



2017



wiha

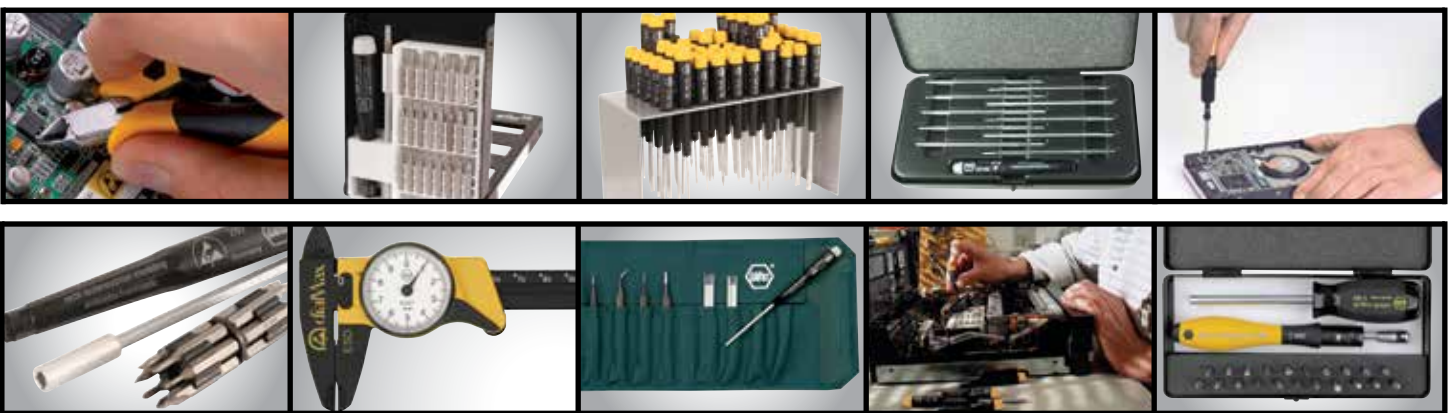
Tools that work for you

Professional ESD Safe Tools

For working on static sensitive electronic components!



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.

This Article courtesy of Desco Industries, Inc

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.



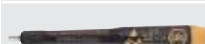
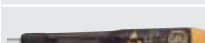
Upset or latent failures may pass your company’s quality control testing program. In other words, static damage may occur that cannot be felt, seen, or detected through normal testing procedures.

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

	Description	Page
	Prec. Slotted/Phillips	4
	Prec. Torx/TorxPlus	5
	Prec. Hex Screwdrivers	6
	Prec. Nut Drivers	6

ESD Safe SYSTEM 4 Handles/Blades & Sets

	Description	Page
	SYSTEM 4	7-10
	Drive-Loc Precision	11

ESD Safe Micro Bit Handles/Bits & Sets



Description	Page
Micro Bits	11-15

ESD Safe SYS 4 ESD Safe Micro Bit Sets

Description	Page
Micro Bit Sets	15

ESD Safe Cushion Grip Bit Holders

Description	Page
SoftFinish® Bit Holders	16
Quick Release Bit Holder	16

ESD Safe Cushion Grip Screwdrivers

Description	Page
SoftFinish® Slotted Drivers	16-17
SoftFinish® Phillips Drivers	16-17
SoftFinish® Torx® Drivers	16-17

ESD Safe Interchangeable Blade Sets

Description	Page
Interchangeable ESD Sets	17

ESD Safe Calipers Index

Description	Page
Calipers	17

ESD Safe Drive-Loc VI Handle & Blades

Description	Page
Drive-Loc VI Handle, Blades & Set	18-19

ESD Safe TorqueControl Tools

Description	Page
TorqueControl Drivers	20
TorqueControl Blades	20

ESD Safe Pliers & Cutters Index

Description	Page
Diagonal Cutters Tapered Head	21
Diagonal Cutters Wide Tapered & Oval Head	21-22
Diagonal Cutters Wide Oval & Wide Form	22
Oblique Angled Cutters Carbide Edge	23
End Cutters	23
Pliers	23-24

ESD Safe Protturn Pliers & Cutters Index

Description	Page
Protturn Wire Strippers 30 to 20 AWG	25
Protturn Pliers Long, Flat, Bent, Round Nose	26
Precision Cutters/Flush Cut 21° & 45° Angle	26

ESD Safe Tweezers Index

Description	Page
Tweezers	27-29



Precision ESD Safe Dissipative Screwdrivers

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

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 $10^6 - 10^9$ Ohms



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.	Slotted:	lbs.
27390	1.5, 2.0, 2.5, 3.5mm	.30
	Phillips:	.30
	#00, 0, 1	



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	lbs.	pkg.
27208	.8	1/32	40	1.6	0.16	120	4.7	.02 10
27210	1.0	.039	40	1.6	0.18	120	4.7	.02 10
27212	1.2	3/64	40	1.6	0.20	120	4.7	.02 10
27215	1.5	1/16	40	1.6	0.25	120	4.7	.02 10
27218	1.8	5/64	40	1.6	0.30	120	4.7	.02 10
27220	2.0	5/64	40	1.6	0.40	120	4.7	.02 10
27222	2.0	5/64	75	3.0	0.40	155	6.1	.03 10
27223	2.0	5/64	100	3.9	0.40	180	7.1	.03 10
27224	2.0	5/64	150	5.9	0.40	260	10.2	.04 10
27225	2.5	3/32	50	2.0	0.40	145	5.7	.04 10
27227	2.5	3/32	100	3.9	0.40	195	7.7	.04 10
27228	2.5	3/32	150	5.9	0.40	245	9.6	.04 10
27230	3.0	1/8	50	2.0	0.50	145	5.7	.04 10
27232	3.0	1/8	100	3.9	0.50	210	8.3	.04 10
27234	3.0	1/8	150	5.9	0.50	260	10.2	.05 10
27235	3.5	9/64	60	2.4	0.60	170	6.7	.06 10
27237	3.5	9/64	100	3.9	0.60	210	8.3	.06 10
27238	3.5	9/64	150	5.9	0.60	260	10.2	.06 10
27240	4.0	5/32	60	2.4	0.80	170	6.7	.06 10
27242	4.0	5/32	100	3.9	0.80	210	8.3	.06 10
27243	4.0	5/32	150	5.9	0.80	260	10.2	.07 10

*Metric dimensions actual - Inch dimensions approximate



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.	Slotted:	lbs.
27290	.8, 1.0, 1.2, 1.5, 2.0, 2.5, 3.0, 3.5mm	.54



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	.04	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



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. Storage pouch. ESD standard IEC 61340-5-1.

Item No.	Slotted:	lbs.
27399	1.5, 2.0, 2.5, 3.0mm	.50
	Phillips:	.50
	#000, 00, 0, 1	



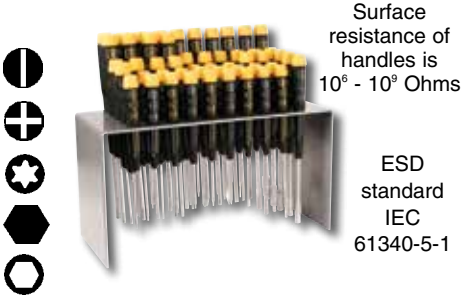
27393 Set 7 Pcs. Extra Long Slotted/Phillips Precision ESD Safe Dissipative Handle

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

Item No.	Slotted:	lbs.
27393	2.0, 2.5, 3.0, 3.5, 4.0mm	.50
	Phillips:	.50
	#0, 1	

ESD Safe Dissipative Precision Screwdrivers

Surface resistance of handles is 10⁶ - 10⁹ Ohms



Surface resistance of handles is 10⁶ - 10⁹ Ohms

ESD standard IEC 61340-5-1

92092 Master Technicians Bench Top Set

Metal frame. Equipped with 50 precision ESD Safe screwdrivers.

Item No.	Slotted: .8, 1.0, 1.2, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0mm
92092	Phillips: #000, #00, #0, #1
	TORX®: T1, T2, T3, T4, T5, T6, T7, T8, T9, T10, T15, T20
lbs.	Metric Hex: .7, .9, 1.3, 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



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



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

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.	TORX® :	lbs.
27890	T4, T5, T6, T7, T8, T9, T10	.31



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.	TORXPlus®:	lbs.
27894	IP5, IP6, IP7, IP8, IP9, IP10, IP15	.27



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

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. In storage pouch.

Item No.	TORX® :	lbs.
27899	T1, T2, T3, T4, T5, T6, T7 Chip Lifter	.47

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 No.	mm	mm	mm	mm	Inch	lbs.	pkg.
27920	1	3.5	50	145	5.7	.07	1

ESD Safe dissipative handle

Wiha Precision ESD Safe Dissipative Screwdrivers

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



275 Inch Hex Inch Driver, With Precision ESD Safe Dissipative Handle

Item No.	Inch	mm	Inch	mm	Inch	lbs.	pkg.
27505	0.028	40	1.6	120	4.7	.02	10
27510	0.035	40	1.6	120	4.7	.02	10
27513	0.05	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



275 Metric Hex Metric Driver, With Precision ESD Safe Dissipative Handle

Blade high alloy CVM 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	0.7	40	1.6	120	4.7	.02	10
27509	0.9	40	1.6	120	4.7	.02	10
27513	1.3	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

ESD standard IEC 61340-5-1



27591 Set 8 Pcs. Hex Inch Precision ESD Safe Dissipative Handle

Item No.	Hex Inch:	lbs.
27591	.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32"	.57

ESD standard IEC 61340-5-1



27590 Set 8 Pcs. Hex Metric Precision ESD Safe Dissipative Handle

Item No.	Hex Metric:	lbs.
27590	.7, .9, 1.3, 1.5, 2.0, 2.5, 3.0, 4.0mm	.53

Wiha Precision ESD Safe Dissipative Screwdrivers

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

ESD standard IEC 61340-5-1



277 Inch Nut Driver, With Precision ESD Safe Dissipative Handle

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

*Metric dimensions actual - Inch dimensions approximate

ESD standard IEC 61340-5-1



277 Metric Nut Driver, With Precision ESD Safe Dissipative Handle

Item No.	mm	mm	Inch	mm	Inch	Inch	lbs.	pkg.
27720	1.5	60	2.4	140	2.5	3.0	.03	10
27721	1.8	60	2.4	140	2.9	3.5	.03	10
27722	2.0	60	2.4	140	3.2	4.0	.04	10
27725	2.5	60	2.4	140	4.0	4.0	.05	10
27730	3.0	60	2.4	155	5.0	5.0	.06	10
27735	3.5	60	2.4	155	5.3	6.0	.06	10
27740	4.0	60	2.4	155	5.5	6.0	.06	10
27745	4.5	60	2.4	155	6.2	7.0	.06	10
27750	5.0	60	2.4	155	6.8	7.0	.06	10
27755	5.5	60	2.4	170	7.6	8.0	.07	10
27760	6.0	60	2.4	170	9.6	10.0	.07	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

