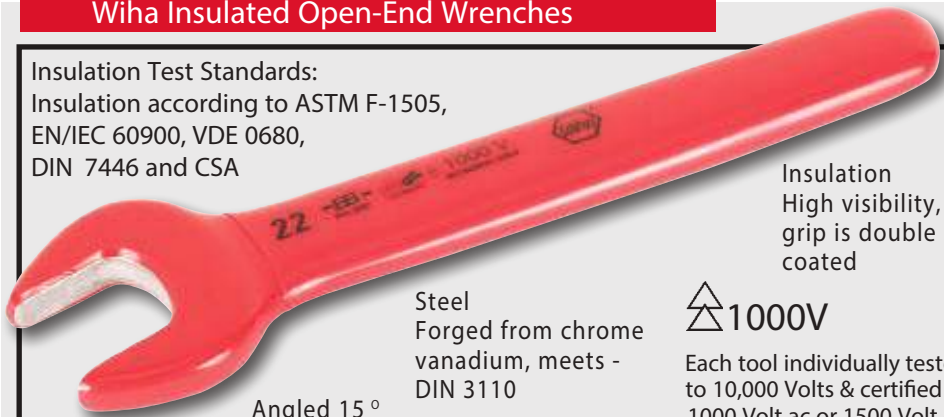
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Wiha Insulated Open-End Wrenches

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



Insulation
High visibility,
grip is double
coated

Steel
Forged from chrome
vanadium, meets -
DIN 3110

1000V

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

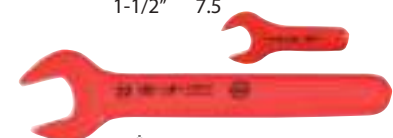
Angled 15°



1000Volt

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

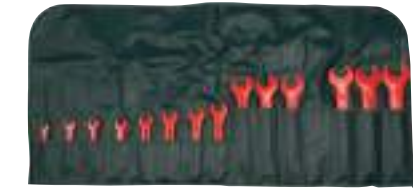
Item No.	Inch	OAL Inch	OAL mm	lbs.	pkg.
20131					1
20133	3/4	87.5	.04		1
20135	5/16	3.9	100	.05	1
20136	3/8	4.1	105	.09	1
20137	7/16	4.6	117	.09	1
20138	1/2	5.5	140	.15	1
20140	9/16	5.7	146	.15	1
20141	5/8	6.2	158	.20	1
20142	11/16	6.5	165	.23	1
20144	3/4	7.0	178	.33	1
20145	13/16	7.5	191	.42	1
20146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



1000Volt

200 Metric Open-End Wrenches,
With Insulated Handle

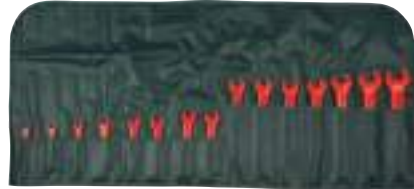
Item No.	mm	OAL mm	OAL Inch	lbs.	pkg.
20006	6.0	97	3.8	.04	1
20007	7.0	98	3.9	.05	1
20008	8.0	104	4.1	.07	1
20009	9.0	108	4.3	.07	1
20010	10.0	107	4.2	.08	1
20011	11.0	118	4.6	.11	1
20012	12.0	129	5.1	.11	1
20013	13.0	137	5.4	.19	1
20014	14.0	150	5.9	.19	1
20015	15.0	151	5.9	.17	1
20016	16.0	164	6.5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



1000Volt

20190 14 Piece Insulated Inch Open
End Wrench Set

Item No.	Inch	OAL Inch	Inch	OAL 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	mm	OAL 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.	Inch	OAL Inch	Inch	OAL 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	mm	OAL 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				
Item No.	Ø	OAL	Ø	OAL	Weight	
	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				
Item No.	Ø	OAL	Ø	OAL	Weight	
	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



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



 1000Volt

212		Metric Insulated Ratchet Wrenches, With Insulated Handle				
Item No.	Ø	OAL	Ø	OAL	Weight	
	mm	mm	Inch	Inch	lbs.	
21208	8.0	125	4.9	.08	1	
21210	9.0	188	7.4	.13	1	
21211	10.0	140	5.5	.12	1	
21212	11.0	210	8.25	.21	1	
21213	12.0	150	5.9	.18	1	
21214	13.0	152	6.0	.18	1	
21215	14.0	163	6.4	.22	1	
21216	15.0	260	10.25	.37	1	
21217	16.0	260	10.25	.42	1	
21218	17.0	193	7.6	.38	1	
21219	18.0	260	10.25	.49	1	



 1000Volt

21391		6 Piece Inch Insulated Ratchet Wrenches Set				
Item No.	Ø	OAL	Ø	OAL	Weight	
	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		



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21290		7 Piece Metric Insulated Ratchet Wrenches Set				
Item No.	Ø	OAL	Ø	OAL	Weight	
	mm	mm	mm	mm	lbs.	
21290	8.0	4.9	14.0	6.4	2.10	
	10.0	5.5	17.0	7.6		
	12.0	5.9	19.0	8.3		
	13.0	6.0				

Wiha Insulated Deep Offset Ring Wrenches

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



Steel Forged from
chrome vanadium,
meets - DIN 3110

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

1000V



1000Volt



1000Volt



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21096	8 Piece Inch Insulated Offset Ring Wrenches Set	
Item No.	Inch:	lbs.
21096	5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4"	3.20

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

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



1000Volt



1000Volt

21095	8 Piece Metric Insulated Offset Ring Wrenches Set	
Item No.	Metric :	lbs.
21095	10.0, 11.0, 12.0, 13.0, 14.0, 15.0, 17.0, 19.0mm	3.20

21093	16 Piece Metric Insulated Offset Ring Wrenches Set	
Item No.	Metric :	lbs.
21093	8.0, 9.0, 10.0, 11.0, 12.0, 13.0, 14.0, 15.0, 17.0, 19.0, 20.0, 22.0, 24.0, 27.0, 30.0, 32.0mm	8.70



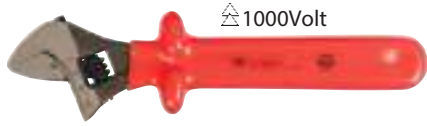
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210	Insulated Metric Offset Ring Wrenches	Insulation According to EN/IEC 60900, ISO 3110 Specification, Up To 1000 Volt. Individually Tested.	Blade Chrome-Vanadium steel, hardened.		
Item No.	mm	OAL mm	OAL Inch	lbs.	pkg.
21008	8.0	159	6.3	.16	1
21009	9.0	159	6.3	.18	1
21010	10.0	171	6.8	.20	1
21011	11.0	178	7.0	.22	1
21012	12.0	191	7.5	.30	1
21013	13.0	194	7.6	.30	1
21014	14.0	203	8.0	.34	1
21015	15.0	203	8.0	.34	1
21017	17.0	219	8.6	.44	1
21019	19.0	241	9.5	.52	1
21020	20.0	250	9.8	.58	1
21022	22.0	257	10.1	.64	1
21024	24.0	279	11.0	.90	1
21027	27.0	286	11.3	.96	1
21030	30.0	311	12.3	1.28	1
21032	32.0	318	12.5	1.38	1

Use & Care Guide For Insulated Tools:

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

Wiha Insulated Adjustable Wrenches



1000Volt

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

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

1000Volt

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

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

1000Volt

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

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

1000Volt

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

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



1000Volt

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

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

Wiha Insulated Electrician's Knives

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

Insulation molded on for permanent bonding



1000V

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



1000Volt

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

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



1000Volt

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

Item No.	Blade mm	OAL mm	OAL Inch	lbs.	pkg.
15050	35	222	8.75	.22	1



1000Volt

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

Item No.	Blade mm	OAL mm	OAL Inch	lbs.	pkg.
15003	50	230	9.0	.23	1

NOTES:

WARNING!

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

Wiha Insulated Hex L-keys



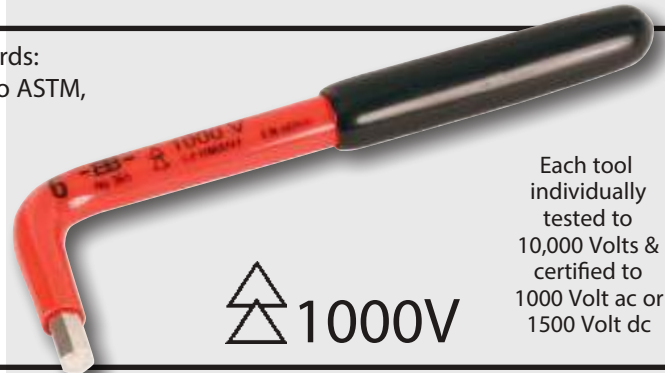
1000Volt

136 1/2 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.	Inch	mm	Inch	Inch	lbs.	pkg.
13670						1
13671	1/16	79	3.1	.375	.05	1
13672	5/64	84	3.3	.50	.05	1
13673	3/32	89	3.5	.625	.05	1
13663	7/64	94	3.7	.625	.06	1
13665	1/8	104	4.1	1.0	.06	1
13666	5/32	104	4.1	1.0	.06	1
13667	3/16	134	5.3	1.25	.10	1
13668	7/32	134	5.3	1.5	.12	1
13669	1/4	134	5.3	1.5	.16	1
13662	5/16	144	5.7	1.5	.24	1
13664	3/8	234	9.2	1.63	.51	1

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

Insulation Applied directly onto blade for permanent bonding



1000V

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

1000Volt

13690 8 Piece Insulated Inch Hex L-key Set

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

1000Volt

13694 12 Pc. Insulated Inch Hex L-key Set

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



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.	mm	mm	Inch	mm	lbs.	pkg.
13650	1.5	100	3.9	20	.09	1
13651	2.0	105	4.1	20	.09	1
13652	2.5	115	4.5	20	.09	1
13653	3.0	130	5.1	25	.10	1
13654	4.0	120	4.7	40	.10	1
13655	5.0	140	5.5	45	.10	1
13656	6.0	140	5.5	45	.13	1
13658	8.0	150	5.9	50	.24	1
13659	10.0	220	8.7	50	.51	1
13657	12.0	260	10.2	60	.77	1



1000Volt

13691 7 Piece Insulated Metric Hex L-key Set

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

1000Volt

13693 10 Piece Insulated Metric Hex L-key Set

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

Wiha Insulated Hex Bit Sockets



1000Volt

318 Insulated 3/8" Drive Sockets

Chrome-vanadium steel, forged, oil-hardened.

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

*Sockets must be used with insulated ratchets & extensions



1000Volt

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

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

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



1000Volt

318 Insulated 1/2" Drive Sockets

Chrome-vanadium steel, forged, oil-hardened.

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

*Sockets must be used with insulated ratchets & extensions

Wiha Insulated Socket Adapters / Reducers



1000Volt

#31350 #31450 #31460 #31650

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

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

Wiha Insulated 1/4" Sockets, Accessories & Sets

Metric - 6 Point



1000Volt

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

F-1505, DIN 7448 & CSA Specification, Up To 1000 Volt. Individually Tested.

Chrome-vanadium steel, forged, oil-hardened.

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

*Sockets must be used with insulated ratchets & extensions

Metric - 6 Point



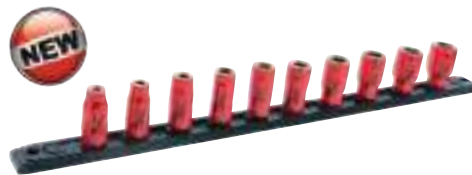
1000Volt

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

Chrome-vanadium steel, forged, oil-hardened.

Item No.	mm	lbs.	pkg.
31326	5.0	.03	1
31327	6.0	.03	1
31328	7.0	.03	1
31329	8.0	.04	1
31330	9.0	.04	1
31331	10.0	.05	1
31332	11.0	.05	1
31333	12.0	.06	1
31334	13.0	.06	1
31335	14.0	.07	1

*Sockets must be used with insulated ratchets & extensions



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

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

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




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


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

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

Wiha Insulated 1/4" Sets & Accessories



 1000Volt

31394	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



 1000Volt



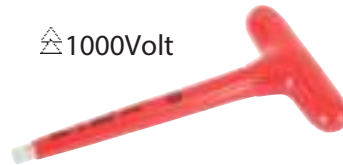
31390	13 Pc. Insulated 1/4" Drive Socket Set - Inch CV steel, forged, oil-hardened sockets. Insulated after EN/IEC 60900.
Item No.	Set includes the following:
31390	3/16, 7/32, 1/4, 9/32, 5/16, 11/32,  3/8, 7/16, 1/2, 9/16"
lbs. 1.39	1/4" x 50mm Extension Bar 1/4" x 100mm Extension Bar






 1000Volt

12851	Insulated 1/4" Drive Ratchet, EN/IEC 60900 & CSA Chrome-Vanadium steel. Thumb lever for rapid reverse.
Item No.	OAL OAL  
12851	Inch mm Inch lbs. pkg. 1/4" 140 5.5 .28 1



 1000Volt



29006	Insulated 1/4" Drive T-handle, With Insulated Handle. Insulation according to EN/IEC 60900 & CSA specification, up to 1000 Volt. Individually Tested. Blade CV steel, hardened.
Item No.	 OAL OAL  
29006	Inch mm Inch lbs. pkg. 1/4 160 6.2" .57 1




 1000Volt

128	Insulated 1/4" Extension Bars, ASTM F-1505, EN/IEC 60900 & CSA Chrome-Vanadium steel.
Item No.	OAL OAL  
12854	Inch mm Inch lbs. pkg. 1/4" 50 2.0 .08 1
12855	Inch mm Inch lbs. pkg. 1/4" 100 3.9 .12 1


 1000Volt





31391	13 Pc. Insulated 1/4" Drive Socket Set - Metric CV steel, forged, oil-hardened sockets. Insulated after EN/IEC 60900.
Item No.	Set includes the following:
31391	5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm  1/4" x 50mm Extension Bar
lbs. 1.41	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.	 
31425	Inch lbs. pkg. 1/4 .07 1
31428	9/32 .07 1
31429	5/16 .07 1
31430	11/32 .07 1
31431	3/8 .08 1
31432	7/16 .08 1
31433	1/2 .10 1
31434	9/16 .10 1
31435	5/8 .10 1
31436	11/16 .13 1
31437	3/4 .14 1
31438	13/16 .17 1
31439	7/8 .18 1

*Sockets must be used with insulated ratchets & extensions



 1000Volt

315	Insulated 3/8" Drive Sockets- Metric Insulation according to VDE, EN/IEC 60900, DIN 7448 & CSA specification, up to 1000 Volt. Individually Tested. Chrome-vanadium steel, forged, oil-hardened.
Item No.	 
31506	mm lbs. pkg. 6.0 .07 1
31507	7.0 .07 1
31508	8.0 .07 1
31509	9.0 .07 1
31510	10.0 .07 1
31511	11.0 .08 1
31512	12.0 .10 1
31513	13.0 .10 1
31514	14.0 .10 1
31515	15.0 .10 1
31516	16.0 .10 1
31517	17.0 .11 1
31518	18.0 .12 1
31519	19.0 .14 1
31520	20.0 .15 1
31521	21.0 .17 1
31522	22.0 .18 1
31524	24.0 .26 1

*Sockets must be used with insulated ratchets & extensions

Wiha Insulated 3/8" Sockets & Sets



⚡ 1000Volt

31493	10 Pc. Insulated 3/8" Drive Socket Set - Inch CV steel, forged, oil-hardened sockets. Insulated to EN/IEC 60900.
Item No.	Set includes the following:
31493	5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4"
lbs. 2.50	3/8" x 125mm Extension Bar 3/8" Ratchet - 190mm



⚡ 1000Volt

31590	10 Pc. Insulated 3/8" Drive Socket Set - Metric CV steel, forged, oil-hardened sockets. Insulated to EN/IEC 60900.
Item No.	Set includes the following:
31590	8, 10, 11, 12, 13, 14, 17, 19mm
lbs. 2.50	3/8" x 125mm Extension Bar 3/8" Ratchet - 190mm



⚡ 1000Volt

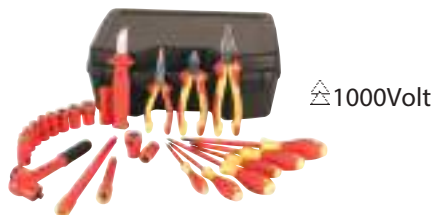
31491	16 Piece Insulated 3/8" Drive Socket Set - Inch/ Metric CV steel, forged, oil-hardened sockets. Insulated to EN/IEC 60900.
Item No.	Set includes the following:
31491	5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4"
lbs. 2.01	8, 10, 11, 12, 13, 14, 17, 19mm



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

*Sockets must be used with insulated ratchets & extensions



⚡ 1000Volt

31592	24 Pc. Insulated 3/8" Drive Socket Set - Metric CV steel, forged, oil-hardened sockets. Insulated to EN/IEC 60900.
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 3/8" x 250mm Extension Bar 3/8" Ratchet - 190mm Insulated Electrician's Knife - 50mm Slotted: 3.5, 4.5, 6.5mm Phillips: #1, 2, 3 6.3" Long Nose Pliers 8.0" Combo Pliers 6.3" Diagonal Cutters

