

Complete ESD Safe Program

For working on
static sensitive
electronic
components!



Static Dissipative

Professional ESD Safe Tools





What is ESD?

Basic Concepts in Electrostatic Discharge (ESD)

We have all seen static electricity in the form of lightning or perhaps felt the zap when reaching for a door knob. Similar types of electrical charges can have an effect on the electronic components you handle every day in your work. Unfortunately, their effect is much more hazardous and not as readily apparent.

Definition

Static electricity is an electrical charge at rest. Static electricity is most commonly created by friction and separation. Friction causes heat which excites the molecular particles of the material. When two materials are then separated, a transfer of electrons from one material to the other may take place.

As electrons transfer, the absence or surplus of electrons creates an electrical field known as static electricity. The simple separation of two materials, as when tape is pulled off a roll, can also create this same transfer of electrons between materials, generating static electrical fields.

The amount of static electricity generated depends upon the materials subjected to friction or separation, the amount of friction or separation and the relative humidity of the environment. Common plastic generally will create the greatest static charge. Low humidity conditions such as those created when air is heated during the winter will also promote the generation of significant static electrical charges.

Materials that easily transfer electrons (or charge) between atoms are called conductors and are said to have "free" electrons. Some examples of conductors are metals, carbon and the human body's sweat layer. Materials that do not easily transfer electrons are called insulators. Some well known insulators are common plastics, glass and air. Both conductors and insulators may become "charged" with static electricity. When a conductor is charged, the free electrons give it the ability to discharge rapidly when it comes close to another conductor with a different potential.

Typical Electrostatic Voltages

Many of the common activities you perform daily may generate charges on your body that are potentially harmful to components.

Some of these activities include:

- Walking across a carpet, 1,500 to 35,000 volts
- Walking over untreated vinyl floor, 250 to 12,000 volts
- Worker at a bench, 700 to 6,000 volts
- Vinyl envelope used for work instructions, 600 to 7,000 volts
- Picking up a common plastic bag from a bench, 1,200 to 20,000 volts

Costly Effects of ESD

When you feel a static shock, you are experiencing a minimum of 3,000 volts of electricity.

This "shock" known as Electro Static Discharge or ESD also may be responsible for damaging many of the rejected electronic components in your company.

While you can feel electrostatic discharges of 3,000 volts, smaller charges are below the threshold of human sensation. Unfortunately, smaller charges can and do damage semiconductor devices. Many of the CMOS technology components used in your facility can be damaged by charges of less than 1,000 volts. Some of the more sophisticated components can be damaged by charges as low as 10 volts. You should be aware of the relative sensitivity to ESD damage of devices you may be working with.

As electronic technology advances, electronic components tend to become smaller and smaller. As the size of the components is reduced, so is the microscopic spacing of insulators and circuits within them, increasing their sensitivity to ESD. As you can predict, the need of proper ESD protection increases everyday.

Types of ESD Damage

This Article courtesy of Desco Industries, Inc

Static damage to components can take the form of upset failures or catastrophic failures.

- Upset failures - result in gate leakage
- Catastrophic failures - occur in two forms, Direct and Latent

Direct catastrophic failures occur when a component is damaged to the point where it is DEAD NOW and it will never again function. This is the easiest type of ESD damage to find since it usually can be detected during testing.

Latent failures occur when ESD weakens or wounds the component to the point where it will still function properly during testing, but over time the wounded component will cause poor system performance and eventually complete system failure. Because latent failures occur after final inspection or in the hands of your customer, the cost for repair is very high. Not only is this type of damage hard to find, but it severely affects the reputation of your company's product.

An upset failure occurs when an electrostatic discharge has caused a current flow that is not significant enough to cause total failure, but in use may intermittently result in gate leakage causing loss of software or incorrect storage of information.

Upset or latent failures may pass your company's quality control testing program. In other words, static damage may occur that cannot be felt, seen, or detected through normal testing procedures.

Think of Static As Contamination!



Damage caused by invisible and undetectable events can be understood by comparing ESD damage to medical contamination of the human body by viruses or bacteria. Although viruses and bacteria are invisible, they can cause severe damage even before you can detect their presence. A defense against this invisible threat is sterilization.

As an employee, the hidden threat of electrostatic discharge or ESD should be of great concern to you. ESD damage can significantly reduce your company's profitability. This may affect your profit sharing, your company's ability to compete in the market place and even your employment. Everyone likes to take pride in their work, but without proper ESD controls, your best efforts may be destroyed by static electricity that you can neither feel nor see.

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Precision ESD Safe Dissipative Drivers

Wiha Precision ESD Static Dissipative Screwdrivers meet the requirements for tools used in static sensitive areas.



Rotating cap for precise turning & control with fingertip

Molded Precision handle of impact resistant dissipative material

Tapered handle allows rapid rotation

Blade, CVM steel, hardened, hard chrome finish

Tip, precision ground for exact fit, Wiha Chromtop finish

ESD Standard IEC 61340-5-1

Surface resistance of handles is 10⁶ - 10⁹ Ohms



272 Slotted Screwdriver, With Precision ESD Safe Dissipative

Handle Blade high alloy chrome-vanadium-molybdenum steel. Hard chrome finished. Handle manufactured from impact resistant, dissipative material. ESD standard IEC 61340-5-1

Item No.	mm	Inch	mm	Inch	mm	Inch	mm	Inch	lbs.	pkg.
27208	.8	1/32	40	1.6	0.16	.01	120	4.7	.02	10
27210	1.0	.039	40	1.6	0.18	.01	120	4.7	.02	10
27212	1.2	3/64	40	1.6	0.20	.01	120	4.7	.02	10
27215	1.5	1/16	40	1.6	0.25	.01	120	4.7	.02	10
27220	2.0	5/64	40	1.6	0.40	.02	120	4.7	.02	10
27222	2.0	5/64	75	3.0	0.40	.02	155	6.1	.03	10
27223	2.0	5/64	100	3.9	0.40	.02	180	7.1	.03	10
27224	2.0	5/64	150	5.9	0.40	.02	260	10.2	.04	10
27225	2.5	3/32	50	2.0	0.40	.02	145	5.7	.04	10
27227	2.5	3/32	100	3.9	0.40	.02	195	7.7	.03	10
27228	2.5	3/32	150	5.9	0.40	.02	245	9.6	.04	10
27230	3.0	1/8	50	2.0	0.50	.02	145	5.7	.04	10
27232	3.0	1/8	100	3.9	0.50	.02	210	8.3	.04	10
27234	3.0	1/8	150	5.9	0.50	.02	260	10.2	.05	10
27235	3.5	9/64	60	2.4	0.60	.02	170	6.7	.06	10
27237	3.5	9/64	100	3.9	0.60	.02	210	8.3	.06	10
27238	3.5	9/64	150	5.9	0.60	.02	260	10.2	.06	10
27240	4.0	5/32	60	2.4	0.80	.03	170	6.7	.06	10
27242	4.0	5/32	100	3.9	0.80	.03	210	8.3	.06	10
27243	4.0	5/32	150	5.9	0.80	.03	260	10.2	.07	10

*Metric dimensions actual - Inch dimensions approximate



D



27290 Set 8 Pcs. Slotted Precision ESD Safe Dissipative Handle

Blade CVM steel, hardened, hard chrome. Handle impact resistant, dissipative material. In storage pouch. ESD standard IEC 61340-5-1

Item No.	mm	mm	mm	mm	lbs.		
27290	27208	.8	40	27220	2.0	40	.54
	27210	1.0	40	27225	2.5	50	
	27212	1.2	40	27230	3.0	50	
	27215	1.5	40	27235	3.5	60	



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27390 Set 7 Pcs. Slotted & Phillips Precision ESD Safe

Dissipative Handle Blade high alloy CVM steel, hardened, hard chrome. Handle manufactured from impact resistant, dissipative material. ESD standard IEC 61340-5-1

Item No.	mm	mm	Size	mm	lbs.		
27390	27215	1.5	40	27305	00	40	.30
	27220	2.0	40	27310	0	50	
	27225	2.5	50	27320	1	60	
	27235	3.5	60				

Precision ESD Safe Slotted/Phillips Drivers

Surface resistance of handles is 10⁶ - 10⁹ Ohms



273 **Phillips Screwdriver, With Precision ESD Safe Dissipative Handle** Blade high alloy chrome-vanadium-molybdenum steel. Hard chrome finished. Handle manufactured from impact resistant, dissipative material. ESD standard IEC 61340-5-1

Item No.	+	+	+	+	+	+	+	+	
	Size	mm	Inch	mm	Inch	mm	Inch	lbs.	pkg.
27302	000	40	1.6	2.0	.08	120	4.7	.02	10
27305	00	40	1.6	2.0	.08	120	4.7	.02	10
27307	00	75	3.0	2.0	.08	155	6.1	.02	10
27310	0	50	2.0	3.0	.12	145	5.7	.04	10
27312	0	75	3.0	3.0	.12	170	6.7	.03	10
27314	0	100	3.9	3.0	.12	195	7.6	.05	10
27316	0	150	5.9	3.0	.12	245	9.6	.06	10
27320	1	60	2.3	4.0	.16	170	6.7	.06	10
27322	1	75	3.0	4.0	.16	155	6.1	.06	10
27324	1	100	3.9	4.0	.16	210	8.2	.06	10
27326	1	150	5.9	4.0	.16	260	10.2	.07	10

*Metric dimensions actual - Inch dimensions approximate



27393 **Set 7 Pcs. Extra Long Slotted/Phillips Precision ESD Safe Dissipative Handle** Blade CVM steel, hardened, hard chromed. Handle impact resistant, dissipative material. ESD standard IEC 61340-5-1

Item No.	+	+	+	+	+	+
	Size	mm	mm	Size	mm	lbs.
27393	27224	2.0	150	27316	0	.50
	27228	2.5	150	27326	1	
	27234	3.0	150			
	27238	3.5	150			
	27243	4.0	150			



27399 **Set 8 Pcs. Slotted & Phillips Precision ESD Safe Dissipative Handle** Blade high alloy CVM steel, hardened, hard chromed. Handle manufactured from impact resistant, dissipative material. In storage pouch. ESD standard IEC 61340-5-1

Item No.	+	+	+	+	+	+
	Size	mm	mm	Size	mm	lbs.
27399	27215	1.5	40	27302	000	.50
	27220	2.0	40	27305	00	
	27225	2.5	50	27310	0	
	27230	3.0	50	27320	1	



91118 **Rugged Polyester Canvas Storage Pouch** Holds 8 Precision Tools up to 170mm in length. Folding pouch. Has security flaps and velcro closer.

Item No.	Size	lbs.	pkg.
91118	14 1/2" W x 7 3/4" L	.13	1

Precision ESD Safe TORX® Drivers

Surface resistance of handles is 10⁶ - 10⁹ Ohms



278 TORX® Screwdriver, With Precision ESD Safe Dissipative

Handle Blade high alloy CVM steel. Hard chrome finished. Handle impact resistant, dissipative material. ESD standard IEC 61340-5-1

Item	☼	☼	☼	☼	☼	☼	☼
No.	Size	mm	Inch	mm	Inch	lbs.	pkg.
27801	T1	40	1.6	120	4.7	.03	10
27802	T2	40	1.6	120	4.7	.03	10
27803	T3	40	1.6	120	4.7	.03	10
27804	T4	40	1.6	120	4.7	.03	10
27805	T5	40	1.6	120	4.7	.03	10
27811	T6	40	1.6	120	4.7	.03	10
27817	T7	40	1.6	120	4.7	.03	10
27823	T8	40	1.6	120	4.7	.03	10
27829	T9	50	2.0	145	5.7	.04	10
27835	T10	50	2.0	145	5.7	.04	10
27841	T15	60	2.4	170	6.7	.07	10
27847	T20	60	2.4	170	6.7	.07	10

*Metric dimensions actual - Inch dimensions approximate



ESD standard
IEC 61340-5-1



27890 Set 7 Pcs. TORX® Precision ESD Safe Dissipative Handle

Blade high alloy CVM steel, hardened, hard chromed. Handle manufactured from impact resistant, dissipative material.

Item	☼	☼	☼	☼	☼	☼	
No.	Size	mm	Size	mm	lbs.		
27890	27804	T4	40	27823	T8	40	.31
	27805	T5	40	27829	T9	50	
	27811	T6	40	27835	T10	50	
	27817	T7	40				



ESD standard
IEC 61340-5-1



27899 Set 8 Pcs. TORX® Precision ESD Safe Dissipative Handle

Set In Pouch Blade high alloy CVM steel, hardened, hard chromed. Handle impact resistant, dissipative material.

Item	☼	☼	☼	☼	☼	☼	
No.	Size	mm	Size	mm	lbs.		
27899	27801	T1	40	27805	T5	40	.47
	27802	T2	40	27806	T6	40	
	27803	T3	40	27807	T7	40	
	27804	T4	40	27920	Chip Lifter		

Precision ESD Safe TORXPlus® Drivers

Surface resistance of handles is 10⁶ - 10⁹ Ohms



278 TORXPlus® Screwdriver, With Precision ESD Safe Dissipative

Handle Blade high alloy CVM steel, hardened, hard chromed. Handle impact resistant, dissipative material. ESD standard IEC 61340-5-1

Item	☼	☼	☼	☼	☼	☼	☼
No.	Size	mm	Inch	mm	Inch	lbs.	pkg.
27850	IP4	40	1.6	120	4.7	.03	10
27851	IP5	40	1.6	120	4.7	.03	10
27852	IP6	40	1.6	120	4.7	.03	10
27853	IP7	40	1.6	120	4.7	.03	10
27854	IP8	40	1.6	120	4.7	.03	10
27855	IP9	50	2.0	145	5.7	.04	10
27856	IP10	50	2.0	145	5.7	.04	10
27857	IP15	60	2.4	170	6.7	.07	10

*Metric dimensions actual - Inch dimensions approximate



ESD standard
IEC 61340-5-1



27894 Set 7 Pcs. TORXPlus® Precision ESD Safe Dissipative

Handle Blade high alloy CVM steel, hardened, hard chromed.

