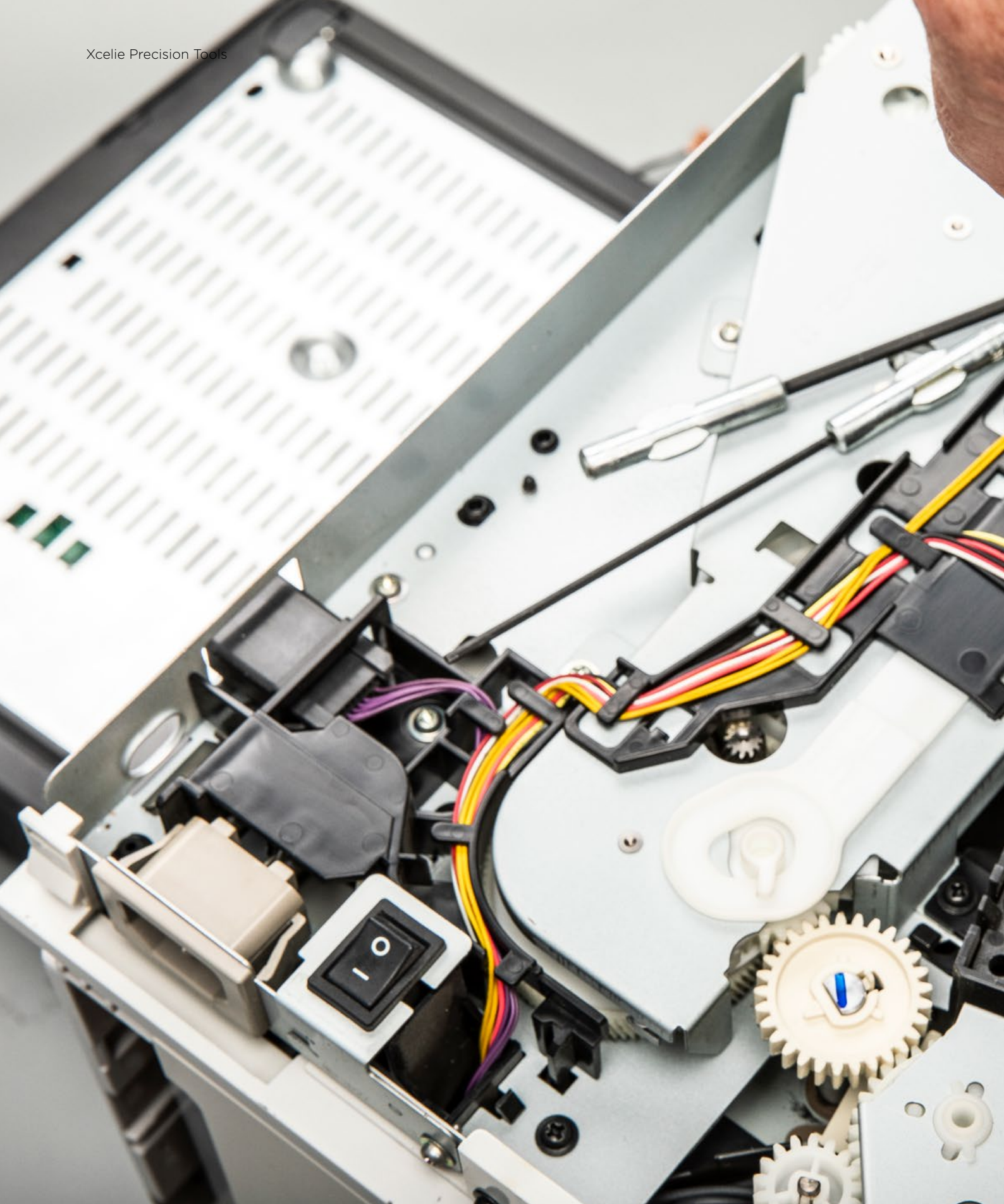
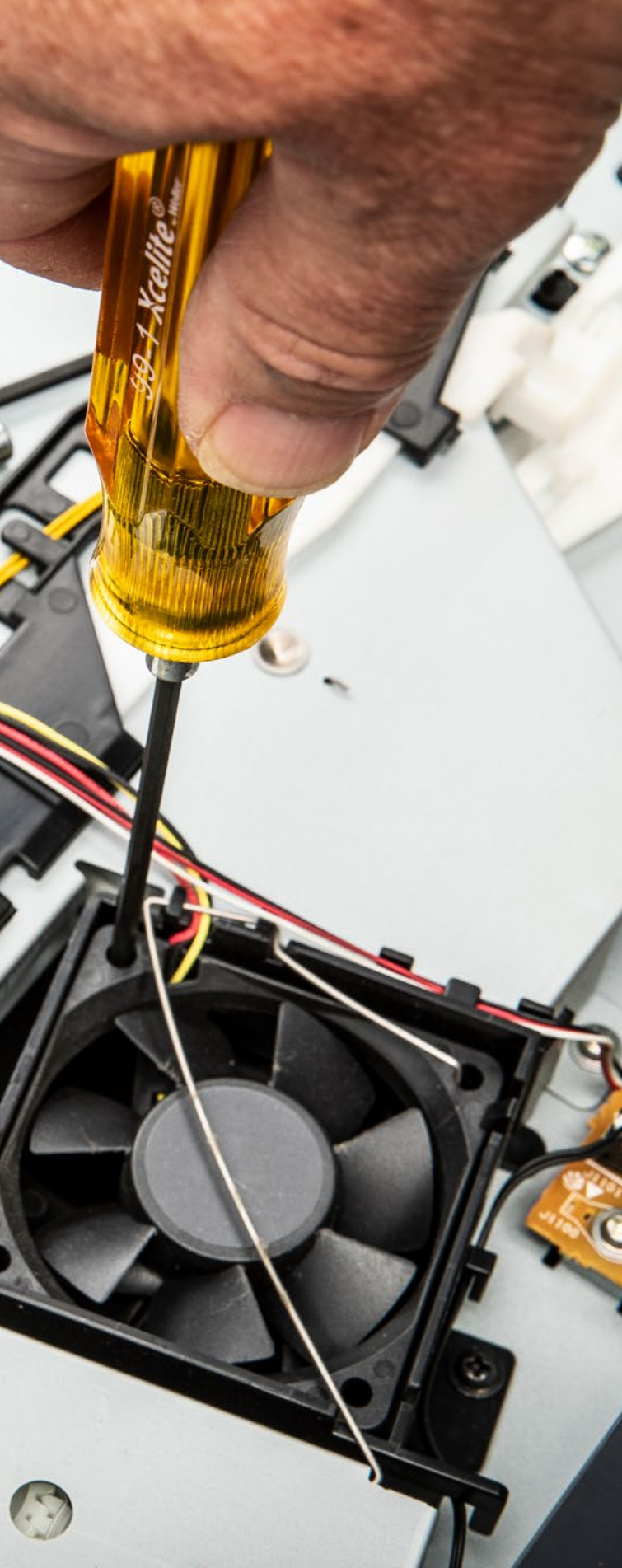