Item No.	Inch Nut Drivers:	lbs.
27791	3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4"	.68

ESD standard IEC 61340-5-1



27790 Set 8 Pcs. Metric Nut Driver Precision ESD Safe Dissipative Handle

Item No.	Metric Nut Drivers:	lbs.
27790	1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 5.0, 5.5mm	.63

Wiha SYS 4 Precision Handles & Blades



Rotating Cap
for precise turning and control

Tapered Handle
allows rapid rotation, requires less clearance


Precision Handle
high quality plastic. ESD Safe or Standard styles

Tips
Exact fit, precision machined






Blades
CVM steel, hardened, hard chromed. On 4mm Hex shafts

Surface resistance of handles is 10⁶ - 10⁹ Ohms

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



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					
No.	mm	Inch	mm	Inch	lbs.
28000	4.0	.1574	14.0	.55	.04








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


- 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					
No.	mm	Inch	mm	Inch	lbs.
28001	4.0	.1574	14.0	.55	.04









269 SYSTEM 4 Phillips Reversible Blade

Item					
No.	Size	Size	mm	Inch	lbs.
26911	000 + 00		120	4.7	.03
26912	0 + 1		120	4.7	.03









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.
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	









269 SYSTEM 4 Combined Slotted/Phillips Reversible Blade

Item					
No.	mm	Size	mm	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	








26922 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.
26922	0 + 1		120	4.7	.03

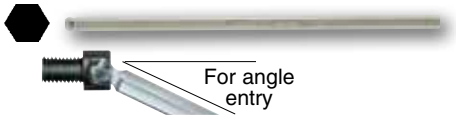


269 SYS 4 Metric Ball End & Standard Hex, Reversible Blade CVM steel, hardened, hard chromed. Wiha vapor Chrome-Top finish on tips. One side hex, other side ballpoint hex.

Item					
No.	mm	mm	mm	Inch	lbs.
26932	1.3 + 1.3	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	

Notes:

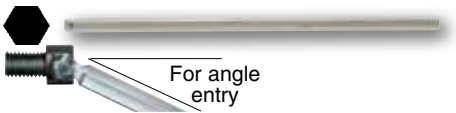
Blank lines for notes.



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.	
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	



280 SYSTEM 4 Inch Ball End Hex

Interchangeable Blade

Item						
No.	Inch	mm	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 Metric Hex Sizes,

Interchangeable Blade High alloy CVM steel, hardened, corrosion protected.

Item					
No.	mm	mm	Inch	lbs.	
26913	0.7	120	4.7	.06	
26914	0.9	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

Item						
No.	Inch	mm	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		

Wiha SYSTEM 4 Precision Blades



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

Item				
No.	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 120mm/4.7" OAL

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

Wiha Canvas Pouch Sets

Surface resistance of handles is 10⁶ - 10⁹ Ohms

Canvas Pouch



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

Canvas Pouch



26991 Slotted & Phillips Precision Interchangeable Blade Set, 6 Pcs.

Wiha ESD Safe precision collet lock handle and 5 Wiha interchangeable blades.

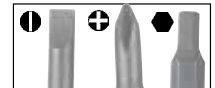
26991 Set includes the following blades:

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

Phillips: 000, 00, 0, 1

lbs. .29

Canvas Pouch



26992 Slotted, Phillips & Ball End Hex Metric/Inch Precision Interchangeable Blade Set, 17 Pcs. Wiha ESD Safe

precision collet lock handle and 15 Wiha interchangeable blades.

26992 Includes 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:

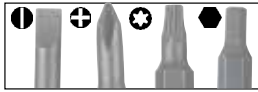
1.5, 2.0, 2.5, 3.0, 4.0mm

ESD Safe Chip Lifter

lbs. .63

Wiha Canvas Pouch Sets

Surface resistance of handles is 10⁶ - 10⁹ Ohms




Canvas Pouch



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"

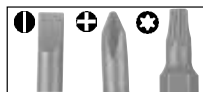
ESD Safe Chip Lifter


↔ lbs. .33

ESD Safe


Technicians Kit

Precision Screwdrivers & Tweezers



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. In canvas pouch.

44590 Set includes the following blades:

↓  **Slotted:** 2.0, 3.0, 4.0mm

⊕ **Phillips:** 00, 0, 1

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

ESD Safe Precision Tweezers:

Fine Point - AA SA

Extra Fine Point - 5 SA

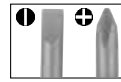
Flat and Blunt - 2a SA

Curved Fine Point - 7a SA


↔ lbs. .60

ESD Anti-Static Vinyl Pouch Sets


ESD Safe



28091 6 Pc. Slotted & Phillips Precision Interchangeable Blade Set

Wiha-ESD Safe  precision collet lock handle and 5 Wiha interchangeable blades.

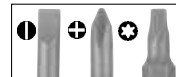
28091 Set includes the following blades:

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


⊕ **Phillips:** 000, 00, 0, 1

↔ lbs. .25


ESD Safe



28097 9 Pc. Slotted, Phillips & **TORX**® Precision Interchangeable Blade Set

Wiha ESD Safe  precision collet lock handle and 8 Wiha Interchangeable blades.

28097 Set includes the following blades:

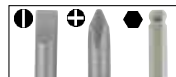
↓  **Slotted:** 1.5, 2.0, 3.0, 4.0mm

⊕ **Phillips:** 000, 00, 0, 1


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

↔ lbs. .33

ESD Safe



28084 13 Pc. Slotted, Phillips & Ball End Hex Inch Precision Interchangeable Blade Set

Wiha ESD Safe  precision collet lock handle and 12 Wiha interchangeable blades.

28084 Set includes 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, 3/32, 7/64, 1/8, 9/64, 5/32"


↔ lbs. .44

Surface resistance of handles is 10⁶ - 10⁹ Ohms

ESD Safe



28087 8 Pc. **TORX**® Precision Interchangeable Blade Set

Wiha-ESD Safe  precision collet lock handle and 7 Wiha interchangeable blades.

28087 Includes the following blades:

⊗ **TORX**® Standard blades: T3, T4, T5

⊗ **TORX**® Reversible blades:

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

↔ lbs. .29

ESD Safe



28088 9 Piece Nut Driver Inch Precision Blade Set

Wiha ESD Safe precision collet lock handle and 8 Wiha interchangeable blades.

28088 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. .37

ESD Safe



28098 8 Pc. Nut Driver Metric Precision Blade Set

Wiha ESD Safe precision collet lock handle and 7 Wiha interchangeable blades.

28098 Set includes the following blades:

⊙ **Nut Driver Metric:**

3.0, 3.2, 3.5, 4.0, 4.5, 5.0, 5.5mm

↔ lbs. .40

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

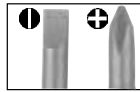
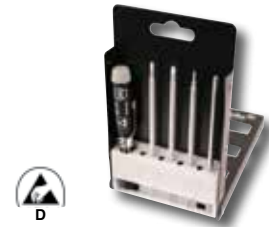


26988 Nut Driver Inch Precision Blade Set, 9 Pcs. Wiha ESD Safe precision collet lock handle & 8 Wiha interchangeable blades.

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

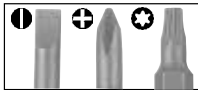


26996 Slotted & Phillips Precision Interchangeable Blade Set, 5 Pcs.

Wiha ESD Safe precision collet lock handle and 4 Wiha interchangeable blades.

26996 Includes the following reversible blades in Slotted/Phillips sizes:

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



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:

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

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



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

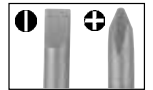
26989 Set includes the following blades:

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

lbs. .35

Wiha Steel Box Sets

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



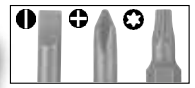
26993 Slotted & Phillips Precision Interchangeable Blade Set, 6 Pcs.

Wiha ESD Safe precision collet lock handle and 5 Wiha interchangeable blades.

26993 Set includes the following blades:

lbs. **Slotted:** 1.5, 2.0, 2.5, 3.0, 3.5, 4.0mm
 Phillips: 000, 00, 0, 1

lbs. .87



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:

- lbs. **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

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 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



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



280 SYSTEM 4 Metric Hex Drive-Loc Reversible Locking Blades On 4mm Hex blades

Item			
No.	mm	mm	lbs.
28003	1.3	+ 1.3	.02
28004	1.5	+ 1.5	.02
28005	2.0	+ 2.0	.02
28006	2.5	+ 2.5	.02
28007	3.0	+ 3.0	.02
28008	4.0	+ 4.0	.02

Wiha SYSTEM 4 Precision Bit Handle



75801 SYSTEM 4 ESD Safe Dissipative Precision Bit Handle 110mm/4.3" OAL

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

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



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



280 SYSTEM 4 Metric Nut Drivers Drive-Loc Reversible Locking Blades On 4mm Hex blades

Item			
No.	mm	mm	lbs.
28009	1.5	+ 1.8	.02
28010	2.0	+ 2.5	.02
28011	3.0	+ 3.0	.02
28012	3.2	+ 3.2	.02
28013	3.5	+ 3.5	.02
28014	4.0	+ 4.0	.02
28015	4.5	+ 4.5	.02
28016	5.0	+ 5.0	.02
28017	5.5	+ 5.5	.02

SYSTEM 4 Micro Bit Extension Blades



75900 Extension Blade For SYS 4 Micro Bits Shaft CVM steel, hardened, corrosion protected. Ball retainer bit extension for 4mm bits.

