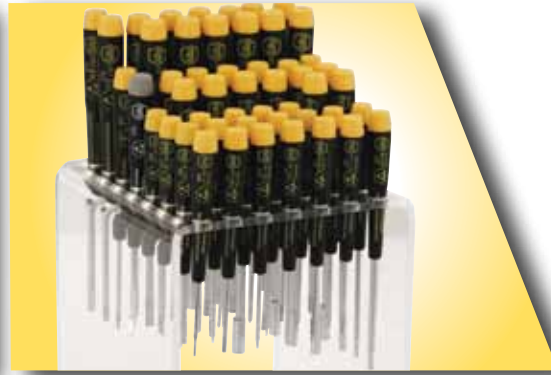




Complete ESD Safe Program



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

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.

ESD Safe Precision Screwdrivers

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ESD Safe Cushion Grip Screwdrivers

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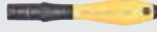
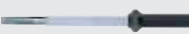
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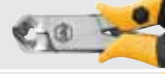
ESD Safe Drive-Loc VI Handle

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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.



ESD Standard IEC 61340-5-1

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

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



272 90 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.
272 90	272 08	.8	40		272 20	2.0	40	.54
	272 10	1.0	40		272 25	2.5	50	
	272 12	1.2	40		272 30	3.0	50	
	272 15	1.5	40		272 35	3.5	60	

Precision ESD Safe Slotted/Phillips Drivers

Surface resistance of handles is $10^6 - 10^9$ 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.	
273 02	000	40	1.6	2.0	.08	120	4.7	.02	10	
273 05	00	40	1.6	2.0	.08	120	4.7	.02	10	
273 07	00	75	3.0	2.0	.08	155	6.1	.02	10	
273 10	0	50	2.0	3.0	.12	145	5.7	.04	10	
273 12	0	75	3.0	3.0	.12	170	6.7	.03	10	
273 14	0	100	3.9	3.0	.12	195	7.6	.05	10	
273 16	0	150	5.9	3.0	.12	245	9.6	.06	10	
273 20	1	60	2.3	4.0	.16	170	6.7	.06	10	
273 22	1	75	3.0	4.0	.16	155	6.1	.06	10	
273 24	1	100	3.9	4.0	.16	210	8.2	.06	10	
273 26	1	150	5.9	4.0	.16	260	10.2	.07	10	

*Metric dimensions actual - Inch dimensions approximate



D



273 99 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	Inch	mm	Inch	mm	Inch	lbs.	pkg.	
273 99	272 15	1.5	40	273 02	000	40		.50		
	272 20	2.0	40	273 05	00	40				
	272 25	2.5	50	273 10	0	50				
	272 30	3.0	50	273 20	1	60				



273 93 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	Inch	mm	Inch	mm	Inch	lbs.	pkg.	
273 93	272 24	2.0	150	273 16	0	150		.50		
	272 28	2.5	150	273 26	1	150				
	272 34	3.0	150							
	272 38	3.5	150							
	272 43	4.0	150							



911 18 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.
911 18	14 1/2" W x 7 3/4" L	.13	1

Precision ESD Safe TORX® Drivers

Surface resistance of handles is $10^6 - 10^9$ 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.
278 01	T1	40	1.6	120	4.7	.03	10
278 02	T2	40	1.6	120	4.7	.03	10
278 03	T3	40	1.6	120	4.7	.03	10
278 04	T4	40	1.6	120	4.7	.03	10
278 05	T5	40	1.6	120	4.7	.03	10
278 11	T6	40	1.6	120	4.7	.03	10
278 17	T7	40	1.6	120	4.7	.03	10
278 23	T8	40	1.6	120	4.7	.03	10
278 29	T9	50	2.0	145	5.7	.04	10
278 35	T10	50	2.0	145	5.7	.04	10
278 41	T15	60	2.4	170	6.7	.07	10
278 47	T20	60	2.4	170	6.7	.07	10

*Metric dimensions actual - Inch dimensions approximate



278 90 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.	
278 90	278 04 T4	40	278 23 T8	40	.31	
	278 05 T5	40	278 29 T9	50		
	278 11 T6	40	278 35 T10	50		
	278 17 T7	40				



278 99 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.	
278 99	278 01 T1	40	278 05 T5	40	.47	
	278 02 T2	40	278 06 T6	40		
	278 03 T3	40	278 07 T7	40		
	278 04 T4	40	279 20 Chip Lifter			

Precision ESD Safe TORXPlus® Drivers

Surface resistance of handles is $10^6 - 10^9$ 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.
278 50	IP4	40	1.6	120	4.7	.03	10
278 51	IP5	40	1.6	120	4.7	.03	10
278 52	IP6	40	1.6	120	4.7	.03	10
278 53	IP7	40	1.6	120	4.7	.03	10
278 54	IP8	40	1.6	120	4.7	.03	10
278 55	IP9	50	2.0	145	5.7	.04	10
278 56	IP10	50	2.0	145	5.7	.04	10
278 57	IP15	60	2.4	170	6.7	.07	10

*Metric dimensions actual - Inch dimensions approximate



278 94 Set 7 Pcs. TORXPlus® Precision ESD Safe Dissipative

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

Item						
No.	Size	mm	Size	mm	lbs.	
278 94	278 51 IP5	40	278 55 IP9	50	.27	
	278 52 IP6	40	278 56 IP10	50		
	278 53 IP7	40	278 57 IP15	60		
	278 54 IP8	40				

Wiha Precision ESD Safe Hex Drivers

Surface resistance of handles is $10^6 - 10^9$ 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.
275 07	.71	40	1.6	120	4.7	.02	10
275 09	.89	40	1.6	120	4.7	.02	10
275 13	1.27	40	1.6	120	4.7	.03	10
275 15	1.5	50	2.0	145	5.7	.03	10
275 20	2.0	50	2.0	145	5.7	.04	10
275 25	2.5	60	2.4	170	6.7	.05	10
275 30	3.0	60	2.4	170	6.7	.05	10
275 35	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.	
275 05	.028	40	1.6	120	4.7	.02	10	
275 10	.035	40	1.6	120	4.7	.02	10	
275 13	.050	40	1.6	120	4.7	.02	10	
275 37	1/16	50	2.0	145	5.7	.03	10	
275 39	5/64	50	2.0	145	5.7	.03	10	
275 41	3/32	60	2.4	170	6.7	.04	10	
275 43	7/64	60	2.4	170	6.7	.04	10	
275 45	1/8	60	2.4	170	6.7	.04	10	
275 47	9/64	60	2.4	170	6.7	.05	10	
275 49	5/32	60	2.4	170	6.7	.05	10	

*Metric dimensions actual - Inch dimensions approximate



D



ESD standard
IEC 61340-5-1

275 90 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.
275 90	275 07	.71	40	275 20	2.0	50	.53
	275 09	.89	40	275 25	2.5	60	
	275 13	1.27	40	275 30	3.0	60	
	275 15	1.5	50	275 35	4.0	60	



D



ESD standard
IEC 61340-5-1

275 91 Set 8 Pcs. Hex Inch Precision ESD Safe Dissipative

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

Hex				Hex				Lbs.	
Item									
No.		Inch	Inch		Inch	Inch		lbs.	
275 91	275 13	.050	1.6	275 43	7/64	2.4		.57	
	275 37	1/16	2.0	275 45	1/8	2.4			
	275 39	5/64	2.0	275 47	9/64	2.4			
	275 41	3/32	2.4	275 49	5/32	2.4			



911 18 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.
911 18	14 1/2" W x 7 3/4" L	.13 1