Item	☼	☼	☼	☼	☼	☼	
No.	Size	mm	Size	mm	lbs.		
27894	27851	IP5	40	27855	IP9	50	.27
	27852	IP6	40	27856	IP10	50	
	27853	IP7	40	27857	IP15	60	
	27854	IP8	40				

Wiha Precision ESD Safe Hex Drivers

Surface resistance of handles is 10⁶ - 10⁹ Ohms



275 Metric Hex Driver, With Precision ESD Safe Dissipative

Handle Blade high alloy chrome-vanadium-molybdenum steel. Hard chrome finished. Handle manufactured from impact resistant, dissipative material. ESD standard IEC 61340-5-1

Item							
No.	mm	mm	Inch	mm	Inch	lbs.	pkg.
27507	.71	40	1.6	120	4.7	.02	10
27509	.89	40	1.6	120	4.7	.02	10
27513	1.27	40	1.6	120	4.7	.03	10
27515	1.5	50	2.0	145	5.7	.03	10
27520	2.0	50	2.0	145	5.7	.04	10
27525	2.5	60	2.4	170	6.7	.05	10
27530	3.0	60	2.4	170	6.7	.05	10
27535	4.0	60	2.4	170	6.7	.05	10

*Metric dimensions actual - Inch dimensions approximate



275 Inch Hex Driver, With Precision ESD Safe Dissipative

Handle Blade high alloy chrome-vanadium-molybdenum steel. Hard chrome finished. Handle manufactured from impact resistant, dissipative material. ESD standard IEC 61340-5-1

Item							
No.	Inch	mm	Inch	mm	Inch	lbs.	pkg.
27505	.028	40	1.6	120	4.7	.02	10
27510	.035	40	1.6	120	4.7	.02	10
27513	.050	40	1.6	120	4.7	.02	10
27537	1/16	50	2.0	145	5.7	.03	10
27539	5/64	50	2.0	145	5.7	.03	10
27541	3/32	60	2.4	170	6.7	.04	10
27543	7/64	60	2.4	170	6.7	.04	10
27545	1/8	60	2.4	170	6.7	.04	10
27547	9/64	60	2.4	170	6.7	.05	10
27549	5/32	60	2.4	170	6.7	.05	10

*Metric dimensions actual - Inch dimensions approximate



ESD standard IEC 61340-5-1



27590 Set 8 Pcs. Hex Metric Precision ESD Safe Dissipative

Handle Blade CVM steel, hardened, hard chromed. Handle impact resistant, dissipative material. In storage pouch

Item							
No.	mm	mm	mm	mm	lbs.		
27590	27507	.71	40	27520	2.0	50	.53
	27509	.89	40	27525	2.5	60	
	27513	1.27	40	27530	3.0	60	
	27515	1.5	50	27535	4.0	60	



ESD standard IEC 61340-5-1



27591 Set 8 Pcs. Hex Inch Precision ESD Safe Dissipative

Handle Blade CVM steel, hardened, hard chromed. Handle impact resistant, dissipative material. In storage pouch

Item							
No.	Inch	Inch	Inch	Inch	lbs.		
27591	27513	.050	1.6	27543	7/64	2.4	.57
	27537	1/16	2.0	27545	1/8	2.4	
	27539	5/64	2.0	27547	9/64	2.4	
	27541	3/32	2.4	27549	5/32	2.4	



91118 Rugged Polyester Canvas Storage Pouch

Holds 8 Precision Tools up to 170mm in length. Folding pouch. Has security flaps and velcro closer.

Item			
No.	Size	lbs.	pkg.
91118	14 1/2" W x 7 3/4" L	.13	1











Wiha Precision ESD Safe Nut Drivers

Surface resistance of handles is 10⁶ - 10⁹ Ohms



277 Inch Nut Driver, With Precision ESD Safe Dissipative

Handle Blade high alloy chrome-vanadium-molybdenum steel. Hard chrome finished. Handle manufactured from impact resistant, dissipative material. ESD standard IEC 61340-5-1











Item No.										
	Inch	mm	Inch	mm	Inch	Inch	Inch	lbs.	pkg.	
27701	3/32	60	2.4	155	6.1	.16	.16	.04	10	
27703	7/64	60	2.4	155	6.1	.20	.20	.05	10	
27705	1/8	60	2.4	155	6.1	.20	.20	.05	10	
27707	9/64	60	2.4	155	6.1	.21	.24	.05	10	
27709	5/32	60	2.4	155	6.1	.22	.24	.05	10	
27711	3/16	60	2.4	155	6.1	.25	.28	.05	10	
27713	7/32	60	2.4	170	6.7	.30	.32	.06	10	
27715	1/4	60	2.4	170	6.7	.34	.36	.06	10	

*Metric dimensions actual - Inch dimensions approximate



277 Metric Nut Driver, With Precision ESD Safe Dissipative

Handle Blade high alloy chrome-vanadium-molybdenum steel. Hard chromed finished. Handle manufactured from impact resistant, dissipative material. ESD standard IEC 61340-5-1

Item No.										
	mm	mm	Inch	mm	Inch	Inch	Inch	lbs.	pkg.	
27720	1.5	60	2.4	140	5.5	2.5	3.0	.03	10	
27722	2.0	60	2.4	140	5.5	3.2	4.0	.04	10	
27725	2.5	60	2.4	140	5.5	4.0	4.0	.05	10	
27730	3.0	60	2.4	155	6.1	5.0	5.0	.06	10	
27735	3.5	60	2.4	155	6.1	5.3	6.0	.06	10	
27740	4.0	60	2.4	155	6.1	5.5	6.0	.06	10	
27745	4.5	60	2.4	155	6.1	6.2	7.0	.05	10	
27750	5.0	60	2.4	155	6.1	6.8	7.0	.06	10	
27755	5.5	60	2.4	170	6.7	7.6	8.0	.07	10	
27760	6.0	60	2.4	170	6.7	9.6	10.0	.06	10	

*Metric dimensions actual - Inch dimensions approximate











ESD standard IEC 61340-5-1



27791 Set 8 Pcs. Inch Nut Driver Precision ESD Safe Dissipative

Handle Blade CVM steel, hardened, hard chromed. Handle impact resistant, dissipative material. In storage pouch

Item No.								
	Inch	mm	Inch	mm	lbs.			
27791	27701	3/32	60	27709	5/32	60	.68	
	27703	7/64	60	27711	3/16	60		
	27705	1/8	60	27713	7/32	60		
	27707	9/64	60	27715	1/4	60		











ESD standard IEC 61340-5-1



27790 Set 8 Pcs. Metric Nut Driver Precision ESD Safe

Dissipative Handle Blade CVM steel, hardened, hard chromed. Handle impact resistant, dissipative material. In storage pouch

Item No.								
	mm	mm	mm	mm	lbs.			
27790	27720	1.5	60	27735	3.5	60	.63	
	27722	2.0	60	27740	4.0	60		
	27725	2.5	60	27750	5.0	60		
	27730	3.0	60	27755	5.5	60		

Wiha Precision ESD Safe Chip Lifter

Surface resistance of handles is 10⁶ - 10⁹ Ohms



27920 Precision Chip Lifter - ESD Safe

Blade CVM steel, hardened, corrosion resistant finish. Precision handle high quality plastic, Dissipative material.

Item	mm	mm	mm	mm	Inch	lbs.	pkg.
No.	1	3.5	50	145	5.7	.07	1
27920	ESD Safe dissipative handle						

ESD standard
IEC 61340-5-1

Surface
resistance of
handles is
10⁶ - 10⁹
Ohms

92092 Master Technicians Bench Top Set

Metal frame. Equipped with 50 precision ESD Safe screwdrivers.

Item No.	
92092	Slotted: .8, 1.0, 1.2, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0mm Phillips: #000, #00, #0, #1
	TORX : T1, T2, T3, T4, T5, T6, T7, T8, T9, T10, T15, T20
lbs. 2.25	Metric Hex: .71, .89, 1.27, 1.5, 2.0, 2.5, 3.0, 4.0mm Inch Hex: 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32"
	Metric Nut Drivers: 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5mm
	27920 Chip Lifter



91118 Rugged Polyester Canvas Storage Pouch

Holds 8 Precision Tools up to 170mm in length. Folding pouch. Has security flaps and velcro closer.

Item			
No.	Size	lbs.	pkg.
91118	14 1/2" W x 7 3/4" L	.13	1

Wiha Precision Ceramic

Free of contamination, suited for working in clean-rooms

Handles are anti-static
Blades antimagnetic

Rotating cap facilitates adjusting and holding of the tools

Blade
High thermic and electric insulation

Precision handle
high quality plastic, cadmium free

Surface resistance of handles is 10⁶ - 10⁹ Ohms



270 Ceramic Slotted Screwdriver, With Wiha-Precision Handle, Out of Anti-static Plastic

Blade special ceramic, antimagnetic, for correct adjusting in high frequency areas.

Item	mm	Inch	mm	Inch	mm	Inch	mm	Inch	lbs.	pkg.
No.										
27009	0.9	.035	15	.59	0.35	.01	94.5	3.7	.14	1
27013	1.3	.050	15	.59	0.35	.01	94.5	3.7	.14	1
27018	1.8	.071	15	.59	0.35	.02	94.5	3.7	.14	1
27026	2.6	.102	15	.59	0.35	.02	94.5	3.7	.14	1

*Metric dimensions actual - Inch dimensions approximate



27100 Ceramic Phillips Screwdriver, With Wiha-Precision Handle, Out of Anti-static Plastic

Blade special ceramic, antimagnetic, for correct adjusting in high frequency areas.

Item		mm	Inch	mm	Inch	lbs.	pkg.
No.	Size						
27100	0	15.0	.59	94.5	3.7	.14	1

*Metric dimensions actual - Inch dimensions approximate



27090 Ceramic Slotted/Phillips Screwdriver 3 Pc. Set, With Wiha-Precision Handle, Out of Anti-static Plastic

Blade special ceramic, antimagnetic, for correct adjusting in high frequency areas.

Item	mm	mm	Size	mm	lbs.	pkg.
No.						
27090	0.9	15	0	15	.28	1
	2.6	15				

Wiha SYSTEM 4 Precision Handles and Blades

Tips
Exact fit, precision machined

Blades
chrome-vanadium-molybdenum steel, hardened, hard chromed. On 4mm Hex shafts

Rotating Cap
for precise turning and control

Precision Handle
high quality plastic, ESD Safe or Standard styles

15mm ← Collet Lock Handle adjustable blade length from 15 to 95mm / .6" to 3.75" → 95mm

Tapered Handle
allows rapid rotation, requires less clearance

Surface resistance of handles is 10⁶ - 10⁹ Ohms

269 SYS 4 Metric Ball End & Standard Hex, Reversible Blade
CVM steel, hardened, hard chromed. Wiha vapor Chrome-Top finish on tips. One side hex, other side ballpoint hex.

Item	Hex	Hex	Hex	Inch	lbs.
26932	1.27 + 1.27	120	4.7	.05	
26933	1.5 + 1.5	120	4.7	.05	
26934	2.0 + 2.0	120	4.7	.06	
26935	2.5 + 2.5	120	4.7	.06	
26936	3.0 + 3.0	120	4.7	.06	
26937	4.0 + 4.0	120	4.7	.06	

28000 ESD Safe Dissipative Precision Handle with rotating control cap. Surface resistant 10⁶-10⁹ Ohms. 4 mm hex retainer for all SYSTEM 4 interchangeable blades. Tapered handle, high quality plastic, impact resistant. Ball retainer hold. 110mm/4.3" OAL

Item	Hex	Hex	Hex	Inch	lbs.
28000	4.0	.1574	14.0	.55	.04

269 SYSTEM 4 Combined Slotted/Phillips Reversible Blade High alloy CVM steel, hardened, hard chromed. Wiha vapor Chrome-Top finish on tips.

Item	Hex	Hex	Hex	Hex	Inch	lbs.
26971	1.5+ 000	120	4.7	.05		
26972	2.0+ 00	120	4.7	.05		
26973	3.0+ 0	120	4.7	.05		
26974	4.0+ 1	120	4.7	.06		

280 SYSTEM 4 Metric Ball End Hex Interchangeable Blade High alloy tool steel, hardened, corrosion protected. Ball end works at 30° angle entry for easy access to fasteners.

Item	Hex	Hex	Inch	lbs.	pkg.
28033	1.5	120	4.7	.06	1
28034	2.0	120	4.7	.06	1
28035	2.5	120	4.7	.06	1
28036	3.0	120	4.7	.06	1
28037	4.0	120	4.7	.06	1

28001 ESD Safe Dissipative Precision Adjustable Handle with rotating control cap.
Advantages:

- Use in ESD sensitive applications. Surface resistant 10⁶-10⁹ Ohms.
- Collet lock allows for quick & easy adjustment.
- Holds blade securely in place. Accepts all SYSTEM 4 blades. 110mm/4.3" OAL

Item	Hex	Hex	Hex	Inch	lbs.
28001	4.0	.1574	14.0	.55	.04

269 SYSTEM 4 Phillips Reversible Blade High alloy CVM steel, hardened, hard chromed. Wiha vapor Chrome-Top finish on tips.

Item	Hex	Hex	Hex	Hex	Inch	lbs.
26911	000 + 00	120	4.7	.03		
26912	0 + 1	120	4.7	.03		

280 SYSTEM 4 Inch Ball End Hex Interchangeable Blade High alloy tool steel, hardened, corrosion protected. Ball end works at 30° angle entry for easy access to fasteners.

Item	Hex	Hex	Inch	lbs.
28021	.050	120	4.7	.06
28023	1/16	120	4.7	.06
28024	5/64	120	4.7	.06
28025	3/32	120	4.7	.06
28026	7/64	120	4.7	.06
28027	1/8	120	4.7	.06
28028	9/64	120	4.7	.06
28029	5/32	120	4.7	.06

269 SYSTEM 4 Slotted Reversible Blade High alloy CVM steel, hardened, hard chromed. Wiha vapor Chrome-Top finish on tips.

Item	Hex	Hex	Hex	Inch	lbs.
26903	1.5 + 3.0	120	4.7	.05	
26904	2.0 + 3.5	120	4.7	.05	
26905	2.5 + 4.0	120	4.7	.06	

26922 SYSTEM 4 Pozidriv Reversible Blade High alloy CVM steel, hardened, hard chromed. Wiha vapor Chrome-Top finish on tips.