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



28002 SYSTEM 4 Pozidriv® Drive-Loc Reversible Locking Blades On 4mm Hex

Item			
No.	Size	Size	lbs.
28002	0	+ 1	.02



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

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



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

Item No.	Item
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

Micro Bit 1/4" Drive Power Tool Adapter



75902 Micro Bit 1/4" Drive Power Tool Adapter Shaft CVM steel, hardened, corrosion protected. For 4mm bits. 2.3" OAL

Item			
No.	Size	mm	mm lbs.
75902	4.0	60	4.0 .07



Micro Bits Made in Germany

Wiha SYSTEM 4 Micro Bits - 10 Bit Packs

CVM steel, hardened,
on 4 mm hex stock.

Bits High alloy
CVM steel,
hardened

Tips Exact fit,
precision machined

**Use bits directly in handle or
with 4" bit extension**

10 Bit Pack

756 SYSTEM 4 Slotted Micro Bits

Item				
No.	mm	mm	Inch	lbs.
75602	0.8	28	1.1	.06
75603	1.2	28	1.1	.06
75604	1.5	28	1.1	.06
75605	1.8	28	1.1	.06
75606	2.0	28	1.1	.07
75607	2.5	28	1.1	.07
75608	3.0	28	1.1	.07
75609	3.5	28	1.1	.07
75610	4.0	28	1.1	.08

10 Bit Pack

756 SYSTEM 4 Hex Metric Micro Bits

Item				
No.	mm	mm	Inch	lbs.
75616	.7	28	1.1	.06
75617	.9	28	1.1	.06
75618	1.3	28	1.1	.06
75619	1.5	28	1.1	.07
75620	2.0	28	1.1	.07
75621	2.5	28	1.1	.07
75622	3.0	28	1.1	.08
75623	4.0	28	1.1	.08

10 Bit Pack

756 SYSTEM 4 Hex Inch Micro Bits

Item				
No.	Inch	mm	Inch	lbs.
75628	.028	28	1.1	.06
75629	.035	28	1.1	.06
75630	.050	28	1.1	.06
75631	1/16	28	1.1	.06
75632	5/64	28	1.1	.06
75633	3/32	28	1.1	.07
75634	7/64	28	1.1	.07
75635	1/8	28	1.1	.07
75636	9/64	28	1.1	.08
75637	5/32	28	1.1	.08

10 Bit Pack

756 SYSTEM 4 Phillips Micro Bits

Item				
No.	Size	mm	Inch	lbs.
75611	000	28	1.1	.06
75612	00	28	1.1	.06
75613	0	28	1.1	.06
75614	1	28	1.1	.07
75615	2	28	1.1	.07

10 Bit Pack

756 SYS 4 Metric Security Hex Micro Bits

Item				
No.	mm	mm	Inch	lbs.
75624	2.0	28	1.1	.06
75625	2.5	28	1.1	.07
75626	3.0	28	1.1	.07
75627	4.0	28	1.1	.08

10 Bit Pack

756 SYSTEM 4 Pentalobe Micro Bits

Item				
No.	Size	mm	Inch	lbs.
75672	PL1	28	1.1	.06
75673	PL2	28	1.1	.06
75674	PL3	28	1.1	.07
75675	PL4	28	1.1	.07
75676	PL5	28	1.1	.07
75677	PL6	28	1.1	.08

10 Bit Pack

756 SYS 4 Security Hex Inch Micro Bits

Item				
No.	Inch	mm	Inch	lbs.
75638	5/64	28	1.1	.06
75639	3/32	28	1.1	.06
75640	7/64	28	1.1	.07
75641	1/8	28	1.1	.07
75642	9/64	28	1.1	.08
75643	5/32	28	1.1	.08

10 Bit Pack

756 SYSTEM 4 TORX® Micro Bits

Item				
No.	Size	mm	Inch	lbs.
75660	T1	28	1.1	.06
75661	T2	28	1.1	.06
75662	T3	28	1.1	.06
75663	T4	28	1.1	.06
75664	T5	28	1.1	.06
75665	T6	28	1.1	.06
75666	T7	28	1.1	.06
75667	T8	28	1.1	.07
75668	T9	28	1.1	.07
75669	T10	28	1.1	.07
75670	T15	28	1.1	.08
75671	T20	28	1.1	.08

10 Bit Pack

756 SYS 4 Security TORX® Micro Bits

Item				
No.	Size	mm	Inch	lbs.
75678	T7s	28	1.1	.06
75679	T8s	28	1.1	.06
75680	T9s	28	1.1	.06
75681	T10s	28	1.1	.07
75682	T15s	28	1.1	.07
75683	T20s	28	1.1	.08

10 Bit Pack

756 SYSTEM 4 Inch Nut Setters

Item No.				
Inch	mm	mm	Inch	lbs.
75644	5/64	30	1.2	.07
75645	3/32	30	1.2	.07
75646	7/64	30	1.2	.07
75647	1/8	30	1.2	.07
75648	9/64	30	1.2	.08
75649	5/32	30	1.2	.08
75650	3/16	30	1.2	.08
75651	7/32	30	1.2	.09

10 Bit Pack

756 SYSTEM 4 Metric Nut Setters

Item No.				
Metric	mm	mm	Inch	lbs.
75652	2.0	30	1.2	.07
75653	2.5	30	1.2	.07
75654	3.0	30	1.2	.07
75655	3.5	30	1.2	.07
75656	4.0	30	1.2	.08
75657	4.5	30	1.2	.08
75658	5.0	30	1.2	.08
75659	5.5	30	1.2	.09

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







757 SYSTEM 4 Pentalobe Micro Bits
CVM steel, hardened, on 4 mm hex stock.

Item				
No.	Size	mm	Inch	lbs.
75743	PL1	28	1.1	.01
75744	PL2	28	1.1	.01
75745	PL3	28	1.1	.01
75746	PL4	28	1.1	.01
75747	PL5	28	1.1	.01
75748	PL6	28	1.1	.01







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
75125	2	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	.7	28	1.1	.01
75309	.9	28	1.1	.01
75313	1.3	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







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







757 SYSTEM 4 TORX® Bits
High alloy chrome-vanadium-molybdenum steel, hardened, on 4 mm stock.

Item				
No.	Size	mm	Inch	lbs.
75701	T1	28	1.1	.01
75702	T2	28	1.1	.01
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 TORX® Security Bits
High alloy CVM steel, hardened, on 4 mm stock.

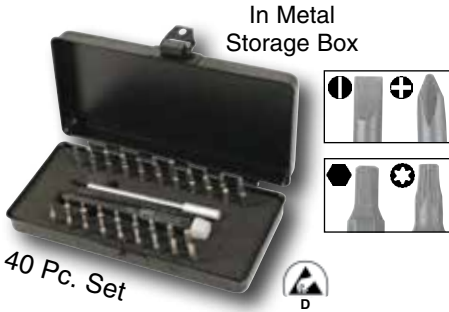
Item				
No.	Size	mm	Inch	lbs.
75727	T7s	28	1.1	.01
75728	T8s	28	1.1	.01
75729	T9s	28	1.1	.01
75735	T10s	28	1.1	.01
75739	T15s	28	1.1	.01
75742	T20s	28	1.1	.01



758 SYSTEM 4 Metric & Inch Nut Setters
CVM steel, hardened, on 4 mm hex stock.

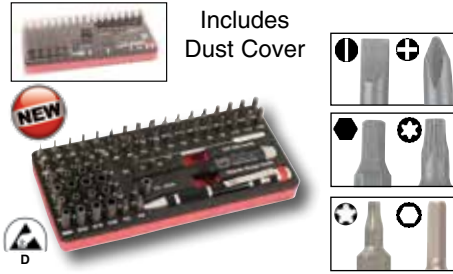
Item No.					
	Metric	mm	mm	Inch	lbs.
75820	2.0	30	1.2	.01	
75821	2.5	30	1.2	.01	
75822	3.0	30	1.2	.01	
75823	3.5	30	1.2	.01	
75824	4.0	30	1.2	.01	
75825	4.5	30	1.2	.01	
75826	5.0	30	1.2	.01	
75827	5.5	30	1.2	.01	
Inch	Inch	mm	Inch	lbs.	
75810	5/64	30	1.2	.01	
75811	3/32	30	1.2	.01	
75812	7/64	30	1.2	.01	
75813	1/8	30	1.2	.01	
75814	9/64	30	1.2	.01	
75815	5/32	30	1.2	.01	
75816	3/16	30	1.2	.01	
75817	7/32	30	1.2	.01	

Wiha SYSTEM 4 ESD Safe Compact Micro Bit Sets



75996 SYSTEM 4 Interchangeable Bit Set, 40 Pcs. Includes Wiha precision handle, bit extension & 38 interchangeable bits.

Item	SYSTEM 4
No.	Combination Bit Set
75996	Set with ESD Safe Precision Handle
	Set includes the following bits:
lbs. ↓	<ul style="list-style-type: none"> 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: 1.3, 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



75968 SYSTEM 4 Master Tech Micro Bit Set, 68 Pcs. Includes Wiha ESD Safe Precision Handle, Micro Bit Storage Handle, 1/4" to 4mm Adapter, 100mm Bit Extension & 64 Micro Bits.

Item No.	SYSTEM 4 Micro Bit Set
75968	Includes:
lbs. ↓	<ul style="list-style-type: none"> Slotted: 0.8, 1.2, 1.5, 1.8, 2.0, 2.5, 3.0, 3.5, 4.0mm Phillips: 000, 00, 0, 1, 2 TORX®: T1, T2, T3, T4, T5, T6, T7, T8, T9, T10, T15, T20 Hex Metric: 1.3, 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" Pentalobe: PL1, PL2, PL3, PL4, PL5, PL6 Nut Driver Metric: 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5mm Nut Driver Inch: 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32"



75977 SYSTEM 4 Master Tech Micro Bit Set, 68 Pcs. Includes Wiha ESD Safe Precision Handle, ESD Safe Tweezers, 1/4" to 4mm Adapter, 100mm Bit Extension & 64 Micro Bits.

Item No.	SYSTEM 4 Micro Bit Set
75977	Includes The Following Bits:
lbs. ↓	<ul style="list-style-type: none"> Slotted: 0.8, 1.2, 1.5, 1.8, 2.0, 2.5, 3.0, 3.5, 4.0mm Phillips: 000, 00, 0, 1, 2 TORX®: T1, T2, T3, T4, T5, T6, T7, T8, T9, T10, T15, T20 Hex Metric: 1.3, 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" Pentalobe: PL1, PL2, PL3, PL4, PL5, PL6 Nut Driver Metric: 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5mm Nut Driver Inch: 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32" ESD Fine Round Point Tweezers 3cSA



75965 SYSTEM 4 Master Tech ESD & Ratchet With Micro Bits, 65 Pieces In Storage Box. Includes Wiha precision ESD Safe handle, micro bit extension, 72 tooth 1/4" ratchet & 62 interchangeable micro bits.