Wiha Precision ESD Safe Nut Drivers

Surface resistance of handles is $10^6 - 10^9$ 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.
277 01	3/32	60	2.4	155	6.1	.16	.16	.04	10
277 03	7/64	60	2.4	155	6.1	.20	.20	.05	10
277 05	1/8	60	2.4	155	6.1	.20	.20	.05	10
277 07	9/64	60	2.4	155	6.1	.21	.24	.05	10
277 09	5/32	60	2.4	155	6.1	.22	.24	.05	10
277 11	3/16	60	2.4	155	6.1	.25	.28	.05	10
277 13	7/32	60	2.4	170	6.7	.30	.32	.06	10
277 15	1/4	60	2.4	170	6.7	.34	.36	.06	10

*Metric dimensions actual - Inch dimensions approximate



D



ESD standard
IEC 61340-5-1

277 91 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.
277 91	277 01	3/32 60	277 09	5/32 60	.68
	277 03	7/64 60	277 11	3/16 60	
	277 05	1/8 60	277 13	7/32 60	
	277 07	9/64 60	277 15	1/4 60	



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.
277 20	1.5	60	2.4	140	5.5	2.5	3.0	.03	10
277 22	2.0	60	2.4	140	5.5	3.2	4.0	.04	10
277 25	2.5	60	2.4	140	5.5	4.0	4.0	.05	10
277 30	3.0	60	2.4	155	6.1	5.0	5.0	.06	10
277 35	3.5	60	2.4	155	6.1	5.3	6.0	.06	10
277 40	4.0	60	2.4	155	6.1	5.5	6.0	.06	10
277 45	4.5	60	2.4	155	6.1	6.2	7.0	.05	10
277 50	5.0	60	2.4	155	6.1	6.8	7.0	.06	10
277 55	5.5	60	2.4	170	6.7	7.6	8.0	.07	10
277 60	6.0	60	2.4	170	6.7	9.6	10.0	.06	10

*Metric dimensions actual - Inch dimensions approximate



D



ESD standard
IEC 61340-5-1

277 90 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.
277 90	277 20	1.5 60	277 35	3.5 60	.63
	277 22	2.0 60	277 40	4.0 60	
	277 25	2.5 60	277 50	5.0 60	
	277 30	3.0 60	277 55	5.5 60	

Wiha Precision ESD Safe Chip Lifter

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



279 20 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
279 20	ESD Safe dissipative handle						



D

ESD standard
IEC 61340-5-1

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

920 92 Master Technicians Bench Top Set

Plexiglass frame. Equipped with 50 precision ESD Safe screwdrivers.

Item No.	
920 92	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 279 20 Chip Lifter

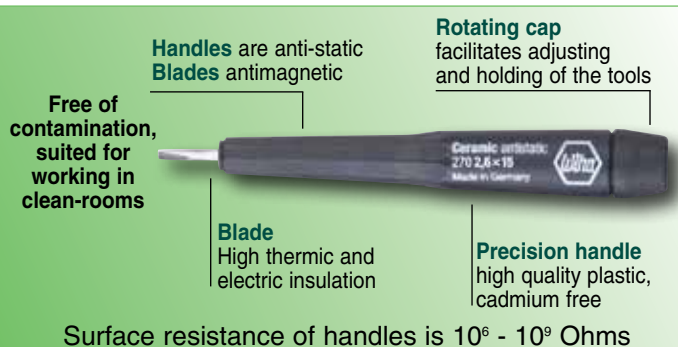


911 18 Rugged Polyester Canvas Storage Pouch

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

Item			
No.	Size	lbs.	pkg.
911 18	14 1/2" W x 7 3/4" L	.13	1

Wiha Precision Ceramic



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										
No.	mm	Inch	mm	Inch	mm	Inch	mm	Inch	lbs.	pkg.
270 09	0.9	.035	15	.59	0.35	.01	94.5	3.7	.14	1
270 13	1.3	.050	15	.59	0.35	.01	94.5	3.7	.14	1
270 18	1.8	.071	15	.59	0.45	.02	94.5	3.7	.14	1
270 26	2.6	.102	15	.59	0.45	.02	94.5	3.7	.14	1

*Metric dimensions actual - Inch dimensions approximate



271 Ceramic Phillips Screwdriver, With Wiha-Precision Handle.

Out of Anti-static Plastic Blade special ceramic, antimagnetic, for correct adjusting in high frequency areas.

Item							
No.	Size	mm	Inch	mm	Inch	lbs.	pkg.
271 00	0	15.0	.59	94.5	3.7	.14	1

*Metric dimensions actual - Inch dimensions approximate



270 90 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						
No.	mm	mm	Size	mm	lbs.	pkg.
270 90	0.9	15	0	15	.28	1
	2 6	15				

Wiha SYSTEM 4 Precision Handles and Blades

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

Tips
Exact fit, precision machined

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

Tapered Handle
allows rapid rotation, requires less clearance

15mm → 95mm

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

280 00 ESD Safe Dissipative Precision Handle with rotating control cap. Surface resistant 10^6-10^9 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	No.	mm	Inch	mm	Inch	lbs.
	280 00	4.0	.1574	14.0	.55	.04

280 01 ESD Safe Dissipative Precision Adjustable Handle with rotating control cap.

Advantages:

- Use in ESD sensitive applications. Surface resistant 10^6-10^9 Ohms.
- Collet lock allows for quick & easy adjustment.
- Holds blade securely in place. Accepts all SYSTEM 4 blades. 110mm/4.3" OAL

Item	No.	mm	Inch	mm	Inch	lbs.
	280 01	4.0	.1574	14.0	.55	.04

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

Item	No.	mm	mm	mm	Inch	lbs.
	269 03	1.5	+ 3.0	120	4.7	.05
	269 04	2.0	+ 3.5	120	4.7	.05
	269 05	2.5	+ 4.0	120	4.7	.06

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

Item	No.	mm	Size	mm	Inch	lbs.
	269 71	1.5+	000	120	4.7	.05
	269 72	2.0+	00	120	4.7	.05
	269 73	3.0+	0	120	4.7	.05
	269 74	4.0+	1	120	4.7	.06

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

Item	No.	Size	Size	mm	Inch	lbs.
	269 11	000	+ 00	120	4.7	.03
	269 12	0	+ 1	120	4.7	.03

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

Item	No.	Size	Size	mm	Inch	lbs.
	269 22	0	+ 1	120	4.7	.03

269 SYSTEM 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	No.	mm	mm	mm	Inch	lbs.
	269 32	1.27	+ 1.27	120	4.7	.05
	269 33	1.5	+ 1.5	120	4.7	.05
	269 34	2.0	+ 2.0	120	4.7	.06
	269 35	2.5	+ 2.5	120	4.7	.06
	269 36	3.0	+ 3.0	120	4.7	.06
	269 37	4.0	+ 4.0	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	No.	mm	mm	Inch	lbs.	pkg.
	280 33	1.5	120	4.7	.06	1
	280 34	2.0	120	4.7	.06	1
	280 35	2.5	120	4.7	.06	1
	280 36	3.0	120	4.7	.06	1
	280 37	4.0	120	4.7	.06	1

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	No.	Inch	mm	Inch	lbs.
	280 21	.050	120	4.7	.06
	280 23	1/16	120	4.7	.06
	280 24	5/64	120	4.7	.06
	280 25	3/32	120	4.7	.06
	280 26	7/64	120	4.7	.06
	280 27	1/8	120	4.7	.06
	280 28	9/64	120	4.7	.06
	280 29	5/32	120	4.7	.06