Item	Hex	Hex	Hex	Hex	Inch	lbs.
26922	0 + 1	120	4.7	.03		

Wiha SYSTEM 4 Precision Blades



269 SYSTEM 4 Metric Hex Sizes, Interchangeable Blade High alloy CVM steel, hardened, corrosion protected.

Item						
No.	mm	mm	Inch	Inch	lbs.	
26913	.71	120	4.7	.06		
26914	.89	120	4.7	.06		
26915	1.27	120	4.7	.06		
26916	1.5	120	4.7	.06		
26917	2.0	120	4.7	.06		
26918	2.5	120	4.7	.06		
26919	3.0	120	4.7	.06		
26920	4.0	120	4.7	.06		



269 SYSTEM 4 Inch Hex Sizes, Interchangeable Blade High alloy chrome-vanadium-molybdenum steel, hardened, corrosion protected.

Item					
No.	Inch	mm	Inch	Inch	lbs.
26921	.050	120	4.7	.06	
26923	1/16	120	4.7	.06	
26924	5/64	120	4.7	.06	
26925	3/32	120	4.7	.06	
26926	7/64	120	4.7	.06	
26927	1/8	120	4.7	.06	
26928	9/64	120	4.7	.06	
26929	5/32	120	4.7	.06	



269 SYSTEM 4 Nut Driver Metric, Interchangeable Blade High alloy chrome-vanadium-molybdenum steel, hardened, corrosion protected. 120mm/4.7" OAL

Item						
No.	mm	mm	Inch	Inch	lbs.	
26940	1.5+1.8	.12	.12	.03		
26941	2.0+2.5	.16	.16	.03		
26938	1.5-	.11	.11	.04		
26939	1.8-	.12	.12	.04		
26949	2.0-	.13	.13	.06		
26950	2.5-	.16	.16	.06		
26942	3.0-	.20	.20	.06		
26943	3.2-	.20	.20	.06		
26944	3.5-	.22	.24	.06		
26945	4.0-	.22	.24	.06		
26946	4.5-	.25	.28	.06		
26947	5.0-	.27	.28	.06		
26948	5.5-	.30	.32	.06		



269 SYSTEM 4 Nut Driver Inch, Interchangeable Blade High alloy chrome-vanadium-molybdenum steel, hardened, corrosion protected. 120mm/4.7" OAL

Item					
No.	Inch	Inch	Inch	Inch	lbs.
26962	3/32	.16	.16	.04	
26963	7/64	.20	.20	.04	
26964	1/8	.20	.20	.04	
26965	9/64	.21	.24	.04	
26966	5/32	.22	.24	.04	
26967	3/16	.26	.28	.04	
26968	7/32	.30	.32	.04	
26969	1/4	1.34	.36	.04	



269 SYSTEM 4 TORX® Reversible Blade High alloy chrome-vanadium-molybdenum steel, hardened, vapor chrome protected, Wiha vapor Chrome-Top finish on tips. 120mm/4.7" OAL.

Item			
No.	Size	Size	lbs.
26951	T6 + T8	.03	
26952	T7 + T9	.03	
26953	T10 + T15	.03	
26954	T15 + T20	.03	



269 SYSTEM 4 TORX® Interchangeable Blade High alloy CVM steel, hardened, Wiha vapor Chrome-Top finish on tips. 120mm/4.7" OAL

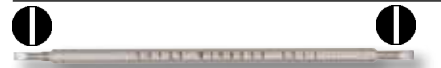
Item		
No.	Size	lbs.
26955	T3	.03
26956	T4	.03
26957	T5	.03

Wiha SYSTEM 4 Drive-Loc Precision Locking Tools



26961 ESD Safe Dissipative Precision Drive-Loc Handle Surface resistant 10⁶-10⁹ Ohms. 4 mm hex retainer for all SYSTEM 4 interchangeable blades. Ball retainer hold. 105mm/4.13" OAL

Item					
No.	mm	Inch	mm	Inch	lbs.
26961	4.0	.1574	23	.91	.08



269 SYSTEM 4 Slotted Drive-Loc Reversible Locking Blades On 4mm Hex

Item			
No.	mm	mm	lbs.
26958	1.5 + 3.0	.02	
26959	2.0 + 3.5	.02	
26960	2.5 + 4.0	.02	



269 SYSTEM 4 Phillips Drive-Loc Reversible Locking Blades On 4mm Hex

Item			
No.	Size	Size	lbs.
26975	000 + 00	.02	
26976	0 + 1	.02	



269 SYSTEM 4 TORX® Drive-Loc Reversible Locking Blades On 4mm Hex

Item			
No.	Size	Size	lbs.
26977	T1 + T2	.02	
26978	T3 + T4	.02	
26979	T5 + T6	.02	
26980	T6 + T8	.02	
26981	T7 + T9	.02	
26982	T10 + T15	.02	

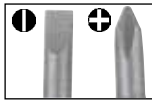



26985 12 Piece SYSTEM 4 Precision ESD Drive-Loc Set In storage pouch

Item No.	Description
26985	ESD Safe Drive-Loc Handle
	Slotted: 1.5x3.0, 2.0x3.5, 2.5x4.0 lbs. .44
	Phillips: 000x00, 0x1
	TORX®: T1xT2, T3xT4, T5xT6, T6xT8, T7xT9, T10xT15


Wiha Canvas Pouch Sets

Surface resistance of handles is 10⁶ - 10⁹ Ohms



26990 Slotted & Phillips Precision Interchangeable Blade Set, 4 Pcs. Wiha ESD Safe  precision collet lock handle and 3 Wiha interchangeable blades.

26990 Set includes the following blades:

↓  Slotted: 2.0, 3.0, 4.0mm


⊕ Phillips: 00, 0, 1

↔ lbs. .17



28080 Slotted, Phillips **TORX**® & Hex Precision Interchangeable Blade Set, 22 Pcs. Wiha ESD Safe  precision collet lock handle and 20 Wiha interchangeable blades.

28080 Set includes the following blades:

↓  Slotted: 1.5, 2.0, 3.0, 4.0mm

⊕ Phillips: 000, 00, 0, 1

⊗ **TORX**®: T3, T4, T5, T6, T7, T8, T9, T10, T15


⬢ Hex: .028, .035

⬢ Ball Hex: .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32"

ESD Safe Chip Lifter

↔ lbs. .33



26991 Slotted & Phillips Precision Interchangeable Blade Set, 6 Pcs. Wiha ESD Safe  precision collet lock handle and 5 Wiha interchangeable blades. In canvas pouch.

26991 Set includes the following blades:

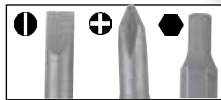
↓  Slotted: 1.5, 2.0, 2.5, 3.0, 3.5, 4.0mm

⊕ Phillips: 000, 00, 0, 1

↔ lbs. .29



Slotted, Phillips, Hex



26992 Slotted, Phillips and Ball End Hex Metric/Inch Precision Interchangeable Blade Set, 17 Pcs. Wiha ESD Safe  precision collet lock handle and 15 Wiha interchangeable blades.

26992 Set include the following blades:

↓  Slotted: 1.5, 2.0, 3.0, 4.0mm

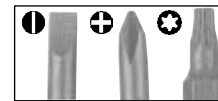
⊕ Phillips: 000, 00, 0, 1

⬢ Ball End Hex Inch: .050, 1/16, 5/64, 7/64, 3/32, 1/8"

⬢ Ball End Hex Metric: 1.5, 2.0, 2.5, 3.0, 4.0mm


ESD Safe Chip Lifter

↔ lbs. .63



44590 Slotted, Phillips and **TORX**® Precision Interchangeable Blade Set, 12 Pcs. Wiha ESD Safe  precision collet lock handle, 7 Wiha interchangeable blades & 4 ESD Safe Tweezers.

44590 Set includes the following blades:

↓  Slotted: 2.0, 3.0, 4.0mm

⊕ Phillips: 00, 0, 1

⊗ **TORX**®: T6, T7, T8, T9, T10, T15

ESD Safe Precision Tweezers:

44501 Fine Point - AA SA

44509 Extra Fine Point - 5 SA

44505 Flat and Blunt - 2a SA

44510 Curved Fine Point - 7a SA

↔ lbs. .60

Slotted, Phillips, Torx® Set In Steel Box




Surface resistance of handles is 10⁶ - 10⁹ Ohms



28094 Slotted, Phillips & Torx® Precision Interchangeable Blade Set, 11 Pcs. Wiha ESD Safe  precision collet lock handle and 10 Wiha interchangeable blades.

28094 Set includes the following blades:

↓  Slotted: 1.5, 2.0, 3.0, 4.0mm

⊕ Phillips: 000, 00, 0, 1

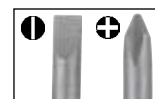
⊗ **TORX**®: T3, T4, T5, T6, T7, T8, T9, T10, T15

↔ lbs. 1.51

Slotted & Phillips Set In Steel Box




Surface resistance of handles is 10⁶ - 10⁹ Ohms



26993 Slotted & Phillips Precision Interchangeable Blade Set, 6 Pcs. Wiha ESD Safe  precision collet lock handle and 5 Wiha interchangeable blades.

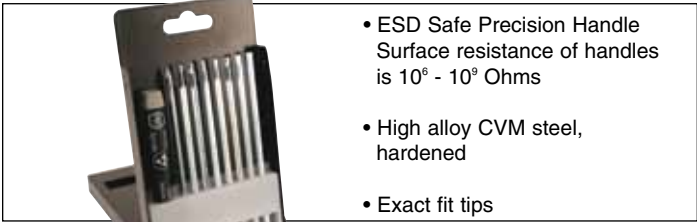
26993 Set includes the following blades:

↓  Slotted: 1.5, 2.0, 2.5, 3.0, 3.5, 4.0mm

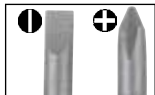
⊕ Phillips: 000, 00, 0, 1


↔ lbs. .87

SYSTEM 4 Sets in Compact Fold-out box





- ESD Safe Precision Handle
Surface resistance of handles is 10⁶ - 10⁹ Ohms
- High alloy CVM steel, hardened
- Exact fit tips




26996 Slotted & Phillips Precision Interchangeable Blade Set, 5 Pcs. Wiha ESD Safe  precision collet lock handle and 4 Wiha interchangeable blades.




26996 Set includes the following reversible blades in Slotted/Phillips sizes:

↕		Slotted: 1.5, 2.0, 3.0, 3.5mm
+		Phillips: 000, 00, 0, 1
↔		lbs. .24




26997 Slotted, Phillips and TORX® Precision Interchangeable Blade Set, 9 Pcs. Wiha ESD Safe  Precision Collet Lock handle and 8 Wiha Interchangeable blades.

26997 Set includes the following blades:

↕		Slotted: 1.5, 2.0, 2.5, 3.0, 3.5, 4.0mm
+		Phillips: 000, 00, 0, 1
⊗		TORX®: T6, T7, T8, T9, T10, T15
↔		lbs. .34




26999 Hex Metric Precision Blade Set, 9 Pcs. Wiha ESD Safe  Precision Collet Lock handle and 8 Wiha interchangeable blades.

26999 Set includes the following blades:

⬠	Hex Metric: .71, .89, 1.27, 1.5, 2.0, 2.5, 3.0, 4.0mm
↔	lbs. .36




26989 Hex Inch Precision Blade Set, 9 Pcs. Wiha ESD Safe  Precision Collet Lock handle and 8 Wiha interchangeable blades.

26989 Set includes the following blades:

⬠	Hex Inch: .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32"
↔	lbs. .35




26988 Nut Driver Inch Precision Blade Set, 9 Pcs. Wiha ESD Safe  precision collet lock handle & 8 Wiha interchangeable blades.

26988 Set includes the following blades:

○	Nut Driver Inch:
	3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4"
↔	lbs. .39




26998 Nut Driver Metric Precision Blade Set, 9 Pcs. Wiha ESD Safe  precision collet lock handle and 8 Wiha interchangeable blades.

26998 Set includes the following blades:

○	Nut Driver Metric:
	2.0, 2.5, 3.0, 3.2, 3.5, 4.0, 4.5, 5.0, 5.5mm
↔	lbs. .40




26995 TORX® Precision Interchangeable Blade Set, 5 Pcs. Wiha ESD Safe  precision collet lock handle & 4 interchangeable blades.

26995 Set includes the following blades:

⊗	TORX®:
	T6, T7, T8, T9, T10, T15, T20
↔	lbs. .24



26987 TORX® Precision Interchangeable Blade Set, 8 Pcs. Wiha ESD Safe  precision collet lock handle and 7 interchangeable blades.

26987 Set includes the following blades:

⊗	TORX® Sizes on standard blades:
	T3, T4, T5
⊗	TORX® Sizes on reversible blades:
	T6, T7, T8, T9, T10, T15, T20
↔	lbs. .33

SYSTEM 4 Handles & Micro Bits

Tips
Exact fit,
precision
machined

Rotating Cap
for precise
turning & control

Tapered Handle
allows rapid rotation,
requires less clearance.
Static Dissipative
10⁶ - 10⁹ ohms


Bits CVM steel,
hardened






Use bits directly in handle or with 4" bit extension



75801 SYSTEM 4 ESD Safe Dissipative

Precision Bit Handle with rotating control cap. Wiha precision handle, tapered, high quality plastic, impact resistant. **Advantages:**





- For working in ESD sensitive applications
Surface resistant 10⁶-10⁹ Ohms 
- Ball retainer holds bits securely in place
- Accepts all SYSTEM 4 Series bits
- 110mm/4.3" OAL

Item					
No.	mm	Inch	mm	Inch	lbs.
75801	4.0	.1574	14.0	.55	.06







75900 Extension Blade For SYSTEM 4

Micro Bits. Shaft CVM steel, hardened, corrosion protected. Ball retainer bit extension for 4 mm bits. Without magnet

Item				
No.	Size	mm	mm	lbs.
75900	4.0	100	4.0	.07







75901 Magnetic Bit Extension Blade For SYSTEM 4 Micro Bits. Shaft CVM steel, hardened. Magnetic bit holder.

Item				
No.	Size	mm	mm	lbs.
75901	4.0	100	4.0	.04







750 SYSTEM 4 Slotted Bits High alloy CVM steel, hardened, on 4 mm hex stock.

Item				
No.	mm	mm	Inch	lbs.
75008	0.8	28	1.1	.01
75012	1.2	28	1.1	.01
75015	1.5	28	1.1	.01
75018	1.8	28	1.1	.01
75020	2.0	28	1.1	.01
75025	2.5	28	1.1	.01
75030	3.0	28	1.1	.01
75035	3.5	28	1.1	.01
75040	4.0	28	1.1	.01







751 SYSTEM 4 Phillips Bits

High alloy chrome-vanadium-molybdenum steel, hardened, on 4 mm hex stock.