Xcelite Precision Tools make complex work easier.

Professional tools for electronic, electrical and automation engineering tasks.





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Product Overview

Xcelite Precision Tools

Originating from the humble beginnings of a small metal-working company in 1921, the Weller Xcelite brand of precision hand tools has been a favorite of professionals for over a century.

It is renowned in the industry for its comprehensive line of high quality tools like precision screw- and nutdrivers, pliers, cutters, interchangeable blade sets as well as specialized tools and Sets.



Pro Series Screwdrivers & Nutdrivers

Pro Series Screwdrivers & Nutdrivers are designed for precision and durability, with most products featuring ESD-safety to protect sensitive electronic components from electrostatic discharge. Their ergonomic design and high quality materials ensure a comfortable grip as well as excellent performance for electronic applications. The perfect blend of form and function.

Pages 8 – 17



Classic Series Screwdrivers & Nutdrivers

Designed for the hands of experts, Classic Series Screwdrivers & Nutdrivers are a testament to traditional craftsmanship, featuring durable plastic handles and high-quality chrome vanadium steel for long-lasting use. Available in a variety of heads and sizes, they offer versatility for a wide range of applications.

Pages 18 – 39



Series 99® Screwdrivers & Nutdrivers

Series 99® redefines versatility with interchangeable blades, shanks, and handles, allowing for a customized toolSet that grows with your needs. Crafted for adaptability and efficiency, these tools enable users to assemble the perfect set for any task, ensuring quality and precision with every turn. Whether expanding an existing collection or building one from scratch, the Series 99® offers a practical and cost-effective solution for professionals.