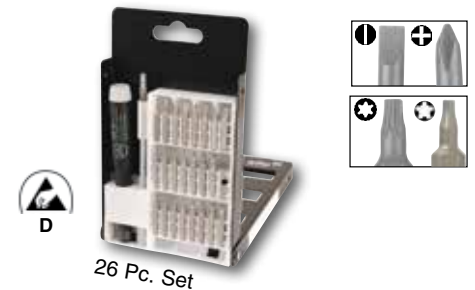
Item	Includes:
No.	<ul style="list-style-type: none"> Slotted: 0.8, 1.2, 1.5, 1.8, 2.0, 2.5, 3.0, 3.5, 4.0mm Phillips: 000, 00, 0, 1 TORX®: T3, T4, T5, T6, T7, T8, T9, T10, T15, T20 Hex Metric: .7, .9, 1.3, 1.5, 2.0, 2.5, 3.0, 4.0mm Hex Inch: .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32" Nut Drivers Metric: 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5mm Nut Drivers Inch: 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32" Pentalobe: PL1, PL2, PL3, PL4, PL5, PL6 Magnetic 1/4" to 4mm Adapter



75971 SYSTEM 4 Master Tech Micro Bit Set, 68 Pcs. Includes Wiha ESD Safe Precision Handle, Micro Bit Storage Handle, 1/4" to 4mm Adapter, 100mm Bit Extension & 64 Micro Bits.

Item No.	SYSTEM 4 Micro Bit Set
75971	Includes:
lbs. ↓	<ul style="list-style-type: none"> Slotted: 0.8, 1.2, 1.5, 1.8, 2.0, 2.5, 3.0, 3.5, 4.0mm Phillips: 000, 00, 0, 1, 2 TORX®: T1, T2, T3, T4, T5, T6, T7, T8, T9, T10, T15, T20 Hex Metric: 1.3, 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" Pentalobe: PL1, PL2, PL3, PL4, PL5, PL6 Nut Driver Metric: 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5mm Nut Driver Inch: 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32"

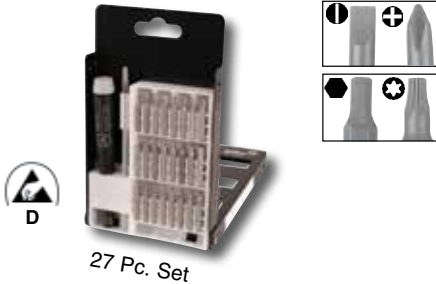
Wiha SYSTEM 4 Compact Micro Bit Sets



75995 SYS 4 Precision Interchangeable Bit Set, 26 Pcs. In Compact Fold Out Box Sets includes Wiha precision handle, bit extension & 24 Wiha interchangeable bits.

Item	SYSTEM 4 Micro Bit Set
No.	Set with ESD Safe Precision Handle
75995	and the following bits:
lbs. ↓	<ul style="list-style-type: none"> TORX®: T1, T2, T3, T4, T5, T6, T7, T8, T9, T10 Pentalobe: PL1, PL2, PL3, PL4, PL5, PL6 Slotted: 1.5, 2.0, 2.5, 3.0mm Phillips: #000, 00, 0, 1 100mm Bit Extension

Wiha SYSTEM 4 Compact Micro Bit Set

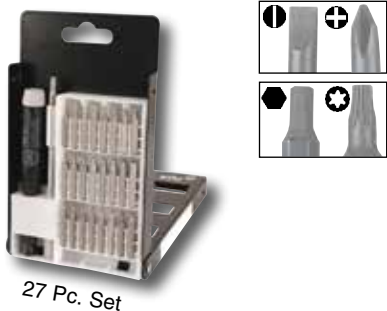


27 Pcs. Set

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

Set includes Wiha precision handle, bit extension and 25 Wiha interchangeable bits.

Item	SYSTEM 4
No.	Combination 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: .7, .9, 1.3, 1.5, 2.0, 2.5, 3.0, 4.0mm
○	100mm Bit Extension
↔	lbs. .64



27 Pcs. 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, bit extension & 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
↔	lbs. .64

Technician's 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

Surface resistance of handles is 10⁶ - 10⁹ Ohms



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 ESD Safe Precision Handle
↓	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



75094 SYS 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 ESD Safe Precision Handle
↓	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

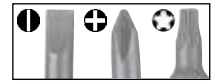


75095 SYS 4 Slotted, Phillips, Hex Metric Compact ESD Precision Interchangeable Bit Set, 16 Pcs. Wiha precision handle, bit extension & 14 interchangeable bits.

Item No.	Combination Bit Set
75095	Set with ESD Safe Precision Handle
↓	Slotted: 1.5, 2.0, 2.5, 3.0mm
+	Phillips: 00, 0, 1
⬠	Hex Metric: .9, 1.3, 1.5, 2.0, 2.5, 3.0, 4.0mm
○	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
⬠	Hex Inch: 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32"
⬠	Hex Metric: .9, 1.3, 1.5, 2.0, 2.5, 3.0, 4.0mm
○	100mm Bit Extension
↔	lbs. .17



75097 SYS 4 Slotted, Phillips & 5Point Compact ESD Precision Interchangeable Bit Set, 16 Pcs. Wiha precision handle, bit extension & 14 interchangeable bits.

Item No.	Combination Bit Set
75097	Set with ESD Safe Precision Handle
↓	Slotted: 1.2, 1.5, 2.0, 2.5, 3.0mm
+	Phillips: 000, 00, 0, 1, 2
⊗	Pentalobe: PL1, PL2, PL3, PL4
○	100mm Bit Extension
↔	lbs. .17

ESD Safe Cushion Grip Bit Holders

ESD Safe Bit holders without magnetics

For working on static sensitive components

Dissipative material offers protection against electrostatic discharge

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



28180 ESD Safe Stubby 1/4" Bit Holder
 With Ring Retainer, Wiha-SoftFinish® Cushion Grip 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.
28180	1/4"	57	2.2	.11	1



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 $10^6 - 10^9$ Ohm.

Item	⊖	⊖	⊖	⊖	⊖	⊖	
No.	Inch	mm	Inch	mm	Inch	lbs.	pkg.
38701	1/4"	148	5.8	38	1.5	.24	1



In Durable Pouch

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

38790 ESD Safe 1/4" Quick Release Blade Holder Set 20 Pc. Set With Interchangeable Blades & Quick Release Blade Holder Extension
 Blades are CVM tool steel, hardened.

Item No. 38790 ↵ ↵ lbs. .67

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 SoftFinish Cushion Grip Screwdrivers



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 (10^6-10^9 Ohm).

Item	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖
No.	mm	Inch	mm	Inch	mm	Inch	mm	Inch	lbs.	pkg.
30240*	2.5	.098	75	3.0	0.4	.016	175	7.0	.06	10
30242*	3.0	.118	100	3.9	0.5	.020	204	8.0	.06	10
30244*	4.0	.157	100	3.9	0.8	.031	211	8.3	.11	10
30246*	5.5	.216	125	5.0	1.0	.039	236	9.3	.15	10
30248	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 (10^6-10^9 Ohm).

Item	⊕	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖
No.	Size	mm	Inch	mm	Inch	mm	Inch	lbs.	pkg.
31150	0	60	2.4	3.0	1/8	164	6.5	.06	10
31151	1	80	3.1	4.5	3/16	191	7.5	.11	10
31152	2	100	3.9	6.0	1/4	218	8.6	.20	10



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 (10^6-10^9 Ohm).

Item	⊕	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖
No.	Size	mm	Inch	mm	Inch	mm	Inch	lbs.	pkg.
36260	T3	60	2.4	3.5	.139	164	6.5	.06	10
36204	T4	60	2.4	3.5	.139	164	6.5	.06	10
36200	T5	60	2.4	3.5	.139	164	6.5	.06	10
36206	T6	60	2.4	3.5	.139	164	6.5	.06	10
36208	T8	60	2.4	3.5	.139	164	6.5	.06	10
36209	T9	60	2.4	4.0	.157	171	6.7	.10	10
36218	T10	80	3.1	4.0	.157	191	7.5	.11	10
36219	T15	80	3.1	4.0	.157	191	7.5	.11	10
36224	T20	100	3.9	4.0	.157	211	8.3	.11	10

Wiha ESD Safe SoftFinish®

For working on static sensitive components

Dissipative material offers protection against electrostatic discharge

ESD Safe



SoftFinish cushion grip handle

CVM steel hardened, hard chrome Finish

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



30292 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	Slotted:	
No. 30292	*3.0, *4.0, *5.5mm	lbs. .96
	Phillips: 0, 1, 2	

*Cabinet Tips



36289 Set 6 Pcs. ESD Safe TORX®

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

Item	TORX®	
No. 36289	T6, T8, T9, T10, T15, T20	lbs. .81

Wiha Interchangeable Sets

ESD Safe In Durable Pouch



10891 ESD Safe Slotted & Phillips

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

Item No.	Slotted:	
10891	3.0, 4.0, 6.0mm	lbs. .65
	Phillips: 0, 1, 2	

In Durable Pouch



10892 ESD Safe Metric Nut Drivers

Interchangeable Blade Set, 8 Pc. 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	

In Durable Pouch



10893 ESD Safe TORX®

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

Item No.		
10893		lbs. .70
	TORX®: T6, T7, T8, T9, T10, T15, T20, T25	

In Durable Pouch



10895 ESD Safe Interchangeable

Combo Blade Set, 11 Pc. 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"	

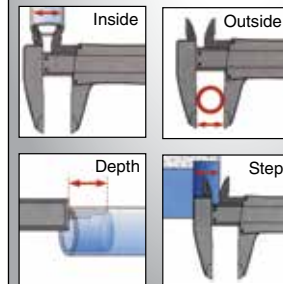
Non-metallic high-tech material with 60% fiber glass content, extremely high rigidity.