Item				
No.	Size	mm	Inch	lbs.
75105	000	28	1.1	.01
75110	00	28	1.1	.01
75115	0	28	1.1	.01
75120	1	28	1.1	.01







753 SYSTEM 4 Hex Metric Bits High alloy CVM steel, hardened, on 4 mm hex stock.

Item				
No.	mm	mm	Inch	lbs.
75307	.71	28	1.1	.01
75309	.89	28	1.1	.01
75313	1.27	28	1.1	.01
75315	1.5	28	1.1	.01
75320	2.0	28	1.1	.01
75325	2.5	28	1.1	.01
75330	3.0	28	1.1	.01
75340	4.0	28	1.1	.01







753 SYSTEM 4 Hex Inch Bits High alloy CVM steel, hardened, on 4 mm hex stock.

Item				
No.	Inch	mm	Inch	lbs.
75307	.028	28	1.1	.01
75309	.035	28	1.1	.01
75313	.050	28	1.1	.01
75350	1/16	28	1.1	.01
75352	5/64	28	1.1	.01
75354	3/32	28	1.1	.01
75356	7/64	28	1.1	.01
75358	1/8	28	1.1	.01
75360	9/64	28	1.1	.01
75340	5/32	28	1.1	.01



757 SYSTEM 4 TORX® Bits





High alloy chrome-vanadium-molybdenum steel, hardened, on 4 mm stock.

Item				
No.	Size	mm	Inch	lbs.
75703	T3	28	1.1	.01
75704	T4	28	1.1	.01
75705	T5	28	1.1	.01
75706	T6	28	1.1	.01
75707	T7	28	1.1	.01
75708	T8	28	1.1	.01
75709	T9	28	1.1	.01
75710	T10	28	1.1	.01
75715	T15	28	1.1	.01
75720	T20	28	1.1	.01



753 SYSTEM 4 Metric Security Hex Bits





High alloy CVM steel, hardened, on 4 mm hex stock.

Item				
No.	mm	mm	Inch	lbs.
75322	2.0	28	1.1	.01
75327	2.5	28	1.1	.01
75332	3.0	28	1.1	.01
75342	4.0	28	1.1	.01



753 SYSTEM 4 Security Hex Inch Bits





High alloy CVM steel, hardened, on 4 mm hex stock.

Item				
No.	Inch	mm	Inch	lbs.
75362	5/64	28	1.1	.01
75364	3/32	28	1.1	.01
75366	7/64	28	1.1	.01
75368	1/8	28	1.1	.01
75370	9/64	28	1.1	.01
75372	5/32	28	1.1	.01



753 SYSTEM 4 TORX® Security Bits

High alloy CVM steel, hardened, on 4 mm stock.




Item				
No.	Size	mm	Inch	lbs.
75727	T7s	28	1.1	.01
75728	T8s	28	1.1	.01
75729	T9s	28	1.1	.01
75735	T10s	28	1.1	.01
75739	T15s	28	1.1	.01
75742	T20s	28	1.1	.01

Micro Bit 1/4" Drive Power Tool Adapter



75902 SYSTEM 4 Micro Bit 1/4" Drive Power Tool Adapter


Shaft CVM steel, hardened, corrosion protected. 1/4" Hex drive holds 4 mm bits. Without magnet

Item				
No.	Size	mm	mm	lbs.
75902	1/4"	60	4.0	.05


Wiha SYS 4 Micro Bits & Compact Bit Sets


75996 SYSTEM 4 Interchangeable Bit Set, 40 Pcs. In Storage Box.


Set includes Wiha precision handle, non-magnetic bit extension & 38 interchangeable bits.


Item No. SYSTEM 4 Combination Micro Bit Set 75996 Set with ESD Safe Precision Handle 


Set includes the following bits:

 **Slotted:** 0.8, 1.2, 1.5, 1.8, 2.0, 2.5, 3.0, 3.5, 4.0mm

 **Phillips:** 000, 00, 0, 1

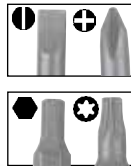
 **TORX®:** T3, T4, T5, T6, T7, T8, T9, T10, T15

 **Hex Metric:** 1.27, 1.5, 2.0, 2.5, 3.0, 4.0mm

 **Hex Inch:** .028, .035, .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32"

 **100mm Bit Extension - non-magnetic**
 lbs. 1.04


Surface resistance of handle is 10⁶ - 10⁹ Ohms




40 Pc. Set


75990 40 Pc. SYSTEM 4 Interchangeable Bit Set, In Canvas Pouch


Set includes Wiha precision handle, non-magnetic bit extension & 38 interchangeable bits.

Item SYSTEM 4 Combination No. Micro Bit Set 75990 Set with ESD Safe Precision Handle 


Set includes the following bits:



 **Slotted:** 0.8, 1.2, 1.5, 1.8, 2.0, 2.5, 3.0, 3.5, 4.0mm

 **Phillips:** 000, 00, 0, 1

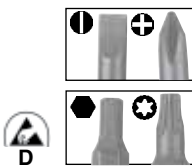
 **TORX®:** T3, T4, T5, T6, T7, T8, T9, T10, T15

 **Hex Metric:** 1.27, 1.5, 2.0, 2.5, 3.0, 4.0mm

 **Hex Inch:** .028, .035, .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32"

 **100mm Bit Extension - non-magnetic**
 lbs. .65


Surface resistance of handle is 10⁶ - 10⁹ Ohms




40 Pc. Set



75792 SYSTEM 4 TORX® Precision Interchangeable Bit Set, 11 Pcs. In Compact Fold Out Box.

Set includes ESD Safe Wiha precision handle, non-magnetic bit extension and 9 Wiha interchangeable bits.

Item ESD Safe SYSTEM 4 TORX® No. Micro Bit Set 75792 Set with ESD Safe Precision Handle 

Sets include the following bits:

 **TORX®:** T3, T4, T5, T6, T7, T8, T9, T10, T15

 **100mm Bit Extension - non-magnetic**
 lbs. .26


Surface resistance of handle is 10⁶ - 10⁹ Ohms




11 Pc. Set


759 SYSTEM 4 Slotted/Phillips/Hex Inch/TORX® Precision Interchangeable Bit Set, 27 Pcs. In Compact Fold Out Box.


Sets include your choice of Wiha precision handle, non-magnetic bit extension and 25 Wiha interchangeable bits.


Item Handle Options for SYSTEM 4 No. Combination Bit Sets 75991 Set with Standard Precision Handle 

75992 Set with ESD Safe Precision Handle 


Sets include the following bits:

 **Slotted:** 1.5, 2.0, 3.0, 4.0mm

 **Phillips:** 000, 00, 0, 1

 **TORX®:** T3, T4, T5, T6, T7, T8, T9, T10, T15

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

 **100mm Bit Extension - non-magnetic**
 lbs. .34


Surface resistance of handle is 10⁶ - 10⁹ Ohms



27 Pc. Set


75994 SYSTEM 4 Slotted/Phillips/Hex Metric/TORX® Precision Interchangeable Bit Set, 27 Pcs. In Compact Fold Out Box.


Set includes Wiha ESD Safe precision handle, non-magnetic bit extension and 25 Wiha interchangeable bits.


Item No. SYSTEM 4 Combination Micro Bit Set 75994 Set with ESD Safe Precision Handle 

Set includes the following bits:

 **Slotted:** 1.5, 2.0, 3.0, 4.0mm

 **Phillips:** 000, 00, 0, 1

 **TORX®:** T3, T4, T5, T6, T7, T8, T9, T10, T15

 **Hex Metric:** .71, .89, 1.27, 1.5, 2.0, 2.5, 3.0, 4.0mm

 **100mm Bit Extension - non-magnetic**
 lbs. .26

Surface resistance of handle is 10⁶ - 10⁹ Ohms

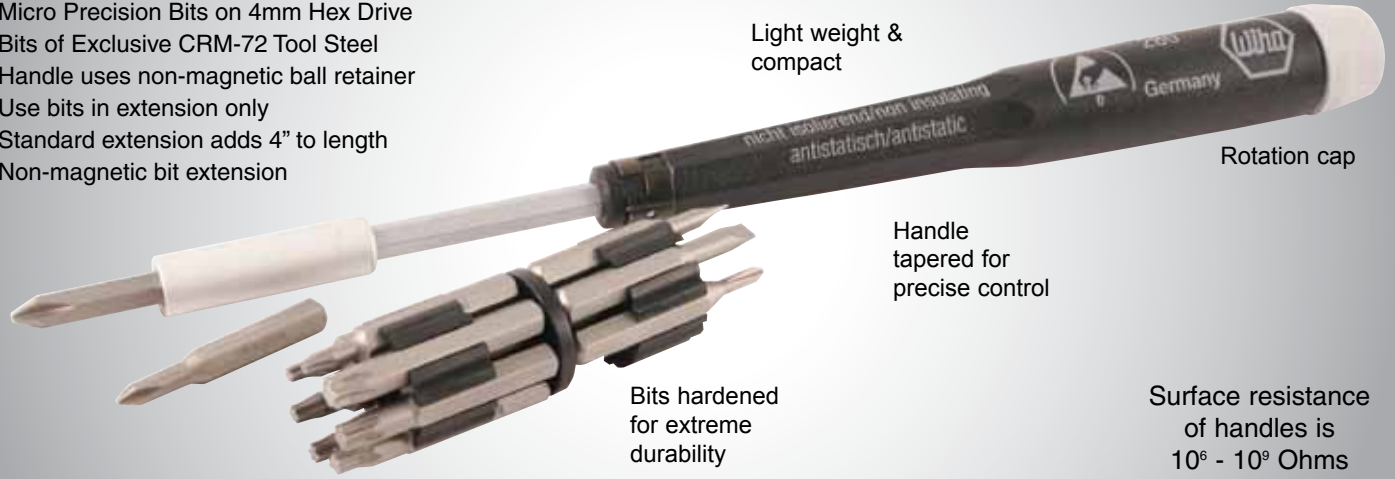


27 Pc. Set






SYSTEM 4 Compact ESD Micro Bit Sets

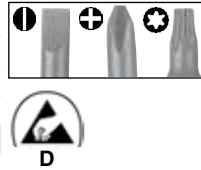
Technicians MicroBit Sets

- Micro Precision Bits on 4mm Hex Drive
- Bits of Exclusive CRM-72 Tool Steel
- Handle uses non-magnetic ball retainer
- Use bits in extension only
- Standard extension adds 4" to length
- Non-magnetic bit extension








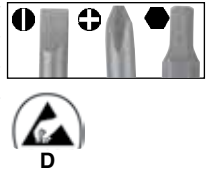
75093 SYSTEM 4 Slotted, Phillips, TORX® Compact ESD Precision Interchangeable Bit Set, 16 Pcs. Wiha precision handle, bit extension & 14 interchangeable bits.

Item No.	Combination Bit Set
75093	Set with Standard Precision Handle
Set includes the following bits:	
	Slotted: 1.5, 2.0, 2.5, 3.0mm
	Phillips: 00, 0, 1
	TORX®: T6, T7, T8, T9, T10, T15, T20
	100mm Bit Extension
	lbs. .17








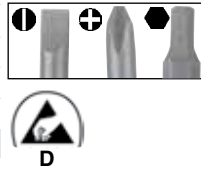
75095 SYSTEM 4 Slotted, Phillips, Hex Metric Compact ESD Precision Interchangeable Bit Set, 16 Pcs. Wiha precision handle, bit extension & 14 interchangeable bits.

Item No.	Combination Bit Set
75095	Set with Standard Precision Handle
Set includes the following bits:	
	Slotted: 1.5, 2.0, 2.5, 3.0mm
	Phillips: 00, 0, 1
	Hex Metric: .89, 1.27, 1.5, 2.0, 2.5, 3.0, 4.0mm
	100mm Bit Extension
	lbs. .17







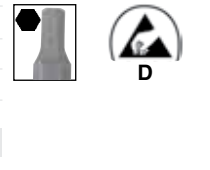
75094 SYSTEM 4 Slotted, Phillips, Hex Inch Compact ESD Precision Interchangeable Bit Set, 16 Pcs. Wiha precision handle, bit extension & 14 interchangeable bits.

Item No.	Combination Bit Set
75094	Set with Standard Precision Handle
Set includes the following bits:	
	Slotted: 1.5, 2.0, 2.5, 3.0mm
	Phillips: 00, 0, 1
	Hex Inch: .035, .050, 1/16, 5/64, 3/32, 7/64, 1/8"
	100mm Bit Extension
	lbs. .17



75096 SYSTEM 4 Hex Inch & Metric Compact ESD Precision Interchangeable Bit Set, 16 Pcs. Wiha precision handle, bit extension & 14 interchangeable bits.

Item No.	Combination Bit Set
75096	Set with ESD Safe Precision Handle
Set includes the following bits:	
	Hex Inch: 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32"
	Hex Metric: .89, 1.27, 1.5, 2.0, 2.5, 3.0, 4.0mm
	100mm Bit Extension
	lbs. .17



Wiha ESD Safe SoftFinish Cushion Grip Bit Holders

Bit holders without magnetics








For working on static sensitive components

Surface resistance of handles is 10⁶ - 10⁹ Ohms

Dissipative material offers protection against electrostatic discharge









38701 ESD Safe Quick Release 1/4" Bit Holder, With Wiha-SoftFinish® Cushion Grip Handle, IEC 61340-5-1, DIN 3126, ISO 1173
Stainless steel with retaining ring bit holder. Dissipative SoftFinish® cushion grip handle, multi-component, ESD Safe surface resistance 10⁶ - 10⁹ Ohm.