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	lbs.
269 13	.71	120	4.7	.06
269 14	.89	120	4.7	.06
269 15	1.27	120	4.7	.06
269 16	1.5	120	4.7	.06
269 17	2.0	120	4.7	.06
269 18	2.5	120	4.7	.06
269 19	3.0	120	4.7	.06
269 20	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	lbs.
269 21	.050	120	4.7	.06
269 23	1/16	120	4.7	.06
269 24	5/64	120	4.7	.06
269 25	3/32	120	4.7	.06
269 26	7/64	120	4.7	.06
269 27	1/8	120	4.7	.06
269 28	9/64	120	4.7	.06
269 29	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	lbs.
269 40	1.5 + 1.8	.12	.12	.03
269 41	2.0 + 2.5	.16	.16	.03
269 38	1.5 -	.11	.11	.04
269 39	1.8 -	.12	.12	.04
269 49	2.0 -	.13	.13	.06
269 50	2.5 -	.16	.16	.06
269 42	3.0 -	.20	.20	.06
269 43	3.2 -	.20	.20	.06
269 44	3.5 -	.22	.24	.06
269 45	4.0 -	.22	.24	.06
269 46	4.5 -	.25	.28	.06
269 47	5.0 -	.27	.28	.06
269 48	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	lbs.
269 62	3/32	.16	.16	.04
269 63	7/64	.20	.20	.04
269 64	1/8	.20	.20	.04
269 65	9/64	.21	.24	.04
269 66	5/32	.22	.24	.04
269 67	3/16	.26	.28	.04
269 68	7/32	.30	.32	.04
269 69	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.
269 51	T6 + T8	.03	
269 52	T7 + T9	.03	
269 53	T10 + T15	.03	
269 54	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.
269 55	T3	.03
269 56	T4	.03
269 57	T5	.03

Wiha SYSTEM 4 Drive-Loc Precision Locking Tools



269 61 ESD Safe Dissipative Precision Drive-Loc Handle Surface resistant 10^6 - 10^9 Ohms. 4 mm hex retainer for all SYSTEM 4 interchangeable blades. Ball retainer hold. 105mm/4.13" OAL

Item				
No.	mm	Inch	mm	lbs.
269 61	4.0	.1574	23	.91 .08



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

Item				
No.	mm	mm	mm	lbs.
269 58	1.5	+	3.0	.02
269 59	2.0	+	3.5	.02
269 60	2.5	+	4.0	.02



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

Item				
No.	Size	Size	Size	lbs.
269 75	000 + 00	.02		
269 76	0 + 1	.02		



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

Item				
No.	Size	Size	Size	lbs.
269 77	T1 + T2	.02		
269 78	T3 + T4	.02		
269 79	T5 + T6	.02		
269 80	T6 + T8	.02		
269 81	T7 + T9	.02		
269 82	T10 + T15	.02		

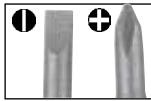


269 85 12 Piece SYSTEM 4 Precision ESD Drive-Loc Set In storage pouch

Item No.	
269 85	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 $10^6 - 10^9$ Ohms



269 90 Slotted & Phillips Precision Interchangeable Blade Set, 4 Pcs. Wiha ESD Safe precision collet lock handle and 3 Wiha interchangeable blades.

269 90 Set includes the following blades:

† **Slotted Sizes:** 2.0, 3.0, 4.0mm

⊕ **Phillips Sizes:** 00, 0, 1

↪ lbs. .17



280 80 Slotted, Phillips **TORX®** & Hex Precision Interchangeable Blade Set, 22 Pcs. Wiha ESD Safe precision collet lock handle and 20 Wiha interchangeable blades.

280 80 Set includes the following blades:

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

⊕ **Phillips Sizes:** 000, 00, 0, 1

⚙ **Torx Sizes:** T3, T4, T5, T6, T7, T8, T9, T10, T15

⬢ **Hex Sizes:** .028, .035

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

ESD Safe Chip Lifter

↪ lbs. .33



269 91 Slotted & Phillips Precision Interchangeable Blade Set, 6 Pcs. Wiha ESD Safe precision collet lock handle and 5 Wiha interchangeable blades. In canvas pouch.

269 91 Set includes the following blades:

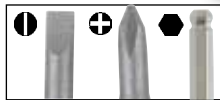
† **Slotted Sizes:** 1.5, 2.0, 2.5, 3.0, 3.5, 4.0mm

⊕ **Phillips Sizes:** 000, 00, 0, 1

↪ lbs. .29



Slotted, Phillips, Hex



269 92 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.

269 92 Set include the following blades:

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

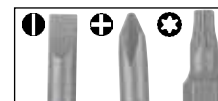
⊕ **Phillips Sizes:** 000, 00, 0, 1

⬢ **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



445 90 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.

445 90 Set includes the following blades:

† **Slotted Sizes:** 2.0, 3.0, 4.0mm

⊕ **Phillips Sizes:** 00, 0, 1

⚙ **Torx Sizes:** 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

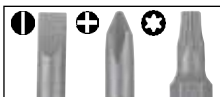
↪ lbs. .60



Slotted, Phillips, Torx® Set In Steel Box



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



280 94 Slotted, Phillips & Torx® Precision Interchangeable Blade Set, 11 Pcs. Wiha ESD Safe precision collet lock handle and 10 Wiha interchangeable blades.

280 94 Set includes the following blades:

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

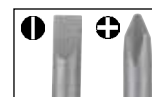
⊕ **Phillips Sizes:** 000, 00, 0, 1

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

↪ lbs. 1.51



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



269 93 Slotted & Phillips Precision Interchangeable Blade Set, 6 Pcs. Wiha ESD Safe precision collet lock handle and 5 Wiha interchangeable blades.

269 93 Set includes the following blades:

† **Slotted Sizes:** 1.5, 2.0, 2.5, 3.0, 3.5, 4.0mm

⊕ **Phillips Sizes:** 000, 00, 0, 1

↪ lbs. .87



ESD Technicians Kit Precision Screwdrivers & Tweezers

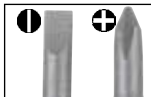
SYSTEM 4 Sets in Compact Fold-out box



- ESD Safe Precision Handle
Surface resistance of handles is $10^6 - 10^9$ Ohms
- High alloy CVM steel, hardened
- Exact fit tips



D



269 96 Slotted & Phillips Precision Interchangeable Blade Set, 5 Pcs. Wiha ESD Safe precision collet lock handle and 4 Wiha interchangeable blades.

269 96 Set includes the following reversible blades in Slotted/Phillips sizes:

↓ **Slotted Sizes:** 1.5, 2.0, 3.0, 3.5mm

↑ **Phillips Sizes:** 000, 00, 0, 1

↔ **lbs.** .24



D



269 97 Slotted, Phillips and TORX® Precision Interchangeable Blade Set, 9 Pcs. Wiha ESD Safe Precision Collet Lock handle and 8 Wiha Interchangeable blades.

269 97 Set includes the following blades:

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

↑ **Phillips Sizes:** 000, 00, 0, 1

⚙ **TORX® Sizes:** T6, T7, T8, T9, T10, T15

↔ **lbs.** .34



D



269 99 Hex Metric Precision Blade Set, 9 Pcs. Wiha ESD Safe Precision Collet Lock handle and 8 Wiha interchangeable blades.

269 99 Set includes the following blades:

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

↔ **lbs.** .36



D



269 89 Hex Inch Precision Blade Set, 9 Pcs. Wiha ESD Safe Precision Collet Lock handle and 8 Wiha interchangeable blades.

269 89 Set includes the following blades:

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

↔ **lbs.** .35



D



269 88 Nut Driver Inch Precision Blade Set, 9 Pcs. Wiha ESD Safe precision collet lock handle & 8 Wiha interchangeable blades.