*Sockets must be used with insulated ratchets & extensions



⚡ 1000Volt

12852	Insulated 3/8" Drive Ratchet, EN/IEC 60900 CV steel. Socket release button. Thumb lever for rapid reverse.
Item No.	OAL OAL
No.	Inch mm Inch lbs. pkg.
12852	3/8" 190 7.5 .93 1



⚡ 1000Volt

31496	10 Pc. Insulated 3/8" T-handle & Socket Set - Inch CV steel, forged, oil-hardened sockets. Insulated after EN/IEC 60900.
Item No.	Set includes the following:
31496	5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4"
lbs. 2.47	3/8" x 125mm Extension Bar Insulated 3/8" T-handle

31595	10 Pc. Insulated 3/8" T-handle & Socket Set - MM CV steel, forged, oil-hardened sockets. Insulated after EN/IEC 60900.
Item No.	Set includes the following:
31595	8, 10, 11, 12, 13, 14, 17, 19mm
lbs. 2.47	3/8" x 125mm Extension Bar Ins. 3/8" T-handle

Wiha Insulated 3/8" Socket Accessories



⚡ 1000Volt

128	Insulated 3/8" Extension Bars, EN/IEC 60900 Chrome-Vanadium steel.
Item No.	OAL OAL
No.	Inch mm Inch lbs. pkg.
12856	3/8" 125 4.9 .41 1
12857	3/8" 250 9.8 .57 1



⚡ 1000Volt

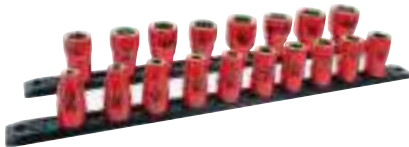
1000Volt	Insulated 3/8" Drive T-handle Or Breaker Bar. Insulation according to EN/IEC 60900 specification, up to 1000Volt Rated. Individually Tested. Blade chrome-vanadium steel, hardened.
Item No.	OAL OAL
No.	Inch mm Inch lbs. pkg.
29009	3/8 200 7.9" .55 1
12327	3/8 216 8.5" .68 1

Wiha Insulated 3/8" Socket Sets On Rails



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

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




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, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 30, 32mm
lbs. 6.28	

Wiha Insulated 1/2" Sockets & Sets

Individually Tested

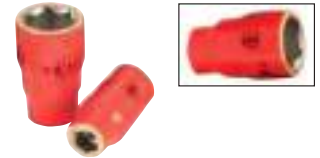



 1000Volt

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

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

*Sockets must be used with insulated ratchets & extensions



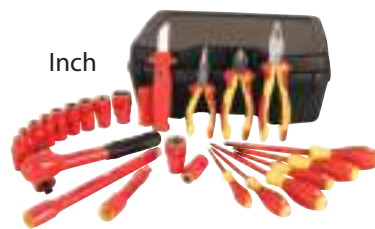
 1000Volt

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

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

*Sockets must be used with insulated ratchets & extensions

Inch



 1000Volt

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

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

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
lbs.	1/2" x 125mm Extension Bar
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

Wiha Insulated 1/2" Socket Sets

1000Volt



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

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



1000Volt

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

Item No.	Set includes the following:
31694	8, 9, 10, 11, 12, 13, 14, 17, 19, 22, 24mm
	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.

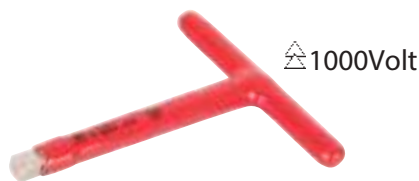
Item No.	OAL	OAL			
No.	Inch	mm	Inch	lbs.	pkg.
12853	1/2"	260	10.2	1.55	1



1000Volt

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

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



1000Volt

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

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



1000Volt

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

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

Insulated Cable Cutters



1000Volt

For cutting solid aluminum & copper conductors

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

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

For cutting multi strand aluminum & copper cables



1000Volt

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

Item No.	OAL	OAL	Capacity		
No.	mm	Inch	mm	Inch	lbs. pkg.
40800	800	31.5	50	2"	8.0 1

For cutting solid aluminum, copper & medium hard wires



1000Volt

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

Item No.	OAL	OAL	Capacity		
No.	mm	Inch	mm	lbs.	pkg.
29250	250	10	7/8"	1.1	1

Wiha Insulated Ratcheting Cable Cutters

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



 1000Volt

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

Item No.	OAL mm	OAL Inch	up to MCM	Inch Dia.	Inch Cap.	lbs.
11960	250	10.0"	500	1.25"	32ml	1.6
11975	280	11.0"	750	2.0"	52ml	2.0



 1000Volt

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

Item No.	OAL mm	OAL Inch	up to MCM	Inch Dia.	Inch Cap.	lbs.
11980	353	13.9	477	1.25"	32ml	3.42

Wiha Insulated Hacksaw



Uses standard 12" blade

 1000Volt

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

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

Wiha Insulated Serrated Tweezers

Meets EN/IEC Insulation Standards

Slip guards at tips for user safety

Two layer high contrast insulated coatings

10,000 Volt tested 1000Volt rated



Carbon steel with chrome nickel plated

 1000V

 1000Volt

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

Item No.	OAL mm	OAL Inch	lbs.	pkg.
75205	130	5.0	.06	1

 1000Volt


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

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

 1000Volt


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

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

 1000Volt

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

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

 1000Volt

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

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

 1000Volt

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

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

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.
	lbs. SlimLine Blade Holder
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/P z: #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.	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.	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.	30192 Metric 3/8" Drive Sockets: 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 No.	Slotted: 4.0, 6.5mm
28789	Phillips: #1, 2
	Square: #1, 2
	Terminal Xeno Sl/P z: #1, 2
1.32	Torque Handle Range 10-50 In/lbs.
	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 No.	Slotted: 2.5, 3.5, 4.0, 6.5mm
28781	Phillips : #1, 2 (qty. 2 of #2)
	Terminal Xeno Sl/Ph: #1, 2
	TORX : T10, T15, T20, T25
1.61	Square: #1, 2
	Handle Range 10-50 In/lbs.
	SlimLine SoftFinish™ Blade Handle
	PicoFinish™ SlimLine Handle
	SlimLine Blade Holder 6.75" OAL

Includes Certificate



⚡1000Volt

*Requires SlimLine blade holder #28350

287 Insulated TorqueVario-S, With Window Scale Insulation up to 1000Volt. EN/IEC 60900 EN ISO 6789, BS EN 26789, ASME B107.14M &CSA, +/- 6% Accuracy. Ergonomic multi-component handle, light & compact. Handle sizes proportioned to optimize torque range. Audible & perceptible click when torque setting has been attained.

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

287 Insulated TorqueVario-S Handle - In Newton Meter Scale

Item No.	Range	Nm	mm	lbs.	pkg.
28734	0.5 - 2.0	131	.45	1	
28736	0.8 - 5.0	138	.45	1	
28738	2.0 - 7.0	142	.72	1	

Each TorqueVario handle has unique serial number & certificate of calibration



⚡1000Volt

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

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



⚡1000Volt

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

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



* Includes Certificate
* Includes SlimLine blade holder #28350
* Requires SlimLine Blades



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

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

287 Insulated TorqueVario-S Handle - In Newton Meter Scale

Item No.	Range	Nm	mm	lbs.	pkg.
28740	0.5 - 2.0	131	.64	1	
28741	0.8 - 5.0	138	.56	1	
28742	2.0 - 7.0	142	.84	1	

Each TorqueVario handle has unique serial number & certificate of calibration

Wiha Insulated Easy TorqueControl Adapters

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

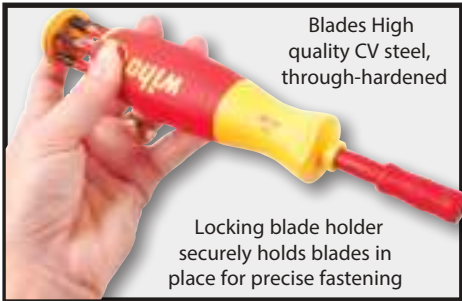


⚡1000Volt

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

Item No.	Nm	In/lbs	OAL	OAL	Inch	lbs.	pkg.
28366	0.8	7.0	60	2.38	.13	1	
28367	2.0	17.7	60	2.38	.13	1	
28368	2.5	23.1	60	2.38	.13	1	
28369	2.8	24.7	60	2.38	.13	1	
28371	4.0	35.4	60	2.38	.13	1	

Wiha Insulated Pop-Up SlimLine Sets



Blades High quality CV steel, through-hardened

Locking blade holder securely holds blades in place for precise fastening

1000Volt Rated
10,000 Volt Tested

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



28393 Insulated Pop-Up "Apprentice" Blade Holder Set With SlimLineBlades Insulated cushion grip multi-component handle. Locking bit holder holds SlimLineBlades 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 SlimLineBlades

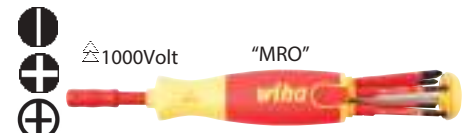
28394 Set includes the following blades:

Slotted: 3.0, 4.0mm

Phillips: #1, #2

Square: #1, #2

lbs. .38



28395 Insulated Pop-Up "MRO" Blade Holder Set With SlimLineBlades

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
32490	Insulated SlimLine Blades Include:		
	SlimLine Slotted:	3.5, 5.5mm	
	SlimLine Phillips:	#1, #2	
	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

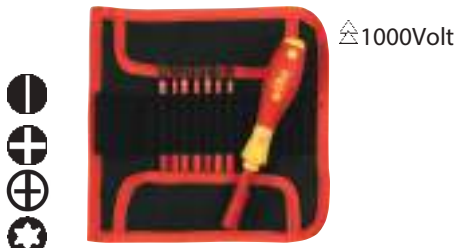
Add more torque to your speedE with Easy TorqueControl adapters



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

Item No.	Nm	In/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

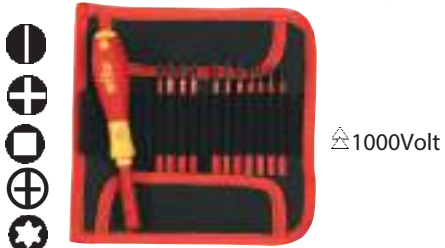


1000Volt



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.

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



1000Volt



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

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

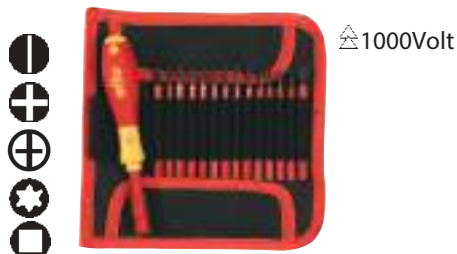


1000Volt



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



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 - SlimLineBlade Holder



1000Volt

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

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
	SlimLineStubby 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	OAL	OAL			
28303	Inch	mm	Inch	lbs.	pkg.



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



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

Wiha Cushion Grip SlimLine Blade Holder



1000Volt

28301	SlimLine Blade Holder, With Wiha-SoftFinish® Handle Insulation According to VDE, ASTM F-1505 and EN/IEC 60900, NFPA70E & CSA, up to 1000 Volt. CV steel, through-hardened. Insulation molded directly onto blade. Blade holder, holds blades securely. Wiha-SoftFinish® handle, multi-component, cushion grip.				
Item					
No.	Size	mm	Inch	mm	Inch lbs.
28301	1/4"	50	2.0	160	6.3 .15



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



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					
28302	Size	mm	Inch	lbs.	pkg.

Wiha SlimLine Adapters



28316	Insulated SlimLine Blade Extension For SlimLine Blade Holders				
Item	OAL	OAL			
No.	Inch	mm	Inch	lbs.	pkg.
28316	1/4	70	2.8	.06	1



28311	Insulated SlimLine 1/4" Socket Adapter For SlimLine Blade Holders				
Item	OAL	OAL			
No.	Inch	mm	Inch	lbs.	pkg.
28311	1/4	60	2.4	.08	1

Wiha Insulated SlimLine Blades

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

Integrated Slim
Insulation molded
directly onto blade

Insulation does
not exceed screw
head diameter

High quality CV steel,
through-hardened

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

1000 Volt Rated
10,000 Volt Tested



283 Insulated Slotted SlimLine
Blades SlimLine blades have up to 33% narrower insulation diameter than standard

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

283 Insulated Phillips SlimLine
Blades SlimLine blades have up to 33% narrower insulation diameter than standard

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



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
lbs.	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	Pkg.
28330	1	4.0	3.8	33.7	.02	1
28331	2	6.0	5.5	48.8	.02	1

283 Insulated Xeno Slotted/Pozidriv SlimLine Blades
Up to 33% narrower

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

283 Insulated Xeno Slotted/Phillips SlimLine Blades
Up to 33% narrower insulation diameter than standard insulated

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

283 Insulated Square SlimLine
Blades
Up to 33% narrower insulation diameter than

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

283 Insulated TORX SlimLine
Blades
Up to 33% narrower insulation diameter than

Item No.	Size	Slim Dia.	Max Dia.	Inch/ lbs.	Weight	Pkg.
28325	T6	4.0	.6	5.31	.02	1
28326	T7	4.0	.9	7.9	.02	1
28339	T8	4.0	1.3	11.5	.02	1
28344	T9	4.0	1.3	11.5	.02	1
28340	T10	4.0	3.8	33.6	.02	1
28341	T15	6.0	5.5	48.7	.02	1
28342	T20	6.0	5.5	48.7	.02	1
28343	T25	6.0	5.5	48.7	.02	1

283 Insulated Hex Metric SlimLine Blades
Up to 33% narrower insulation diameter than standard insulated

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

28372 7 Piece SlimLine Blade Set
High quality CV steel, through hardened, black finish.

Item No.	Slotted: 2.5, 3.5, 5.5mm	Weight
28372	Phillips: #1, #2	lbs.
	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.
	Xeno Sl/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

Integrated Slim Insulation molded directly onto blade

Ideal for jobs where access is limited



1000 Volt Rated
10,000 Volt Tested



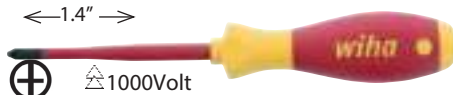
Wiha Slim TECHNOLOGY Achieves blade diameters up to 33% narrower utilizing integrated insulation



1000Volt

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

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



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



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

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



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

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



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	Slim Dia. mm	mm	lbs.	Pkg.
32145	1	4.5	80	204	.12 1
32146	2	6.0	100	211	.21 1

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

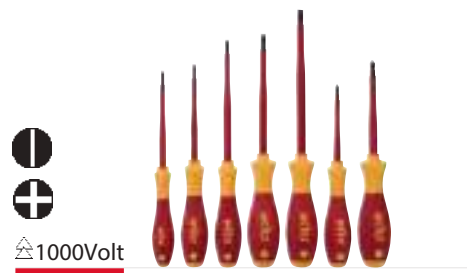


32197 8 Piece Insulated SlimLine

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



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

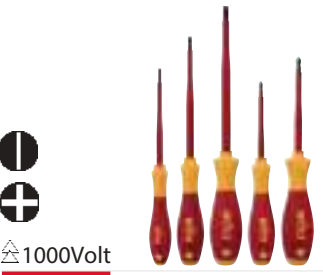
lbs. 1.41

Wiha Insulated SlimLine Screwdriver Sets



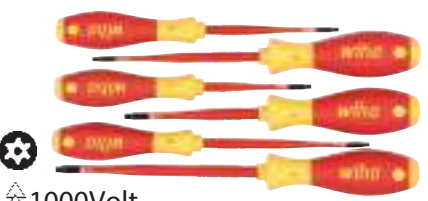
1000Volt
32196 6 Piece Insulated SlimLine
 Slotted, Phillips & Square Screwdrivers. Insulation According to ASTM F-1505, New VDE Specification 0682/part 201 and EN/IEC 60900, NFPA70E & CSA, up to 1000 Volt. Individually Tested to 10,000Volts.

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



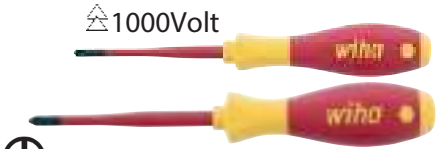
1000Volt
32194 5 Piece Insulated SlimLine
 Slotted & Phillips Screwdrivers. Insulation According to ASTM F-1505, New VDE Specification 0682/part 201 and EN/IEC 60900, NFPA70E & CSA, up to 1000 Volt. Individually Tested to 10,000Volts.

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



1000Volt
32596 6 Pc. Insulated SlimLine Security 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: T10s, T15s, T20s, T25s, T27s, T30s	lbs. 1.18
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1000Volt
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. SlimLineblades have up to 33% narrower insulation diameter then standard insulated tool.

30770 No.	Slotted: Xeno: #1x80mm
	Phillips: 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. SlimLineblades have up to 33% narrower insulation diameter then standard insulated tools.

32189 No.	Slotted: 4.5x125mm
	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:
32079	Slotted: 3.5, 4.5, 5.5mm
	Phillips: #1, #2

Insulated PicoFinish Precision Screwdrivers



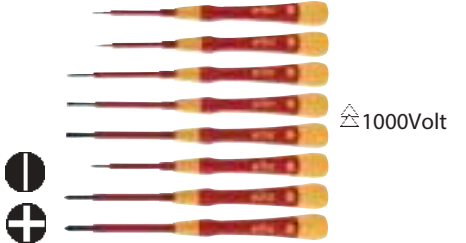
1000Volt
320 Insulated Slotted PicoFinish Screwdrivers. Individually Tested Protective Insulation 1000Volt AC, VDE & GS Tested.