Item							
No.	Inch	mm	Inch	mm	Inch	lbs.	pkg.
38701	1/4"	148	5.8	38	1.5	.18	1



28180 ESD Safe Stubby 1/4" Bit Holder With Ring Retainer, Cushion Grip Wiha-SoftFinish® Handle, IEC 61340-5-1, DIN 3126, ISO 1173 Dissipative SoftFinish® cushion grip handle, multi-component, ESD Safe surface resistance 10⁶ - 10⁹ Ohm.

Item					
No.	Inch	mm	Inch	lbs.	pkg.
28180	1/4"	57	2.2	.11	1



In Durable Pouch

Surface resistance of handle is 10⁶ - 10⁹ Ohms

38790 ESD Safe 1/4" Quick Release Blade Holder Set With Interchangeable 70mm Blades & Quick Release Blade Holder
20 Pc. set includes ESD Safe Quick Release Holder, cushion grip handle. 70mm blades are CVM tool steel, hardened. Also includes a Quick Release blade extension.

Item		
No. 38790		
Slotted:	2.5, 3.0, 3.5, 4.0, 5.5, 6.5mm	Phillips: 0, 1, 2
TORX®:	T6, T7, T8, T9, T10, T15	Pozidriv®: 0, 1, 2



Wiha ESD Safe Interchangeable Sets




Surface resistance of handle is $10^6 - 10^9$ Ohms

In Durable Pouch

10891 ESD Safe Slotted & Phillips Interchangeable Blade Set

4 Pc. Set Includes ESD Safe handle & 3 interchangeable blades.

Item 

No. 10891 lbs. .65

Slotted: 3.0, 4.0, 6.0mm Phillips: 0, 1, 2




Surface resistance of handle is $10^6 - 10^9$ Ohms

In Durable Pouch

10892 ESD Safe Metric Nut Drivers Interchangeable Blade Set

8 Pc. Set Includes ESD Safe handle & 7 interchangeable blades.

Item 

No. 10892 lbs. .75

Metric Nut Drivers: 5.0, 5.5, 6.0, 7.0, 8.0, 9.0, 10.0mm




Surface resistance of handle is $10^6 - 10^9$ Ohms

In Durable Pouch

10893 ESD Safe TORX® Interchangeable Blade Set

5 Pc. Set Includes ESD Safe handle & 4 interchangeable blades.

Item 

No. 10893 lbs. .70

TORX®: T6, T7, T8, T9, T10, T15, T20, T25




Surface resistance of handle is $10^6 - 10^9$ Ohms

In Durable Pouch

10895 ESD Safe Interchangeable Combo Blade Set

11 Pc. Set Includes ESD Safe handle & 10 interchangeable blades.

Item 

No. 10895 lbs. .75

Slotted: 3.0, 4.0, 6.0mm Phillips: 0, 1, 2

Inch Nut Drivers: 3/16, 1/4, 5/16, 11/32, 3/8, 7/16, 1/2"

Won't damage sensitive parts

Non-metallic high-tech material with 60% fiber glass content, extremely high rigidity.


Thermal stability of the measuring surfaces:
Short-term up to 180°C, continuous 100-120°C

Precision ratchet guarantees uniform clamping force of the measuring jaw

Non-corrosive, non-magnetic, hardly conductive and electrically insulated

Made in Switzerland

Surface resistance of handle is $10^6 - 10^9$ Ohms

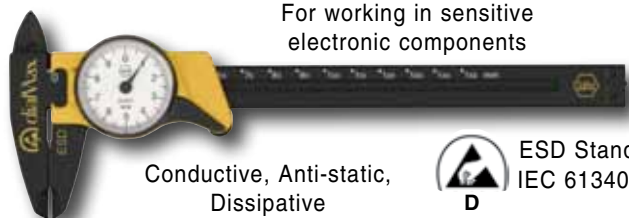



ESD Safe Dial Caliper DialMax - Metric/Inch

For working in sensitive electronic components

Conductive, Anti-static, Dissipative

ESD Standard IEC 61340-5-1



411 ESD Safe Dial Caliper DialMax - Metric & Inch

Non-metallic high-tech material with 60% fiber glass content.

For outside, inside, depth and step measurements.

Impact resistant dial can be recalibrated to zero.

Item No.	Reading	mm	Inch	Pkg.	wt.
41105	.001"	150	6 Inch	1	.10
41106	0.1mm	150	6 Metric	1	.10



SYSTEM 6
ANTI-STATIC HANDLE
MADE IN GERMANY

10820 ESD Safe Dissipative Dynamic Handle, Conductive, High Quality Plastic, Impact Resistant. Advantages:

- Accepts all Drive-Loc VI blades
- Surface resistant 10^6 to 10^9 ohms
- Safe for working on ESD sensitive parts
- Collet lock holds blade securely in place

Item No.	mm	mm	Inch	mm	Inch	lbs.
10820	6.0	135	5.3	15.2	.60	.16

Wiha Drive-Loc VI Handle & Blades

Locking mechanism in SoftFinish cushion grip handle

Drive-Loc mechanism guarantees a secure hold & rapid blade exchange



Adjust interchangeable blades from 40 to 120mm (1.7 to 4.7")









Surface resistance of handle is 10⁶ - 10⁹ Ohms

28486 ESD Safe Drive-Loc VI Cushion Grip Handle

Wiha-SoftFinish[®] impact resistant, with roll off protection.

Advantages:

Ergonomic cushion grip, Drive-Loc mechanism guarantees a secure hold and rapid blade exchange. Static Dissipative.





Item						
No.	mm	mm	Inch	mm	Inch	lbs.
28486	6.0	115	4.5	36.0	1.41	.21

Wiha Drive-Loc VI Blades



281 Slotted Drive-Loc VI Interchangeable Blade





High alloy CVM steel, through hardened, hard chrome finish. Over all blade length 150mm/5.9". Blades fit all Drive-Loc VI handles.

Item				
No.	mm + mm	lbs.	pkg.	
28106	3.5 4.5	.10	1	
28108	5.5 6.5	.10	1	



281 Slotted & Phillips Drive-Loc VI Interchangeable

Blade High alloy CVM steel, through hardened, hard chrome finish. Over all blade length 150mm/5.9". Blades fit all Drive-Loc VI handles.

Item				
No.	mm + Size	lbs.	pkg.	
28107	3.0 0	.10	1	
28109	4.0 1	.10	1	
28110	6.0 2	.10	1	



28112 Phillips Drive-Loc VI Interchangeable Blade





High alloy CVM steel, through hardened, hard chrome finish. Over all blade length 150mm/5.9". Blades fit all Drive-Loc VI handles.

Item				
No.	Size + Size	lbs.	pkg.	
28112	1 2	.10	1	



28114 Pozidriv[®] Drive-Loc VI Interchangeable





Blade High alloy CVM steel, through hardened, hard chrome finish. Over all blade length 150mm/5.9". Blades fit all Drive-Loc VI handles.

Item				
No.	Size + Size	lbs.	pkg.	
28114	1 2	.10	1	



281 TORX[®] Drive-Loc VI Interchangeable Blade





High alloy CVM steel, through hardened, hard chrome finish. Over all blade length 150mm/5.9". Blades fit all Drive-Loc VI handles.

Item				
No.	Size + Size	lbs.	pkg.	
28126	T6 T8	.10	1	
28127	T7 T9	.10	1	
28128	T10 T15	.10	1	
28129	T20 T25	.10	1	
28130	T30 T40	.10	1	



281 Security TORX[®] Drive-Loc VI Interchangeable





Blade, high alloy CVM steel, through hardened, hard chrome finish. Over all blade length 150mm/5.9". Blades fit all Drive-Loc VI handles.

Item				
No.	Size + Size	lbs.	pkg.	
28132	T6s T8s	.10	1	
28133	T7s T9s	.10	1	
28134	T10s T15s	.10	1	
28135	T20s T25s	.10	1	
28136	T30s T40s	.10	1	



281 Tri-Wing[®] Drive-Loc VI Interchangeable Blade





High alloy CVM steel, through hardened, hard chrome finish. Over all blade length 150mm/5.9". Blades fit all Drive-Loc VI handles.

Item				
No.	Size + Size	lbs.	pkg.	
28138	0 1	.10	1	
28139	2 3	.10	1	
28140	4 5	.10	1	



281 Torq Set[®] Drive-Loc VI Interchangeable Blade

High alloy CVM steel, through hardened, hard chrome finish. Over all blade length 150mm/5.9". Blades fit all Drive-Loc VI handles.





Item				
No.	Size + Size	lbs.	pkg.	
28142	2 4	.08	1	
28143	6 8	.10	1	

Wiha Drive-Loc VI Blades



281 Ball End Hex & Hex Metric Drive-Loc VI Interchangeable





Blade High alloy CVM steel, through hardened, hard chrome finish. Ball end enables the user to work at angles up to 25°. Over all blade length 150mm/5.9". Blades fit all Drive-Loc VI handles.

Item				
No.	mm	mm	lbs.	pkg.
28116	2.5	2.5	.10	1
28117	3	3	.10	1
28118	4	4	.10	1
28119	5	5	.10	1
28120	6	6	.10	1



281 Hex Metric Drive-Loc VI Interchangeable Blade





High alloy CVM steel, through hardened, hard chrome finish. Over all blade length 150mm/5.9". Blades fit all Drive-Loc VI handles.

Item				
No.	mm	mm	lbs.	pkg.
28149	2.0	2.5	.09	1
28150	3.0	4.0	.10	1
28151	5.0	6.0	.10	1



281 Hex Inch Drive-Loc VI Interchangeable Blade





High alloy CVM steel, through hardened, hard chrome finish. Over all blade length 150mm/5.9". Blades fit all Drive-Loc VI handles.

Item				
No.	Inch	Inch	lbs.	pkg.
28122	3/32	7/64	.10	1
28123	1/8	9/64	.10	1
28124	5/32	3/16	.10	1



28137 Square Drive-Loc VI Interchangeable Blade





High alloy CVM steel, through hardened, hard chrome finish. Over all blade length 150mm/5.9". Blades fit all Drive-Loc VI handles.

Item				
No.	Size	Size	lbs.	pkg.
28137	1	2	.10	1



281 Drive-Loc VI Inch Nut Driver Blades





High alloy CVM steel, through hardened, hard chrome finish. OAL blade length 150mm/5.9". Blades fit all Drive-Loc VI handles.

Item				
No.	Inch	mm	lbs.	pkg.
28156	3/16	150	.11	1
28157	7/32	150	.11	1
28158	1/4	150	.11	1
28159	9/32	150	.12	1
28160	5/16	150	.13	1
28161	11/32	150	.14	1
28162	3/8	150	.15	1
28163	7/16	150	.17	1
28164	1/2	150	.18	1



281 Drive-Loc VI Metric Nut Driver Blades




High alloy CVM steel, through hardened, hard chrome finish. OAL blade length 150mm/5.9". Blades fit all Drive-Loc VI handles.

Item				
No.	mm	mm	lbs.	pkg.
28168	4.0	150	.10	1
28169	4.5	150	.10	1
28170	5.0	150	.11	1
28171	5.5	150	.11	1
28172	6.0	150	.12	1
28173	7.0	150	.13	1
28174	8.0	150	.13	1
28177	9.0	150	.14	1
28175	10.0	150	.15	1
28176	11.0	150	.20	1



28144 Extension Blade For Drive-Loc VI Blades

High alloy CVM steel, through hardened, hard chrome finish. OAL blade length 6.5". Blades fit all Drive-Loc VI handles.

Item			
No.	mm	OAL	lbs. pkg.
28144	6.0	165mm	.14 1

ESD Safe Adjustable TorqueControl Tools



Includes Certificate

285 ESD Safe TorqueVario-S, With Window Scale

EN ISO 6798, BS EN 26789, ASME B107.14M, +/- 6% Accuracy
Ergonomic multi-component handle, light and compact. Handle sizes proportioned to optimize torque range. Audible and perceptible click when torque setting has been attained. With Certificate of accuracy.

Item	Range	mm		lbs.		Max. Torque	pkg.
No.	Inch lbs.	Increments	mm	lbs.	Repeatability	Nm	
28522*	15 - 80(in/oz)	2.5 Inch oz	122 - 127	.33	1	+/- 10%	
28524	5 - 10	.2 Inch lbs	122 - 127	.34	1	+/- 6%	
28526	7.5 - 20	.5 Inch lbs	126 - 131	.42	1	+/- 6%	

Surface resistance of handles is 10⁶ - 10⁹ Ohms

Each TorqueVario handle has unique serial number and certificate of calibration



With Certificate of Calibration +/- 6%

28591 Set 24 Pcs. ESD Safe Adjustable TorqueVario-S Bit Set

Certified to EN ISO 6798, BS EN 26789, ASME B107.14M. Set includes ergonomic multi-component adjustable TorqueVario-S handle, 21 Micro Bits, non-magnetic Micro Bit holder and Torque adjustment tool, packed in a compact durable storage box.

Item No.	Weight
28591	lbs.
Slotted: 1.5, 2.0, 3.0, 4.0mm	1.31
Phillips: #00, #0, #1	
TORX®: T6, T7, T8, T9, T10, T15	
Hex Inch: .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32"	
28524 Handle ESD Safe Range 5 - 10 Inch lbs.	

Surface resistance of handle is 10⁶ - 10⁹ Ohms

28592 Set 24 Pcs. ESD Safe Adjustable TorqueVario-S Bit Set

Certified to EN ISO 6798, BS EN 26789, ASME B107.14M. Set includes ergonomic multi-component adjustable TorqueVario-S handle, 21 Micro Bits, non-magnetic Micro Bit holder and Torque adjustment tool, packed in a compact durable storage box.

Item No.	Weight
28592	lbs.
Slotted: 1.5, 2.0, 3.0, 4.0mm	1.31
Phillips: #00, #0, #1	
TORX®: T6, T7, T8, T9, T10, T15	
Hex Inch: .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32"	
28526 Handle ESD Safe Range 7.5 - 20 Inch lbs.	