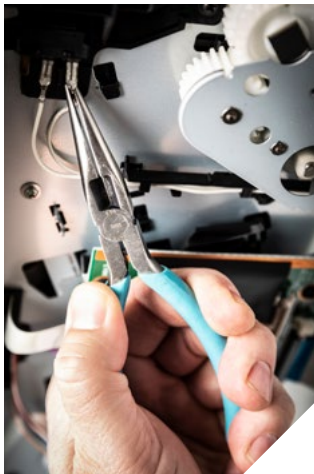
Pages 40 – 55



Micro Series Cutters & Pliers

Micro Series Cutters & Pliers offer precision and comfort for electronics assembly, featuring ESD-safe cushioned grips and high-quality carbon steel blades. These features, along with their non-glare black finish and lightweight construction make them ideal for extended use, ensuring both efficiency and protection for delicate components. These tools are the go-to choice for professionals seeking reliability and precision in a compact form.

Pages 62 – 67



Pro Series Cutters & Pliers

Pro Series Cutters & Pliers are robust and reliable, designed with ESD-safe grips and a wide selection of heads to meet the needs of various industrial environments, from precision work to more demanding applications. With an emphasis on ergonomic construction, these tools provide a balance of performance and comfort, making them a practical choice for everyday industrial use.

Pages 68 – 97



Precision Knives & Blades

Precision Knives and Blades offer a superior selection tailored for both professionals and hobbyists, ensuring precision and durability. The knives feature interchangeable blades secured by a sure-locking four-jaw chuck, providing stability for the most meticulous tasks. Crafted from surgical steel, the blades are honed to maintain a sharp, long-lasting edge for the finest and most consistent cuts.

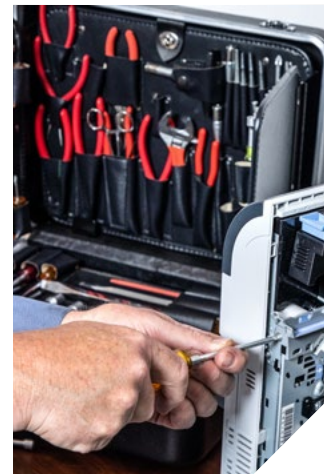
Pages 98 – 103



Specialty Tools

Weller Xcelite Specialty Tools are the quintessential tools for any electrical and automation work, offering unmatched precision and ease of use. Their robust construction and ergonomic design ensure a comfortable and secure grip, making them indispensable for professionals seeking efficiency and reliability in their electrical and automation tasks.

Pages 104 – 111



Professional Tool Cases

Weller Xcelite Professional Tool Cases are the ultimate collection for any technician, encapsulating the finest Xcelite tools in one convenient case. These cases are assembled to include a comprehensive range of tools, ensuring that every professional need is met. The robust cases provide easy access and secure storage, making them an indispensable asset for professionals on the go.

Pages 112 – 115



Weller Xcelite Screwdriver & Nutdriver Tool Overview



Phillips® Type Screws

These tools are intended for the following types of screws:

- Wood screws
- Machine screws
- Round fillister
- Sheetmetal screws (flat, round, oval, stove, binding)



Slotted Screws

These tools are intended for the following types of screws:

- Wood screws
- Machine screws
- Round fillister
- Sheetmetal screws (flat, round, oval, stove, binding)



Allen® Type Hex Socket Screws

These tools are intended for the following types of screws:

- Cap screws 1960 series
- Cap screws 1936 series
- Flat head cap screws
- Button head cap screws
- Shoulder screwsh
- Set screws





Hex Head Bolts and Screws Nuts

These tools are intended for the following types of bolts and screw nuts:

- Hex machine screw nuts
- Hex nuts
- Hex head bolts
- Hex head cap screws
- Hex head screws



Torx® Screws

These tools are intended for the following types of screws:

- Torx® screws



Bristol Type Multiple-spline Socket Screws

These tools are intended for the following types of screws:

- Cap screws 1960 series
- Flat head
- Button head
- Set screws



Phillips® is a registered trademark of The Phillips Screw Co.
Torx® is the trademark of Camcar Division of Textron Inc.
Allen® is a registered trademark of Apex Brands, Inc.

6.1 Pro Series Screwdrivers & Nutdrivers


Pro Series Screwdrivers & Nutdrivers are crafted with an emphasis on precision and lasting durability. The tools' ergonomic design, coupled with the use of high-quality materials, guarantees a comfortable grip that enhances the user experience.


These tools are designed to deliver superior performance across a range of electronic applications with a perfect balance of form and function.

The inclusion of ESD-safety in the majority of these products helps protect sensitive electronic components from the risks associated with electrostatic discharge.