Precision ratchet guarantees uniform clamping force of the measuring jaw

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

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

Surface resistance of handle is 10⁶ - 10⁹ Ohms

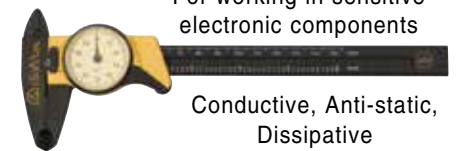


Won't damage sensitive parts

Made in Switzerland

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 & 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



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

- Accepts all Drive-Loc VI blades
- Surface resistant 10⁶ to 10⁹ ohms
- Safe for working on ESD sensitive parts
- Collet lock holds blade securely in place

Item No.					
10820	6.0	135	5.3	15.2	.60 .16



For Adjustable Length Locking Blades

Ergonomic handles in ESD Safe, cushioned & non-slip grip

See Drive-Loc VI Nut drivers on Page 42

Locking mechanism in SoftFinish cushion grip ergonomic handle. Blade length can be adjusted from 1.7 to 4.7" in 1/8" increments

Blades high quality CVM steel, hard chrome finish

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

Adjust interchangeable blades from 40 to 120mm

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

28105 ESD Safe Drive-Loc VI Cushion Grip Handle

Wiha-SoftFinish® impact resistant, friction hold. **Advantages:** Static Dissipative, ideal for use on static sensitive electronic components and equipment. Fits all Drive-Loc blades.

Item						
No.	mm	mm	Inch	mm	Inch	lbs.
28105	6.0	122	4.8	36.0	1.41	.22

281 Slotted Drive-Loc VI Interchangeable Blade

High alloy CVM steel, through hardened, hard chrome finish. OAL 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		

28112 Phillips Drive-Loc VI Interchangeable Blade

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

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

281 Slotted & Phillips Drive-Loc VI Interchangeable Blade

High alloy CVM steel, through hardened, hard chrome finish. OAL 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			

28137 Square Drive-Loc VI Interchangeable Blade

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

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

28114 Pozidriv® Drive-Loc VI Interchangeable Blade

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

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

281 Tri-wing® Drive-Loc VI Interchangeable Blade

High alloy CVM steel, through hardened, hard chrome finish. OAL 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. OAL 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		

281 TORX® Drive-Loc VI Interchangeable Blade

OAL 150mm/5.9"

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

OAL 150mm/5.9"

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		

Wiha Drive-Loc VI Blades



281 Ball End Hex & Hex Metric Drive-Loc VI Interchangeable Blade Ball end enables the user to work at angles up to 25°. OAL 150mm/5.9". Fits 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 OAL 150mm/5.9"

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 OAL 150mm/5.9"

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	



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	OAL	lbs.	pkg.
28156	3/16	5.9"	.11	1
28157	7/32	5.9"	.11	1
28158	1/4	5.9"	.11	1
28159	9/32	5.9"	.12	1
28160	5/16	5.9"	.13	1
28161	11/32	5.9"	.14	1
28162	3/8	5.9"	.15	1
28163	7/16	5.9"	.17	1
28164	1/2	5.9"	.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	OAL	lbs.	pkg.
28168	4.0	150mm	.10	1
28169	4.5	150mm	.10	1
28170	5.0	150mm	.11	1
28171	5.5	150mm	.11	1
28172	6.0	150mm	.12	1
28173	7.0	150mm	.13	1
28174	8.0	150mm	.13	1
28177	9.0	150mm	.14	1
28175	10.0	150mm	.15	1
28176	11.0	150mm	.20	1

28187 32 Pc. ESD Safe Drive-Loc VI Interchangeable Blade Set, In Canvas

Pouch Set includes Drive-Loc VI handle & 31 interchangeable blades.

Item No. 28187 lbs. 3.66

Slotted: 3.5+4.5, 5.5+6.5mm **Square:** 1+2

Slotted/Phillips: 3.0+0, 4.0+1, 6.0+2

Security TORX: T6s+T8s, T7s+T9s, T10s+T15s, T20s+T25s, T30s+T40s

Hex Inch: 3/32+7/64, 1/8+9/64, 5/32+3/16

Hex Metric: 2.0+2.5, 3.0+4.0, 5.0+6.0

Nut Drivers In: 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2"

Nut Drivers MM: 5.5, 6.0, 7.0, 8.0, 9.0, 10.0, 11.0mm

Wiha ESD Safe SoftFinish® Cushion Grip



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	150mm	.14	1

Notes:



ESD Safe Adjustable TorqueControl Tools



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 & perceptible click when torque setting has been attained. With Certificate of accuracy. Pkg. 1

Item No.	Range	Inch	lbs.	mm	Increments	mm	lbs.
28522*	15 - 80(in/oz)	2.5	In.oz.	122-127	.33		
28524	5 - 10	.2	In.lbs.	122-127	.34		
28526	7.5 - 20	.5	In.lbs.	126-131	.42		



28500 ESD Safe TorqueVario-S Newton Meter, With Window Scale

Item No.	Range	Nm	mm	Inch	lbs.	pkg.
28500*	.04 - .46	124	4.875"	.35	1	

* +/- 10% (This unit only)

Each TorqueVario handle has unique serial number and certificate of calibration



28890 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, Micro Bit holder and Torque adjustment tool.

Item No.	Slotted:	Phillips:	TORX®:	Hex Inch:	lbs.	Range
28890	1.5, 2.0, 3.0, 4.0mm	#00, #0, #1	T6, T7, T8, T9, T10, T15	.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32"	1.35	28522 - ESD Safe Handle Range 15-80 Inch/oz.



28591 24 Piece 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, Micro Bit holder and Torque adjustment tool, packed in a compact durable storage box.

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



28895 24 Piece 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, Micro Bit holder and Torque adjustment tool, packed in a compact durable storage box.

Item No.	Slotted:	Phillips:	TORX®:	Hex Metric:	lbs.	Range
28895	0.8, 1.2, 1.5, 2.0mm	#000, #00, #0	T1, T2, T3, T4, T5, T6	0.7, 0.9, 1.3mm	1.30	28500 - Handle ESD Safe .04 - .46Nm (+/-10%)

With Certificate of Calibration



With Certificate of Calibration



288 ESD Safe Slotted Interchangeable Blades For TorqueVario-S Slotted tip blades on narrow 5/32 Hex shafts. High alloy CVM steel, hardened, satin hard chrome finish.

Item No.	mm	Inch	mm	Nm	lbs.	pkg.
28801	1.5	.059	175	0.15	.07	1
28805	3.0	.118	175	0.6	.07	1
28807	3.5	.139	175	1.1	.07	1
28809	4.0	.157	175	2.5	.07	1



288 ESD Safe Phillips Interchangeable Blades For TorqueVario-S Phillips tip blades on narrow 5/32 Hex shafts. High alloy CVM steel, hardened, satin hard chrome finish.

Item No.	Size	mm	mm	Nm	lbs.	pkg.
28810	000	175	4.0	0.4	.07	1
28812	00	175	4.0	0.4	.07	1
28814	0	175	4.0	0.9	.07	1
28816	1	175	4.0	3.8	.07	1



288 ESD Safe TORX Interchangeable Blades For TorqueVario-S TORX tip blades on narrow 5/32 Hex shafts. High alloy CVM steel, hardened, hard chromed.

Item No.	Size	mm	mm	Nm	lbs.	pkg.
28825	T5	175	4.0	0.4	.07	1
28826	T6	175	4.0	0.6	.07	1
28827	T7	175	4.0	0.9	.07	1
28828	T8	175	4.0	1.3	.07	1
28829	T9	175	4.0	2.5	.07	1
28830	T10	175	4.0	3.8	.07	1



28818 ESD Safe Pentalobe Interchangeable Blades For TorqueVario-S Newton Meter Handle tip blades on narrow 5/32 Hex shafts. High alloy CVM steel, hardened, hard chromed.

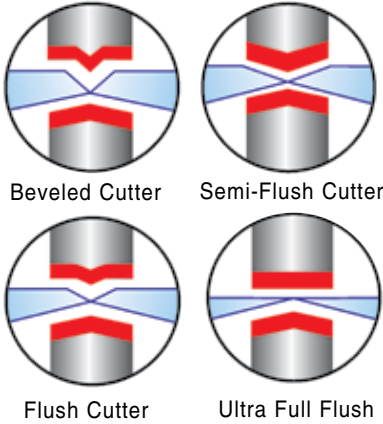
Item No.	Size	mm	mm	lbs.	pkg.
28818	PL1	175	4.0	.07	1



28882 ESD Safe Bit Holder Adapter For 1/4 Drive Bits Shaft CVM steel, hardened, corrosion protected. (Not for use in Insulated handles)

Item No.	Size	mm	mm	lbs.	pkg.
28882	1/4	162	4.0	.09	1

Wiha ESD Safe Pliers & Cutters



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

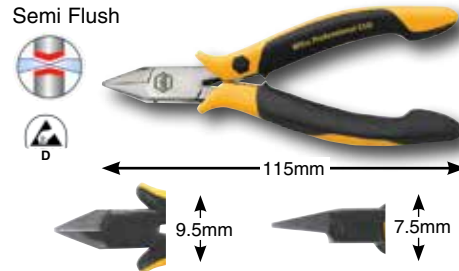
Precision Cutters Tapered Head



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.  lbs. .19

Item No.	mm	Inch	Copper Head Wdth	Pkg.
32703	115	4.5	1.0	9.5mm 1

Precision Cutters Tapered Head



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.

Item No.	mm	Inch	Copper Head Wdth	lbs.	Pkg.
32702	115	4.5	1.0	9.5mm	.19 1

Precision Cutters Wide Tapered Head



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.

Item No.	mm	Inch	Copper Head Wdth	lbs.	Pkg.
32706	115	4.5	1.4	11.0mm	.20 1

Precision Cutters Tapered Head



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.

Item No.	mm	Inch	Copper Head Wdth	lbs.	Pkg.
32705	115	4.5	1.0	9.5mm	.19 1

Precision Cutters Tapered Head



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. ESD Safe Dissipative.

Item No.	mm	Inch	Copper Head Wdth	lbs.	Pkg.
32704	115	4.5	1.0	9.5mm	.19 1

Precision Cutters Wide Tapered Head



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.

Item No.	mm	Inch	Copper Head Wdth	lbs.	Pkg.
32708	115	4.5	1.2	11.0mm	.19 1

Precision Cutters Wide Tapered Head



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.