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



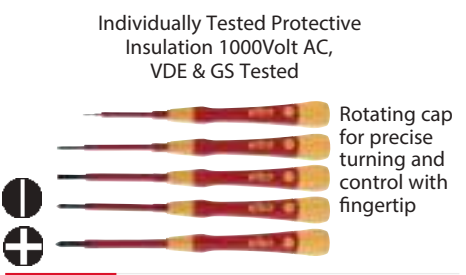
1000Volt
321 Insulated Phillips PicoFinish Screwdrivers. Individually Tested Protective Insulation 1000Volt AC, VDE & GS Tested.

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



1000Volt
32088 8 Piece Slotted & Phillips PicoFinish Set High quality CV steel, through hardened, black finish

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



1000Volt
32085 5 Piece Slotted & Phillips PicoFinish Set High quality CV steel, through hardened, black finish

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

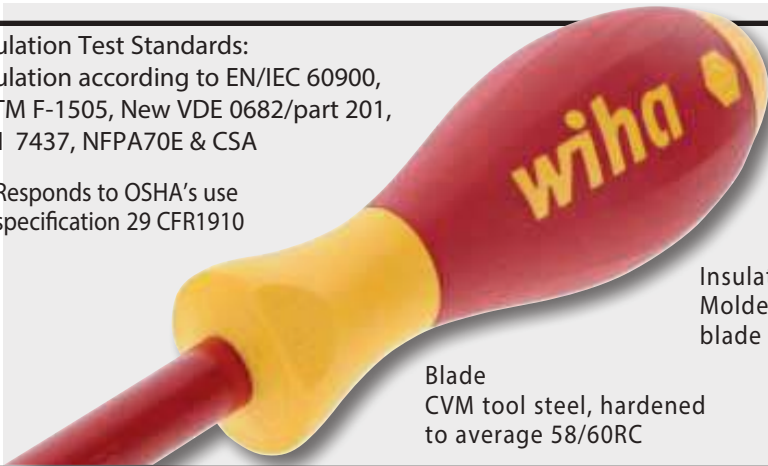
Individually Tested Protective Insulation 1000Volt AC, VDE & GS Tested

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



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

Insulation
Molded directly onto the
blade for permanent bonding

 1000V











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




 1000Volt

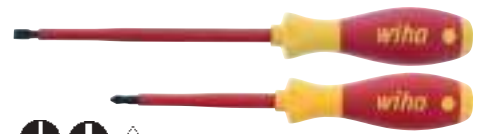
320 Slotted Screwdriver, With Wiha-SoftFinish * Handle. Insulation According to
ASTM F-1505, New VDE Specification 0682/part 201 and EN/IEC 60900, NFPA70E & CSA,
up to 1000 Volt. Individually Tested.

Item No.											lbs.	pkg.
	mm	Inch	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	
32005	2.0	.078	5/64	60	3.0	164	6.5	.05	10			
32010	2.5	.098	3/32	75	3.0	179	7.1	.06	10			
32012	3.0	.118	1/8	100	4.0	204	8.0	.07	10			
32015	3.5	.139	9/64	100	4.0	204	8.0	.07	10			
32017	4.0	.157	5/32	100	4.0	211	8.3	.12	10			
32023	4.5	.177	3/16	100	4.0	211	8.3	.12	10			
32024	4.5	.177	3/16	125	5.0	236	9.3	.12	10			
32027	4.5	.177	3/16	150	6.0	261	10.2	.14	10			
32025	4.5	.177	3/16	175	7.0	286	11.2	.13	10			
32028	4.5	.177	3/16	200	8.0	311	12.3	.15	10			
32031	5.5	.216	7/32	125	5.0	243	9.5	.15	10			
32026	5.5	.216	7/32	175	7.0	293	11.5	.21	10			
32034	6.0	.236	15/64	150	6.0	268	10.6	.21	10			
32039	6.5	.255	1/4	150	6.0	268	10.6	.21	10			
32042	8.0	.315	5/16	175	7.0	299	11.8	.34	10			
32045	10.0	.393	3/8	200	8.0	318	12.5	.39	10			



 1000Volt

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










 1000Volt

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







 1000Volt

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

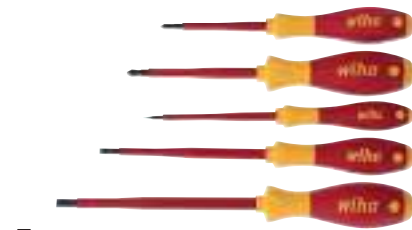
Item No.								lbs.	pkg.
	Size	mm	Inch	mm	Inch	mm	Inch		
32100	0	60	2.4	164	6.5	.06	10		
32101	1	80	3.0	191	7.5	.12	10		
32102	2	100	4.0	218	8.6	.20	10		
32103	3	150	6.0	268	10.6	.34	10		
32104	4	200	8.0	318	12.5	.39	10		



 1000Volt

32090 4 Piece Slotted & Phillips Set
Item No.  Slotted: 3.5, 4.5
32090  Phillips: #1, 2
 lbs. .76

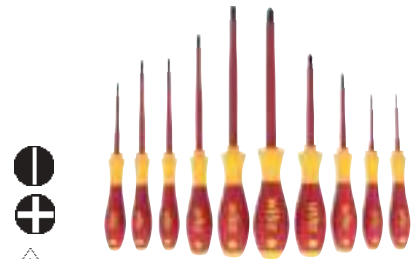
Wiha Insulated Screwdrivers with SoftFinish Cushion Grip Handle



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



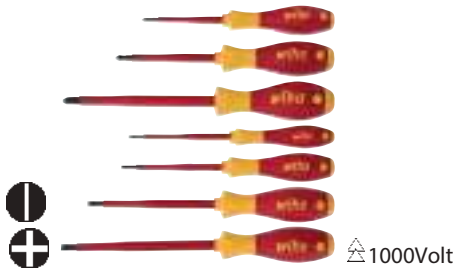
32092 6 Piece Slotted & Phillips Set
 Item Slotted: 3.5, 4.5, 6.5
 No. Phillips: #1, 2, 3
 32092 lbs. 1.63



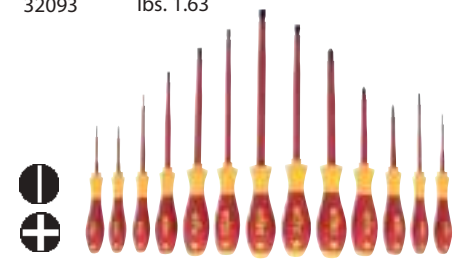
32093 10 Piece Slotted & Phillips Set
 Item No. Slotted: 2.0, 2.5, 3.0, 3.5, 4.5, 6.5
 Phillips: #0, 1, 2, 3
 32093 lbs. 1.63



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



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

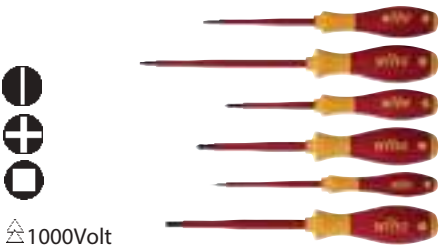


32094 13 Piece Slotted & Phillips Set
 Item No. Slotted: 2.0, 2.5, 3.0, 3.5, 4.5, 5.5, 6.5, 8.0, 10.0mm
 Phillips: #0, 1, 2, 3
 32094 lbs. 2.3

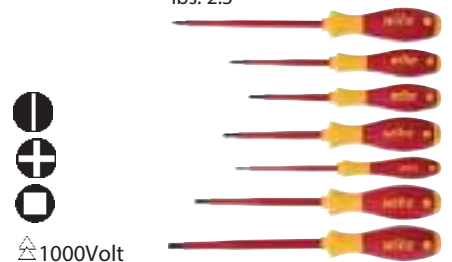
Wiha Insulated Square Tip Screwdrivers



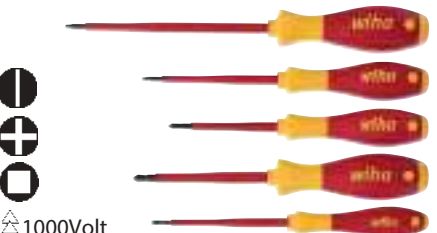
358 Square Tip Screwdriver, With Wiha-SoftFinish Cushion Grip Handle Insulation According to ASTM, VDE, EN/IEC, NFPA70E and CSA, up to 1000 Volt. Individually Tested. Blade high alloy CVM steel, hardened, black finish.
 Item
 No. Size mm Inch mm Inch lbs. pkg.
 35811 1 100 4.0 210 8.2 .12 10
 35812 2 150 6.0 268 10.5 .19 10



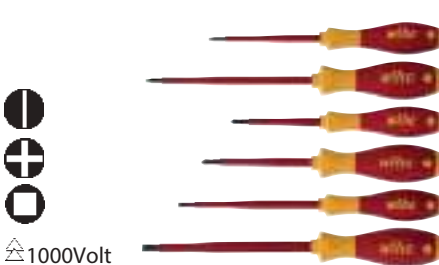
35891 6 P.C. Insulated Slotted, Phillips and Square Screwdrivers
 Item No. Slotted: 3.0, 5.5mm
 35891 Phillips: #1, 2 lbs.
 Square: #1, 2 .83



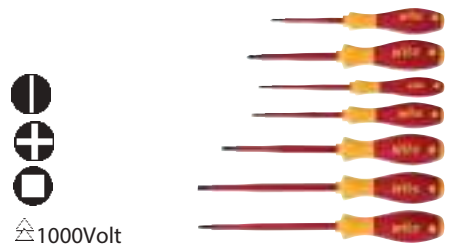
32097 7 Piece Slotted, Phillips & Square Set In Clamshell
 Item Slotted: 3.5, 5.5, 6.5mm
 No. Phillips: #1, 2
 Square: #1, 2
 32097 lbs. 1.60



32083 5 Piece Slotted, Phillips & Square Set
 Item Slotted: 3.5mm
 No. Phillips: #1, 2
 32083 Square: #1, 2
 lbs. 1.31



35890 6 P.C. Insulated Slotted, Phillips and Square Screwdrivers
 Item No. Slotted: 4.5, 6.5mm
 35890 Phillips: #1, 2 lbs.
 Square: #1, 2 .83



32096 7 Piece Slotted, Phillips & Square Set In Clamshell
 Item Slotted: 3.5, 4.0, 5.5, 6.5mm
 No. Phillips: #1, 2
 Square: #2
 32096 lbs. 1.60

Wiha Insulated Screwdriver Sets



Tool box set in blow molded tray



1000Volt

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



1000Volt

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

1000Volt



32192	14 Piece Slot/Phil/Inch Nut Drivers & Pliers/Cutters Set
Item No.	32192
	Slotted: 3.0, 4.5, 6.5mm
	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.	32190
	Slotted: 2.0, 2.5, 3.0, 3.5, 4.5, 6.5, 8.0mm
	Phillips: #1, 2, 3
5.9	Nut Drivers Inch: 1/4, 5/16, 3/8, 7/16, 1/2"

Cat. IV Voltage Detector - Battery Operated



1000Volt

25505	Battery Operated Voltage Detector Tests 50-1000 Volts. Category IV, CE IEC 61010-1 With audible sound and light warnings. (Requires 2 AAA batteries).
Item No.	25505
	mm 146
	Inch 5.75
	lbs. .13
	pkg. 1

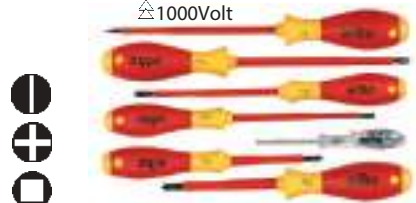
Insulated Single-Pole Voltage Detector



1000Volt

25511	Insulated Single-Pole Voltage Detector. 110-250Volts. Insulation According To DIN 57860/6 And DIN VDE 0680-6, GS Tested. Blade CVM steel, hardened, nickel-plated. Insulation molded directly onto blade. Amber LED light. 10,000Volt tested.
Item No.	25511
	mm 3.0
	mm 65
	mm 145
	Inch 5.7
	lbs. .04
	pkg. 1

1000Volt



32087	7 Pc. Slotted, Phillips, Square & Voltage Detector Set
Item No.	32087
	Slotted: 4.0, 5.5, 6.5mm
	Phillips: #1, #2
	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.	pkg.
32206	4.0	125	236	9.3	.15	10
32209	5.0	125	236	9.3	.16	10
32212	5.5	125	236	9.3	.16	10
32215	6.0	125	236	9.3	.16	10
32218	7.0	125	243	9.6	.25	10
32221	8.0	125	243	9.6	.25	10
32224	9.0	125	243	9.6	.25	10
32227	10.0	125	243	9.6	.27	10
32230	11.0	125	243	9.6	.37	10
32233	12.0	125	243	9.6	.38	10
32236	13.0	125	243	9.6	.39	10
32238	14.0	125	243	9.6	.39	10
32239	15.0	125	243	9.6	.40	10
32240	16.0	125	243	9.6	.42	10
32241	17.0	125	243	9.6	.44	10

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



32296 11 Pc. Nut Driver Set -

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



32288 9 Pc. Nut Driver Set -

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



32291 5 Pc. Nut Driver Set -

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



32293 7 Pc. Nut Driver Set -

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



32292 5 Pc. Nut Driver Set -

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



32294 7 Pc. Nut Driver Set -

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



⚡ 1000Volt

32366 6 Piece Insulated Hex

Metric Screwdriver Set

Item No.

32366 Hex Metric :
2.5, 3.0, 4.0, 5.0, 6.0, 8.0mm
lbs. 1.06

Wiha Insulated TORX® Screwdrivers

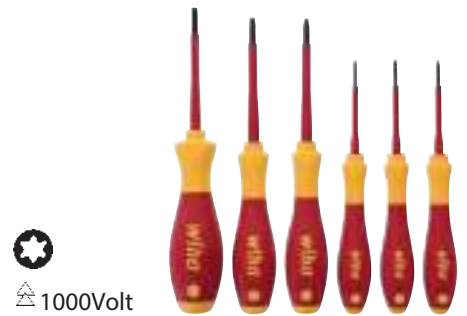


⚡ 1000Volt

325 TORX® Screwdriver, With Wiha-SoftFinish * Handle Insulation According

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

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



⚡ 1000Volt

32590 6 Piece Set TORX®

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



⚡ 1000Volt

32592 10 Piece Set TORX®

Item No.	TORX: T6, T7,	lbs.
32592	T8, T9, T10, T15,	lbs.
	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.	pkg.
32400	0	60	164	6.5	.11	10
32401	1	80	191	7.5	.13	10
32402	2	100	218	8.6	.23	10
32403	3	150	267	10.5	.30	5

Insulated Terminal Block Xeno Screwdrivers



Combination Slotted/Phillips Terminal Block Drivers

Slotted/Phillips or Slotted/Pozidriv[®]

1000Volt



Slotted/Phillips

307 Combination Terminal Block Xeno Screwdriver, With Wiha SoftFinish[®] Handle. Insulation According to ASTM F-1505, VDE, 0682/part 201, EN/IEC 60900, NFPA70E & CSA specification. Individually Tested. Blade CVM steel, hardened, black finish. Insulation molded directly onto blade. Wiha-SoftFinish[®] handle, multi-component, cushion grip. For combination Slotted/Phillips head terminal screws.

Item No.	Size	mm	mm	Inch	lbs.	pkg.
30700	1	80	191	7.5	.13	10
30701	2	100	218	8.6	.23	10

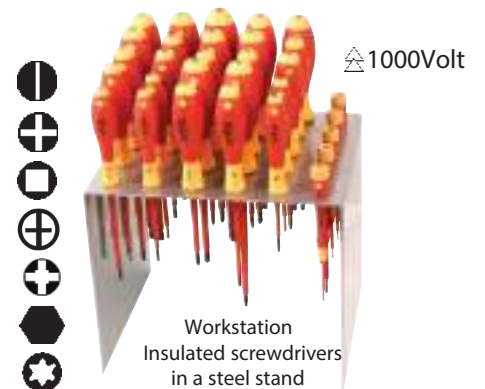


Slotted/Pozidriv[®]

307 Combination Terminal Block Xeno Screwdriver, With Wiha SoftFinish[®] Handle. Insulation According to ASTM F-1505, VDE, 0682/part 201, EN/IEC 60900, NFPA70E & CSA specification. Individually Tested. Blade CVM steel, hardened, black finish. Insulation molded directly onto blade. Wiha-SoftFinish[®] handle, multi-component, cushion grip. For combination Slotted/Pozidriv[®] head terminal screws.