Surface resistance of handle is 10⁶ - 10⁹ Ohms



288 ESD Safe Slotted Interchangeable Blades For TorqueVario-S

Slotted tip blades on narrow 5/32 Hex shafts. High alloy chrome-vanadium-molybdenum steel, hardened, satin hard chrome finish.

Item	mm	Inch	mm	lbs.	Max. Torque	pkg.
28801	1.5	.059	175	.07	0.15	1
28803	2.0	.078	175	.07	0.4	1
28805	3.0	.118	175	.07	0.6	1
28807	3.5	.139	175	.07	1.1	1
28809	4.0	.157	175	.07	2.5	1



288 ESD Safe Phillips Interchangeable Blades For TorqueVario-S

Phillips tip blades on narrow 5/32 Hex shafts. High alloy chrome-vanadium-molybdenum steel, hardened, satin hard chrome finish.

Item	Size	mm	mm	lbs.	Max. Torque	pkg.
28810	000	175	4.0	.07	0.4	1
28812	00	175	4.0	.07	0.4	1
28814	0	175	4.0	.07	0.9	1
28816	1	175	4.0	.07	3.8	1



288 ESD Safe TORX® Interchangeable Blades For TorqueVario-S

TORX® tip blades on narrow 5/32 Hex shafts. High alloy chrome-vanadium-molybdenum steel, hardened, hard chromed.

Item	Size	mm	mm	lbs.	Max. Torque	pkg.
28825	T5	175	4.0	.07	0.4	1
28826	T6	175	4.0	.07	0.6	1
28827	T7	175	4.0	.07	0.9	1
28828	T8	175	4.0	.07	1.3	1
28829	T9	175	4.0	.07	2.5	1
28830	T10	175	4.0	.07	3.8	1



Surface resistance of handle is 10⁶ - 10⁹ Ohms

With Certificate of Calibration +/- 10%

28890 Set 24 Piece TorqueVario-S ESD Safe Micro-Bit Set

Certified to EN ISO 6798, BS EN 26789, ASME B107.14M. Set includes ergonomic multi-component adjustable TorqueVario-S handle, 21 Micro Bits, non-magnetic Micro Bit holder and Torque adjustment tool. Packed in a compact durable storage box.

Item No.	Weight
28890	lbs.
Slotted: 1.5, 2.0, 3.0, 4.0mm	1.33
Phillips: #00, #0, #1	
TORX®: T6, T7, T8, T9, T10, T15	
Hex Inch: .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32"	
28522 ESD Safe Handle Range 15-80 Inch/oz.	

Wiha ESD Safe Pliers & Cutters

Surface resistance of handles is 10⁶ - 10⁹ Ohms



Beveled Cutter Semi-Flush Cutter

Flush Cutter Ultra Full Flush

Box joint for longer tool life & endurance, mirror polished finish

ESD standard IEC 61340-5-1

Welded double leaf spring

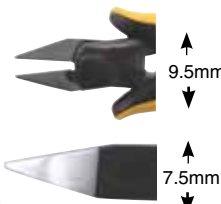
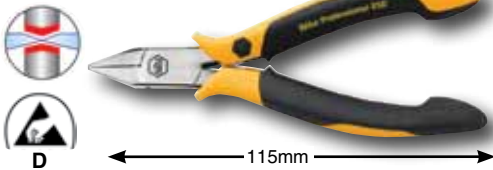
Hardened & annealed high carbon tool steel, induction hardened cutting edges

Two component handle with non-slip soft grip surface, protects the hand and reduces manual effort & user fatigue




Precision Cutters Tapered Head

Semi Flush



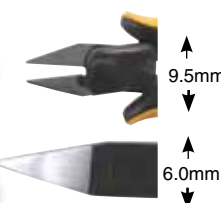
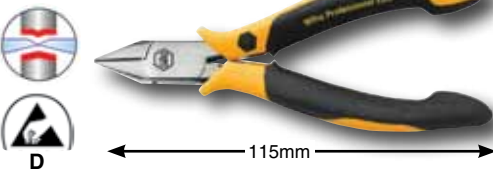
32703 Precision Cutters, Small Tapered Head, Semi Flush

Cutters drop-forged for an ideal material structure. Precise aligned cutting edges are additionally induction hardened at a hardness of Approx. 64°HRC. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

32703	mm	Inch	Copper	Head Width	Pkg.	wt.
	115	4.5	1.0	9.5mm	1	.19

Precision Cutters Tapered Head

Flush



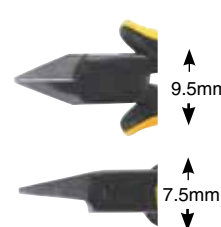
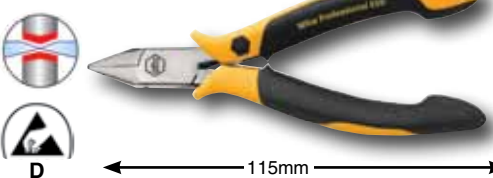
32705 Precision Cutters, Small Tapered Head, Flush

Cutters drop-forged for an ideal material structure. Precise aligned cutting edges are additionally induction hardened at a hardness of Approx. 64°HRC. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

32705	mm	Inch	Copper	Head Width	Pkg.	wt.
	115	4.5	1.0	9.5mm	1	.19

Precision Cutters Tapered Head

Semi Flush



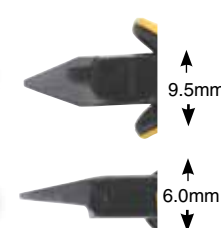
32702 Precision Cutters, Small Tapered Head With Hollow Ground Back, Semi Flush

Cutters drop-forged for an ideal material structure. Precise aligned cutting edges are additionally induction hardened at a hardness of Approx. 64°HRC. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

32702	mm	Inch	Copper	Head Width	Pkg.	wt.
	115	4.5	1.0	9.5mm	1	.19

Precision Cutters Tapered Head

Flush



32704 Precision Cutters, Small Tapered Head With Hollow Ground Back, Flush

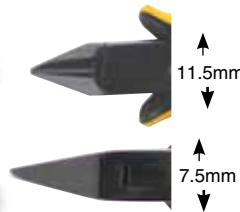
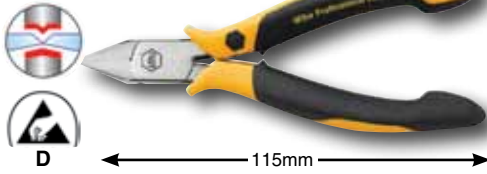
Cutters drop-forged for an ideal material structure. Precise aligned cutting edges are additionally induction hardened at a hardness of Approx. 64°HRC. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

32704	mm	Inch	Copper	Head Width	Pkg.	wt.
	115	4.5	1.0	9.5mm	1	.19

Wiha ESD Safe Pliers & Cutters

Precision Cutters Wide Tapered Head

Bevel



32706 Precision Cutters, Wide Tapered Head, Bevel

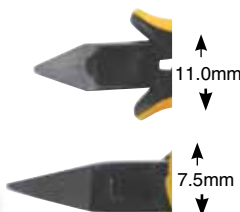
Cutters drop-forged for an ideal material structure. Precise aligned cutting edges are additionally induction hardened at a hardness of Approx. 64°HRC. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

32706	mm	Inch	Copper	Head Wdth	Pkg.	wt.
	115	4.5	1.4	11.0mm	1	.20

Surface resistance of handles is 10⁸ - 10⁹ Ohms

Precision Cutters Wide Tapered Head

Flush



32708 Precision Cutters, Wide Tapered Head, Flush

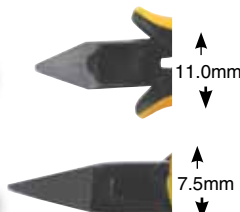
Cutters drop-forged for an ideal material structure. Precise aligned cutting edges are additionally induction hardened at a hardness of Approx. 64°HRC. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

32708	mm	Inch	Copper	Head Wdth	Pkg.	wt.
	115	4.5	1.2	11.0mm	1	.19

Surface resistance of handles is 10⁸ - 10⁹ Ohms

Precision Cutters Wide Tapered Head

Full Flush



32710 Precision Cutters, Wide Tapered Head, Full Flush

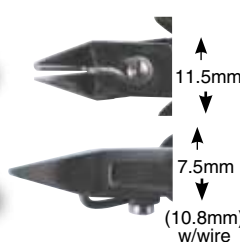
Cutters drop-forged for an ideal material structure. Precise aligned cutting edges are additionally induction hardened at a hardness of Approx. 64°HRC. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

32710	mm	Inch	Copper	Head Wdth	Pkg.	wt.
	115	4.5	1.0	11.0mm	1	.23

Surface resistance of handles is 10⁸ - 10⁹ Ohms

Precision Cutters Wide Tapered Head

Flush



32711 Precision Cutters, Wide Tapered Head With Wire Trapping Device, Flush

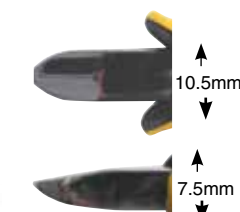
Cutters drop-forged for an ideal material structure. Precise aligned cutting edges are additionally induction hardened at a hardness of Approx. 64°HRC. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

32711	mm	Inch	Copper	Head Wdth	Pkg.	wt.
	115	4.5	1.2	11.0mm	1	.19

Surface resistance of handles is 10⁸ - 10⁹ Ohms

Precision Cutters Slim Oval Form

Flush



32712 Precision Cutters, Slim Oval Head, Flush

Cutters drop-forged for an ideal material structure. Precise aligned cutting edges are additionally induction hardened at a hardness of Approx. 64°HRC. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

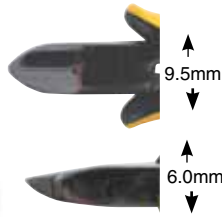
32712	mm	Inch	Copper	Head Wdth	Pkg.	wt.
	115	4.5	1.0	10.5mm	1	.23

Surface resistance of handles is 10⁸ - 10⁹ Ohms

Wiha ESD Safe Pliers & Cutters

Precision Cutters Slim Oval Form

Full Flush



32714 Precision Cutters, Slim Oval Head, Full Flush

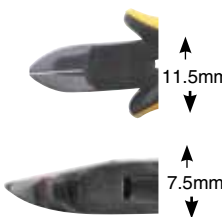
Cutters drop-forged for an ideal material structure. Precise aligned cutting edges are additionally induction hardened at a hardness of Approx. 64°HRC. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

32714	mm	Inch	Copper	Head Wdth	Pkg.	wt.
	115	4.5	1.0	10.0mm	1	.23

Surface resistance of handles is 10⁶ - 10⁹ Ohms

Precision Cutters Slim Oval Form

Bevel



32716 Precision Cutters, Wide Oval Head, Bevel

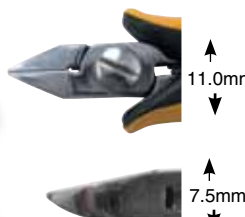
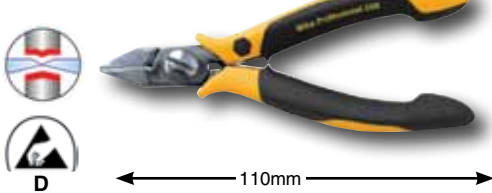
Cutters drop-forged for an ideal material structure. Precise aligned cutting edges are additionally induction hardened at a hardness of Approx. 64°HRC. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

32716	mm	Inch	Copper	Head Wdth	Pkg.	wt.
	115	4.5	1.4	11.0mm	1	.19

Surface resistance of handles is 10⁶ - 10⁹ Ohms

Precision Cutters Wide Oval Form And Carbide Edge

Bevel



32718 Precision Cutters, Wide Oval Head Carbide Cutting Edges, Bevel

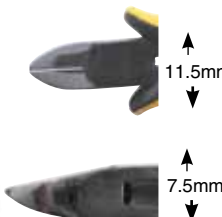
Cutters drop-forged for an ideal material structure. Precise aligned carbide cutting edge. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

32718	mm	Inch	Copper	Head Wdth	Pkg.	wt.
	110	4 3/8	1.6	11.0mm	1	.20

Surface resistance of handles is 10⁶ - 10⁹ Ohms

Precision Cutters Wide Oval Form

Flush



32720 Precision Cutters, Wide Oval Head, Flush

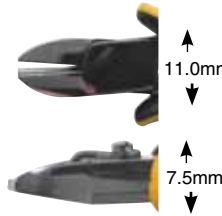
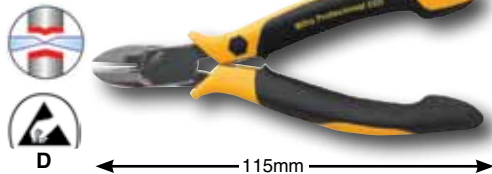
Cutters drop-forged for an ideal material structure. Precise aligned cutting edges are additionally induction hardened at a hardness of Approx. 64°HRC. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

32720	mm	Inch	Copper	Head Wdth	Pkg.	wt.
	115	4.5	1.2	11.0mm	1	.19

Surface resistance of handles is 10⁶ - 10⁹ Ohms

Precision Cutters Wide Oval Form

Flush



32721 Precision Cutters, Wide Oval Head With Wire Trapping Device, Flush

Cutters drop-forged for an ideal material structure. Precise aligned cutting edges are additionally induction hardened at a hardness of Approx. 64°HRC. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

32721	mm	Inch	Copper	Head Wdth	Pkg.	wt.
	115	4.5	1.2	11.0mm	1	.23

Surface resistance of handles is 10⁶ - 10⁹ Ohms

Wiha ESD Safe Pliers & Cutters

Oblique Angled Cutters

Flush



32722 Oblique Angled Cutters, 29°, Flush

Oblique Cutters drop-forged for an ideal material structure. Precise aligned cutting edges are additionally induction hardened at a hardness of Approx. 64°HRC. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