269 88 Set includes the following blades:

⊙ **Nut Driver Inch Sizes:**

3/32, 7/64, 1/8, 9/64, 5/32,

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

↔ **lbs.** .39



D



269 98 Nut Driver Metric Precision Blade Set, 9 Pcs. Wiha ESD Safe precision collet lock handle and 8 Wiha interchangeable blades.

269 98 Set includes the following blades:

⊙ **Nut Driver Metric Sizes:**

2.0, 2.5, 3.0, 3.2, 3.5, 4.0,

4.5, 5.0, 5.5mm

↔ **lbs.** .40



D



269 95 TORX® Precision Interchangeable Blade Set, 5 Pcs. Wiha ESD Safe precision collet lock handle & 4 interchangeable blades.

269 95 Set includes the following blades:

⚙ **TORX® Sizes:**

T6, T7, T8, T9, T10, T15, T20

↔ **lbs.** .24



D



269 87 TORX® Precision Interchangeable Blade Set, 8 Pcs. Wiha ESD Safe precision collet lock handle and 7 interchangeable blades.

269 87 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



758 01 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.
758 01	4.0	.1574	14.0	.55	.06



759 00 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.
759 00	4.0	105	4.0	.07



759 01 Magnetic Bit Extension Blade For SYSTEM 4 Micro Bits.

Shaft CVM steel, hardened. Magnetic bit holder.

Item				
No.	Size	mm	mm	lbs.
759 01	4.0	105	4.0	.04



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

Item				
No.	mm	mm	Inch	lbs.
750 08	0.8	28	1.1	.01
750 12	1.2	28	1.1	.01
750 15	1.5	28	1.1	.01
750 18	1.8	28	1.1	.01
750 20	2.0	28	1.1	.01
750 25	2.5	28	1.1	.01
750 30	3.0	28	1.1	.01
750 35	3.5	28	1.1	.01
750 40	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.
751 05	000	28	1.1	.01
751 10	00	28	1.1	.01
751 15	0	28	1.1	.01
751 20	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.
753 07	.71	28	1.1	.01
753 09	.89	28	1.1	.01
753 13	1.27	28	1.1	.01
753 15	1.5	28	1.1	.01
753 20	2.0	28	1.1	.01
753 25	2.5	28	1.1	.01
753 30	3.0	28	1.1	.01
753 40	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.
753 07	.028	28	1.1	.01
753 09	.035	28	1.1	.01
753 13	.050	28	1.1	.01
753 50	1/16	28	1.1	.01
753 52	5/64	28	1.1	.01
753 54	3/32	28	1.1	.01
753 56	7/64	28	1.1	.01
753 58	1/8	28	1.1	.01
753 60	9/64	28	1.1	.01
753 40	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.
757 03	T3	28	1.1	.01
757 04	T4	28	1.1	.01
757 05	T5	28	1.1	.01
757 06	T6	28	1.1	.01
757 07	T7	28	1.1	.01
757 08	T8	28	1.1	.01
757 09	T9	28	1.1	.01
757 10	T10	28	1.1	.01
757 15	T15	28	1.1	.01
757 20	T20	28	1.1	.01



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

Item				
No.	mm	mm	Inch	lbs.
753 22	2.0	28	1.1	.01
753 27	2.5	28	1.1	.01
753 32	3.0	28	1.1	.01
753 42	4.0	28	1.1	.01



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

Item				
No.	Inch	mm	Inch	lbs.
753 62	5/64	28	1.1	.01
753 64	3/32	28	1.1	.01
753 66	7/64	28	1.1	.01
753 68	1/8	28	1.1	.01
753 70	9/64	28	1.1	.01
753 72	5/32	28	1.1	.01



757 SYSTEM 4 TORX® Tamper Resistant Bits High alloy CVM steel, hardened, on 4 mm stock.

Item				
No.	Size	mm	Inch	lbs.
757 27	T7s	28	1.1	.01
757 28	T8s	28	1.1	.01
757 29	T9s	28	1.1	.01
757 35	T10s	28	1.1	.01
757 39	T15s	28	1.1	.01
757 42	T20s	28	1.1	.01

Wiha SYS 4 Micro Bits & Compact Bit Sets

757 92 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

757 92 Set with ESD Safe Precision Handle 
Sets include the following bits:

 **TORX**® Sizes:

T3, T4, T5, T6, T7, T8, T9, T10, T15

105mm Bit Extension - non-magnetic

 lbs. .26

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



11 Pc. Set

759 sets 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

759 91 Set with Standard Precision Handle

759 92 Set with ESD Safe Precision Handle 

Sets include the following bits:

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

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

 **TORX**® Sizes: T3, T4, T5,

T6, T7, T8, T9, T10, T15

 **Hex Inch Sizes:** .050, 1/16, 5/64,

3/32, 7/64, 1/8, 9/64, 5/32"

 **105mm Bit Extension - non-magnetic**

 lbs. .34

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



27 Pc. Set

759 94 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
759 94 Set with ESD Safe Precision Handle 

Sets include the following bits:

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

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

 **TORX**® Sizes:

T3, T4, T5, T6, T7, T8, T9, T10, T15

 **Hex Metric Sizes:**

.71, .89, 1.27, 1.5, 2.0, 2.5, 3.0, 4.0mm

 **105mm Bit Extension - non-magnetic**

 lbs. .26

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



27 Pc. Set

759 96 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

759 96 Set with ESD Safe Precision Handle 

Sets include the following bits:

 **Slotted Sizes:** 0.8, 1.2, 1.5,

1.8, 2.0, 2.5, 3.0, 3.5, 4.0mm

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

 **TORX**® Sizes: T3, T4, T5,

T6, T7, T8, T9, T10, T15

 **Hex Metric Sizes:** 1.27, 1.5,

2.0, 2.5, 3.0, 4.0mm

 **Hex Inch Sizes:** .028, .035, .050,

1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32"

 **105mm Bit Extension - non-magnetic**

 lbs. 1.04

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



40 Pc. Set

759 90 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

759 90 Set with ESD Safe Precision Handle 

Sets include the following bits:

 **Slotted Sizes:** 0.8, 1.2, 1.5,

1.8, 2.0, 2.5, 3.0, 3.5, 4.0mm

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

 **TORX**® Sizes: T3, T4, T5,

T6, T7, T8, T9, T10, T15

 **Hex Metric Sizes:** 1.27, 1.5,

2.0, 2.5, 3.0, 4.0mm

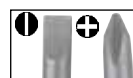
 **Hex Inch Sizes:** .028, .035, .050,

1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32"

 **105mm Bit Extension - non-magnetic**

 lbs. .65

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



40 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

Light weight & compact

Rotation cap

Handle tapered for precise control

Bits hardened for extreme durability

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

NEW
From Wiha



750 93 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

750 93 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
- **105mm Bit Extension**
- ↖ **lbs.** .17



NEW
From Wiha



750 95 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

750 95 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
- **105mm Bit Extension**
- ↖ **lbs.** .17



NEW
From Wiha



750 94 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

750 94 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"
- **105mm Bit Extension**
- ↖ **lbs.** .17



NEW
From Wiha

Micro Bit 1/4" Drive Power Tool Adapter



NEW
From Wiha

759 02 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.
759 02	1/4"	60	4.0	.05

Wiha ESD Safe SoftFinish Cushion Grip Bit Holders

NEW
From Wiha

Bit holders without
magnetics

For working on static
sensitive components

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

Dissipative
material offers
protection against
electrostatic
discharge



NEW
From Wiha



NEW
From Wiha

387 01 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 $10^6 - 10^9$ Ohm.

Item							
No.	Inch	mm	Inch	mm	Inch	lbs.	pkg.
387 01	1/4"	148	5.8	38	1.5	.18	1

281 80 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 $10^6 - 10^9$ Ohm.