Item No.	Size	mm	mm	Inch	lbs.	pkg.
30711	1	80	191	7.5	.12	10
30712	1	80	191	7.5	.21	10

Wiha Insulated Screwdrivers

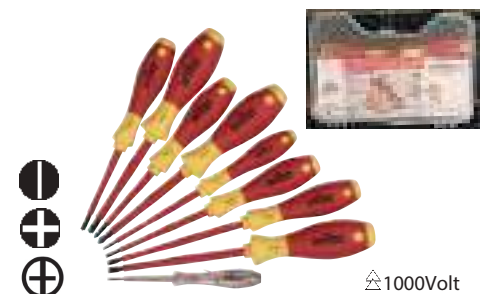


1000Volt

32199 30 Pc. Workstation Insulated Screwdriver Set

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

Insulated Drivers & Voltage Detector Sets



1000Volt

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

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

Wiha Insulated Belt Pack Pouch Sets

Insulated Belt Packs

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



Chrome Finish Pliers & Cutters

1000Volt

32886	17 Pc. Insulated Pop-Up Bit Holder & Pliers/Cutters Set
High quality CV steel, through hardened.	
Cushion grip handle with magnetic holder to securely hold bits. Pliers & Cutters additionally induction hardened. Hard chrome finish for long lasting corrosion protection. Two component insulated soft grip handle.	
Item No.	Set Includes 1/4" Insert Bits:
32886	Slotted: 4.5, 5.5, 6.0mm
	Phillips: #0, 1, 2, 3
	Square: #1, 2, 3
	TORX : T15, T20, T25
	8.0"/200mm Long Nose Pliers
lbs.	8.0"/200mm High Lev. Cutters
3.72	9.5"/245mm Lineman's Pliers

Wiha Insulated Pop-Up Insert Bit Sets

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

Blades High quality CV steel, through-hardened

Convenient rotating cap



Friction hold bit holder securely holds bits in place



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:
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 No.	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

1000Volt

32875	5 Pc. Insulated Pliers/Cutters & SlimLine Screwdrivers In Belt Pack Pouch
Tools meet EN/IEC, ASTM, VDE, NFPA70E & CSA standards. Pliers chrome finish for long lasting corrosion protection. Soft grip ergo designed handle body, safety slip guard. Insulated cushion grip drivers, multi-component. Blade CVM tool steel, hardened.	
Item No.	Insulated Pliers/Cutters
32875	9.0" / 225mm Lineman's Pliers
	8.0" / 200mm Long Nose Pliers
	Insulated SlimLine SoftFinish Screwdrivers:
	Slotted: 4.5, 6.5mm • Phillips: #2
	lbs. 2.26

1000Volt

32872	5 Piece Insulated Pliers/Cutters & Screwdrivers In Belt Pack Pouch
Tools meet EN/IEC, ASTM, VDE, NFPA70E & CSA standards. Pliers chrome finish for long lasting corrosion protection. Soft grip ergo designed handle body, safety slip guard. Insulated cushion grip drivers, multi-component. Blade CVM tool steel, hardened.	
Item No.	Insulated Pliers/Cutters
32872	6.3" / 160mm Diagonal Cutters
	8.0" / 200mm Long Nose Pliers
	Insulated SoftFinish Drivers:
	Slotted: 3.0, 4.5mm • Phillips: #2
	lbs. 1.77

Wiha Insulated Master Electrician's Tools



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



Insulation Test Standards:

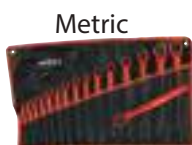
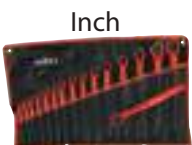
Insulation according to EN/IEC 60900, ASTM F-1505, New VDE 0682/part 201, DIN 7437, NFPA70E & CSA

32800	80-Piece Insulated Master Electrician's Tool Set In Rolling Water Tight Traveling Tool Box - 10,000Volt Tested, 1000Volt	
Item# 32800	Set Includes:	lbs. 41.5
6.3" Long Nose Pliers	6.3" Diagonal Cutters	
8.0" Long Nose Pliers	8.0" High Leverage Cutters	
6.3" Bent Nose Pliers	6.3" Cable Cutters	
6.3" Long Flat Nose Pliers	6.3" Stripping Pliers	
9.0" Combo Pliers/Crimpers	8.0" Adjustable Wrench	
Insulated Inch Sockets: 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8"	Insulated Slotted: 2.5, 3.0, 3.5, 4.0, 4.5, 5.5, 6.0, 6.5, 8.0, 10.0mm	
Insulated Metric Sockets: 13.0, 14.0, 15.0, 17.0, 19.0, 20.0, 22.0mm	Insulated Phillips: #0, 1, 2, 3	
	Insulated Xeno Slotted/Phillips	
	Terminal: #1, 2	
Insulated Ratchet 3/8" Drive	Insulated Square: #1, 2	
Insulated 4.9" Extension 3/8" Dr.	Insulated TORX: T6, T7, T8, T9, T10, T15, T20, T25, T30	
Insulated Inch Nut Drivers: 7/32, 1/4, 5/16, 3/8, 7/16"	Insulated L-key: 10mm	
Insulated Metric Nut Drivers: 5.0, 5.5, 6.0, 7.0, 8.0, 10.0, 13.0mm	Insulated L-key: 1/2"	
Insulated T-handle Inch Hex: 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	Insulated Cable Knife: 50mm	
Insulated T-handle Metric Hex: 4.0, 5.0, 6.0, 8.0mm	Insulated Folding Ruler In/ MM	
	Cat. IV Voltage Detector- 50-1000 Volt, Battery Operated	

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



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



32801	112-Piece Insulated Master Electrician's Tool Set In Rolling	
Item# 32801	Set Includes:	lbs. 59.5
6.3" Long Nose Pliers	6.3" Diagonal Cutters	
8.0" Long Nose Pliers	8.0" High Leverage Cutters	
6.3" Bent Nose Pliers	6.3" Cable Cutters	
6.3" Long Flat Nose Pliers	6.3" Stripping Pliers	
9.0" Combo Pliers/Crimpers	8.0" Adjustable Wrench	
Insulated Inch Sockets: 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8"	Insulated Slotted: 2.5, 3.0, 3.5, 4.0, 4.5, 5.5, 6.0, 6.5, 8.0, 10.0mm	
Insulated Metric Sockets: 13.0, 14.0, 15.0, 17.0, 19.0, 20.0, 22.0mm	Insulated Phillips: #0, 1, 2, 3	
	Insulated Xeno Slotted/Phillips	
	Terminal: #1, 2	
Insulated Ratchet 3/8" Drive	Insulated Square: #1, 2	
Insulated 4.9" Extension 3/8" Dr.	Insulated TORX: T6, T7, T8, T9, T10, T15, T20, T25, T30	
Insulated Inch Nut Drivers: 7/32, 1/4, 5/16, 3/8, 7/16"	Cat. IV Voltage Detector- 50-1000 Volt, Battery Operated	
Insulated Metric Nut Drivers: 5.0, 5.5, 6.0, 7.0, 8.0, 10.0, 13.0mm	Insulated Inch Deep Offset Ring Wrenches: 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/4"	
Insulated T-handle Inch Hex: 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"	Insulated Metric Deep Offset Ring Wrenches: 8.0, 9.0, 10.0, 11.0, 12.0, 13.0, 14.0, 15.0, 17.0, 19.0, 20.0, 22.0, 24.0, 27.0, 30.0, 32.0mm	
Insulated T-handle Metric Hex: 4.0, 5.0, 6.0, 8.0mm	Insulated L-key: 10mm	
Insulated L-key: 10mm	Insulated L-key: 1/2"	
Insulated Cable Knife: 50mm	Insulated Folding Ruler In/ MM	

Wiha 1000Volt Insulated Tool Sets - Comfort Grip Handles

Master Electrician's Sets



1000Volt

32877	80 Piece Insulated Master Electrician's	
Item# 32877	Set Includes:	lbs. 27.0
6.3" Long Nose Pliers	6.3" Diagonal Cutters	
6.3" Bent Nose Pliers	8.0" BiCut SuperCut	
8.0" Long Nose Pliers	8.0" Cable Cutters	
6.3" Long Flat Nose Pliers	6.3" Stripping Pliers	
9.0" Combo Pliers/Crimpers	8.0" Adjustable Wrench	
Insulated Slotted 2.0mm	Insulated Nut Driver 7/32"	
Insulated Slotted 2.5mm	Insulated Nut Driver 1/4"	
Insulated Slotted 3.0mm	Insulated Nut Driver 5/16"	
Insulated Slotted 3.5mm	Insulated Nut Driver 3/8"	
Insulated Slotted 4.0mm	Insulated Nut Driver 7/16"	
Insulated Slotted 4.5mm	Insulated Nut Driver 5.0mm	
Insulated Slotted 5.5mm	Insulated Nut Driver 5.5mm	
Insulated Slotted 6.0mm	Insulated Nut Driver 6.0mm	
Insulated Slotted 6.5mm	Insulated Nut Driver 7.0mm	
Insulated Slotted 8.0mm	Insulated Nut Driver 8.0mm	
Insulated Slotted 10.0mm	Insulated Nut Driver 10.0mm	
Insulated Phillips #0	Insulated Nut Driver 13.0mm	
Insulated Phillips #1	Insulated T-handle Hex 5/32"	
Insulated Phillips #2	Insulated T-handle Hex 3/16"	
Insulated Phillips #3	Insulated T-handle Hex 7/32"	
Insulated Slit/Ph Terminal #1	Insulated T-handle Hex 1/4"	
Insulated Slit/Ph Terminal #2	Insulated T-handle Hex 5/16"	
Insulated Torx T6	Insulated T-handle Hex 3/8"	
Insulated Torx T7	Insulated T-handle Hex 4.0mm	
Insulated Torx T8	Insulated T-handle Hex 5.0mm	
Insulated Torx T9	Insulated T-handle Hex 6.0mm	
Insulated Torx T10	Insulated T-handle Hex 8.0mm	
Insulated Torx T15	Insulated L-key 10mm	
Insulated Torx T20	Insulated L-key 1/2"	
Insulated Torx T25	Insulated Cable Knife 50mm	
Insulated Torx T30	Insulated Folding Ruler In/ MM	
Insulated Square #1	Insulated Ratchet 3/8" Dr.	
Insulated Square #2	Insulated 4.9" Extension	
Insulated Socket 1/2"	Insulated Socket 13mm	
Insulated Socket 9/16"	Insulated Socket 14mm	
Insulated Socket 5/8"	Insulated Socket 15mm	
Insulated Socket 11/16"	Insulated Socket 17mm	
Insulated Socket 3/4"	Insulated Socket 19mm	
Insulated Socket 13/16"	Insulated Socket 20mm	
Insulated Socket 7/8"	Insulated Socket 22mm	

80 Pc.
BIGGEST
SET

66 Pc.
BIGGER
SET



1000Volt

32876	66 Pc. Master Electrician's Set. Insulation	
According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E & CSA, up to 1000 volt. Individually Tested. Pliers drop-forged from special tool steel, individually high frequency induction hardened, chrome/nickel plated, mirror-polished. Cushion Grip Insulated		
Item# 32876	Set Includes:	lbs. 21.5
8.0" Long Nose	6.3" Side Cutters	
6.3" Long Flat Nose	8.0" BiCut SuperCut	
9.0" Combo Pliers/Crimpers	6.3" Stripping Pliers	
8.0" Cable Cutters	8.0" Adjustable Wrench	
Insulated Nut Driver 1/4"	Insulated Slotted 2.0mm	
Insulated Nut Driver 5/16"	Insulated Slotted 2.5mm	
Insulated Nut Driver 11/32"	Insulated Slotted 3.0mm	
Insulated Nut Driver 3/8"	Insulated Slotted 4.0mm	
Insulated Nut Driver 7/16"	Insulated Slotted 4.5mm	
Insulated T-handle Hex 4.0mm	Insulated Slotted 5.5mm	
Insulated T-handle Hex 5.0mm	Insulated Slotted 6.0mm	
Insulated T-handle Hex 6.0mm	Insulated Slotted 8.0mm	
Insulated T-handle Hex 8.0mm	Insulated Slotted 10.0mm	
Insulated T-handle Hex 5/32"	Insulated Phillips #0	
Insulated T-handle Hex 3/16"	Insulated Phillips #1	
Insulated T-handle Hex 7/32"	Insulated Phillips #2	
Insulated T-handle Hex 1/4"	Insulated Phillips #3	
Insulated T-handle Hex 5/16"	Insulated Torx T8	
Insulated T-handle Hex 3/8"	Insulated Torx T10	
Insulated Hex L-key 10.0mm	Insulated Torx T15	
Insulated Hex L-key 1/2"	Insulated Torx T20	
Insulated Socket 1/2"	Insulated Torx T25	
Insulated Socket 9/16"	Insulated Torx T30	
Insulated Socket 5/8"	Insulated Square #1	
Insulated Socket 11/16"	Insulated Square #2	
Insulated Socket 3/4"	Insulated Slit/Ph Terminal	
#1x80		
Insulated Socket 13/16"	Insulated Slit/Ph Terminal #2x100	
Insulated Socket 7/8"	Insulated Cable Knife 50mm	
Insulated Socket 8.0mm	Insulated Extension 4.9"	
Insulated Socket 10.0mm	Insulated Ratchet 3/8" Drive	
Insulated Socket 13.0mm	Insulated Socket 17.0mm	
Insulated Socket 14.0mm	Insulated Socket 19.0mm	

Wiha 1000Volt Insulated Tool Sets - Comfort Grip Handles



50 Pc. BIG SET

1000Volt

32874	50 Piece Insulated Tool Set. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E & CSA, up to 1000 volt. Individually Tested. Pliers drop-forged from special tool steel, individually high frequency induction hardened, chrome/nickel plated, mirror-polished. Cushion Grip Insulated	
Item# 32874	Set Includes:	lbs. 19.8
6.3" Long Nose Pliers	6.3" Side Cutters	
8.0" Long Nose Pliers	8.0" BiCut SuperCut	
6.3" Combination Pliers	6.3" Stripping Pliers	
9.0" Combo Pliers/Crimpers	8.0" Adjustable Wrench	
10.0" Water Pump Pliers	Battery Operated Voltage Detector	
Slotted: 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.5, 6.0, 6.5, 8.0mm		
Phillips: #0, 1, 2, 3 Square: #1, 2 Sl/Ph Terminal: #1, 2		
TORX: T8, T9, T10, T15, T20, T25, T27, T30		
Hex Inch: 5/32, 3/16, 7/32, 1/4, 5/16, 3/8"		
Nut Driver Inch: 7/32, 1/4, 5/16, 3/8, 7/16, 1/2"		
50mm Cable Stripping Knife & Insulated Inch/ Metric Folding Ruler		

1000Volt



25 Pc. Set

32879	25 Pc. Pliers & Screwdriver Set. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E & CSA, up to 1000 volt. Individually Tested. Pliers drop-forged from special tool steel, individually high frequency induction hardened, chrome/nickel plated, mirror-polished. In tool box.	
Item# 32879	Set Includes:	lbs. 11.92
8.0" Long Nose	6.3" Stripping Pliers	
9.0" Combination Pliers	Insulated Inch & Metric Folding Ruler	
8.0" BiCut SuperCut	8.5" Insulated Knife	
Slotted: 3.0, 4.5, 6.0mm	Phillips: #1, #2	
Square: #1, #2	Terminal Block Driver: #1, #2	
Inch Nut Driver: 1/4, 5/16, 11/32, 3/8, 7/16, 1/2"		
Metric Nut Driver: 7.0, 8.0, 10.0, 13.0mm		



13 Pc. Set

1000Volt

32878	13 Piece Pliers & Screwdriver Set. In canvas tool	
Item# 32878	Set Includes:	lbs. 5.16
8.0" Long Nose	50mm Cable Stripping Knife	
8.0" BiCut SuperCut	Insulated Slotted: 3.0mm	
9.0" Combo Pliers/Crimpers	Insulated Slotted: 4.5mm	
Insulated Phillips: #1	Insulated Slotted: 6.0mm	
Insulated Phillips: #2	Insulated Square: #1	
Insulated Sl/Ph Terminal: #1	Insulated Square: #2	
Insulated Sl/Ph Terminal: #2		

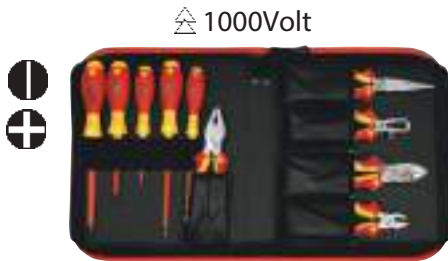
1000Volt



31 Pc. Set

32896	31 Pc. Pliers & Screwdriver Set. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E & CSA, up to 1000 volt. Individually Tested. Pliers drop-forged from special tool steel, individually high frequency induction hardened, chrome/nickel	
Item# 32896	Set Includes:	lbs. 12.85
6.3" Long Nose Pliers	6.3" Side Cutters	
8.0" Long Nose Pliers	8.0" BiCut SuperCut	
7.0" Linemans Pliers	6.3" Stripping Pliers	
9.0" Combination Pliers	6.3" Round Nose Pliers	
Slotted: 2.0, 2.5, 3.0, 3.5, 4.5, 5.5, 6.5, 8.0, 10.0mm		
Phillips: #0, #1, #2, #3		
Inch Nut Driver: 5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16"		

Wiha Insulated Pliers with High Visibility Comfort Grip Handle



1000Volt



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

32891	10 Piece Pliers & Screwdriver Set	
Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E & CSA, up to 1000 volt. Individually Tested.		
Item# 32891	Set Includes:	lbs. 5.54
8.0" Combination Pliers	8.0" Long Nose	
8.0" BiCut SuperCut	6.3" Cable Cutters	
6.3" Universal Wire Stripper		
Insulated Phillips #1	Insulated Slotted 4.5mm	
Insulated Phillips #2	Insulated Slotted 6.5mm	
Insulated Phillips #3		