 Ergonomic design

 High-quality composite handles

 Blades made from AISI 6150 chrome vanadium steel*

 Rotating head**



ESD-Safe

All Xcelite Pro Series Screwdrivers & Nutdrivers are ESD-safe*

*Does not apply to XPMB8 8-in-1 Screwdriver

** Applies only to XP600, XPTX600 and XPND600



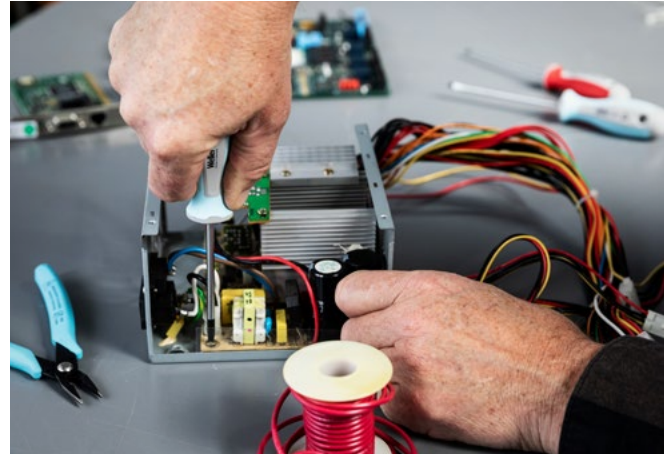


Pro Series Screwdrivers

Ergonomic Style/Phillips® Type



- Ergonomically designed handles for sustained high torque with minimal slippage and muscle fatigue
- Shockproof composite handle core with soft & slip-resistant coating
- ESD-safe core to protect sensitive components
- Smooth shatterproof seamless handle cap for minimal friction between hand and handle when screwdriver is being turned
- Narrow pinch grip for comfort and control
- Thumb bolster for added downward force
- Satin finish chrome molybdenum steel shafts for added durability
- Specially treated black oxide tips eliminate light reflection



XPE101



XPE102



Description	Packed	Handle Color	Point Size	Blade Diameter (inch)	Blade Diameter (mm)	Blade Length (inch)	Blade Length (mm)	Screwdriver Length (inch)	Screwdriver Length (mm)	Order No.
#1 Phillips® Ergo Handle Screwdriver	Boxed	Blue	1	3/16	4.8	3	76.2	6 3/4	171.5	XPE101
#2 Phillips® Ergo Handle Screwdriver	Boxed	Blue	2	1/4	6.4	4	101.6	7 3/4	196.9	XPE102



Ergonomic Style/Round Blade, Slotted



- Ergonomically designed handles for sustained high torque with minimal slippage and muscle fatigue
- Shockproof composite handle core with soft & slip-resistant coating
- ESD-safe core to protect sensitive components
- Smooth shatterproof seamless handle cap for minimal friction between hand and handle when screwdriver is being turned
- Narrow pinch grip for comfort and control
- Thumb bolster for added downward force
- Satin finish chrome molybdenum steel shafts for added durability
- Specially treated black oxide tips eliminate light reflection

XPE184**XPE5324****XPE3166****XPE144**

Description	Packed	Handle Color	Blade Diameter (inch)	Blade Diameter (mm)	Blade Length (inch)	Blade Length (mm)	Screwdriver Length (inch)	Screwdriver Length (mm)	Order No.
1/8 x 4" Slotted Ergo Handle Screwdriver	Boxed	Blue	1/8	3.2	4	101.6	7 3/16	182.3	XPE184
5/32 x 4" Slotted Ergo Handle Screwdriver	Boxed	Blue	5/32	4.0	4	101.6	7 13/32	188.1	XPE5324
3/16 x 6" Slotted Ergo Handle Screwdriver	Boxed	Blue	3/16	4.8	6	152.4	9 3/4	247.7	XPE3166
1/4 x 6" Slotted Ergo Handle Screwdriver	Boxed	Blue	1/4	6.4	6	152.4	9 3/4	247.7	XPE144

Pro Series Sets

Precision Screwdriver Set with Storage Case/ 2 x Phillips® Type/ 4 x Slotted/6 Pieces



- ESD-safe to provide protection to electrostatic-sensitive items
- Chrome-molybdenum vanadium steel blades provide superior strength
- Fast turning swivel caps with cavity provides optimum control for precise centering
- Black oxide tips for longer wear life
- No-roll handle design keeps screwdrivers from rolling off uneven surfaces
- Storage case provides a home and keeps screwdrivers safe



Description	Packed	Contents	Order No.
6 Pieces ESD-Safe Phillips® / Slotted Precision Screwdriver Set with Storage Case	Storage case	2 x Phillips® screwdrivers #00, #0 4 x Slotted screwdrivers 1.5 mm x 60 mm, 2.0 mm x 60 mm, 2.5 mm x 60 mm, 3.0 mm x 60 mm	XP600