Item					
No.	Inch	mm	Inch	lbs.	pkg.
281 80	1/4"	57	2.2	.11	1



In Durable
Pouch

NEW
From Wiha

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

387 90 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. 387 90

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

Available after March 1st, 2010



Wiha ESD Safe SoftFinish Cushion Grip Screwdrivers

For working on static sensitive components

Dissipative material offers protection against electrostatic discharge



SoftFinish cushion grip handle

CVM steel hardened, hard chrome Finish

DIN EN 61340-5-1/ 61340-5-2



D



302 92 Set 6 Pcs. ESD Safe Slotted & Phillips

DIN EN 61340-5-1/61340-5-2 Round blade, high alloy CVM steel, hardened, hard chromed. Dissipative SoftFinish® cushion grip handle, multi-component, ESD Safe (10⁶-10⁹ Ohm).

Item No.	mm	Inch	mm	Size	mm	lbs.
302 92	302 42*	3.0	.118	100	311 50 0 60	.96
	302 44*	4.0	.157	100	311 51 1 80	
	302 46*	5.5	.216	125	311 52 2 100	

*Cabinet Tips



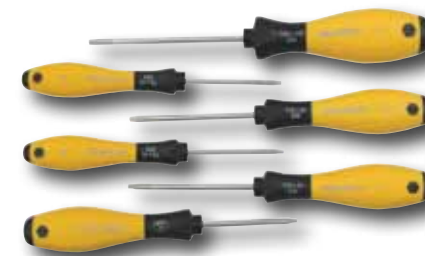
362 ESD Safe TORX® Screwdriver, With Wiha-SoftFinish® Handle

DIN EN 61340-5-1/61340-5-2 Round blade, high alloy CVM steel, hardened, hard chromed. Offers protection against electrostatic discharge. Dissipative SoftFinish® cushion grip handle, multi-component, ESD Safe (10⁶-10⁹ Ohm).

Item No.	Size	mm	Inch	mm	Inch	mm	Inch	lbs.	pkg.
362 60	T3	60	2.4	3.5	.139	164	6.5	.06	10
362 04	T4	60	2.4	3.5	.139	164	6.5	.06	10
362 00	T5	60	2.4	3.5	.139	164	6.5	.06	10
362 06	T6	60	2.4	3.5	.139	164	6.5	.06	10
362 08	T8	60	2.4	3.5	.139	164	6.5	.06	10
362 09	T9	60	2.4	4.0	.157	171	6.7	.10	10
362 18	T10	80	3.1	4.0	.157	191	7.5	.11	10
362 19	T15	80	3.1	4.0	.157	191	7.5	.11	10
362 24	T20	100	3.9	4.0	.157	211	8.3	.11	10



D



362 89 Set 6 Pcs. ESD Safe TORX® Screwdrivers

Round blade high alloy chrome-vanadium-molybdenum steel, hardened, Hard chrome finish with Wiha-Chromtop satin grip tips. Molded on SoftFinish® cushion grip handle, multi-component.

Item No.	Size	mm	Size	mm	lbs.
362 89	362 06	T6 60	362 18	T10 80	.81
	362 08	T8 60	362 19	T15 80	
	362 09	T9 60	362 24	T20 100	



302 ESD Safe Slotted Screwdrivers, With Wiha-SoftFinish® Handle

DIN EN 61340-5-1/61340-5-2 Round blade, high alloy CVM steel, hardened, hard chromed. Offers protection against electrostatic discharge. Dissipative SoftFinish® cushion grip handle, multi-component, ESD Safe (10⁶-10⁹ Ohm).

Item No.	mm	Inch	mm	Inch	mm	Inch	mm	Inch	lbs.	pkg.
302 40*	2.5	.098	75	3.0	0.4	.016	175	7.0	.06	10
302 42*	3.0	.118	100	3.9	0.5	.020	204	8.0	.06	10
302 44*	4.0	.157	100	3.9	0.8	.031	211	8.3	.11	10
302 46*	5.5	.216	125	5.0	1.0	.039	236	9.3	.15	10
302 48	6.5	.255	150	5.9	1.2	.047	268	10.6	.22	10

*Cabinet Tips



311 ESD Safe Phillips Screwdriver, With Wiha-SoftFinish® Handle

DIN EN 61340-5-1/61340-5-2 Round blade, high alloy CVM steel, hardened, hard chromed. Offers protection against electrostatic discharge. Dissipative SoftFinish® cushion grip handle, multi-component, ESD Safe (10⁶-10⁹ Ohm).

Item No.	Size	mm	Inch	mm	Inch	mm	Inch	lbs.	pkg.
311 50	0	60	2.4	3.0	1/8	164	6.5	.06	10
311 51	1	80	3.1	4.5	3/16	191	7.5	.11	10
311 52	2	100	3.9	6.0	1/4	218	8.6	.20	10



Wiha ESD Safe Interchangeable Sets



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

In Durable
Pouch

108 91 ESD Safe Slotted & Phillips Interchangeable Blade Set

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

Item

No. 108 91 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

108 92 ESD Safe Metric Nut Drivers Interchangeable Blade Set

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

Item

No. 108 92 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

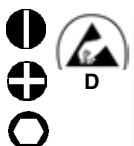
108 93 ESD Safe TORX® Interchangeable Blade Set

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

Item

No. 108 93 lbs. .70

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



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

In Durable
Pouch

108 95 ESD Safe Interchangeable Combo Blade Set

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

Item

No. 108 95 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

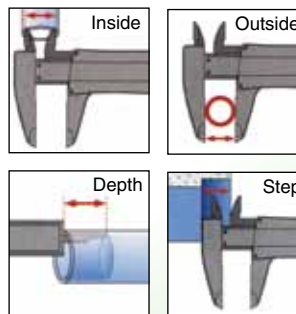
Non-metallic high-tech
material with 60% fiber
glass content, extremely
high rigidity.

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

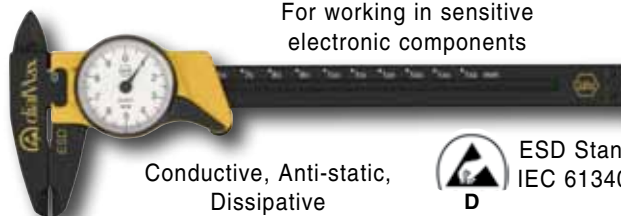
Made in
Switzerland



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.	
411 05	.001"	150	6	Inch	1	.10
411 06	0.1mm	150	6	Metric	1	.10



108 20 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.
108 20	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

284 86 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.
284 86	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.
281 06	3.5 4.5	.10	1
281 08	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.
281 07	3.0 0	.10	1
281 09	4.0 1	.10	1
281 10	6.0 2	.10	1



281 12 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.
281 12	1 2	.10	1



281 14 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.
281 14	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.
281 26	T6 T8	.10	1
281 27	T7 T9	.10	1
281 28	T10 T15	.10	1
281 29	T20 T25	.10	1
281 30	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.
281 32	T6s T8s	.10	1
281 33	T7s T9s	.10	1
281 34	T10s T15s	.10	1
281 35	T20s T25s	.10	1
281 36	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.
281 38	0 1	.10	1
281 39	2 3	.10	1
281 40	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.
281 42	2 4	.08	1
281 43	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.
281 16	2.5 2.5	.10	1
281 17	3 3	.10	1
281 18	4 4	.10	1
281 19	5 5	.10	1
281 20	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.
281 49	2.0 2.5	.09	1
281 50	3.0 4.0	.10	1
281 51	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.
281 22	3/32 7/64	.10	1
281 23	1/8 9/64	.10	1
281 24	5/32 3/16	.10	1



911 18 Rugged Polyester Canvas Storage Pouch

Holds 7 Drive-Loc VI blades and handle. Folding pouch. Has security flaps and velcro closer.