1000Volt



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

32895	14 Piece Pliers & Screwdriver Set	
Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E & CSA, up to 1000 volt. Individually Tested.		
Item# 32895	Set Includes:	lbs. 6.60
8.0" Long Nose	6.3" Side Cutters	
9.0" Combination Pliers	8.0" BiCut SuperCut	
6.3" Stripping Pliers	Insulated Slotted 2.5mm	
Insulated Phillips #1	Insulated Slotted 3.0mm	
Insulated Phillips #2	Insulated Slotted 3.5mm	
Insulated Phillips #3	Insulated Slotted 4.5mm	
Insulated Slotted 2.0mm	Insulated Slotted 6.5mm	



1000Volt



32888	11 Piece Pliers & Screwdriver Set	
Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E & CSA, up to 1000 volt. Individually Tested.		
Item# 32888	Set Includes:	lbs. 3.58
6.3" Long Nose	6.3" Side Cutters	
8.0" Combination Pliers	6.3" Stripping Pliers	
Insulated Slotted 2.5mm	Insulated Phillips #0	
Insulated Slotted 3.5mm	Insulated Phillips #1	
Insulated Slotted 4.5mm	Insulated Phillips #2	
Insulated Slotted 6.0mm		



1000Volt



32892	10 Piece Pliers & Screwdriver Set.	
Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E & CSA, up to 1000 volt. Individually Tested.		
Item# 32892	Set Includes:	lbs. 6.64
8.0" Bent Nose	8.0" Combination Pliers	
6.3" Long Nose	6.3" Side Cutters	
Insulated Phillips #0	Insulated Slotted 3.0mm	
Insulated Phillips #1	Insulated Slotted 4.5mm	
Insulated Phillips #2	Insulated Slotted 6.5mm	



1000Volt



32894	13 Piece Pliers & Screwdriver Set	
Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E & CSA, up to 1000 volt. Individually Tested.		
Item# 32894	Set Includes:	lbs. 9.5
8.0" Bent Nose	8.0" Combination Pliers	
6.3" Long Nose	6.3" Side Cutters	
10" Water Pump Pliers		
Insulated Slotted: 4.5 & 6.5mm	Insulated Nut Driver:	
Insulated Phillips: #1 & #2	1/4, 5/16, 3/8, 1/2"	

Wiha Insulated Pliers with High Visibility Comfort Grip Handle

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



1000Volt

32889	8 Piece Pliers & Cutters Set	
Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E & CSA, up to 1000 volt. Individually Tested.		
Item# 32889	Set Includes:	lbs. 4.63
6.3" Long Nose Pliers	8.0" Long Nose Pliers	
6.3" Lineman's Pliers	6.3" Diagonal Cutters	
9.0" Lineman's Pliers	8.0" BiCut SuperCut	
6.3" Wire Stripping Pliers	Electrician's Knife	



1000Volt

32869	14 Piece Pliers/Cutters & Screwdrivers Set	
Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E & CSA, up to 1000 volt. Individually Tested.		
Item# 32869	Set Includes:	lbs. 6.52
9.0" Lineman's Pliers	8.0" BiCut SuperCut	
8.0" Cable Cutters	8.0" Long Nose Pliers	
6.0" Stripping Pliers 10-20 AWG		
SlimLine Slotted 3.0, 4.5, 6.5mm	SlimLine Phillips #1, 2	
SlimLine Square #1, 2	SlimLine Terminal #2	
Single Pole Tester		



1000Volt

32867	10 Piece Pliers & Screwdriver Set	In Canvas
Item# 32867	Set Includes:	lbs. 4.06
6.3" Diagonal Cutters	9.0" Combo Pliers	
6.3" Long Nose Pliers	6.3" Wire Strippers	
7.0" Crimping Pliers		
Insulated Slotted 4.5mm	Insulated Phillips #1	
Insulated Slotted 6.0mm	Insulated Phillips #2	
Insulated Square: #2		



1000Volt

32868	10 Piece Pliers & Screwdriver Set	In
Item# 32868	Set Includes:	lbs. 4.24
7.0" Diagonal Cutters	9.0" Combo Pliers	
8.0" Long Nose Pliers	6.3" Wire Strippers	
7.0" Crimping Pliers		
Insulated Slotted 3.0, 4.5, 6.0mm		
Insulated Phillips #1, 2		



1000Volt

32873	3 Piece Insulated Pliers/Cutters	
In Belt Pack Pouch Tools meet EN/IEC, ASTM, VDE, NFPA70E & CSA standards. Pliers chrome finish for long lasting corrosion protection. Soft grip ergo designed handle body, safety slip guard.		
Item	Insulated Pliers & Cutters	
No.	6.3" / 160mm Diagonal Cutters	
32873	8.0" / 200mm Long Nose Pliers	
	8.0" / 200mm Combination Pliers	
		lbs. 2.12



1000Volt

32862	2 Pc. Insulated Pliers & Cutters Set	
Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E & CSA, up to 1000 volt. Individually Tested.		
Pliers drop forged of high C70 steel. Durable cutting is achieved through additional inductive hardening to approx. 64HRC.		
Item No.	Insulated Pliers & Cutters	lbs. 1.66
32862	8.0" BiCut SuperCut Pliers	
	8.0" Combination Pliers	



Insulated Pliers & Cutters



Safety slip guard

Hard chrome finish for long lasting corrosion protection

Cutters additionally induction hardened

Soft grip ergonomically designed handle body

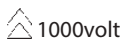
Insulated NE Style Lineman's Pliers



32831 Insulated NE Style Lineman's Pliers. Insulation According to EN/IEC 60900, ASTM F-1505, NFPA70E and CSA, up to 1000 Volt. Individually Tested. Long life edge is achieved through additional induction hardening to approx. 64HRC. Special C70 tool steel hardened & tempered. Extra long cutting edge for flat and round cables. Two component soft grip ergonomic handles.

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

Insulated Lineman's Pliers With Crimpers



5-in-1 Lineman's Pliers



With lower crimping jaw

32821 Insulated Lineman's Pliers "5-in-1" Professional Design. Insulation According to EN/IEC, ASTM, NFPA70E & CSA, up to 1000 Volt. Individually Tested. Deep cut radius conduit jaws for non-slip gripping. Extra long induction hardened precision matched cutting edges. Lower crimping jaw accepts most standard non-insulated electrical connectors. Large head with square anvil surface on each side. Made from premium C70 tool steel forgings. 64HRC

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

Insulated Combination Pliers



3 Point Contact OptiGrip



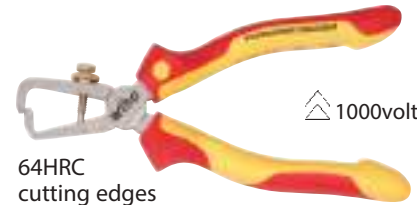
Long life high performance dynamic 60/40 joint



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

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

Insulated Stripping Pliers



64HRC cutting edges

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

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

Insulated High Leverage Combination Pliers



3 Point Contact OptiGrip



Long life high performance dynamic 60/40 joint



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

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

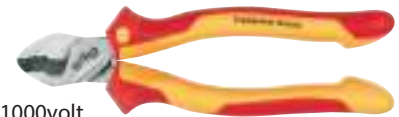
Insulated Crimping Pliers



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

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

Insulated Serrated Edge Cable Cutters



328 Serrated Edge Cable Cutters. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505-10, 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. Special tool steel. For cutting of copper & aluminum cables without crushing.

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

Insulated Electrician's Diagonal Cutters

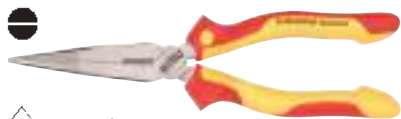


△ 1000volt

32861 Diagonal Cutters W/Stripping Holes. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505-10, NFPA70E and CSA, up to 1000 Volt. Individually Tested. Drop-forged from special tool steel, cutters additionally induction hardened to approx. 64HRC, chrome-nickel plated, mirror-polished. Ergonomic comfort grip with slip guard. Holes in the cutting edge for stripping copper wire of Ø 1.5 and 2.5. Strips AWG sizes #10 & #14.

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

Insulated Long Nose Pliers



△ 1000volt

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

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

Insulated Long Flat Nose Pliers

Two component Soft Grip handles



△ 1000volt

Extra long head

Insulated Diagonal Cutters



△ 1000volt

328 Diagonal Cutters. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505-10, NFPA70E & CSA, up to 1000 Volt. Individually Tested. DIN ISO 5749 Low wear lap joint, riveted & able to withstand high levels of load. Lightweight action, clean cutting. Long term cutting is achieved through additional inductive hardening to approx. 64HRC. Special tool steel hardened & tempered. For soft & medium hard wire. 32832 & 32834 for soft, hard & piano wire.

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

Insulated Bent Nose Pliers

Angled 40°



△ 1000volt

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

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

32810 Long Flat Nose Pliers.

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

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

Insulated High Leverage Diagonal Cutters



△ 1000volt

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

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

Insulated BiCut SuperCut



Cutting capacity up to 3mm hardened piano wire



△ 1000volt

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

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

Round Nose Pliers



△ 1000volt

32870 Round Nose Pliers. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505-10, NFPA70E and CSA, up to 1000 Volt. Individually Tested. Drop-forged from C70 special tool steel, individually induction hardened, chrome and nickel plated, mirror-polished. Ergonomic comfort grip with slip guard. Serrated jaws.


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

Insulated Pliers/Cutters & Screwdrivers Sets




 1000Volt


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

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




 1000Volt

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

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



 1000Volt

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

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



 1000Volt


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

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



 1000Volt


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

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



 1000Volt

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

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

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



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

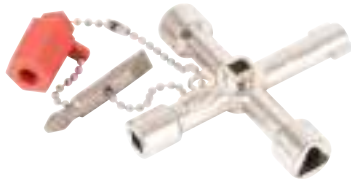
Pen Style Control Cabinet Key



For applications with all common switch cabinets and locking systems

21105	Pen Style	Control Cabinet Key	Diecast Zinc, polished finish. Includes: Square 5, 6, 7, 8mm, Triangular 9mm, Double Bit Key 5mm/Internal & 9mm/External, Universal 1/4" Bit Adapter, Magnetic Bit Holder & 2 Double Insert Bits: Slotted 7mm / Phillips #2,	
Item No.	mm	Inch	Pkg.	lbs.
21105	140	5.5"	1	.30

Switch Cabinet Key



21103	Switch Cabinet Keys	For applications with all common switch cabinets and locking systems. Diecast Zinc. Bit insert Slotted 7.0mm & Phillips #2. Adapter for 1/4" bits on securing chain and 1/4" bit adapter in one arm.		
Item No.	mm	Inch	Pkg.	lbs.
21103	76	3.0"	1	.22

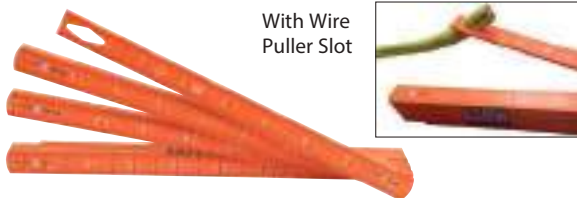
Proturm Insulated Electrician's Shears



32951	Proturm Insulated	Electrician's Shears	Insulation meets VDE, ASTM F1505, EN/IEC 60900, CSA, NFPA 70E, OSHA Specifications. Made from stainless 420 grade steel	
Item			↔	↔
No.	mm	Inch	Pkg.	lbs.
32951	160	6.3	1	.22

Proturm Insulated Electrician's Shears

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

Insulated Stripping Pliers



1000Volt

10250	Insulated Stripping Pliers.	Insulation According to EN/IEC 60900, DIN ISO 8976, ASTM F-1505 & CSA Specification. Individually Tested. Wide long head with ridged gripping surface, shears blade and firm wire stripping stations. Wire stripping stations 0.81 / 1.0 / 1.3 / 1.6 / 2.0 / 2.59mm, AWG 20 / 18 / 16 / 14 / 12 / 10.				
Item No.	mm	Inch	∅	AWG	Pkg.	lbs.
10250	160	6.3"	0.81-2.59	20-10	1	.26

Insulated Pliers Wrench

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



1000Volt

11610	Pliers Wrench, With Insulated Handle Insulation	According to EN/IEC 60900, DIN ISO 8976, ASTM F-1505 & CSA Specification, Up To 1000 Volt. Individually Tested. Chrome-vanadium steel, drop forged, oil hardened.		
Item No.	OAL	OAL	↔	↔
No.	mm	Inch	lbs.	pkg.
11610	254	10.0"	1.67	1

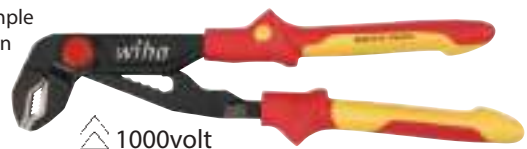
Insulated Water Pump Pliers



1000volt

32954	Insulated Industrial Water Pump Pliers.	Insulation According to VDE, EN/IEC, ASTM, NFPA70E & CSA, up to 1000 Volt. Individually Tested. 10 opening settings provides optimal adjustment to objects being gripped. Long life achieved through additional induction hardening of jaws to approx. 62HRC. Chrome-vanadium tool steel forgings, hardened and tempered. Black finish.				
Item			Capacities		↔	↔
No.	mm	Inch	Round	Hex	Pkg.	wt.
32954	250	10.0	1 3/4	2	1	.90

Rapid & simple push button setting & locking




1000volt


32956	Insulated Industrial Push Button Water Pump Pliers.	Insulation According to VDE, EN/IEC, ASTM, NFPA70E & CSA, Individually Tested. Extra narrow head for working in small spaces. Long life achieved through additional induction hardening of jaws to approx. 62HRC. Finger jam protection for safe operation at all settings. CVM tool steel forgings, hardened & tempered.				
Item			Capacities		↔	↔
No.	mm	Inch	Round	Hex	Pkg.	wt.
32956	250	10.0	1 3/4	2"	1	.90

Insulated Industrial Pliers & Cutters


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



Induction hardened jaws and cutters to 64 HRC



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



Industrial brushed finish

1000V


Ergo comfort grip with slip guard

Two component ergo cushion grip handles

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.



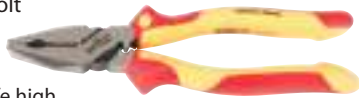
Item No.	mm	Inch	Cutting Capacity Copper AWG	Pkg.	wt.
32926	160	6.3	#10	1	.36
32923	200	8.0	#8	1	.46

Insulated Lineman's Pliers With Crimpers

1000volt

Long life high performance dynamic 60/40 joint

64HRC cutting edges



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

Item No.	mm	Inch	Cutting Capacity Copper AWG	Pkg.	wt.
32917	225	9.0	#4	1	.98

Insulated High Leverage Diagonal Cutters

1000volt

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



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	Pkg.	wt.
32939	200	8.0	#4	1	.66

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.	mm	Inch	Cutting Capacity Copper AWG	Pkg.	wt.
32930	200	8.0	#4	1	.92

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.	mm	Inch	Pkg.	wt.
32938	245	9.5	1	1.18

Insulated Diagonal Cutters

Long life high performance dynamic 60/40 joint

1000volt

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



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	Pkg.	wt.
32933	160	6.3	#6	1	.64
32929	200	8.0	#6	1	.80

Insulated Heavy Duty Cable Cutters

1000volt

32927 Insulated Industrial Serrated Edge Cable Cutters. Insulation According to VDE 0682/part 201, EN/IEC 60900, ASTM F-1505, NFPA70E and CSA, up to 1000 Volt. Individually Tested. Light, clean cutting ground precision cutting edges. Durable cutting is achieved through additional inductive hardening to approx. 64HRC. For cutting of copper and aluminum cables without crushing.