Precision Screwdriver Set with Storage Case/ Torx® Type/6 Pieces



- ESD-safe to provide protection to electrostatic-sensitive items
- Chrome-molybdenum vanadium steel blades provide superior strength
- Fast turning swivel caps with cavity provides optimum control for precise centering
- Black oxide tips for longer wear life
- No-roll handle design keeps screwdrivers from rolling off uneven surfaces
- Storage case provides a home and keeps screwdrivers safe



Description	Packed	Contents	Order No.
6 Pieces ESD-Safe Torx® Precision Screwdriver Set with Storage Case	Storage case	6 x Torx® screwdrivers T5, T6, T7, T8, T10, T15	XPTX600

Precision Nutdriver Set with Storage Case/6 Pieces



- ESD-safe to provide protection to electrostatic-sensitive items
- Chrome-molybdenum vanadium steel blades provide superior strength
- Fast turning swivel caps with cavity provides optimum control for precise centering
- No-roll handle design keeps screwdrivers from rolling off uneven surfaces
- Storage case provides a home and keeps screwdrivers safe



Description	Packed	Contents	Order No.
6 Pieces ESD-Safe Precision Nutdriver Set with Storage Case	Storage case	6 x Nutdrivers 7/64", 1/8", 9/64", 5/32", 3/16", 7/32"	XPND600



Pro Series Screwdriver Set/ 2 x Phillips® Type/3 x Slotted/5 Pieces



- Shockproof composite handle core with soft & slip-resistant coating
- ESD-safe core to protect sensitive components
- Ergonomically designed handles for sustained high torque with minimal slippage and muscle fatigue
- Smooth shatterproof seamless handle cap for minimal friction between hand and handle when screwdriver is being turned
- Narrow pinch grip for comfort and control
- Thumb bolster for added downward force
- Satin finish chrome molybdenum steel shafts for added durability
- Specially treated black oxide tips eliminate light reflection



Description	Packed	Contents	Order No.
5 Pieces ESD-Safe Phillips® / Slotted Pro Series Screwdriver Set	Hanging display box	2 x Phillips® ergo handle screwdrivers #1, #2 (Find single products on page 10) 3 x Slotted ergo handle screwdrivers 1/8 x 4", 3/16 x 6", 1/4 x 4" (Find single products on page 11)	XPE500

Pro Series Screwdriver Set/ 2 x Phillips® Type/5 x Slotted/7 Pieces



- Shockproof composite handle core with soft & slip-resistant coating
- ESD-safe core to protect sensitive components
- Ergonomically designed handles for sustained high torque with minimal slippage and muscle fatigue
- Smooth shatterproof seamless handle cap for minimal friction between hand and handle when screwdriver is being turned
- Narrow pinch grip for comfort and control
- Thumb bolster for added downward force
- Satin finish chrome molybdenum steel shafts for added durability
- Specially treated black oxide tips eliminate light reflection



Description	Packed	Contents	Order No.
7 Pieces ESD-Safe Phillips® / Slotted Pro Series Screwdriver Set	Hanging display box	2 x Phillips® ergo handle screwdrivers #1, #2 (Find single products on page 10) 5 x Slotted ergo handle screwdrivers 1/8 x 4", 5/32 x 4", 5/32 x 6", 3/16 x 6", 1/4 x 4" (Find single products on page 11)	XPE700



8-In-1 Pro Series Screwdriver/ with Integrated Bit Depot/7 x Industrial Grade Bits/ 8 Pieces



- Ergonomic soft-grip handle for maximum torque
- Telescopic turn-and-click depot of 7 bits
- Industrial grade bits: Phillips® #1, #3, slotted 1/8", 3/16" and Torx® T15, T20, T25
- 1/4" hex driver with strong magnetic bit holding power
- Chrome-molybdenum vanadium steel blade provides superior strength
- Durable low glare satin finish shaft
- Thumb bolster for added downward force
- No-roll handle design keeps screwdriver from rolling off uneven surfaces



Description	Packed	Contents	Order No.
8-In-1 Pro Series Screwdriver with Integrated Bit Depot	Carded	1 x Hex driver 1/4" with magnet bit holding power and integrated bit depot 2 x Phillips® bits #1, #3 2 x Slotted bits 1/8", 3/16" 3 x Torx® bits T15, T20, T25	XPMB8





6.2 Classic Series Screwdrivers & Nutdrivers

The Classic Series Screwdrivers & Nutdrivers are designed specifically for professionals who appreciate traditional toolmaking.