Item No.	Size	lbs.	pkg.
911 18	14 1/2" W x 7 3/4" L	.13	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.
281 56	3/16	150	.11	1
281 57	7/32	150	.11	1
281 58	1/4	150	.11	1
281 59	9/32	150	.12	1
281 60	5/16	150	.13	1
281 61	11/32	150	.14	1
281 62	3/8	150	.15	1
281 63	7/16	150	.17	1
281 64	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.
281 68	4.0	150	.10	1
281 69	4.5	150	.10	1
281 70	5.0	150	.11	1
281 71	5.5	150	.11	1
281 72	6.0	150	.12	1
281 73	7.0	150	.13	1
281 74	8.0	150	.13	1
281 77	9.0	150	.14	1
281 75	10.0	150	.15	1
281 76	11.0	150	.20	1



281 44 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.
281 44	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					
No.	Inch lbs.	Increments	mm	lbs.	pkg.	Repeatable
285 22*	15 - 80(in/oz)	2.5 Inch oz	122 - 127	.33	1	+/- 10%
285 24	5 - 10	.2 Inch lbs	122 - 127	.34	1	+/- 6%
285 26	7.5 - 20	.5 Inch lbs	126 - 131	.42	1	+/- 6%

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

Each TorqueVario handle has unique serial number and certificate of calibration



With Certificate
of Calibration
+/- 6%

285 91 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.		
285 91	Slotted: 1.5, 2.0, 3.0, 4.0mm	lbs.
	Phillips: #00, #0, #1	1.31
	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 $10^6 - 10^9$ Ohms

285 92 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.		
285 92	Slotted: 1.5, 2.0, 3.0, 4.0mm	lbs.
	Phillips: #00, #0, #1	1.31
	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 $10^6 - 10^9$ 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					Max. Torque	
No.	mm	Inch	mm	lbs.	Nm	pkg.
288 01	1.5	.059	175	.07	0.15	1
288 03	2.0	.078	175	.07	0.4	1
288 05	3.0	.118	175	.07	0.6	1
288 07	3.5	.139	175	.07	1.1	1
288 09	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					Max. Torque	
No.	Size	mm	mm	lbs.	Nm	pkg.
288 10	000	175	4.0	.07	0.4	1
288 12	00	175	4.0	.07	0.4	1
288 14	0	175	4.0	.07	0.9	1
288 16	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					Max. Torque	
No.	Size	mm	mm	lbs.	Nm	pkg.
288 25	T5	175	4.0	.07	0.4	1
288 26	T6	175	4.0	.07	0.6	1
288 27	T7	175	4.0	.07	0.9	1
288 28	T8	175	4.0	.07	1.3	1
288 29	T9	175	4.0	.07	2.5	1
288 30	T10	175	4.0	.07	3.8	1



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

With Certificate
of Calibration +/- 10%

288 90 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.		
288 90	Slotted: 1.5, 2.0, 3.0, 4.0mm Phillips: #00, #0, #1	lbs.
	TORX®: T6, T7, T8, T9, T10, T15	1.33
	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 $10^6 - 10^9$ Ohms



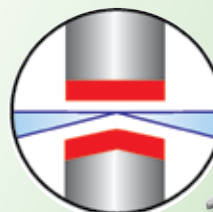
Beveled Cutter



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

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

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


Precision Cutters Tapered Head

Semi Flush



115mm


 9.5mm
7.5mm

#327 03 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

#327 03	mm	Inch	Copper	Head Width	Pkg.	wt.
	115	4.5	1.0	9.5mm	1	.19

Precision Cutters Tapered Head

Flush



115mm


 9.5mm
6.0mm

#327 05 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

#327 05	mm	Inch	Copper	Head Width	Pkg.	wt.
	115	4.5	1.0	9.5mm	1	.19

Precision Cutters Tapered Head

Semi Flush



115mm


 9.5mm
7.5mm

#327 02 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

#327 02	mm	Inch	Copper	Head Width	Pkg.	wt.
	115	4.5	1.0	9.5mm	1	.19

Precision Cutters Tapered Head

Flush



115mm


 9.5mm
6.0mm

#327 04 Precision Cutters, Small Tapered Head With Hollow Ground Back, Flush

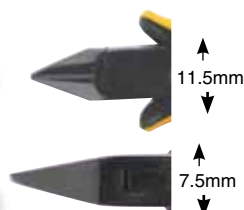
Cutters drop-forged for an ideal material structure. Precise aligned cutting edges are additionally induction hardened at a hardness of Approx. 64°HRC. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

#327 04	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



327 06 Precision Cutters, Wide Tapered Head, Bevel

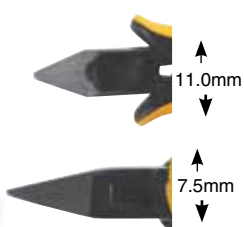
Cutters drop-forged for an ideal material structure. Precise aligned cutting edges are additionally induction hardened at a hardness of Approx. 64°HRC. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

#327 06	mm	Inch	Copper	Head Wdth	Pkg.	wt.
	115	4.5	1.4	11.0mm	1	.20

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

Precision Cutters Wide Tapered Head

Flush



327 08 Precision Cutters, Wide Tapered Head, Flush

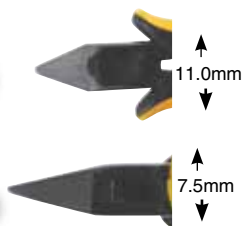
Cutters drop-forged for an ideal material structure. Precise aligned cutting edges are additionally induction hardened at a hardness of Approx. 64°HRC. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

#327 08	mm	Inch	Copper	Head Wdth	Pkg.	wt.
	115	4.5	1.2	11.0mm	1	.19

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

Precision Cutters Wide Tapered Head

Full Flush



327 10 Precision Cutters, Wide Tapered Head, Full Flush

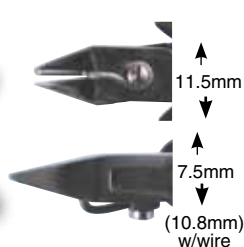
Cutters drop-forged for an ideal material structure. Precise aligned cutting edges are additionally induction hardened at a hardness of Approx. 64°HRC. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

#327 10	mm	Inch	Copper	Head Wdth	Pkg.	wt.
	115	4.5	1.0	11.0mm	1	.23

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

Precision Cutters Wide Tapered Head

Flush



327 11 Precision Cutters, Wide Tapered Head With Wire Trapping Device, Flush

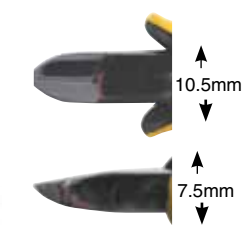
Cutters drop-forged for an ideal material structure. Precise aligned cutting edges are additionally induction hardened at a hardness of Approx. 64°HRC. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

#327 11	mm	Inch	Copper	Head Wdth	Pkg.	wt.
	115	4.5	1.2	11.0mm	1	.19

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

Precision Cutters Slim Oval Form

Flush



327 12 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

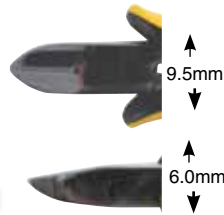
#327 12	mm	Inch	Copper	Head Wdth	Pkg.	wt.
	115	4.5	1.0	10.5mm	1	.23

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

Wiha ESD Safe Pliers & Cutters

Precision Cutters Slim Oval Form

Full Flush



327 14 Precision Cutters, Slim Oval Head, Full Flush

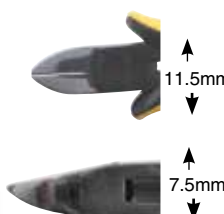
Cutters drop-forged for an ideal material structure. Precise aligned cutting edges are additionally induction hardened at a hardness of Approx. 64°HRC. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