32722	mm	Inch	Copper	Head Wdth	Pkg.	wt.
	115	4.5	1.2	12.0mm	1	.24

Surface resistance of handles is 10⁶ - 10⁹ Ohms

Oblique Angled Cutters

Ultra Full Flush



32724 Oblique Angled Cutters, 29°, Full Flush

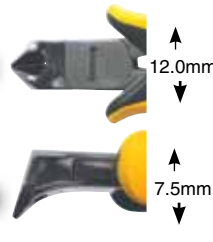
Oblique Cutters drop-forged for an ideal material structure. Precise aligned cutting edges are additionally induction hardened at a hardness of Approx. 64°HRC. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

32724	mm	Inch	Copper	Head Wdth	Pkg.	wt.
	115	4.5	1.0	12.0mm	1	.24

Surface resistance of handles is 10⁶ - 10⁹ Ohms

Oblique Angled Cutters

Semi Flush



32726 Oblique Angled Cutters, 29°, Short Head, Semi Flush

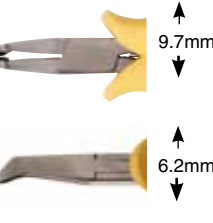
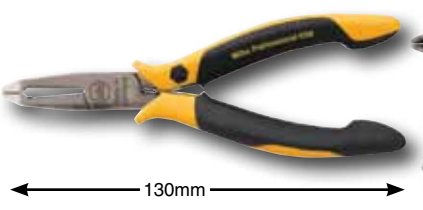
Oblique Cutters drop-forged for an ideal material structure. Precise aligned cutting edges are additionally induction hardened at a hardness of Approx. 64°HRC. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

32726	mm	Inch	Copper	Head Wdth	Pkg.	wt.
	115	4.5	1.2	12.0mm	1	.24

Surface resistance of handles is 10⁶ - 10⁹ Ohms

Oblique Front Cutters

Flush



32728 Oblique Front Cutters, Very Small Head, 40°, Flush

Oblique Cutters drop-forged for an ideal material structure. Precise aligned cutting edges are additionally induction hardened at a hardness of Approx. 64°HRC. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

32728	mm	Inch	Copper	Head Wdth	Pkg.	wt.
	130	5.1	0.6	8.5mm	1	.21

Surface resistance of handles is 10⁶ - 10⁹ Ohms

ESD Safe Tool Set In Canvas Pouch



32793 11 Pc. Set, 4 ESD Safe Pliers, Slotted & Phillips

Screwdrivers Pliers drop-forged for an ideal material structure. Two component non-slip soft grip handle. ESD standard IEC 61340-5-1

32793 11 piece ESD Safe Pliers & Slotted/Phillips Precision Drivers

Set in custom case includes:

ESD Safe Pliers & Cutters

4.5" Tapered Flush Cutters	4.5" Snipe Nose Pliers
4.375" Oblique Cutters	5.7" Long Nose Pliers

ESD Safe Precision Screwdrivers

Slotted 2.0 x 40mm	Phillips #00 x 40mm
Slotted 2.5 x 50mm	Phillips #0 x 50mm
Slotted 3.0 x 50mm	Phillips #1 x 60mm
Slotted 3.5 x 60mm	

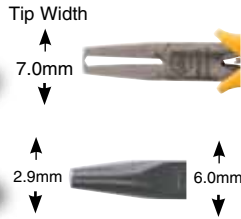
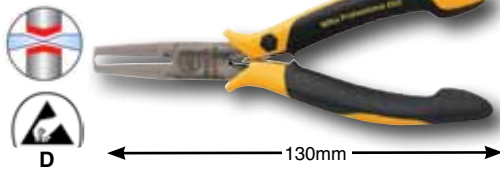
📦 lbs. 2.43

Surface resistance of handles is 10⁶ - 10⁹ Ohms

Wiha ESD Safe Pliers & Cutters

End Cutters Extra Slim

Semi Flush



32732 End Cutters, Extra Slim, Semi Flush

End Cutters drop-forged for an ideal material structure. Precise aligned cutting edges are additionally induction hardened at a hardness of Approx. 64°HRC. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

32732	mm	Inch	Copper	Tip Wdth	Pkg.	wt.
	130	5.1	0.6	4.1mm	1	.16

Surface resistance of handles is 10⁶ - 10⁹ Ohms

End Cutters Wide Head

Flush



32734 End Cutters, Wide Head, Flush

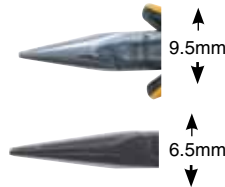
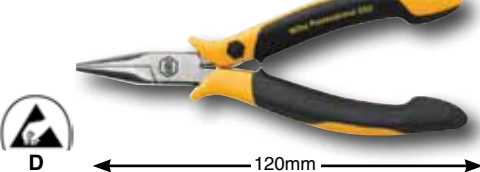
End Cutters drop-forged for an ideal material structure. Precise aligned cutting edges are additionally induction hardened at a hardness of Approx. 64°HRC. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

32734	mm	Inch	Copper	Head Wdth	Pkg.	wt.
	115	4.5	1.4	11.0mm	1	.18

Surface resistance of handles is 10⁶ - 10⁹ Ohms

ESD Safe Pliers

Short Snipe Nose



32742 ESD Safe Pliers, Short Snipe Nose (Chain Nose) Straight, Serrated Jaws

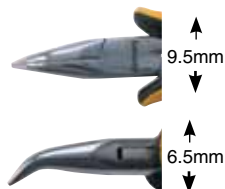
Pliers drop-forged for an ideal material structure. Precisely aligned, jaws, hardened. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

32742	mm	Inch	Head Wdth	Pkg.	wt.
	120	4 3/4	9.5mm	1	.20

Surface resistance of handles is 10⁶ - 10⁹ Ohms

ESD Safe Pliers

Bent Snipe Nose 45°



32744 ESD Safe Pliers, Snipe Nose (Chain Nose) Bent 45°, Smooth Jaws

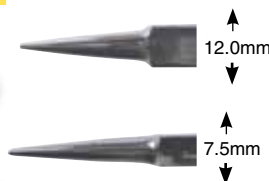
Pliers drop-forged for an ideal material structure. Precisely aligned, jaws, hardened. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

32744	mm	Inch	Head Wdth	Pkg.	wt.
	120	4 3/4	9.5mm	1	.20

Surface resistance of handles is 10⁶ - 10⁹ Ohms

ESD Safe Pliers

Long Needle Nose



32746 ESD Safe Pliers, Long Needle Nose Pliers, Straight, Serrated Jaws

Pliers drop-forged for an ideal material structure. Precisely aligned, jaws, hardened. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

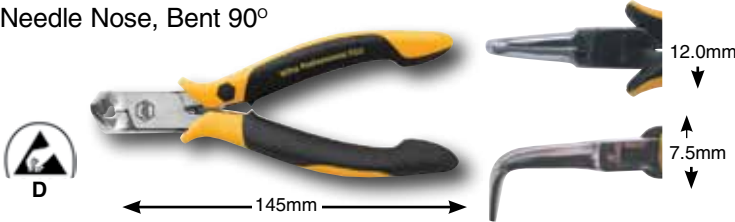
32746	mm	Inch	Head Wdth	Pkg.	wt.
	145	5 3/4	12.0mm	1	.27

Surface resistance of handles is 10⁶ - 10⁹ Ohms

Wiha ESD Safe Pliers & Cutters

ESD Safe Pliers

Needle Nose, Bent 90°



32748 ESD Safe Pliers, Needle Nose Pliers, Bent 90°, Smooth Jaws

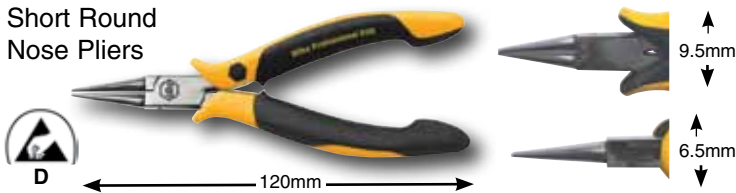
Pliers drop-forged for an ideal material structure. Precisely aligned, jaws, hardened. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

32748	mm	Inch	Head Width	Pkg.	wt.
	145	5 3/4	12.0mm	1	.21

Surface resistance of handles is 10⁶ - 10⁹ Ohms

ESD Safe Pliers

Short Round Nose Pliers



32750 ESD Safe Pliers, Short Round Nose Pliers, Smooth Jaws

Pliers drop-forged for an ideal material structure. Precisely aligned, jaws, hardened. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

32750	mm	Inch	Head Width	Pkg.	wt.
	120	4 3/4	9.5mm	1	.17

Surface resistance of handles is 10⁶ - 10⁹ Ohms

ESD Safe Pliers

Short Flat Nose Pliers



32752 ESD Safe Pliers, Short Flat Nose Pliers, Smooth Jaws

Pliers drop-forged for an ideal material structure. Precisely aligned, jaws, hardened. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

32752	mm	Inch	Head Width	Pkg.	wt.
	120	4 3/4	9.5mm	1	.16

Surface resistance of handles is 10⁶ - 10⁹ Ohms

ESD standard IEC 61340-5-1



32790 4 Piece ESD Safe Pliers Set In Custom Case

Pliers drop-forged for an ideal material structure. Two component non-slip soft grip handle. ESD Safe Dissipative.

32790 4 piece ESD Safe Pliers Set Includes:

- 4.5" Wide Oval Side Cutters
- 5.75" Long Nose Pliers
- 4.75" Flat Nose Pliers
- 4.375" Oblique Front Cutters

↔ lbs. 2.06

Surface resistance of handles is 10⁶ - 10⁹ Ohms

Surface resistance of handles is 10⁶ - 10⁹ Ohms



ESD standard IEC 61340-5-1



32791 11 Pc. Set, 4 ESD Safe Pliers, SYSTEM 4 Slotted & Phillips

5 Pc. Set & 2 ESD Safe Tweezers Pliers drop-forged for an ideal material structure. Two component non-slip soft grip handle. ESD Safe Precision handle & 4 CVM tool steel blades. Tweezers anti-static conductive, ESD Safe Hypo allergenic, anti-magnetic stainless.

32791 11 piece ESD Safe Pliers, Tweezers & SYS 4 precision Set in custom case includes:

ESD Safe Pliers & Cutters

- 4.5" Wide Oval Side Cutters
- 5.75" Long Nose Pliers
- 4.75" Flat Nose Pliers
- 4.375" Oblique Front Cutters

SYSTEM 4 Set in separate pouch

ESD Safe Conductive Precision Handle

Slotted: 1.5, 2.0, 3.0 & 4.0 Phillips: 000, 00, 0 & 1

ESD Safe Tweezers: 44501 AA SA ESD & 44510 7a SA ESD

↔ lbs. 2.43

Wiha ESD Safe Protturn Pliers & Cutters

protturn

Glare free
black finish



Tested ESD Safe handle with non-slip soft grip surface, protects the hand and reduces manual effort & user fatigue

Hardened steel
return spring

ESD standard
IEC 61340-5-1



Surface resistance of handles is $10^6 - 10^9$ Ohms

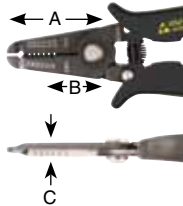
ESD Safe Wire Stripper



protturn



165mm



45810 Protturn ESD Safe Wire Stripper

ESD standard IEC 61340-5-1. C70 special tool steel. Glare free, black finish. ESD Safe handle with non-slip grips.

Strips 0.2, 0.3, 0.4, 0.5, 0.6, 0.8mm

45810	mm	Inch	Strips AWG	A	B	C	Pkg.	wt.
	165	6.5	30 to 20	30mm	12mm	4mm	1	.25

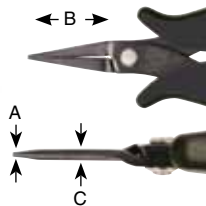
ESD Safe Long Nose Pliers



protturn



160mm



45811 Protturn ESD Safe Long Nose Pliers

ESD standard IEC 61340-5-1. C70 special tool steel. Glare free, black finish. ESD Safe handle with non-slip grips.

45811	mm	Inch	A	B	C	Pkg.	wt.
	160	6.3	2mm	30mm	3mm	1	.18

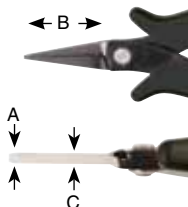
ESD Safe Flat Nose Pliers



protturn



160mm



45812 Protturn ESD Safe Flat Nose Pliers

ESD standard IEC 61340-5-1. C70 special tool steel. Glare free, black finish. ESD Safe handle with non-slip grips.

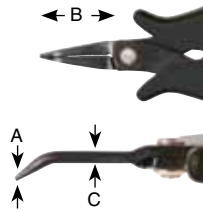
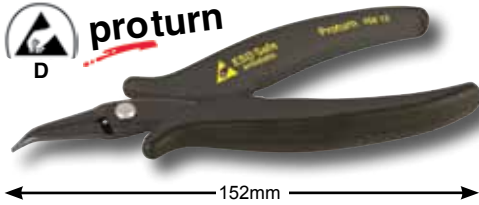
45812	mm	Inch	A	B	C	Pkg.	wt.
	160	6.3	2mm	32mm	3mm	1	.18

Wiha ESD Safe Protturn Pliers & Cutters

Surface resistance of handles is $10^6 - 10^9$ Ohms

Protturn available Spring 2010

ESD Safe Bent Nose Pliers

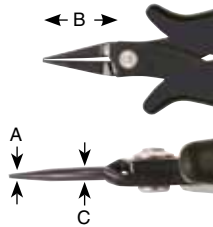


45813 Protturn ESD Safe Bent Nose Pliers

ESD standard IEC 61340-5-1. C70 special tool steel. Glare free, black finish. ESD Safe handle with non-slip grips.

45813	mm	Inch	A	B	C	Pkg.	wt.
	152	6.0	2mm	30mm	4mm	1	.18

ESD Safe Round Nose Pliers

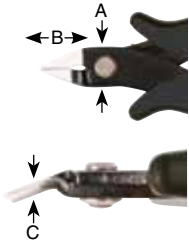
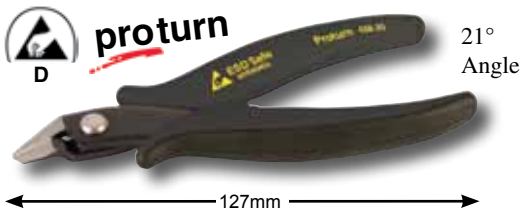


45814 Protturn ESD Safe Round Nose Pliers

ESD standard IEC 61340-5-1. C70 special tool steel. Glare free, black finish. ESD Safe handle with non-slip grips.