These tools feature handles made from durable plastic, ensuring a firm grip and longevity. The shafts are constructed from high-quality chrome vanadium steel, making them strong and durable.

With a selection that includes various head types and sizes, these screwdrivers and nutdrivers are versatile enough to tackle a broad spectrum of tasks. They will make anyone think, "Man! What tools to handle!"

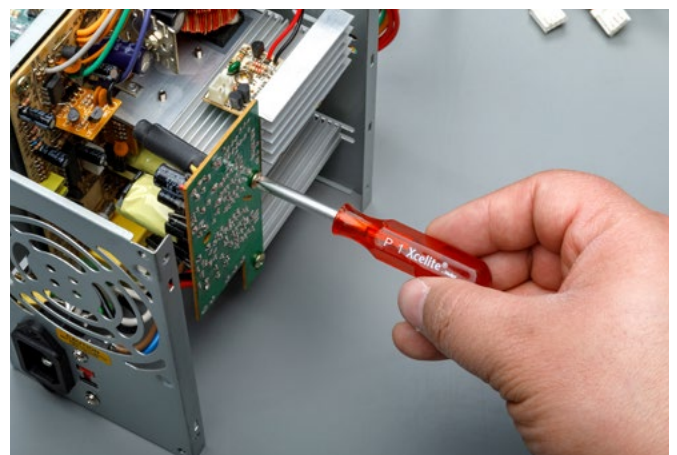
Classic
Xcelite design



High-quality & durable
plastic handles



Large variety of
heads and sizes





Classic Series Screwdrivers

Regular Style / Round Blade, Slotted



- Blade made from AISI 6150 chrome vanadium steel
- Molded firm grip



Description	Packed	Handle Color	Blade Diameter (inch)	Blade Diameter (mm)	Blade Length (inch)	Blade Length (mm)	Screwdriver Length (inch)	Screwdriver Length (mm)	Order No.
1/8 x 2" Slotted Round Blade Screwdriver	Boxed	Amber	1/8	3.2	2	50.8	4 5/8	117.5	R182N
1/8 x 3" Slotted Round Blade Screwdriver	Boxed	Amber	1/8	3.2	3	76.2	5 1/4	133.4	R183N
1/8 x 4" Slotted Round Blade Screwdriver	Boxed	Amber	1/8	3.2	4	101.6	6 5/8	168.3	R184N
1/8 x 6" Slotted Round Blade Screwdriver	Boxed	Amber	1/8	3.2	6	152.4	8 5/8	219.1	R186N
1/8 x 8" Slotted Round Blade Screwdriver	Boxed	Amber	1/8	3.2	8	203.2	10 5/8	269.9	R188N
1/8 x 10" Slotted Round Blade Screwdriver	Boxed	Amber	1/8	3.2	10	254.0	12 5/8	320.7	R1810N
5/32 x 3" Slotted Round Blade Screwdriver	Boxed	Amber	5/32	4.0	3	76.2	5 5/8	142.9	R5323N
5/32 x 4" Slotted Round Blade Screwdriver	Boxed	Amber	5/32	4.0	4	101.6	6 5/8	168.3	R5324N
3/16 x 3" Slotted Round Blade Screwdriver	Boxed	Amber	3/16	4.8	3	76.2	6 5/8	168.3	R3163N
3/16 x 4" Slotted Round Blade Screwdriver	Boxed	Amber	3/16	4.8	4	101.6	7 5/8	193.7	R3164N
3/16 x 6" Slotted Round Blade Screwdriver	Boxed	Amber	3/16	4.8	6	152.4	9 5/8	244.5	R3166N
3/16 x 8" Slotted Round Blade Screwdriver	Boxed	Amber	3/16	4.8	8	203.2	11 5/8	295.3	R3168N
1/4 x 4" Slotted Round Blade Screwdriver	Boxed	Amber	1/4	6.4	4	101.6	8 1/8	206.4	R144N
1/4 x 6" Slotted Round Blade Screwdriver	Boxed	Amber	1/4	6.4	6	152.4	10 1/8	257.2	R146N
1/4 x 10" Slotted Round Blade Screwdriver	Boxed	Amber	1/4	6.4	10	254.0	14 1/8	358.8	R1410N
5/16 x 6" Slotted Round Blade Screwdriver	Boxed	Amber	5/16	7.9	6	152.4	10 1/2	266.7	R5166N
5/16 x 8" Slotted Round Blade Screwdriver	Boxed	Amber	5/16	7.9	8	203.2	12 1/2	317.5	R5168N
3/8 x 8" Slotted Round Blade Screwdriver	Boxed	Amber	3/8	9.5	8	203.2	12 1/2	317.5	R388N