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	Pkg.	lbs.
32927	200	8.0	20	60	1	.78

Insulated Industrial Lineman's Pliers W/Crimpers



Knurled Striking Zone **NEW**

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.	mm	Inch	Pkg.	wt.
32948	245	9.5	1	1.22

Insulated Bent Nose Pliers



Angled 40° **NEW**

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	↔	↔	Cutting Capacity	■	⚡
No.	mm	Inch	Copper AWG	Pkg.	lbs.
32928	160	6.3	#10	1	.42

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

Item	↔	↔	■	⚡
No.	mm	Inch	Pkg.	lbs.
32941	160	6.3	1	.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	Pkg.	lbs.
32936	200	8.0	1	.78

Insulated BiCut SuperCut & Screwdriver Set



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

1000volt

32942 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

32981 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

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	Pkg.	wt.
32944	170	6.7	#6	1	.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.	mm	Inch	mm2	AWG	Pkg.	wt.
32945	180	7.0	0.25-2.5	6-30	1	.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

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

Wiha Insulated Industrial Tool Sets



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



1000Volt



32086	7 Pc. Insulated Industrial Combo Pliers & Screwdrivers
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
Item No.	Insulated Combination Pliers:
32984	8.0" Combination Pliers
	8" Long Nose Pliers
	Drivers: Slotted: 3.0, 4.5mm
	Phillips: #2 • Square: #2



1000Volt

32983	5 Pc. Insulated Industrial Diagonal Cutters & Screwdrivers
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 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
lbs.	Insulated Drivers: Phillips: #1, #2
2.30	Slotted: 3.0, 4.5mm

1000Volt



32990	17 Pc. Insulated Pop-Up Bit Holder & Pliers/Cutters
	Set Cushion grip handle with magnetic holder to securely hold bits. Pliers & Cutters additionally induction hardened.
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
lbs.	8.0"/200mm Long Nose Pliers
	8.0"/200mm High Lev. Cutters
3.72	9.5"/245mm Lineman's Pliers



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"



1000volt



In Roll Out Pouches

32988	22 Pc. Pliers/Cutters & SlimLine Blade 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# 32988	Set Includes: lbs.
	32923 - 8.0" Long Nose Pliers
	32933 - 6.3" Diagonal Cutters
	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

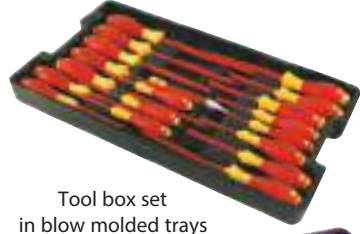
Wiha Insulated Industrial Tool Sets

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# 32987	Set Includes:
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

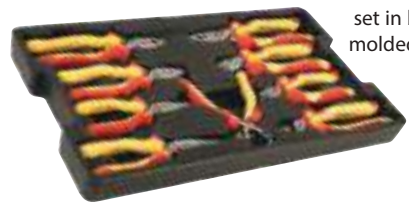
32989	28 Piece Insulated Industrial Pliers & Cutters Set	Insulated pliers & cutters set in a light weight tool box tray.
Item No.	Set Includes:	
32989	9.0" Lineman's Pliers	
	8.0" High Leverage Combo Pliers	
	6.3" & 8.0" Long Nose Pliers	
lbs.	8.0" Cable Cutters	
6.34	6.3" & 8.0" Diagonal Cutters	
	6.3" 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 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# 32986	Set Includes:
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	



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	



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



32960	5-Piece Insulated Pliers and Cutters Tray Set
Patented pliers DynamicJoint [®] provides 40% easier cuts and significantly longer tool life.	
Item No.	Long Nose: 8.0" 200mm
	Angled Cutters: 8.0" 200mm
32960	NE Style Lineman's: 9.5" 245mm



32081	5-Piece Insulated SoftFinish [®] Cushion Grip Screwdriver Tray Set
Designed with an ergonomic SoftFinish [®] cushion grip for maximum power and comfort.	
Item No.	Slotted: 4.5, 5.5, 6.5mm
32081	Phillips: #1, #2

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



32080	10-Piece Insulated SoftFinish [®] Cushion Grip Screwdriver Tray Set
Designed with an ergonomic SoftFinish [®] cushion grip for maximum power and comfort.	
Item No.	Slotted: 3.5, 4.5, 4.5, 5.5, 6.5mm
	Phillips: #1, #2, #3
32080	Square: #1, #2

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



1000volt

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



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

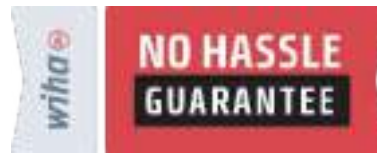
Nut Setters: 1/4, 5/16, 3/8"

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

Kits de Ferramentas Isoladas

Conjunto de ferramentas isoladas 1000V VDE

Ferramentas em conformidade com os padrões: ASTM, IEC, VDE, EN, NFPA, CSA & NR-10

Testado 10.000 Volts
Certificação 1000 Volts

Aço Cromo Vanádio
c/ acabamento cromado



1000V

GETROTECH
Professional Electrician's Equipment



Imagens meramente ilustrativas

Conjunto de ferramentas Isoladas 1000V VDE com 11 peças

GTRO1020 Conjunto Profissional de ferramentas isoladas 1000V com 11 peças, certificadas EN/IEC60900 VDE-GS, ASTM, NFPA70E, CSA, com bolsa em nylon e exclusiva divisória "Hands Free" (mãos livres para praticidade em medições), para técnicos eletricitas atuantes em áreas de baixa tensão 1000 VAC/1500 VDC (NR-10).



1000volt

Item no.	Composição:
GT1002	Bolsa em nylon de alta resistência com exclusiva divisória tipo Hands Free. Dim. (LxAxP): 25x28x8 cm
76208	Chave ajustável 8"
32818	Alicate Universal 8"
32832	Alicate de corte diagonal 6.1/2"
15003	Faca reta lâmina reta com proteção
32012	Chave de fenda 3x100 mm
32017	Chave de fenda 4x100 mm
32031	Chave de fenda 5.5x125 mm
32039	Chave de fenda 6.5x150 mm
32100	Chave Phillips PH0x60 mm
32101	Chave Phillips PH1x80 mm
32102	Chave Phillips PH2x100 mm



Exclusiva divisão porta Multímetro tipo hands free (Mãos livres)

* Multímetro não incluso no conjunto. Imagens meramente ilustrativas.

Conjunto de ferramentas isoladas 1000V VDE

Ferramentas em conformidade com os padrões: ASTM, IEC, VDE, EN, NFPA, CSA & NR-10

Testado 10.000 Volts
Certificação 1000 Volts

Aço Cromo Vanádio
c/ acabamento cromado



 1000V

GETROTECH
FERRAMENTAS E EQUIPAMENTOS



Imagens meramente ilustrativas

Conjunto de ferramentas Isoladas 1000V VDE com 13 peças



 1000volt

GTRO1010 Conjunto Profissional de ferramentas isoladas 1000V com 13 peças, certificadas EN/IEC60900 VDE-GS, ASTM, NFPA70E, CSA, com bolsa em nylon, para técnicos eletricitas atuantes em áreas de baixa tensão 1000 VAC/1500 VDC (NR-10).

Item no.	Composição:
GT1001	Bolsa em nylon de alta resistência para instrumentos e ferramentas. Dim. (LxAxP): 34x30x22 cm
76210	Chave ajustável 10"
32818	Alicate Universal 8"
32832	Alicate de corte diagonal 6.1/2"
32806	Alicate bico 1/2 cana reto 6"
15003	Faca reta lâmina reta com proteção
32012	Chave de fenda 3x100 mm
32017	Chave de fenda 4x100 mm
32031	Chave de fenda 5.5x125 mm
32039	Chave de fenda 6.5x150 mm
32100	Chave Phillips PH0x60 mm
32101	Chave Phillips PH1x80 mm
32102	Chave Phillips PH2x100 mm
32103	Chave Phillips PH3x150 mm



Conjunto de ferramentas isoladas 1000V VDE



Ferramentas em conformidade com os padrões: ASTM, IEC, VDE, EN, NFPA, CSA & NR-10

Testado 10.000 Volts
Certificação 1000 Volts



Aço Cromo Vanádio
c/ acabamento cromado



Imagens meramente ilustrativas

GTRO1015 Conjunto Profissional de ferramentas isoladas 1000V com 25 peças, certificadas EN/IEC60900 VDE-GS, ASTM, NFPA70E, CSA, com bolsa em nylon, para técnicos eletricitas atuantes em áreas de baixa tensão 1000 VAC/1500 VDC (NR-10).

GT1001	Mala em nylon de alta resistência, com elásticos para o adequado acondicionamento de ferramentas e instrumentos de medição, com bolsos porta objetos e manuais, bandeja central removível, abertura da tampa superior de fácil acesso as ferramentas e alça tira colo.
76208	Chave Ajustável de 8", Aço Cromo Extra Vanádio, Isolado 1000V, Certificado EN-60900
32821	Alicate Universal de 9", Aço Cromo Extra Vanádio, Isolado 1000V, Certificado EN-60900
32806	Alicate Bico 1/2 Cana Reto de 6", Aço Cromo Extra Vanádio, Isolado 1000V, Certificado EN-60900 VDE
15050	Faca decapadora de cabos curva, isolada 1000V, Certificada EN-60900
32832	Alicate Corte Diagonal de 6. 1/2", Aço Cromo Extra Vanádio, Isolado 1000V, Certificado EN-60900 VDE
32100	Chave Phillips PH0x60 mm, Isolada 1000V, Certificadas EN-60900 VDE
32101	Chave Phillips PH1x80 mm, Isolada 1000V, Certificadas EN-60900 VDE
32102	Chave Phillips PH2x100 mm, Isolada 1000V, Certificadas EN-60900 VDE
32103	Chave Phillips PH3x150 mm, Isolada 1000V, Certificadas EN-60900 VDE
32012	Chave de Fenda 3x100 mm, Isolada 1000V, Certificadas EN-60900 VDE
32017	Chave de Fenda 4x100 mm, Isolada 1000V, Certificadas EN-60900 VDE
32039	Chave de Fenda 6.5x150 mm, Isolada 1000V, Certificadas EN-60900 VDE
32042	Chave de Fenda 8x175 mm, Isolada 1000V, Certificadas EN-60900 VDE
32218	Chaves Hex Tipo Canhão 7 mm, Isolada 1000V, Certificadas EN-60900 VDE
32221	Chaves Hex Tipo Canhão 8 mm, Isolada 1000V, Certificadas EN-60900
32227	Chaves Hex Tipo Canhão 10 mm, Isolada 1000V, Certificadas EN-60900
13653	Chave L Tipo Allen 3 mm, Isolada 1000V, Certificadas EN-60900
13654	Chave L Tipo Allen 4 mm, Isolada 1000V, Certificadas EN-60900
13655	Chave L Tipo Allen 5 mm, Isolada 1000V, Certificadas EN-60900
13656	Chave L Tipo Allen 6 mm, Isolada 1000V, Certificadas EN-60900
13658	Chave L Tipo Allen 8 mm, Isolada 1000V, Certificadas EN-60900
13659	Chave L Tipo Allen 10 mm, Isolada 1000V, Certificadas EN-60900
FLUKE-L206	Lanterna LED de Cabeça para uso em capacete
FLUKE-1AC-A2II	Detector de Tensão sem contato
FLUKE -376 FC	Alicate Amperímetro Digital AC/DC até 1000A, com acessórios já incluso, 12500-18 chegando a 250A – AC

Conjunto de ferramentas isoladas 1000V VDE

Ferramentas em conformidade com os padrões: ASTM, IEC, VDE, EN, NFPA, CSA & NR-10

Testado 10.000 Volts
Certificação 1000 Volts

Aço Cromo Vanádio
c/ acabamento cromado



1000V

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Special Professional Solutions



Imagens meramente ilustrativas

Conjunto de ferramentas Isoladas 1000V VDE com 13 peças



*Cadeado não incluso

GTR05010 Conjunto Profissional de ferramentas isoladas 1000V com 13 peças, certificadas EN/IEC60900 VDE-GS, ASTM, NFPA70E, CSA, Mochila em nylon de alta resistência reforçada com estrutura em PVC, compartimentos para ferramentas e bandeja interna removível, para técnicos eletricitas atuantes em áreas de baixa tensão 1000 VAC/1500 VDC (NR-10).

Item no.	Composição:
GT5001	Mochila em nylon de alta resistência reforçada com estrutura em PVC, alça de mão e alças acolchoadas para as costas, bolso frontal com fita refletiva, compartimentos para ferramentas e bandeja interna removível. Dim. (LxAxP) 34x41x15 cm.
76210	Chave ajustável 10"
32818	Alicate Universal 8"
32832	Alicate de corte diagonal 6.1/2"
32806	Alicate bico 1/2 cana reto 6"
15003	Faca reta lâmina reta com proteção
32012	Chave de fenda 3x100 mm
32017	Chave de fenda 4x100 mm
32031	Chave de fenda 5.5x125 mm
32039	Chave de fenda 6.5x150 mm
32100	Chave Phillips PH0x60 mm
32101	Chave Phillips PH1x80 mm
32102	Chave Phillips PH2x100 mm
32103	Chave Phillips PH3x150 mm



Bandeja interna removível

Face1

Face2

Alças acolchoadas

Parte interna



Conjunto de ferramentas isoladas 1000V VDE

Ferramentas em conformidade com os padrões: ASTM, IEC, VDE, EN, NFPA, CSA & NR-10

Testado 10.000 Volts
Certificação 1000 Volts

Aço Cromo Vanádio
com acabamento cromado



1000V

GETROTECH



Imagens meramente ilustrativas

Conjunto de ferramentas Isoladas 1000V VDE com 11 peças

GTR05020 Conjunto Profissional de ferramentas isoladas 1000V com 11 peças, certificadas EN/IEC60900 VDE-GS, ASTM, NFPA70E, CSAM, Mochila em nylon de alta resistência reforçada com estrutura em PVC, compartimentos para ferramentas e bandeja interna removível, para técnicos eletricitistas atuantes em áreas de baixa tensão 1000 VAC/1500 VDC (NR-10).



*Cadeado não incluso

Item no. Composição:

GT5001	Mochila em nylon de alta resistência com estrutura rígida de reforço, alça de mão e alças acolchoadas para as costas, bolso frontal com fita refletiva, compartimentos para ferramentas e bandeja interna removível. Dim. (LxAxP) 34x41x15 cm.
76208	Chave ajustável 8"
32818	Alicate Universal 8"
32832	Alicate de corte diagonal 6.1/2"
15003	Faca reta lâmina reta com proteção
32012	Chave de fenda 3x100 mm
32017	Chave de fenda 4x100 mm
32031	Chave de fenda 5.5x125 mm
32039	Chave de fenda 6.5x150 mm
32100	Chave Phillips PH0x60 mm
32101	Chave Phillips PH1x80 mm
32102	Chave Phillips PH2x100 mm



Bandeja interna removível

Face1

Face2

Alças acolchoadas

Parte interna

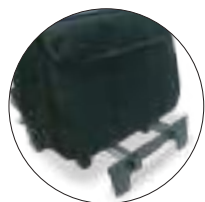


Conjunto de ferramentas Isoladas 1000V VDE com 13 peças

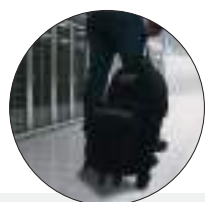
GTR07010 Conjunto Profissional de ferramentas isoladas 1000V com 13 peças, certificadas EN/IEC60900 VDE-GS, ASTM, NFPA70E, CSA, e Mochila em nylon 900 de alta resistência reforçada com estrutura em PVC, compartimentos para ferramentas, zíper com fecho para cadeado (cadeado opcional), bandeja interna removível, com alça retrátil e base com rodízios, para técnicos eletricitistas atuantes em áreas de baixa tensão 1000 VAC/1500 VDC (NR-10).



*Cadeado não incluso



Base extensível para apoio



Item no. Composição:

GT7001

Mochila em nylon 900 de alta resistência reforçada com estrutura em PVC, alça de mão e alças acolchoadas com regulagem para as costas, e bolso porta alças, bolso frontal com fita refletiva, compartimentos para ferramentas, zíper com fecho para cadeado (cadeado opcional), bandeja interna removível, carrinho com alça retrátil e base extensível para apoio. Peso: 3,600 kg. Compartimento Principal: (LxAxP) 34x50x13 cm. Bolso Frontal: (LxAxP) 34 x 29 x 4cm.

76210	Chave ajustável 10"
32818	Alicate Universal 8"
32832	Alicate de corte diagonal 6.1/2"
32806	Alicate bico 1/2 cana reto 6"
15003	Faca reta lâmina reta com proteção
32012	Chave de Fenda 3x100 mm
32017	Chave de Fenda 4x100 mm
32031	Chave de Fenda 5.5x125 mm
32039	Chave de Fenda 6.5x150 mm
32100	Chave Phillips PH0x60 mm
32101	Chave Phillips PH1x80 mm
32102	Chave Phillips PH2x100 mm
32103	Chave Phillips PH3x150 mm



Bandeja Interna removível



Face 1



Face 2



Alças acolchoadas



Conjunto de ferramentas isoladas 1000V VDE

Ferramentas em conformidade com os padrões: ASTM, IEC, VDE, EN, NFPA, CSA & NR-10

Testado 10.000 Volts
Certificação 1000 Volts

Aço Cromo Vanádio
c/ acabamento cromado



Imagens meramente ilustrativas

GTR03000 Conjunto Profissional de ferramentas isoladas 1000V (e não isoladas) e instrumentos de medição, com 67 peças. Certificadas EN/IEC60900 VDE-GS, ASTM, NFPA70E, CSA, com mala e divisórias para o adequado acondicionamento das ferramentas, para técnicos eletricitistas atuantes em áreas de baixa tensão 1000 V AC/1500 VDC (NR-10).