Item No.	mm	Inch	Copper	Head Wdth	lbs.	Pkg.
32710	115	4.5	1.0	11.0mm	.23	1

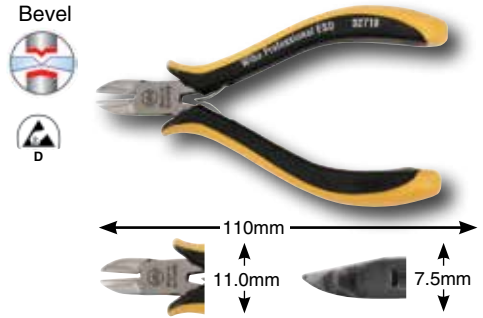
Precision Cutters Slim Oval Form



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.

Item No.	mm	Inch	Copper	Head Wdth	lbs.	Pkg.
32714	115	4.5	1.0	10.0mm	.23	1

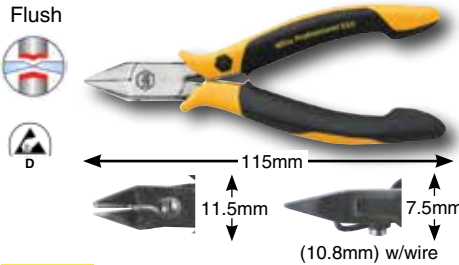
Precision Cutters Wide Oval Form And Carbide Edge



32718 Precision Cutters, Wide Oval Head Carbide Cutting Edges, Bevel Cutters drop-forged for an ideal material structure. Precise aligned carbide cutting edge. ESD Safe Dissipative.

Item No.	mm	Inch	Copper	Head Wdth	lbs.	Pkg.
32718	110	4 3/8	1.6	11.0mm	.20	1

Precision Cutters Wide Tapered Head



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. ESD Safe Dissipative.

Item No.	mm	Inch	Copper	Head Wdth	lbs.	Pkg.
32711	115	4.5	1.2	11.0mm	.19	1

Precision Cutters Wide Oval Form



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.

Item No.	mm	Inch	Copper	Head Wdth	lbs.	Pkg.
32716	115	4.5	1.4	11.0mm	.19	1

Precision Cutters Wide Oval Form



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.

Item No.	mm	Inch	Copper	Head Wdth	lbs.	Pkg.
32721	115	4.5	1.2	11.0mm	.23	1

Precision Cutters Slim Oval Form



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.

Item No.	mm	Inch	Copper	Head Wdth	lbs.	Pkg.
32712	115	4.5	1.0	10.5mm	.23	1

Precision Cutters Wide Oval Form



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.

Item No.	mm	Inch	Copper	Head Wdth	lbs.	Pkg.
32720	115	4.5	1.2	11.0mm	.19	1

Oblique Angled Cutters

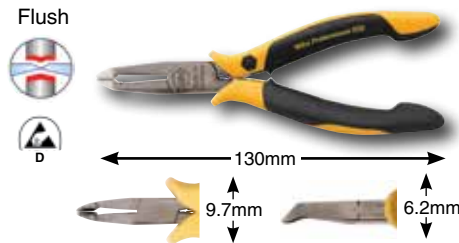


32722 Oblique Angled Cutters, 29°, Flush

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.

Item No.	mm	Inch	Copper Head	Wdth	lbs.	Pkg.
32722	115	4.5	1.2	12.0mm	.24	1

Oblique Front Cutters



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. ESD Safe Dissipative.

Item No.	mm	Inch	Copper Head	Wdth	lbs.	Pkg.
32728	130	5.1	0.8	8.5mm	.21	1

ESD Safe Pliers



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.

Item No.	mm	Inch	Head Wdth	lbs.	Pkg.
32742	120	4 3/4	9.5mm	.20	1

Oblique Angled Cutters

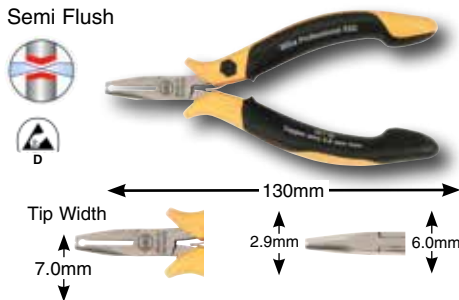


32724 Oblique Angled Cutters, 29°, Full Flush

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.

Item No.	mm	Inch	Copper Head	Wdth	lbs.	Pkg.
32724	115	4.5	1.0	12.0mm	.24	1

End Cutters Extra Slim



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. ESD Safe Dissipative.

Item No.	mm	Inch	Copper Tip	Wdth	lbs.	Pkg.
32732	130	5.1	0.6	4.1mm	.16	1

ESD Safe Pliers



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

Pliers drop-forged for an ideal material structure. Precisely aligned, jaws, hardened. ESD Safe Dissipative.

Item No.	mm	Inch	Head Wdth	lbs.	Pkg.
32744	120	4 3/4	9.5mm	.20	1

Oblique Angled Cutters



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.

Item No.	mm	Inch	Copper Head	Wdth	lbs.	Pkg.
32726	115	4.5	1.2	12.0mm	.24	1

End Cutters Wide Head

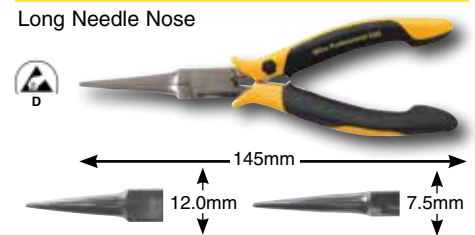


32734 End Cutters, Wide Head, Flush

End Cutters drop-forged for an ideal material structure. Precise aligned cutting edges are additionally induction hardened at a hardness of Approx. 64°HRC. ESD Safe Dissipative.

Item No.	mm	Inch	Copper Head	Wdth	lbs.	Pkg.
32734	115	4.5	1.4	11.0mm	.18	1

ESD Safe Pliers



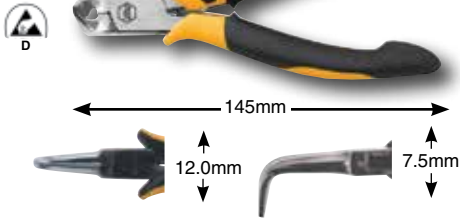
32746 ESD Safe Pliers, Long Needle Nose Pliers, Straight, Serrated Jaws

Pliers drop-forged for an ideal material structure. Precisely aligned, jaws, hardened. ESD Safe Dissipative.

Item No.	mm	Inch	Head Wdth	lbs.	Pkg.
32746	145	5 3/4	12.0mm	.27	1

ESD Safe Pliers

Needle Nose,
Bent 90°



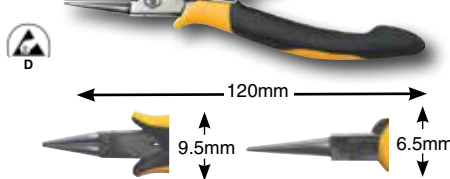
32748 ESD Safe Pliers, Needle Nose

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.

Item No.	mm	Inch	Head Wdth	lbs.	Pkg.
32748	145	5 3/4	12.0mm	.21	1

ESD Safe Pliers

Short Round
Nose Pliers



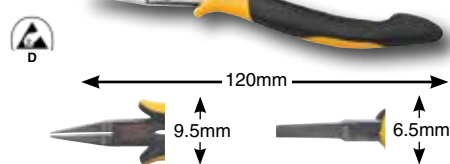
32750 ESD Safe Pliers, Short Round

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.

Item No.	mm	Inch	Head Wdth	lbs.	Pkg.
32750	120	4 3/4	9.5mm	.17	1

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.

Item No.	mm	Inch	Head Wdth	lbs.	Pkg.
32752	120	4 3/4	9.5mm	.16	1

ESD Safe Diagonal Cutters



32760 ESD Safe Precision Flush Cutting

Diagonal Cutters Low wear lap joint, riveted and able to withstand high levels of load. Lightweight action, clean cutting. Long life edge is achieved through additional induction hardening to approx. 64HRC. Special C70 tool steel. Two component non-slip soft grip handle, ESD Safe Dissipative.

Item No.	mm	Inch	Head Wdth	lbs.	Pkg.
32760	133	5.25	.5"	.18	1

ESD Long Nose Pliers



32762 ESD Safe Long Nose Pliers With

Return Spring Extra long cutters for flat and round cables. Serrated jaws. Long life edge is achieved through additional induction hardening to approx. 64HRC. Special C70 tool steel forgings. Two component non-slip soft grip handle, ESD Safe Dissipative.

Item No.	mm	Inch	Head Wdth	lbs.	Pkg.
32762	165	6.5	.625"	.24	1

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				
	Set includes:				
	4.5" Oval Side Cutters				
	5.75" Long Nose Pliers				
	4.75" Flat Nose Pliers				
	4.375" Oblique Cutters				

lbs. 1.02

ESD Safe Tool Set In Canvas Pouch

ESD standard IEC 61340-5-1



32793 11 Piece Set, 4 ESD Safe Pliers, Slotted & Phillips Screwdrivers Pliers drop-forged for an ideal material structure. Two component non-slip soft grip handle.

32793 11 piece ESD Safe Pliers & Slotted/Phillips Precision Drivers Set In Custom Case

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 Screwdrivers

Slotted 2.0, 2.5, 3.0, 3.5mm

Phillips #00, 0, 1

lbs. 2.43

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 pc. ESD Safe Pliers, Tweezers & SYSTEM 4 Precision Set In Custom Case:

ESD Safe Pliers & Cutters

4.5" Oval Side Cutters

5.75" Long Nose Pliers

4.75" Flat Nose Pliers

4.375" Oblique Cutters

SYSTEM 4 Set in separate pouch

ESD Safe Conductive Precision Handle

Slotted: 1.5, 2.0, 3.0 & 4.0mm

Phillips: #000, 00, 0 & 1

ESD Safe Tweezers:

AA SA ESD & 7a SA ESD

lbs. 1.32

Wiha ESD Safe Protturn Pliers & Cutters

protturn

Hardened steel
return spring

Glare free
black finish

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

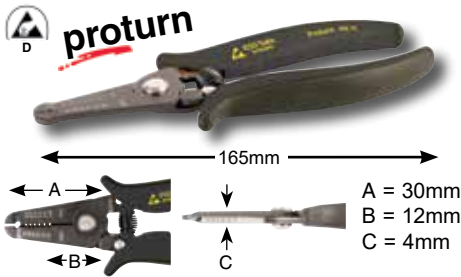


ESD standard
IEC 61340-5-1



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

ESD Safe Wire Stripper

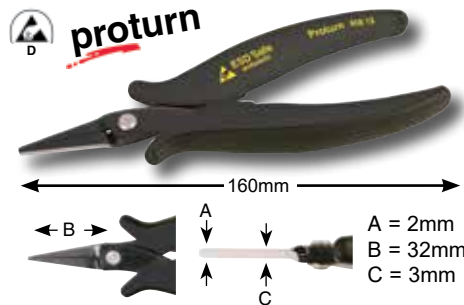


45810 Protturn ESD Safe Wire Stripper

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

Item No.	mm	Inch	Strips AWG	Pkg.	lbs.
45810	165	6.5	30 to 20	1	.25

ESD Safe Flat Nose Pliers



45812 Protturn ESD Safe Flat Nose

Smooth Jaws Pliers C70 special tool steel. Glare free, black finish. ESD Safe handle with non-slip grips.