Pocket-Clip Style/Round Blade, Slotted



- Blade made from AISI 6150 chrome vanadium steel
- Molded firm grip



Description	Packed	Handle Color	Blade Diameter (inch)	Blade Diameter (mm)	Blade Length (inch)	Blade Length (mm)	Screwdriver Length (inch)	Screwdriver Length (mm)	Order No.
3/32 x 2" Slotted Pocket-Clip Style Round Blade Screwdriver	Boxed	Green	3/32	2.4	2	50.8	4 1/4	108.0	R3322N / R3322BKN
3/32 x 3" Slotted Pocket-Clip Style Round Blade Screwdriver	Boxed	Green	3/32	2.4	3	76.2	5 1/4	133.4	R3323N
3/32 x 4" Slotted Pocket-Clip Style Round Blade Screwdriver	Boxed	Green	3/32	2.4	4	101.6	6 1/4	158.8	R3324N
1/8 x 2" Slotted Pocket-Clip Style Round Blade Screwdriver	Boxed	Red	1/8	3.2	2	50.8	4 1/4	108.0	R181N

Mini Style/Round Blade, Slotted



- Convertible mini screwdriver
- Can be used with "piggyback" torque amplifier handle HTA2N



Description	Packed	Handle Color	Blade Diameter (inch)	Blade Diameter (mm)	Blade Length (inch)	Blade Length (mm)	Screwdriver Length (inch)	Screwdriver Length (mm)	Order No.
3/32 x 1" Mini Slotted Screwdriver	Carded	Green	3/32	2.4	1 1/4	31.7	3 1/2	88.9	P3321N



Regular Style/Phillips® Type



- Blade made from AISI 6150 chrome vanadium steel
- Molded firm grip



Description	Packed	Handle Color	Point Size	Blade Diameter (inch)	Blade Diameter (mm)	Blade Length (inch)	Blade Length (mm)	Screwdriver Length (inch)	Screwdriver Length (mm)	Order No.
#0 Phillips® Screwdriver	Boxed	Amber	0	1/8	3.2	2	50.8	4 5/8	117.5	X100N / X100BKN
#1 Phillips® Screwdriver	Boxed	Amber	1	3/16	4.8	3	76.2	6 5/8	168.3	X101N / X101BKN
#1 Phillips® Screwdriver	Boxed	Amber	1	3/16	4.8	6	152.4	9 5/8	244.5	X108N / X108BKN
#2 Phillips® Screwdriver	Boxed	Amber	2	1/4	6.4	4	101.6	8 1/8	206.4	X102N / X102BKN
#3 Phillips® Screwdriver	Boxed	Amber	3	5/16	7.9	6	152.4	10 1/2	266.7	X103N

Stubby/Phillips® Type



- Stubby square blade screwdriver
- Blade made from AISI 6150 chrome vanadium steel
- Molded firm grip



Description	Packed	Handle Color	Point Size	Blade Diameter (inch)	Blade Diameter (mm)	Blade Length (inch)	Blade Length (mm)	Screwdriver Length (inch)	Screwdriver Length (mm)	Order No.
#1 Stubby Phillips® Screwdriver	Boxed	Amber	1	3/16	4.8	1 1/4	31.8	3 1/4	82.6	SX101N
#2 Stubby Phillips® Screwdriver	Boxed	Amber	2	1/4	6.4	1 5/16	33.3	3 3/8	85.7	SX102N / SX102BKN



Extra Long/Phillips® Type



- Blade made from AISI 6150 chrome vanadium steel, plated for protection
- Molded firm grip



Description	Packed	Handle Color	Point Size	Blade Diameter (inch)	Blade Diameter (mm)	Blade Length (inch)	Blade Length (mm)	Screwdriver Length (inch)	Screwdriver Length (mm)	Order No.
#1 Extra Long Phillips® Screwdriver	Boxed	Amber	1	3/16	4.8	10	254.0	13 5/8	346.1	X1010N
#2 Extra Long Phillips® Screwdriver	Boxed	Amber	2	1/4	6.4	10	254.0	14 1/8	358.8	X1020N

Pocket-Clip Style/Phillips® Type



- Screwdriver for recess head screws
- Molded firm grip



Description	Packed	Handle Color	Point Size	Blade Diameter (inch)	Blade Diameter (mm)	Blade Length (inch)	Blade Length (mm)	Screwdriver Length (inch)	Screwdriver Length (mm)	Order No.
#0 Phillips Screwdriver for Recess Head Screws	Boxed	Blue	0	1/8	3.2	2	50.8	4 1/4	108.0	P12SN