Item no.	Composição:		
GTPL3001	Mala polipropileno inquebrável com alça retrátil e rodízios. Dim. (LxAxP): 55.9 x 35.1 x 22.9 cm.	15003	Faca decapadora cabos c/ proteção superior da lâmina comprimento 7" (180 mm)
32818	Alicate Universal 8" (200 mm)	15050	Faca decapadora cabos lâmina longa curva compr. 7" (180 mm) lâmina de 50 mm
32832	Alicate corte diagonal Standard 6" (150 mm)	GT-J6	Alicate de crimpar terminais pré-isolados com matriz 0.5- 1,1-2.5, 2.6-6mm2
32808	Alicate de bico meia cana reto com cortador 8" (200 mm)	GTH-10	Alicate de crimpar terminais isolados e não isolados matriz 0.75-10mm²
32804	Alicate bico meia cana curvo com cortador, 8" (200 mm)	GTSX-80010	Decapador de fio amplitude de: 0,75 / 1 / 1,5 / 2,5 / 4/6 mm
32828	Alicate corta cabos rígidos, serrilhado especial 8" (200 mm)	12853	Catraca reversível encx. □ 1/2" comp. 10.2" (260 mm)
29240	Alicate bomba d'água com cremalheira 9,5" (240 mm)	31610	Soquete estriado curto encx. □ 1/2" 10 mm
20010	Chave fixa uma boca 10 mm, linha Prime Power	31612	Soquete estriado curto encx. □ 1/2" 12 mm
20011	Chave fixa uma boca 11 mm, linha Prime Power	31613	Soquete estriado curto encx. □ 1/2" 13 mm
20012	Chave fixa uma boca 12 mm, linha Prime Power	31614	Soquete estriado curto encx. □ 1/2" 14 mm
20013	Chave fixa uma boca 13 mm, linha Prime Power	31617	Soquete estriado curto encx. □ 1/2" 17 mm
20014	Chave fixa uma boca 14 mm, linha Prime Power	31619	Soquete estriado curto encx. □ 1/2" 19 mm
20017	Chave fixa uma boca 17 mm, linha Prime Power	31622	Soquete estriado curto encx. □ 1/2" 22 mm
20019	Chave fixa uma boca 19 mm, linha Prime Power	31624	Soquete estriado curto encx. □ 1/2" 24 mm
20022	Chave fixa uma boca 22 mm, linha Prime Power	12858	Extensão Standard encx. □ 1/2" compr. 5" (125 mm)
21010	Chave estrela uma boca com inclinação 10 mm	12859	Extensão Standard encx. □ 1/2" compr. 10" (250 mm)
21011	Chave estrela uma boca com inclinação 11 mm	76210	Chave inglesa Standard c/ ajuste central compr. 10" (250 mm), abertura 29 mm
21012	Chave estrela uma boca com inclinação 12 mm	GTT300.001-C	Talhadeira 10" com proteção no cabo
21013	Chave estrela uma boca com inclinação 13 mm	GTT300.300	Martelo Pena 300 grs
21014	Chave estrela uma boca com inclinação 14 mm	GTT300.019	Pincel / Trincha 1 1/2"
21017	Chave estrela uma boca com inclinação 17 mm	GTT300ST.25G	Tubo de estanho para solda - 25 grs
21019	Chave estrela uma boca com inclinação 19 mm	GTT300FSP.100	Ferro de solda 100W - 220V
21022	Chave estrela uma boca com inclinação 22 mm	GTT300.301	Sugador de solda
32046	Chave de fenda especial para borne - haste slim - 3,5x100 mm	GTT300.005	Lanterna manual, corpo em alumínio, 6 LEDs, 3AAA (pilhas não incluso)
32012	Chave de fenda Standard 3x100 mm	GTT300.012	Arco de serra profissional com lâmina de 12"
32017	Chave de fenda Standard 4x100 mm	FLK-1AC-A2-II	Detector de tensão AC sem contato, range entre 90 V AC até 1000 V AC, 45 Hz até 405 Hz, CAT IV-1000V
32031	Chave de fenda Standard 5,5x125 mm	FLUKE-376 FC	Alicate volt-amperímetro digital TRUE-RMS, AC/DC até 1000A (2500A AC c/ IFLEX2500 incluso), CAT III - 1000V, CAT IV-600V
32039	Chave de fenda Standard 6,5x150 mm	FLUKE-62 MAX	Termômetro infravermelho, range de -30 a 500 °C, com mira laser pontual e emissividade ajustável.
32145	Chave Phillips para borne - haste slim - PH 1 (4x150 mm)		
32100	Chave Phillips Standard PH 0 (3x100 mm)		
32101	Chave Phillips Standard PH 1 (4.5x150 mm)		
32102	Chave Phillips Standard PH 2 (6x175 mm)		
32103	Chave Phillips Standard PH 3 (8x200 mm)		
13653	Chave "L" tipo allen hexagonal macho 3 mm		
13654	Chave "L" tipo allen hexagonal macho 4 mm		
13655	Chave "L" tipo allen hexagonal macho 5 mm		
13656	Chave "L" tipo allen hexagonal macho 6 mm		
13658	Chave "L" tipo allen hexagonal macho 8 mm		
13659	Chave "L" tipo allen hexagonal macho 10 mm		

Conjunto de ferramentas isoladas 1000V VDE

Ferramentas em conformidade com os padrões: ASTM, IEC, VDE, EN, NFPA, CSA & NR-10

Testado 10.000 Volts
Certificação 1000 Volts

Aço Cromo Vanádio
c/ acabamento cromado



Imagens meramente ilustrativas

GTRO3010 / GTRO3020 Conjunto de Ferramentas Isoladas 1000V (e não isoladas), configuração com 30 peças (GTRO3010) ou 43 peças (GTRO3020), certificadas EN/IEC60900 VDE-GS, ASTM, NFPA70E, CSA, com mala e divisórias para o adequado acondicionamento das ferramentas, para técnicos eletricitistas atuantes em áreas de baixa tensão 1000 V AC/1500 VDC (NR-10).

Item no.	Composição:	GTRO3010	GTRO3020
GTPL3001	Mala polipropileno inquebrável com alça retrátil, rodízios e divisórias. Dim. (LxAxP): 55.9 x 35.1 x 22.9 cm.	√	√
32818	Alicate Universal 8" (200 mm)	√	√
32832	Alicate corte diagonal Standard 6" (150 mm)	√	√
32808	Alicate de bico meia cana reto com cortador 8" (200 mm)	√	√
20010	Chave fixa uma boca 10 mm, linha Prime Power	√	√
20011	Chave fixa uma boca 11 mm, linha Prime Power	√	√
20012	Chave fixa uma boca 12 mm, linha Prime Power	√	√
20013	Chave fixa uma boca 13 mm, linha Prime Power	√	√
20014	Chave fixa uma boca 14 mm, linha Prime Power	√	√
20017	Chave fixa uma boca 17 mm, linha Prime Power	√	√
20019	Chave fixa uma boca 19 mm, linha Prime Power	√	√
20022	Chave fixa uma boca 22 mm, linha Prime Power	√	√
32012	Chave de fenda Standard 3x100 mm	√	√
32017	Chave de fenda Standard 4x100 mm	√	√
32046	Chave de fenda especial para borne - haste slim - 3,5x100 mm	√	√
32031	Chave de fenda Standard 5,5x125 mm	√	√
32039	Chave de fenda Standard 6,5x150 mm	√	√
32145	Chave Phillips para borne - haste slim - PH 1 (4x150 mm)	√	√
32100	Chave Phillips Standard PH 0 (3x100 mm)	√	√
32101	Chave Phillips Standard PH 1 (4.5x150 mm)	√	√
32102	Chave Phillips Standard PH 2 (6x175 mm)	√	√
32103	Chave Phillips Standard PH 3 (8x200 mm)	√	√
13653	Chave "L" tipo allen hex. macho 3 mm	√	√
13654	Chave "L" tipo allen hex. macho 4 mm	√	√
13655	Chave "L" tipo allen hex. macho 5 mm	√	√
13656	Chave "L" tipo allen hex. macho 6 mm	√	√
13658	Chave "L" tipo allen hex. macho 8 mm	√	√
13659	Chave "L" tipo allen hex. macho 10 mm	√	√
15003	Faca decapadora cabos c/ proteção superior da lâmina comprimento 7" (180 mm)	√	√
76210	Chave inglesa Standard c/ ajuste central compr. 10" (250 mm), abertura 29 mm	√	√
GTT300.001-C	Talhadeira 10" com proteção no cabo	-	√
GTT300.300	Martelo Pena 300 grs	-	√
GTT300.019	Pincel / Trincha 1 1/2"	-	√
GTT300ST.25G	Tubo de estanho para solda - 25 grs	-	√
GTT300FSP.100	Ferro de solda 100W - 220V	-	√
GTT300.301	Sugador de solda	-	√
GTT300.005	Lanterna manual, corpo em alumínio, 6 LEDS, 3AAA (pilhas não incluso)	-	√
GTT300.012	Arco de serra profissional com lâmina de 12"	-	√
FLK-1AC-A2-II	Detector de tensão AC sem contato, range entre 90 V AC até 1000 V AC, 45 Hz até 405 Hz, CAT IV-1000V	-	√
FLUKE-325	Alicate Amperímetro digital, TRUE-RMS, corrente AC/DC até 400A, 600V, CAT III - 600V.	-	√
GT-J6	Alicate de crimpar terminais pré-isolados com matriz 0.5- 1,1-2.5, 2.6-6mm ²	-	√
GTH-10	Alicate de crimpar terminais isolados e não isolados com matriz 0.75-10mm ²	-	√
GTSX-80010	Decapador de fio amplitude de: 0,75 / 1 / 1,5 / 2,5 / 4/6 mm	-	√

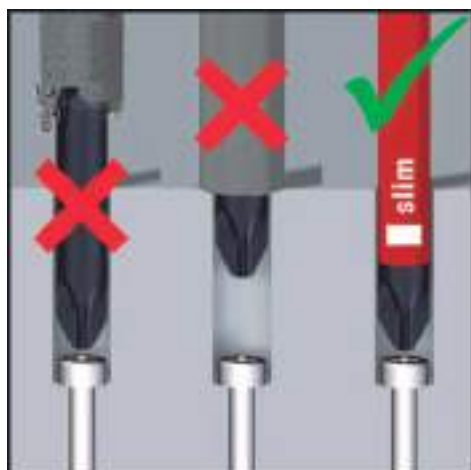
NR-10 POR EXCELÊNCIA

Ferramentas Isoladas 1000V VDE (NR10) WIHA SlimLine Technology

A tecnologia SlimLine proporciona diâmetro da haste reduzida em até 33% através da isolação inte grada. atra vés da isolação inte grada.



- - Tecnologia Wiha Slim - Proporciona diâmetro da haste até 33% mais fino através da isolação inte grada;
- - Aço Cromo Vanádio Extra, de alta durabilidade e robustez;
- - Ergonomia Advanced, com cabos anatômicos e peso reduzido, proporcionando um torque maior, com menos esforço e maior conforto;
- - Inovação, desenvolvendo ferramentas para aplicações específicas e de difícil acesso;
- - Certificação de conformidade das principais Normas Internacionais: (EN/IEC 60900, ASTM F-1505-10, VDE 0682/ parte 201, NFPA 70E e CSA);
- - Reduz consideravelmente ou elimina a reprovação visual por danos na isolação das chaves de fenda ou philips;
- - Amplo portfólio de chaves, tais como: Fenda, Philips, Quadrada, Torx, Xeno, Pozidriv e Hexagonal;
- - Made in Germany.



GTRO5008-SLIM LINE - Conjunto de ferramentas isoladas SLIM LINE 1000 VAC/1500 VDC com 11 peças



GT5001	Mochila em nylon 900 de alta resistência reforçada com estrutura em PVC, alça de mão e alças acolchoadas para as costas, bolso frontal com fita refletiva, compartimentos para ferramentas, zíper com fecho para cadeado (cadeado opcional) e bandeja interna removível. Dim. (LxAxP) 34x41x15 cm.
32818	Alicate universal, 8" (200mm), linha PRIME POWER, isolado 1000V, certificada EN60900 VDE GS
32832	Alicate de corte diagonal Standard, 6" (160mm), linha PRIME POWER, isolado 1000V, certificada EN60900 VDE GS
32806	Alicate bico meia cana reto com cortador, 6" (160mm), linha PRIME POWER, isolado 1000V, certificada EN60900 VDE GS
76210	Chave inglesa Standard com ajuste central 10" (250mm), abertura 29mm, linha PRIME POWER, isolado 1000V, certificada EN60900
15003	Faca Reta Com Cabo, Lâmina De 50mm - 216mm
32046	Chave Fenda SLIMLINE 3,5x100 mm isolada 1000V VDE
32052	Chave Fenda SLIMLINE 4,5x125 mm isolada 1000V VDE
32055	Chave Fenda SLIMLINE 5,5x125 mm isolada 1000V VDE
32058	Chave Fenda SLIMLINE 6,5x150 mm isolada 1000V VDE
32145	Chave Phillips SLIMLINE PH1 isolada 1000V VDE
32146	Chave Phillips SLIMLINE PH2 isolada 1000V VDE



Tecnologia:
Slim Line

GTRO1008-SLIM LINE - Conjunto de ferramentas isoladas SLIM LINE 1000 VAC/1500 VDC com 11 peças

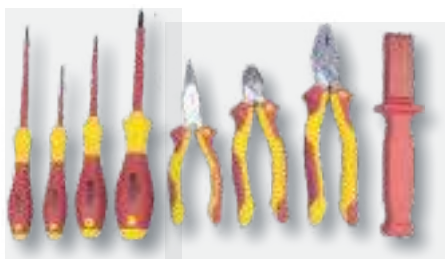


GT1001	Bolsa em nylon de alta resistência para instrumentos e ferramentas. Dim. (LxAxP): 34x30x22 cm
32818	Alicate universal, 8" (200mm), linha PRIME POWER, isolado 1000V, certificada EN60900 VDE GS
32832	Alicate de corte diagonal Standard, 6" (160mm), linha PRIME POWER, isolado 1000V, certificada EN60900 VDE GS
32806	Alicate bico meia cana reto com cortador, 6" (160mm), linha PRIME POWER, isolado 1000V, certificada EN60900 VDE GS
76210	Chave inglesa Standard com ajuste central 10" (250mm), abertura 29mm, linha PRIME POWER, isolado 1000V, certificada EN60900 VDE GS.
15003	Faca Reta Com Cabo, Lâmina De 50mm - 216mm
32046	Chave Fenda SLIMLINE 3,5x100 mm isolada 1000V VDE
32052	Chave Fenda SLIMLINE 4,5x125 mm isolada 1000V VDE
32055	Chave Fenda SLIMLINE 5,5x125 mm isolada 1000V VDE
32058	Chave Fenda SLIMLINE 6,5x150 mm isolada 1000V VDE
32145	Chave Phillips SLIMLINE PH1 isolada 1000V VDE
32146	Chave Phillips SLIMLINE PH2 isolada 1000V VDE



Tecnologia:
Slim Line

GTRO2510 - Conjunto de ferramentas Isoladas 1000V VDE com 8 peças



GT25	Estojo de acondicionamento, proteção e transporte. Material em courvin sintético, forração interna acolchoada, bolso interno para pontas de prova e acessórios, alça passante para cinto. Acondiciona todos os multímetros da Fluke série 110, 170, 80, 280 e 780 e calibradores 70X e 72X. Fabricação Nacional. Peso:180g. Carga Máxima:1kg. Dim. (LxAxP): 25cm x 12cm x 6cm
32818	Alicate universal, 8" (200mm), linha PRIME POWER, isolado 1000V, certificada EN60900 VDE GS
32832	Alicate de corte diagonal Standard, 6" (160mm), linha PRIME POWER, isolado 1000V, certificada EN60900 VDE GS
32806	Alicate bico meia cana reto com cortador, 6" (160mm), linha PRIME POWER, isolado 1000V, certificada EN60900 VDE GS
32012	Chave Chave de fenda 3x100 mm, isolada 1000V, certificada EN60900 VDE GS
32031	Chave de fenda 5.5x125 mm, isolada 1000V, certificada EN60900 VDE GS
32100	Chave Phillips PH0x60 mm, isolada 1000V, certificada EN60900 VDE GS
32101	Chave Phillips PH1x80 mm, isolada 1000V, certificada EN60900 VDE GS
15003	Faca reta lâmina reta com proteção, isolada 1000V, certificada EN60900 VDE GS

GTRO2507 - Conjunto de ferramentas Isoladas 1000V VDE com 7 peças



GT25	Estojo de acondicionamento, proteção e transporte. Material em courvin sintético, forração interna acolchoada, bolso interno para pontas de prova e acessórios, alça passante para cinto. Acondiciona todos os multímetros da Fluke série 110, 170, 80, 280 e 780 e calibradores 70X e 72X. Fabricação Nacional. Peso:180g. Carga Máxima:1kg. Dim. (LxAxP): 25cm x 12cm x 6cm
32818	Alicate universal, 8" (200mm), linha PRIME POWER, isolado 1000V, certificada EN60900 VDE GS
32832	Alicate de corte diagonal Standard, 6" (160mm), linha PRIME POWER, isolado 1000V, certificada EN60900 VDE GS
32012	Chave Chave de fenda 3x100 mm, isolada 1000V, certificada EN60900 VDE GS
32031	Chave de fenda 5.5x125 mm, isolada 1000V, certificada EN60900 VDE GS
32100	Chave Phillips PH0x60 mm, isolada 1000V, certificada EN60900 VDE GS
32101	Chave Phillips PH1x80 mm, isolada 1000V, certificada EN60900 VDE GS
15003	Faca reta lâmina reta com proteção, isolada 1000V, certificada EN60900 VDE GS