#327 14	mm	Inch	Copper	Head Width	Pkg.	wt.
	115	4.5	1.2	10.0mm	1	.23

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

Precision Cutters Slim Oval Form

Bevel



327 16 Precision Cutters, Wide Oval Head, Bevel

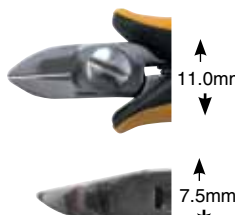
Cutters drop-forged for an ideal material structure. Precise aligned cutting edges are additionally induction hardened at a hardness of Approx. 64°HRC. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

#327 16	mm	Inch	Copper	Head Width	Pkg.	wt.
	115	4.5	1.4	11.0mm	1	.19

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

Precision Cutters Wide Oval Form And Carbide Edge

Bevel



327 18 Precision Cutters, Wide Oval Head Carbide Cutting Edges, Bevel

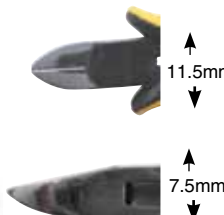
Cutters drop-forged for an ideal material structure. Precise aligned carbide cutting edge. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

#327 18	mm	Inch	Copper	Head Width	Pkg.	wt.
	110	4 3/8	1.6	11.0mm	1	.20

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

Precision Cutters Wide Oval Form

Flush



327 20 Precision Cutters, Wide Oval Head, Flush

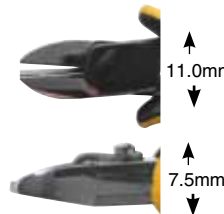
Cutters drop-forged for an ideal material structure. Precise aligned cutting edges are additionally induction hardened at a hardness of Approx. 64°HRC. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

#327 20	mm	Inch	Copper	Head Width	Pkg.	wt.
	115	4.5	1.2	11.0mm	1	.19

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

Precision Cutters Wide Oval Form

Flush



327 21 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

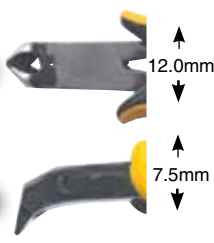
#327 21	mm	Inch	Copper	Head Width	Pkg.	wt.
	115	4.5	1.2	11.0mm	1	.23

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

Wiha ESD Safe Pliers & Cutters

Oblique Angled Cutters

Flush



327 22 Oblique Angled Cutters, 29°, Flush

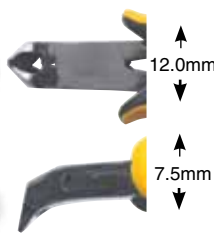
Oblique Cutters drop-forged for an ideal material structure. Precise aligned cutting edges are additionally induction hardened at a hardness of Approx. 64°HRC. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

#327 22	mm	Inch	Copper	Head Wdth	Pkg.	wt.
	115	4.5	1.2	12.0mm	1	.24

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

Oblique Angled Cutters

Ultra Full Flush



327 24 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

#327 24	mm	Inch	Copper	Head Wdth	Pkg.	wt.
	115	4.5	1.0	12.0mm	1	.24

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

Oblique Angled Cutters

Semi Flush



327 26 Oblique Angled Cutters, 29°, Short Head, Semi Flush

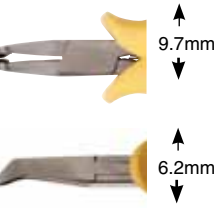
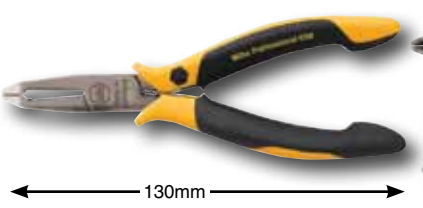
Oblique Cutters drop-forged for an ideal material structure. Precise aligned cutting edges are additionally induction hardened at a hardness of Approx. 64°HRC. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

#327 26	mm	Inch	Copper	Head Wdth	Pkg.	wt.
	115	4.5	1.2	12.0mm	1	.24

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

Oblique Front Cutters

Flush



327 28 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

#327 28	mm	Inch	Copper	Head Wdth	Pkg.	wt.
	130	5.1	0.6	8.5mm	1	.21

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

ESD Safe Tool Set In Canvas Pouch



327 93 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

#327 93 11 piece ESD Safe Pliers & Slotted/Phillips Precision Drivers

Set in custom case includes:

ESD Safe Pliers & Cutters

32705 4.5" Tapered Flush Cutters	32742 4.5" Snipe Nose Pliers
32728 4.375" Oblique Cutters	32746 5.7" Long Nose Pliers

ESD Safe Screwdrivers

27220 Slotted 2.0mm	27305 Phillips #00
27225 Slotted 2.5mm	27310 Phillips #0
27230 Slotted 3.0mm	27320 Phillips #1
27235 Slotted 3.5mm	

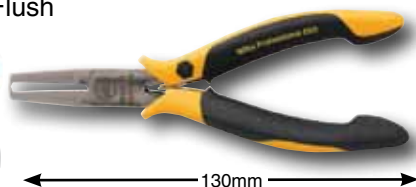
⚖ lbs. 2.43

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

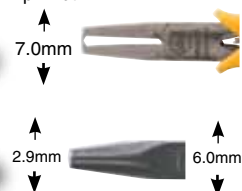
Wiha ESD Safe Pliers & Cutters

End Cutters Extra Slim

Semi Flush



Tip Width



327 32 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

#327 32	mm	Inch	Copper	Tip Wdth	Pkg.	wt.
	130	5.1	0.6	4.1mm	1	.16

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

End Cutters Wide Head

Flush



327 34 End Cutters, Wide Head, Flush

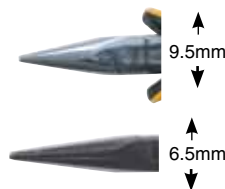
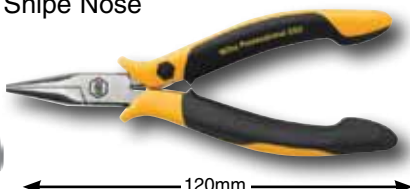
End Cutters drop-forged for an ideal material structure. Precise aligned cutting edges are additionally induction hardened at a hardness of Approx. 64°HRC. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

#327 34	mm	Inch	Copper	Head Wdth	Pkg.	wt.
	115	4.5	1.4	11.0mm	1	.18

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

ESD Safe Pliers

Short Snipe Nose



327 42 ESD Safe Pliers, Short Snipe Nose (Chain Nose) Straight, Serrated Jaws

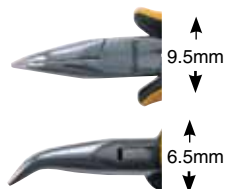
Pliers drop-forged for an ideal material structure. Precisely aligned, jaws, hardened. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

#327 42	mm	Inch	Head Wdth	Pkg.	wt.
	120	4 3/4	9.5mm	1	.20

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

ESD Safe Pliers

Bent Snipe Nose 45°



327 44 ESD Safe Pliers, Snipe Nose (Chain Nose) Bent 45°, Smooth Jaws

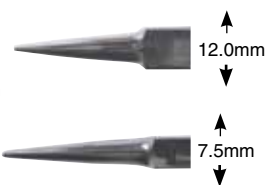
Pliers drop-forged for an ideal material structure. Precisely aligned, jaws, hardened. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