Item No.	mm	Inch	Pkg.	lbs.
45812	160	6.3	1	.18

ESD Safe Round Nose Pliers

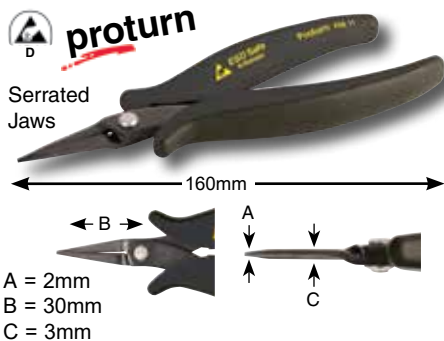


45814 Protturn ESD Safe Round Nose

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

Item No.	mm	Inch	Pkg.	lbs.
45814	152	6.0	1	.17

ESD Safe Long Nose Pliers

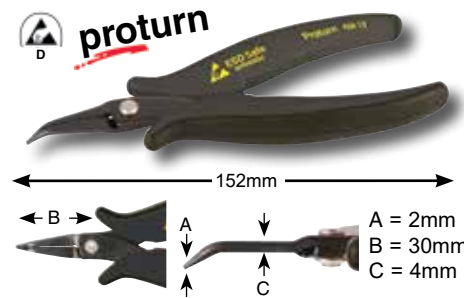


45811 Protturn ESD Safe Long Nose

Pliers, Serrated Jaws C70 special tool steel. Glare free, black finish. ESD Safe handle with non-slip grips.

Item No.	mm	Inch	Pkg.	lbs.
45811	160	6.3	1	.18

ESD Safe Bent Nose Pliers

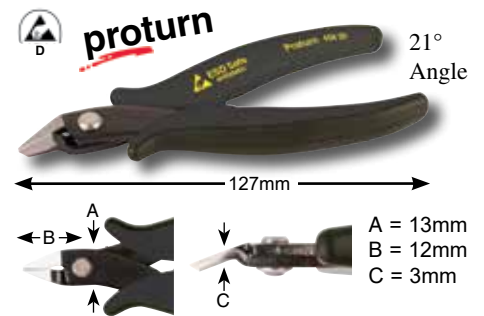


45813 Protturn ESD Safe Bent Nose

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

Item No.	mm	Inch	Pkg.	lbs.
45813	152	6.0	1	.18

ESD Safe Diagonal Cutters



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.

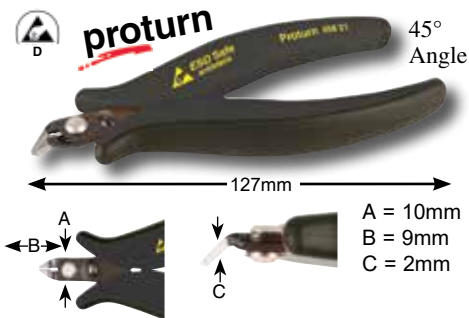
Item No.	mm	Inch	AWG	Pkg.	lbs.
45820	127	5.0	18/1mm	1	.16



Wiha ESD Safe Protturn Pliers & Cutters

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

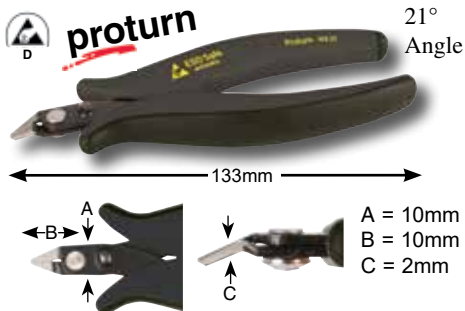
ESD Safe Diagonal Cutters



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.

Item No.	mm	Inch	AWG	Pkg.	lbs.
45821	127	5.0	18/1mm	1	.14

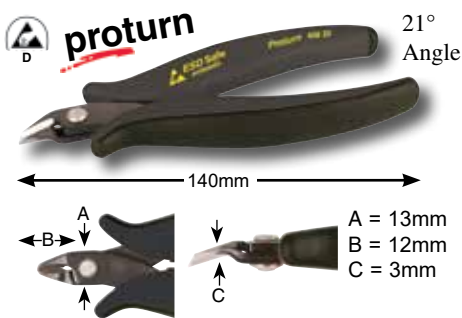
ESD Safe Diagonal Cutters



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.

Item No.	mm	Inch	AWG	Pkg.	lbs.
45823	133	5.25	14/1.6mm	1	.14

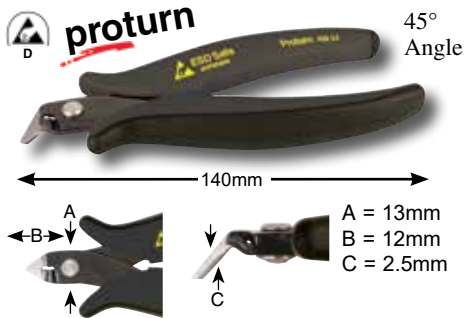
ESD Safe Diagonal Cutters



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.

Item No.	mm	Inch	AWG	Pkg.	lbs.
45822	140	5.5	16/1.3mm	1	.15

ESD Safe Diagonal Cutters



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.

Item No.	mm	Inch	AWG	Pkg.	lbs.
45824	140	5.5	14/1.6mm	1	.16

Wiha ESD Safe Protturn Pliers/Cutters, Precision Drivers & MicroBits Set



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

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 Set in Canvas Pouch

- ESD Safe Protturn Strippers, Pliers & Cutters
- 6.5" Wire Stripper
- 6.3" Long Nose Pliers
- 6.0" Bent Nose Pliers
- 5.25" 21° Precision Cutters

ESD Safe Slotted & Phillips Precision Drivers

Slotted: 2.0, 2.5, 3.0mm & Phillips: 0, 1

ESD Micro Bit Handle, Micro Bit Extension & 14 Micro Bits 4mm

Hex: .7, .9, 1.3, 1.5, 2.0, 2.5, 3.0mm
Torx: T4, T5, T6, T7, T8, T9, T10

ESD Safe Tweezer: 00 SA ESD - 120mm Heavy Duty Strong, Tapered To Strong Point

lbs. 1.74

Professional Quality ESD Tweezers

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



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.



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.



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.



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.



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.



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.



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.



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.



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.



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.

Wiha Professional Quality ESD Safe Tweezers



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.



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.



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.



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.



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.



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.



MicroTip 45° Hook 1x1x2mm

Item No.	Description	wt.
44521	12 SA-SMD ESD-120mm	.09

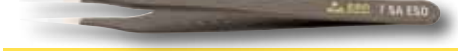
Static dissipative, ESD Safe hypo allergenic tweezers made from Vommaloy. Special stainless steel, anti-magnetic and acid resistant.



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.



Angled & Slightly Bent With Extra Fine Tips

Item No.	Description	wt.
44533	7 SA ESD - 120mm	.08

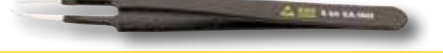
Static dissipative, ESD Safe hypo allergenic tweezers made from Vommaloy. Special stainless steel, anti-magnetic and acid resistant.



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.



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.



MicroTip 30° Bend & 0.5mm Slot Milled

Item No.	Description	wt.
55531	11SA-SMD ESD-117mm	.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.



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.



Narrow Body, Bent, Long Guide Pin, Serrated

Item No.	Description	wt.
55532	22b SA ESD - 155mm	.10

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



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.



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.