GTRO2506 - Conjunto de ferramentas Isoladas 1000V VDE com 7 peças



GT25	Estojo de acondicionamento, proteção e transporte. Material em courvin sintético, forração interna acolchoada, bolso interno para pontas de prova e acessórios, alça passante para cinto. Acondiciona todos os multímetros da Fluke série 110, 170, 80, 280 e 780 e calibradores 70X e 72X. Fabricação Nacional. Peso:180g. Carga Máxima:1kg. Dim. (LxAxP): 25cm x 12cm x 6cm
32818	Alicate universal, 8" (200mm), linha PRIME POWER, isolado 1000V, certificada EN60900 VDE GS
32832	Alicate de corte diagonal Standard, 6" (160mm), linha PRIME POWER, isolado 1000V, certificada EN60900 VDE GS
32806	Alicate bico meia cana reto com cortador, 6" (160mm), linha PRIME POWER, isolado 1000V, certificada EN60900 VDE GS
32012	Chave Chave de fenda 3x100 mm, isolada 1000V, certificada EN60900 VDE GS
32031	Chave de fenda 5.5x125 mm, isolada 1000V, certificada EN60900 VDE GS
32100	Chave Phillips PH0x60 mm, isolada 1000V, certificada EN60900 VDE GS
32101	Chave Phillips PH1x80 mm, isolada 1000V, certificada EN60900 VDE GS

GTRO2505 - Conjunto de ferramentas Isoladas 1000V VDE com 6 peças



GT25	Estojo de acondicionamento, proteção e transporte. Material em courvin sintético, forração interna acolchoada, bolso interno para pontas de prova e acessórios, alça passante para cinto. Acondiciona todos os multímetros da Fluke série 110, 170, 80, 280 e 780 e calibradores 70X e 72X. Fabricação Nacional. Peso:180g. Carga Máxima:1kg. Dim. (LxAxP): 25cm x 12cm x 6cm
32818	Alicate universal, 8" (200mm), linha PRIME POWER, isolado 1000V, certificada EN60900 VDE GS
32832	Alicate de corte diagonal Standard, 6" (160mm), linha PRIME POWER, isolado 1000V, certificada EN60900 VDE GS
32012	Chave Chave de fenda 3x100 mm, isolada 1000V, certificada EN60900 VDE GS
32031	Chave de fenda 5.5x125 mm, isolada 1000V, certificada EN60900 VDE GS
32100	Chave Phillips PH0x60 mm, isolada 1000V, certificada EN60900 VDE GS
32101	Chave Phillips PH1x80 mm, isolada 1000V, certificada EN60900 VDE GS

GTRO2503 - Conjunto de ferramentas Isoladas 1000V VDE com 3 peças



Malas / Mochilas e acessórios

Imagem	Descrição	Cod. Ref.
	Bolsa em nylon fio 900 de alta resistência, com elásticos para o adequado acondicionamento de ferramentas e instrumentos de medição. Dimensões (LxAxP) Compartimento Principal: 34 x 30 x 15 cm. Bolso Frontal: 32 x 21 x 07 cm Peso: 700g	GT1001
	Mochila em nylon fio 900 de alta resistência com compartimentos para ferramentas e instrumentos, com bandeja interna removível, zíperes com cursor duplo e anel para fechamento com cadeado (cadeado opcional); Reforço com estrutura em PVC; Dimensões (LxAxP) Compartimento Principal: 34 x 42 x 13 cm. Bolso Frontal: 34 x 25 x 04 cm Peso: 2,300 Kg	GT5001
	Bolsa em nylon e exclusiva divisória "Hands Free" (mãos livres para praticidade em medições), para técnicos eletricitas atuantes em áreas de baixa tensão 1000 VAC/1500 VDC (NR-10).	GT1002
	Mochila em nylon 900 de alta resistência reforçada com estrutura em PVC, alça de mão e alças acolchoadas com regulagem para as costas, e bolso porta alças, bolso frontal com fita refletiva, compartimentos para ferramentas, zíper com fecho para cadeado (cadeado opcional), bandeja interna removível, carrinho com alça retrátil e base extensível para apoio. Compartimento Principal: (LxAxP) 34x50x13 cm. Bolso Frontal: (LxAxP) 34 x 29 x 4cm. Peso: 3,600 kg.	GT7001
	Mala para acondicionamento de equipamentos, IP67, altamente resistente a impacto, corrosão, poeira e água (estanques). Inclusos: 1 placa de espuma tipo casca de ovo na tampa, 2 placas de espuma micro serrilhada para modelagem de compartimentos, e 1 placa de espuma na base. Alça retrátil e rodízios embutidos no corpo da maleta. 2 posições para cadeados. Dimensões (LxAxP): Externa: 55,9 x 35,1 x 22,9cm Interna: 50,1 x 27,9 x 19,3cm Peso: 6,17 kg	GTPL3001
	Mala para acondicionamento de equipamentos, IP67, altamente resistente a impacto, corrosão, poeira e água (estanques). Inclusos: 1 placa de espuma tipo casca de ovo na tampa, 2 placas de espuma micro serrilhada para modelagem de compartimentos, e 1 placa de espuma na base. Alça retrátil e rodízios embutidos no corpo da maleta. 2 posições para cadeados. Dimensões (LxAxP): Externa: 56,0 x 45,5 x 26,5 cm Interna: 51,7 x 39,2 x 22,9 cm Peso: 7,8 kg	GTPL4001
	Alicate amperímetro Digital AC/DC True RMS Range de corrente: 1000A AC/DC, 2500A AC (Ponta I-flex) Range de Tensão: 1000V AC/DC. Range de Resistencia: 60 kΩ Capacitância e Frequência Capacidade: 750 MCM ou 2-500 MCM CAT III 1000 V/ CAT IV 600 V	FLUKE-376 FC
	Detector de tensão AC sem contato, Luz vermelha na presença de tensão 90 V AC a 1000 V AC. Botão de "Verificação das pilhas CAT IV 1000V	FLK-1AC-A2-II
	Lanterna 3 LEDs de super brilho Clip Giratório de 360° Fixador especial de capacetes incluído! Resistente à água Moldura com proteção de borracha Inclui colar para o capacete	FLUKE-L206

GTRE12042-B – Ferramenta de compressão Elétro-hidráulica a bateria (LÍTIU) até 400mm² com 13 matrizes – GETROTECH



O GTRE12042-B é uma ferramenta para prensar terminais e luvas de Cu/Al para cabo de 300 / 400mm².

Um sistema hidráulico de alta pressão faz com que seja uma ferramenta perfeita para ser usada no canteiro de obras elétrico.

01	Crimpador Eletro-hidráulico;
01	Jogo de Matrizes de crimpagem: 10, 16, 25, 35, 50, 70, 95, 120,150, 185, 240, 300 e 400 mm ²
02	Baterias de Lítio 18V 3Ah recarregáveis (Makita BL1830);
01	Carregador de baterias Bivolt automático 110/220 V;
01	Mala rígida de acondicionamento e transporte;
01	Manual de instruções em Português;
01	Certificado de Qualidade.

GTRE120UNV-B – Ferramenta Multifuncional Eletro-Hidráulica a bateria (LÍTIU), para Crimpar, Perfurar, Cortar e Cisar com 13 matrizes – GETROTECH



O GTRE120UNV-B é uma ferramenta a bateria utilizada para crimpar, cortar, perfurar e cisar, aplicados a conectores, cabos elétricos, painéis e porcas. Um sistema eletro-hidráulico de alta pressão faz com que seja uma ferramenta perfeita para ser usada no canteiro de obras com cabos e painéis elétricos.

01	Ferramenta Multifuncional Eletro-Hidráulica;
01	Cabeça de Crimpagem cap. máx. 400 mm ² ;
01	Cabeça de Corte cap. máx. 44 mm;
01	Cabeça de Perfuração, cap. máx. 6 mm (Chapa de Aço), 6,5 mm (Barramento);
01	Cabeça de Cisão de Porcas, cap. máx. porcas de 36 mm;
01	Jogo de Matrizes de crimpagem: 10, 16, 25, 35, 50, 70, 95, 120, 150, 185, 240, 300 e 400 mm ²
02	Baterias de Lítio 18V 3Ah recarregáveis (Makita BL1830B);
01	Carregador de baterias Bivolt automático 110/220 V;
01	Mala rígida de acondicionamento e transporte;
01	Manual de instruções em Português;
01	Certificado de Qualidade.

** Material fornecido em 02 cases: um case plástico para máquina, matrizes, baterias e carregador, e um case metálico para as cabeças e acessórios

GTREC55-B – Corta Cabos Eletro-Hidraulico 12 ton (700 bar) Diam. até 55 mm (Cu/Al/ACSR) / 22mm (Barra de Aço), a Bateria (Lítio) - GETROTECH



O GTREC55-B é uma ferramenta a bateria para corte de cabos elétricos de até 55 mm e barras de aço até 22 mm. Um sistema Eletro-hidráulico de alta pressão faz com que seja uma ferramenta perfeita para ser usada no canteiro de obras com cabos e painéis elétricos.

1	Cortador Eletro-hidráulico c/ lâmina para corte de cabos até 55
2	Baterias de Lítio 18V 3Ah recarregáveis (Makita BL1830B)
1	Carregador de baterias Bivolt automático 110/220 V
1	Mala rígida de acondicionamento e transporte
1	Manual de instruções em Português
1	Certificado de Qualidade

GTRH12042 – Alicates de compressão hidráulica manual até 400 mm² c/ 13 matrizes – GETROTECH



O GTRH12042 é uma ferramenta hidráulica de compressão possui um grande número de matrizes disponíveis para prensar principalmente cobre e alumínio.

01	Crimpador hidráulico Manual;
01	Cabeça de Crimpagem cap. máx. 400 mm ² ;
01	Jogo de Matrizes de crimpagem: 10, 16, 25, 35, 50, 70, 95, 120, 150, 185, 240, 300 e 400 mm ²
01	Mala rígida de acondicionamento e transporte;
01	Manual de instruções em Português;
01	Certificado de Qualidade

GTRHC55 – Corta cabos Hidráulico, 12 ton (700 bar) DIAM. ATÉ 55 mm (Cu/Al/ACSR) / 22mm (Barra de Aço) – GETROTECH



O GTRHC55 é uma ferramenta hidráulica manual para corte de cabos elétricos de até 55 mm e barras de aço até 22 mm.

Um sistema hidráulico de alta pressão faz com que seja uma ferramenta perfeita

1	Cortador hidráulico manual c/ lâmina para corte de Cabos até 55 mm e barras de aço até 22 mm;
1	Mala rígida de acondicionamento e transporte;
1	Manual de instruções em português
1	Certificado de Qualidade.

GTC-13 - Alicates corte c/ catraca para cabos ACSR (alumínio c/alma de aço) - GETROTECH



Cortador de cabo é usado para cortar cabos ACSR de 720mm² máximo e fios de aço de 15mm² máximo. Punhos emborrachados para proporcionar maior conforto do usuário.

Cutting Range	ACSR 720MM ² max. e fios de aço 150mm ² máx.
Comprimento fechado	340mm
Comprimento	500mm
Peso	1.2kg
Embalagem	Cartão blister

GTJ-40A - Alicates corta-cabos Cu / Al com catraca capacidade de corte até 300 mm² - GETROTECH



Alicates de corte com catraca para cabos de cobre e alumínio de 300mm². Operação com uma mão, usando o princípio da catraca

Tipo	Alicates de corte com catraca
Faixa de crimpagem	300mm ²
Comprimento	245mm
Peso	aprox. 0.96kg
Embalagem	Cartão blister

GTH-10 - Alicates de crimpagem de terminais ilhós / tubulares isolados e não isolados matriz 0.75-10mm² - GETROTECH



Ferramenta Profissional para crimpagem de terminais tubular. Alicates com catraca, crimpagem quádrupla de 0,25 à 10mm², com matriz 0.5-1, 1.1-2.5, 2.6-6mm²

Tipo de crimpagem:	crimpagem quádrupla
Faixa de crimpagem	0.25 à 10mm ²
Comprimento	240mm
Peso	aprox. 0.59kg
Embalagem	Cartão blister

GT-J6 - Alicates de crimpagem de terminais pré-isolados com matriz 0.5-1, 1.1-2.5, 2.6-6mm² - GETROTECH



Alicates de crimpagem para terminal e conector pré-isolado. Amplamente utilizado em energia elétrica, aço, petroquímica, mineração, ferrovias, rodovias, oleodutos, resgate marítimo, etc.

Tipo de crimpagem:	crimpagem quádrupla
Faixa de crimpagem	0,5-6mm ²
Comprimento	250mm
Peso	aprox. 0.59kg
Embalagem	Cartão blister

GTC-6 – Alicates crimpador com ajuste automático para terminais tubulares / ilhós de 0,25 a 6mm²- GETROTECH



Alicates de crimpagem uma ferramenta de alta qualidade, leve e prática, auto ajustável, utilizada especialmente para crimpagem de terminais tubulares.

Ferramenta usada para crimpagem de terminais tubulares e luvas pré-isoladas de 0,5 a 6mm².

Comprimento:	175mm
Faixa de crimpagem	0,25 à 6mm
Comprimento	500mm
Peso	1.2kg
Embalagem	Cartão blister

VENDAS TÉCNICAS CONSULTIVAS

Atuamos em todo território Nacional, com venda de produtos e serviços destinados as áreas de engenharia, qualidade, produção, manutenção, assistência técnica, auditoria e consultoria.

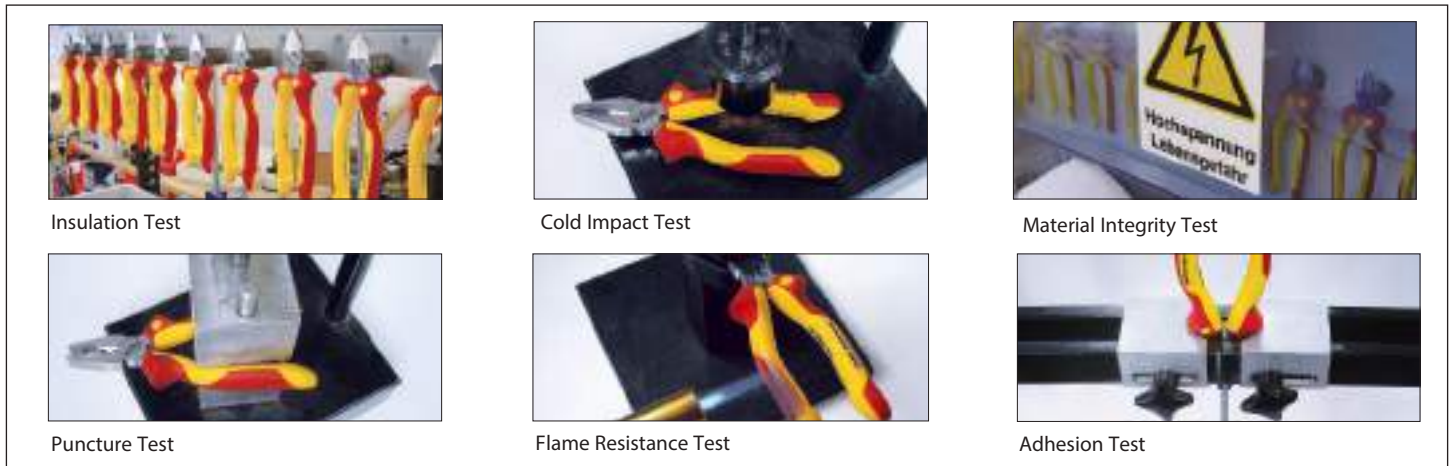
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- Desenvolvimento de aplicação
- Start up de processos de teste e medição
- Seminários técnicos
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32145	22	32521	28	32923	40	75215	14		
32146	22	32526	28	32926	40	75220	14		
32188	26	32531	28	32927	40	75302	14		
32189	23	32536	28	32928	41	75304	14		
32190	26	32541	28	32929	40	76208	7		
32192	26	32546	28	32930	41	76210	7		
32194	23	32551	28	32933	40	76212	7		
32195	22	32556	28	32934	44	76215	7		
32196	23	32561	28	32935	44	76290	7		
32197	22	32590	28	32936	41	GTRO1020	46		
32198	22	32592	28	32937	45	GTRO1010	47		
32199	29	32596	23	32938	40	GTRO1015	48		
32206	27	32800	31	32939	40	GTRO5010	49		
32209	27	32801	31	32941	41	GTRO5020	50		
32212	27	32804	37	32942	41	GTRO7010	51		
32215	27	32806	37	32944	41	GTRO3000	52		
32218	27	32807	37	32945	41	GTRO3010	53		
32221	27	32808	37	32947	41	GTRO3020	53		
32224	27	32810	37	32948	41	SLIMLINE	54		
32227	27	32814	36	32951	39	GTRO5008	55		
32230	27	32816	36	32954	39	GTRO1008	55		
32233	27	32818	36	32956	39	GTRO2510	56		
32236	27	32820	36	32960	43	GTRO2507	56		
32238	27	32821	36	32968	44	GTRO2506	57		
32239	27	32826	36	32973	42	GTRO2505	57		
32240	27	32828	36	32977	42	GTRO2503	57		
32241	27	32830	37	32981	41	GT1001	58		
32255	27	32831	36	32983	42	GT5001	58		
32258	27	32832	37	32984	42	GT1002	58		
32261	27	32833	38	32985	42	GT7001	58		
32264	27	32834	37	32986	43	GTPL3001	58		
32267	27	32835	37	32987	43	GTPL4001	58		



Insulation Test

Cold Impact Test

Material Integrity Test

Puncture Test

Flame Resistance Test

Adhesion Test



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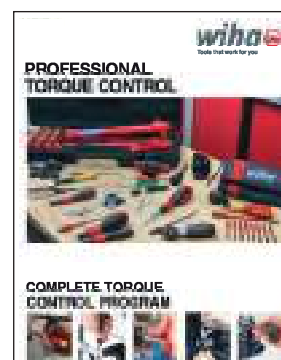
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