#327 44	mm	Inch	Head Wdth	Pkg.	wt.
	120	4 3/4	9.5mm	1	.20

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

ESD Safe Pliers

Long Needle Nose



327 46 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

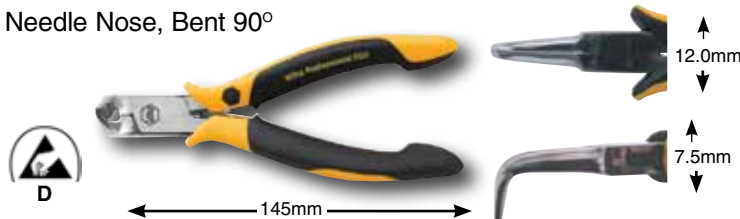
#327 46	mm	Inch	Head Wdth	Pkg.	wt.
	145	5 3/4	12.0mm	1	.27

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

Wiha ESD Safe Pliers & Cutters

ESD Safe Pliers

Needle Nose, Bent 90°



327 48 ESD Safe Pliers, Needle Nose Pliers, Bent 90°, Smooth Jaws

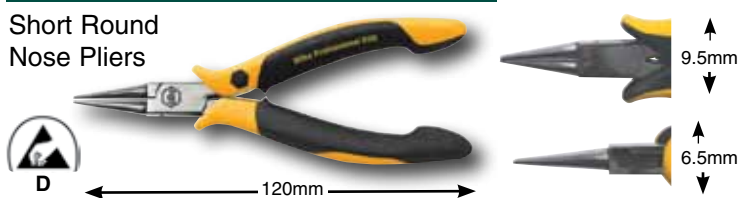
Pliers drop-forged for an ideal material structure. Precisely aligned, jaws, hardened. Two component non-slip soft grip handle, ESD Safe Dissipative. ESD standard IEC 61340-5-1

#327 48	mm	Inch	Head Width	Pkg.	wt.
	145	5 3/4	12.0mm	1	.21

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

ESD Safe Pliers

Short Round Nose Pliers



327 50 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

#327 50	mm	Inch	Head Width	Pkg.	wt.
	120	4 3/4	9.5mm	1	.17

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

ESD Safe Pliers

Short Flat Nose Pliers



327 52 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

#327 52	mm	Inch	Head Width	Pkg.	wt.
	120	4 3/4	9.5mm	1	.16

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

ESD standard
IEC 61340-5-1



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



ESD standard
IEC 61340-5-1



327 91 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.

#327 91 11 piece ESD Safe Pliers, Tweezers & SYS 4 precision Set in custom case includes:

ESD Safe Pliers & Cutters

32716 4.5" Oval Side Cutters 32746 5.75" Long Nose Pliers
32752 4.75" Flat Nose Pliers 32728 4.375" Oblique Cutters

SYSTEM 4 Set in separate pouch

28000 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

327 90 4 Pc. 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.

#327 90 4 piece ESD Safe Pliers Set

Set includes:

32716 4.5" Oval Side Cutters

32746 5.75" Long Nose Pliers

32752 4.75" Flat Nose Pliers

32728 4.375" Oblique Cutters

lbs. 2.06

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

Wiha ESD Safe Protturn Pliers & Cutters

protturn

NEW
 From Wiha

Protturn available Spring 2010

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

Glare free black finish



Hardened steel return spring

ESD standard IEC 61340-5-1

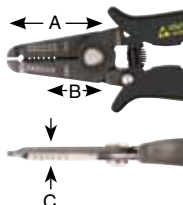


Surface resistance of handles is $10^6 - 10^9$ Ohms

ESD Safe Wire Stripper

protturn


165mm


458 10 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.

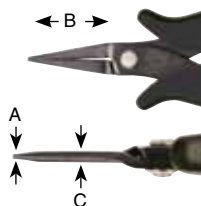
Strips 0.2, 0.3, 0.4, 0.5, 0.6, 0.8mm

#458 10	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


458 11 Protturn ESD Safe Long Nose Pliers

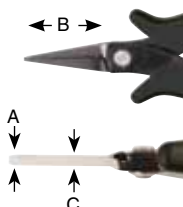
ESD standard IEC 61340-5-1. C70 special tool steel. Glare free, black finish. ESD Safe handle with non-slip grips.

#458 11	mm	Inch	A	B	C	Pkg.	wt.
	160	6.3	2mm	30mm	3mm	1	.18

ESD Safe Flat Nose Pliers

protturn


160mm


458 12 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.

#458 12	mm	Inch	A	B	C	Pkg.	wt.
	160	6.3	2mm	32mm	3mm	1	.18

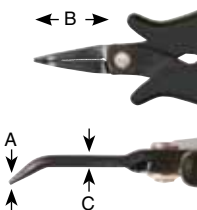
Wiha ESD Safe Protturn Pliers & Cutters

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

NEW
From Wiha

Protturn available Spring 2010

ESD Safe Bent Nose Pliers

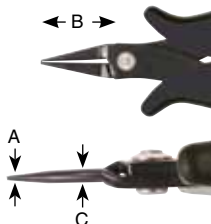


#458 13 Protturn ESD Safe Bent Nose Pliers

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

#458 13	mm	Inch	A	B	C	Pkg.	wt.
	152	6.0	2mm	30mm	4mm	1	.18

ESD Safe Round Nose Pliers

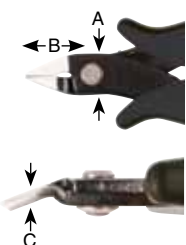


#458 14 Protturn ESD Safe Round Nose Pliers

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

#458 14	mm	Inch	A	B	C	Pkg.	wt.
	152	6.0	2mm	22mm	3mm	1	.17

ESD Safe Diagonal Cutter

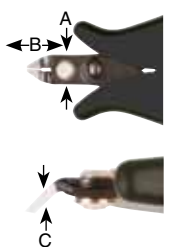


#458 20 Protturn ESD Safe 21° Precision Cutters/Flush Cut

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

#458 20	mm	Inch	AWG	A	B	C	Pkg.	wt.
	127	5.0	18/1mm	13mm	12mm	3mm	1	.16

ESD Safe Diagonal Cutter



#458 21 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.

#458 21	mm	Inch	AWG	A	B	C	Pkg.	wt.
	127	5.0	18/1mm	10mm	9mm	2mm	1	.14

ESD Safe Diagonal Cutter



#458 22 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.

#458 22	mm	Inch	AWG	A	B	C	Pkg.	wt.
	140	5.5	16/1.3mm	13mm	12mm	3mm	1	.15

NEW
From Wiha

Wiha ESD Safe Protturn Pliers & Cutters

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

Protturn available Spring 2010

ESD Safe Diagonal Cutter

protturn

 21°
Angle

458 23 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.

#458 23	mm	Inch	AWG	A	B	C	Pkg.	wt.
	133	5.25	14/1.6mm	10mm	10mm	2mm	1	.14

ESD Safe Diagonal Cutter

protturn


45° Angle


458 24 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.

#458 24	mm	Inch	AWG	A	B	C	Pkg.	wt.
	140	5.5	14/1.6mm	13mm	12mm	2.5mm	1	.16

protturn

NEW
From Wiha

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

 ESD standard
IEC 61340-5-1

458 90 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.

#458 90 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.
445 01	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.
445 06	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.
445 02	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.
445 07	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.
445 03	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.
445 08	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.
445 04	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.
445 09	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.
445 05	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.
445 10	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.
445 11	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.
445 18	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.
445 12	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.
445 20	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.
445 13	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.
445 21	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.
445 14	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.
445 22	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.
445 15	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.
445 23	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.
445 24	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.
445 29	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.
445 25	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.
445 30	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.
445 26	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.
445 31	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.
445 27	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.
445 32	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.
445 28	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.
445 33	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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