Blunt Tips - 1.0mm Wide Serrated

Item No.	Description	wt.
55533	PSF SA ESD-125mm	.09

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

Numerical Index by Item Number

Item No.	Pg.	Item No.	Pg.	Item No.	Pg.	Item No.	Pg.	Item No.	Pg.
10820	17	26968	8	27505	6	27899	5	28132	18
10891	17	26969	8	27507	6	27920	5	28133	18
10892	17	26971	7	27509	6	28000	7	28134	18
10893	17	26972	7	27510	6	28001	7	28135	18
10895	17	26973	7	27513	6	28002	11	28136	18
26903	7	26974	7	27515	6	28003	11	28137	18
26904	7	26975	11	27520	6	28004	11	28138	18
26905	7	26976	11	27525	6	28005	11	28139	18
26911	7	26977	11	27530	6	28006	11	28140	18
26912	7	26978	11	27535	6	28007	11	28142	18
26913	8	26979	11	27537	6	28008	11	28143	18
26914	8	26980	11	27539	6	28009	11	28144	19
26916	8	26981	11	27541	6	28010	11	28149	19
26917	8	26982	11	27543	6	28011	11	28150	19
26918	8	26985	11	27545	6	28012	11	28151	19
26919	8	26987	10	27547	6	28013	11	28156	19
26920	8	26988	10	27549	6	28014	11	28157	19
26921	8	26989	10	27590	6	28015	11	28158	19
26922	7	26990	8	27591	6	28016	11	28159	19
26923	8	26991	8	27701	6	28017	11	28160	19
26924	8	26992	8	27703	6	28021	8	28161	19
26925	8	26993	10	27705	6	28023	8	28162	19
26926	8	26995	10	27707	6	28024	8	28163	19
26927	8	26996	10	27709	6	28025	8	28164	19
26928	8	26997	10	27711	6	28026	8	28168	19
26929	8	26998	10	27713	6	28027	8	28169	19
26932	7	27208	4	27715	6	28028	8	28170	19
26933	7	27210	4	27720	6	28029	8	28171	19
26934	7	27212	4	27721	6	28033	8	28172	19
26935	7	27215	4	27722	6	28034	8	28173	19
26936	7	27218	4	27725	6	28035	8	28174	19
26937	7	27220	4	27730	6	28036	8	28175	19
26938	8	27222	4	27735	6	28037	8	28176	19
26939	8	27223	4	27740	6	28080	9	28177	19
26940	8	27224	4	27745	6	28084	9	28180	16
26941	8	27225	4	27750	6	28087	9	28187	19
26942	8	27227	4	27755	6	28088	9	28486	18
26943	8	27228	4	27760	6	28091	9	28500	20
26944	8	27230	4	27790	6	28094	10	28522	20
26945	8	27232	4	27791	6	28097	9	28524	20
26946	8	27234	4	27801	5	28098	9	28526	20
26947	8	27235	4	27802	5	28105	18	28591	20
26948	8	27237	4	27803	5	28106	18	28801	20
26949	8	27238	4	27804	5	28107	18	28805	20
26950	8	27240	4	27805	5	28108	18	28807	20
26951	8	27242	4	27811	5	28109	18	28809	20
26952	8	27243	4	27817	5	28110	18	28810	20
26953	8	27290	4	27823	5	28112	18	28812	20
26954	8	27302	4	27829	5	28114	18	28814	20
26955	8	27305	4	27835	5	28116	19	28816	20
26956	8	27307	4	27841	5	28117	19	28818	20
26957	8	27310	4	27847	5	28118	19	28825	20
26958	11	27312	4	27850	5	28119	19	28826	20
26959	11	27314	4	27851	5	28120	19	28827	20
26960	11	27316	4	27852	5	28122	19	28828	20
26961	11	27320	4	27853	5	28123	19	28829	20
26962	8	27322	4	27854	5	28124	19	28830	20
26963	8	27324	4	27855	5	28126	18	28882	20
26964	8	27326	4	27856	5	28127	18	28890	20
26965	8	27390	4	27857	5	28128	18	28895	20
26966	8	27393	4	27890	5	28129	18	30240	16
26967	8	27399	4	27894	5	28130	18	30242	16

CALIFORNIA PROPOSITION 65 WARNING

These products contain chemicals known to the state of California to cause cancer and birth defects or other reproductive harm. (California law requires this warning to be given to customers in the state of California.)

www.wihatools.com



Tools that work for you

Item No.	Pg.	Item No.	Pg.	Item No.	Pg.	Item No.	Pg.	Item No.	Pg.
30244	16	44511	27	75307	13	75640	12	75743	13
30246	16	44512	27	75309	13	75641	12	75744	13
30248	16	44513	27	75313	13	75642	12	75745	13
30292	17	44514	27	75315	13	75643	13	75746	13
31150	16	44515	27	75320	13	75644	13	75747	13
31151	16	44518	28	75322	13	75645	13	75748	13
31152	16	44520	28	75325	13	75646	13	75801	11
32702	21	44521	28	75327	13	75647	13	75810	13
32703	21	44522	28	75330	13	75648	13	75811	13
32704	21	44523	28	75332	13	75649	12	75812	13
32705	21	44524	28	75340	13	75650	12	75813	13
32706	21	44525	28	75342	13	75651	12	75814	13
32708	21	44526	28	75350	13	75652	12	75815	13
32710	22	44527	28	75352	13	75653	12	75816	13
32711	22	44528	28	75354	13	75654	12	75817	13
32712	22	44529	28	75356	13	75655	12	75820	13
32714	22	44530	28	75358	13	75656	12	75821	13
32716	22	44531	28	75360	13	75657	12	75822	13
32718	22	44532	28	75362	13	75658	12	75823	13
32720	22	44533	28	75364	13	75659	12	75824	13
32721	22	44590	9	75366	13	75660	12	75825	13
32722	23	45810	25	75368	13	75661	12	75826	13
32724	23	45811	25	75370	13	75662	12	75827	13
32726	23	45812	25	75372	13	75663	12	75900	11
32728	23	45813	25	75602	12	75664	12	75901	11
32732	23	45814	25	75603	12	75665	12	75902	11
32734	23	45820	25	75604	12	75666	12	75965	14
32742	23	45821	26	75605	12	75667	12	75968	14
32744	23	45822	26	75606	12	75668	12	75971	14
32746	23	45823	26	75607	12	75669	12	75977	14
32748	24	45824	26	75608	12	75670	12	75991	15
32750	24	45890	26	75609	12	75671	12	75992	15
32752	24	55531	28	75610	12	75672	12	75994	15
32760	24	55532	28	75611	12	75673	12	75995	14
32762	24	55533	28	75612	12	75674	12	75996	14
32790	24	55534	29	75613	12	75675	12	91118	5
32791	24	55535	29	75614	12	75676	12	92092	5
32793	24	55536	29	75615	12	75677	12		
36200	16	55537	29	75616	12	75678	12		
36204	16	55538	29	75617	12	75679	12		
36206	16	55539	29	75618	12	75680	12		
36208	16	55546	29	75619	12	75681	12		
36209	16	55547	29	75620	12	75682	12		
36218	16	75008	13	75621	12	75683	12		
36219	16	75012	13	75622	12	75701	13		
36224	16	75015	13	75623	12	75702	13		
36260	16	75018	13	75624	12	75703	13		
36289	17	75020	13	75625	12	75704	13		
38701	16	75025	13	75626	12	75705	13		
38790	16	75030	13	75627	12	75706	13		
41105	17	75035	13	75628	12	75707	13		
41106	17	75040	13	75629	12	75708	13		
44501	27	75093	15	75630	12	75709	13		
44502	27	75094	15	75631	12	75710	13		
44503	27	75095	15	75632	12	75715	13		
44504	27	75096	15	75633	12	75720	13		
44505	27	75097	15	75634	12	75727	13		
44506	27	75105	13	75635	12	75728	13		
44507	27	75110	13	75636	12	75729	13		
44508	27	75115	13	75637	12	75735	13		
44509	27	75120	13	75638	12	75739	13		
44510	27	75125	13	75639	12	75742	13		

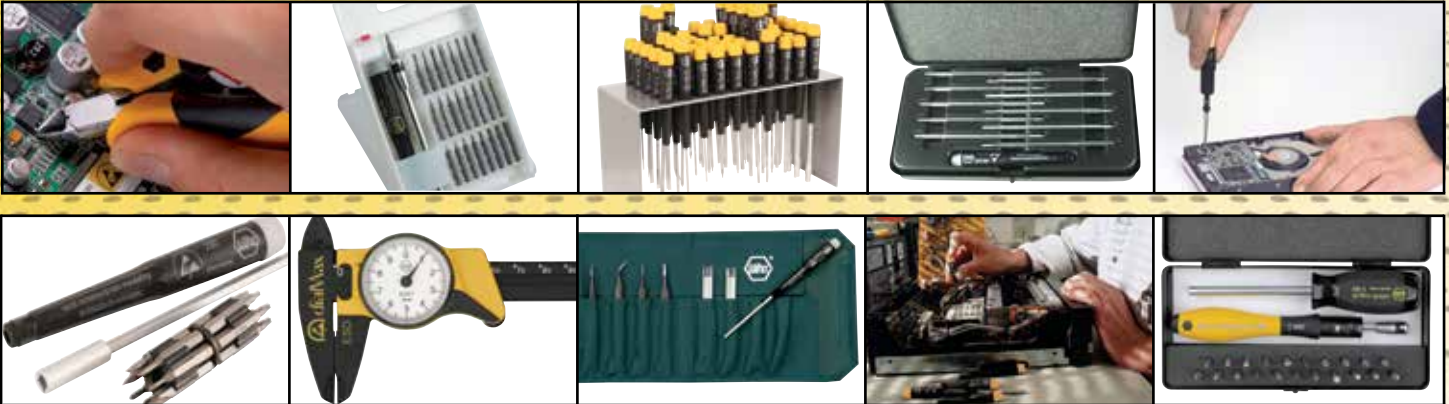
MANUFACTURING
EXCELLENCE
AWARD
BESTES KMU
2014

WIHA – WINNER OF THE
MX AWARD 2014.
GERMANY'S BEST SME.



wiha

Tools that work for you



(800) 494-6104
fax: (800) 494-7456
cservice@wihatools.com
www.wihatools.com

Catalog Item No. 99945 .wo
version - 4/1/17

**Subject to change
without notice**

©2017 Willi Hahn
Corporation

@Torx is a registered trademark of
Acument Intellectual Properties LLC.



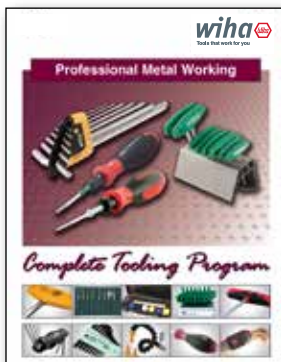
Wiha Quality Tools

1348 Dundas Circle
Monticello, MN 55362
tel: 763.295.6591
fax: 763.295.6598

Wiha Tools Canada Ltd.

www.wihatools.ca
Brampton, ONT L6T 4X4
tel: 866.494.0096 or 763.295.6591
fax: 763.295.6598

To:



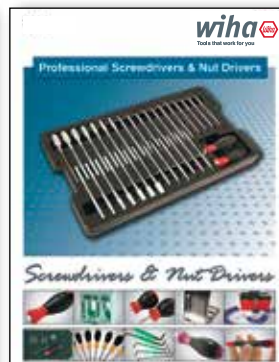
91330.wo - Tooling Catalog



99004.wo - Shop Tools Catalog



99914.wo - TORX Catalog



99002.wo - Screwdrivers Catalog



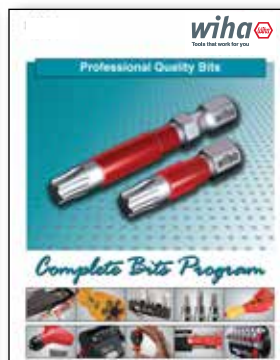
99919.wo - Insulated Catalog



99001.wo - TorqueControl Catalog



99934.wo - Hex Tools Catalog



99951.wo - Bits Catalog



99977.wo - Pliers/Crimpers Catalog



99006.wo - Tech Tools Catalog