45814	mm	Inch	A	B	C	Pkg.	wt.
	152	6.0	2mm	22mm	3mm	1	.17

ESD Safe Diagonal Cutter

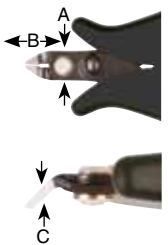


45820 Protturn ESD Safe 21° Precision Cutters/Flush Cut

ESD standard IEC 61340-5-1. C70 special tool steel. Glare free, black finish. ESD Safe handle with non-slip grips.

45820	mm	Inch	AWG	A	B	C	Pkg.	wt.
	127	5.0	18/1mm	13mm	12mm	3mm	1	.16

ESD Safe Diagonal Cutter

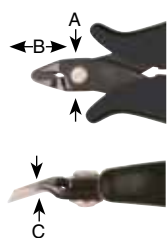
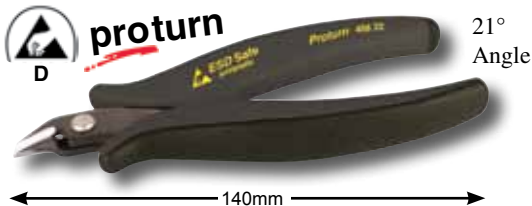


45821 Protturn ESD Safe 45° Precision Cutters/Flush Cut

ESD standard IEC 61340-5-1. C70 special tool steel. Glare free, black finish. ESD Safe handle with non-slip grips.

45821	mm	Inch	AWG	A	B	C	Pkg.	wt.
	127	5.0	18/1mm	10mm	9mm	2mm	1	.14

ESD Safe Diagonal Cutter



45822 Protturn ESD Safe 21° Precision Cutters/Flush Cut

ESD standard IEC 61340-5-1. C70 special tool steel. Glare free, black finish. ESD Safe handle with non-slip grips.

45822	mm	Inch	AWG	A	B	C	Pkg.	wt.
	140	5.5	16/1.3mm	13mm	12mm	3mm	1	.15

Wiha ESD Safe Protturn Pliers & Cutters

Surface resistance of handles is 10⁶ - 10⁹ Ohms

Protturn available Spring 2010

ESD Safe Diagonal Cutter



45823 Protturn ESD Safe 21° Precision Cutters/Flush Cut
ESD standard IEC 61340-5-1. C70 special tool steel. Glare free, black finish. ESD Safe handle with non-slip grips.

45823	mm	Inch	AWG	A	B	C	Pkg.	wt.
	133	5.25	14/1.6mm	10mm	10mm	2mm	1	.14

ESD Safe Diagonal Cutter



45824 Protturn ESD Safe 45° Precision Cutters/Flush Cut
ESD standard IEC 61340-5-1. C70 special tool steel. Glare free, black finish. ESD Safe handle with non-slip grips.

45824	mm	Inch	AWG	A	B	C	Pkg.	wt.
	140	5.5	14/1.6mm	13mm	12mm	2.5mm	1	.16

protturn



Surface resistance of handles is 10⁶ - 10⁹ Ohms



ESD standard IEC 61340-5-1

45890 26 Pc. Set, Protturn ESD Safe Pliers, Precision Slotted & Phillips Screwdrivers, Precision Micro Bit Set & ESD Safe Tweezers
ESD Protturn Pliers glare free, black finish, ESD Safe non-slip soft grips. ESD Safe Precision Slotted & Phillips screwdrivers, CVM tool steel blades. Precision ESD Safe Micro Bit handle holds Micro Bit extension and 4mm Micro bits. Anti-static Tweezer conductive, ESD Safe Hypo allergenic, anti-magnetic stainless.

45890 26 Piece ESD Safe Pliers, Precision Screwdrivers, Micro Bit Set & ESD Tweezer In Custom Case Includes:

ESD Safe Protturn Strippers, Pliers & Cutters

45810 6.5" Wire Stripper	45811 6.3" Long Nose Pliers
45813 6.0" Bent Nose Pliers	45823 5.25" 21° Precision Cutters

ESD Safe Slotted & Phillips Precision Screwdrivers
Slotted: 2.0, 2.5, 3.0mm Phillips: 0, 1

ESD Micro Bit Handle, Micro Bit Extension & 14 Micro Bits 4mm
Hex: .71, .89, 1.27, 1.5, 2.0, 2.5, 3.0 Torx: T4, T5, T6, T7, T8, T9, T10

ESD Safe Tweezer: 44532 00 SA ESD - 120mm Heavy Duty Strong, Tapered To Strong Point.
↕ lbs. 2.05

Professional Quality ESD Tweezers



ESD SAFE • STATIC DISSIPATIVE • HYPO ALLERGENIC COATED • TEXTURED GRIPPING SURFACE

Surface resistance is $10^6 - 10^9$ Ohms



Universal Fine Point Tweezers

Item No.	Description	wt.
44501	AA SA ESD - 130mm	.09

Static dissipative, ESD Safe hypo allergenic tweezers made from Vommaloy. Special stainless steel, anti-magnetic and acid resistant.



Fine Round Points For Assembly

Item No.	Description	wt.
44506	3 SA ESD - 120mm	.08

Static dissipative, ESD Safe hypo allergenic tweezers made from Vommaloy. Special stainless steel, anti-magnetic and acid resistant.



Sturdy Long, Fine Round Points

Item No.	Description	wt.
44502	GG SA ESD - 130mm	.09

Static dissipative, ESD Safe hypo allergenic tweezers made from Vommaloy. Special stainless steel, anti-magnetic and acid resistant.



Fine Round Points Shorter

Item No.	Description	wt.
44507	3c SA ESD - 110mm	.08

Static dissipative, ESD Safe hypo allergenic tweezers made from Vommaloy. Special stainless steel, anti-magnetic and acid resistant.



Long Narrow Body Low Force

Item No.	Description	wt.
44503	SS SA ESD - 135mm	.08

Static dissipative, ESD Safe hypo allergenic tweezers made from Vommaloy. Special stainless steel, anti-magnetic and acid resistant.



Very Fine Points/Tapered To Tip

Item No.	Description	wt.
44508	4 SA ESD - 110mm	.08

Static dissipative, ESD Safe hypo allergenic tweezers made from Vommaloy. Special stainless steel, anti-magnetic and acid resistant.



Reduced Body To Medium Point

Item No.	Description	wt.
44504	2 SA ESD - 120mm	.08

Static dissipative, ESD Safe hypo allergenic tweezers made from Vommaloy. Special stainless steel, anti-magnetic and acid resistant.



Extra Fine Points/Tapered To Tip

Item No.	Description	wt.
44509	5 SA ESD - 110mm	.08

Static dissipative, ESD Safe hypo allergenic tweezers made from Vommaloy. Special stainless steel, anti-magnetic and acid resistant.



Flat Round Tip Smooth Sides

Item No.	Description	wt.
44505	2a SA ESD - 120mm	.08

Static dissipative, ESD Safe hypo allergenic tweezers made from Vommaloy. Special stainless steel, anti-magnetic and acid resistant.




Curved Extra Fine Rounded Tips

Item No.	Description	wt.
44510	7a SA ESD - 120mm	.08

Static dissipative, ESD Safe hypo allergenic tweezers made from Vommaloy. Special stainless steel, anti-magnetic and acid resistant.

Wiha Professional Quality ESD Safe Tweezers

Surface resistance is $10^6 - 10^9$ Ohms 



Holds 0.8 to 2mm Diameter

Item No.	Description	wt.
44511	50 SA ESD - 120mm	.08
Static dissipative, ESD Safe hypo allergenic tweezers made from Vommaloy. Special stainless steel, anti-magnetic and acid resistant.		



Narrow Rounded Tip Serrated, Guide Pin

Item No.	Description	wt.
44518	22 SA ESD - 150mm	.10
Static dissipative, ESD Safe hypo allergenic tweezers made from Vommaloy. Special stainless steel, anti-magnetic and acid resistant.		



Holds 1.5 to 3mm Diameter

Item No.	Description	wt.
44512	51 SA ESD - 130mm	.08
Static dissipative, ESD Safe hypo allergenic tweezers made from Vommaloy. Special stainless steel, anti-magnetic and acid resistant.		



Universal Blunt Tip Serrated

Item No.	Description	wt.
44520	40 SA ESD - 145mm	.11
Static dissipative, ESD Safe hypo allergenic tweezers made from Vommaloy. Special stainless steel, anti-magnetic and acid resistant.		



Holds 3.5 to 7mm Diameter

Item No.	Description	wt.
44513	52 SA ESD - 120mm	.08
Static dissipative, ESD Safe hypo allergenic tweezers made from Vommaloy. Special stainless steel, anti-magnetic and acid resistant.		



MicroTip 45° Hook 1x1x2mm

Item No.	Description	wt.
44521	12 SA-SMD ESD - 120mm	.09
Static dissipative, ESD Safe hypo allergenic tweezers made from Vommaloy. Special stainless steel, anti-magnetic and acid resistant.		



Holds 6.5 to 10mm Diameter

Item No.	Description	wt.
44514	53 SA ESD - 120mm	.08
Static dissipative, ESD Safe hypo allergenic tweezers made from Vommaloy. Special stainless steel, anti-magnetic and acid resistant.		



MicroTip For Chips Angled 1.6 x 1 x 1mm

Item No.	Description	wt.
44522	13 SA ESD - 120mm	.08
Static dissipative, ESD Safe hypo allergenic tweezers made from Vommaloy. Special stainless steel, anti-magnetic and acid resistant.		



Angled 3.5 to 7mm Diameter

Item No.	Description	wt.
44515	54 SA ESD - 120mm	.08
Static dissipative, ESD Safe hypo allergenic tweezers made from Vommaloy. Special stainless steel, anti-magnetic and acid resistant.		




Long Rounded to 1.0mm Wide No Serration

Item No.	Description	wt.
44523	PSF SA ESD - 125mm	.09
Static dissipative, ESD Safe hypo allergenic tweezers made from Vommaloy. Special stainless steel, anti-magnetic and acid resistant.		



Wiha Professional Quality ESD Safe Tweezers

Surface resistance is $10^6 - 10^9$ Ohms 



Flat Bent 35°, 3mm Diameter Grip

Item No.	Description	wt.
44524	58 SA-SMD ESD - 117mm	.08
Static dissipative, ESD Safe hypo allergenic tweezers made from Vommaloy. Special stainless steel, anti-magnetic and acid resistant.		



MicroTip Bent 30° 1.6mm

Item No.	Description	wt.
44529	8b SA ESD - 120mm	.08
Static dissipative, ESD Safe hypo allergenic tweezers made from Vommaloy. Special stainless steel, anti-magnetic and acid resistant.		



Curved Extra Fine, 3mm Long Straight Tip

Item No.	Description	wt.
44525	7abb SA ESD - 120mm	.08
Static dissipative, ESD Safe hypo allergenic tweezers made from Vommaloy. Special stainless steel, anti-magnetic and acid resistant.		



Flat Bent 35°, 2mm Diameter Grip Radius

Item No.	Description	wt.
44530	59 SA-SMD ESD - 117mm	.08
Static dissipative, ESD Safe hypo allergenic tweezers made from Vommaloy. Special stainless steel, anti-magnetic and acid resistant.		



Narrow Body Low Force Bent 35°-3mm Tip

Item No.	Description	wt.
44526	SSbb SA ESD - 140mm	.08
Static dissipative, ESD Safe hypo allergenic tweezers made from Vommaloy. Special stainless steel, anti-magnetic and acid resistant.		



ESD Safe General Purpose Fine Point

Item No.	Description	wt.
44531	1 SA ESD - 120mm	.08
Static dissipative, ESD Safe hypo allergenic tweezers made from Vommaloy. Special stainless steel, anti-magnetic and acid resistant.		



Angled Extra Fine Points Bent 30°, 3mm Long Tips

Item No.	Description	wt.
44527	5abb SA ESD - 117mm	.08
Static dissipative, ESD Safe hypo allergenic tweezers made from Vommaloy. Special stainless steel, anti-magnetic and acid resistant.		



Heavy Duty Strong Tweezers Tapered To Strong Point

Item No.	Description	wt.
44532	00 SA ESD - 120mm	.09
Static dissipative, ESD Safe hypo allergenic tweezers made from Vommaloy. Special stainless steel, anti-magnetic and acid resistant.		



Extra Fine Points Bent 30°, 3mm Long Tips

Item No.	Description	wt.
44528	5bb SA ESD - 107mm	.08
Static dissipative, ESD Safe hypo allergenic tweezers made from Vommaloy. Special stainless steel, anti-magnetic and acid resistant.		



Angled & Slightly Bent With Extra Fine Tips

Item No.	Description	wt.
44533	7 SA ESD - 120mm	.08
Static dissipative, ESD Safe hypo allergenic tweezers made from Vommaloy. Special stainless steel, anti-magnetic and acid resistant.		

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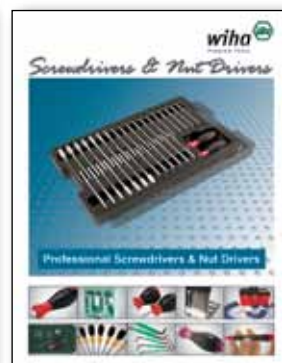
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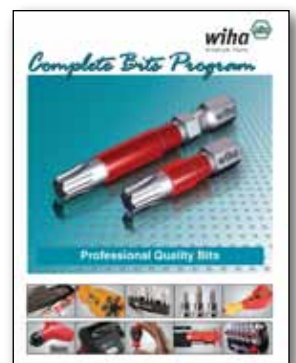
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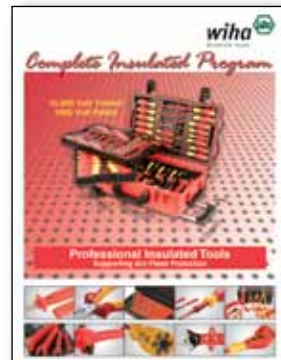
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