Mini Style/Phillips® Type



- Convertible mini screwdriver
- Can be used with “piggyback” torque amplifier handle HTA2N



Description	Packed	Handle Color	Point Size	Blade Diameter (inch)	Blade Diameter (mm)	Blade Length (inch)	Blade Length (mm)	Screwdriver Length (inch)	Screwdriver Length (mm)	Order No.
#1 Mini Phillips® Screwdriver	Carded	Brown	1	3/16	4.8	1 11/32	34.1	3 19/32	91.2	P1N

Super-Tru Tip/Phillips® Type



- Super-tru tip for longer wear life and reduction of damage to screw head recesses especially in smaller size fasteners
- Specially treated and finished tips with black oxide for ultimate control
- Bright, nickel chrome-plated blades
- Molded firm grip



Description	Packed	Handle Color	Point Size	Blade Diameter (inch)	Blade Diameter (mm)	Blade Length (inch)	Blade Length (mm)	Screwdriver Length (inch)	Screwdriver Length (mm)	Order No.
#0 Super-Tru Tip - Phillips® Screwdriver	Boxed	Black	0	1/8	3.2	2	50.8	4 5/8	117.5	XST100N
#1 Super-Tru Tip - Phillips® Screwdriver	Boxed	Black	1	3/16	4.8	3	76.2	6 5/8	168.3	XST101N
#1 Super-Tru Tip - Phillips® Screwdriver	Boxed	Black	1	3/16	4.8	10	254.0	13 5/8	346.1	XST1010N
#2 Super-Tru Tip - Phillips® Screwdriver	Boxed	Black	2	1/4	6.4	4	101.6	8 1/8	206.4	XST102N
#2 Super-Tru Tip - Phillips® Screwdriver	Boxed	Black	2	1/4	6.4	10	254.0	14 1/8	358.8	XST1020N

Regular Style/Allen® Hex Type/Inch Sizes



- Screwdriver for recessed socket head screws
- Inch sizes
- Molded firm grip



Description	Packed	Handle Color	Blade Diameter (inch)	Blade Diameter (mm)	Blade Length (inch)	Blade Length (mm)	Screwdriver Length (inch)	Screwdriver Length (mm)	Order No.
1/16" Allen® Hex Screwdriver	Boxed	Amber	1/16	1.6	4	101.6	6 5/8	168.3	LN21N
3/32" Allen® Hex Screwdriver	Boxed	Amber	3/32	2.4	4	101.6	7 1/8	181.0	LN23N

Mini Style/Hex Type



- Convertible mini screwdriver
- Can be used with "piggyback" torque amplifier handle HTA2N



Description	Packed	Handle Color	Blade Diameter (inch)	Blade Diameter (mm)	Blade Length (inch)	Blade Length (mm)	Screwdriver Length (inch)	Screwdriver Length (mm)	Order No.
0.035" Mini Hex Screwdriver	Carded	Red	0.035	0.9	25/32	19.8	3 1/2	89.0	TP19N
0.050" Mini Hex Screwdriver	Carded	Red	0.050	1.3	25/32	19.8	3 1/2	89.0	TP20N



Classic Series Nutdrivers

Regular Nutdrivers / Full Hollow Shaft / Inch Sizes



- Precision machined socket with bright finish
- Molded firm grip



Description	Packed	Handle Color	Blade Diameter (inch)	Blade Diameter (mm)	Depth of Hole (inch)	Depth of Hole (mm)	Blade Length (inch)	Blade Length (mm)	Nutdriver Length (inch)	Nutdriver Length (mm)	Order No.
3/16" Hex Nutdriver	Boxed	Black	3/16	4.8	6	152.4	3 1/8	79.4	6 1/4	158.8	HS6N
7/32" Hex Nutdriver	Boxed	Brown	7/32	5.6	6	152.4	3 1/8	79.4	6 1/4	158.8	HS7N
1/4" Hex Nutdriver	Boxed	Red	1/4	6.4	7	177.8	3 1/8	79.4	7 1/4	184.2	THS8N
9/32" Hex Nutdriver	Boxed	Orange	9/32	7.1	7	177.8	3 1/8	79.4	7 1/4	184.2	THS9N
5/16" Hex Nutdriver	Boxed	Amber	5/16	7.9	7	177.8	3 1/8	79.4	7 1/4	184.2	HS10N
11/32" Hex Nutdriver	Boxed	Green	11/32	8.7	7	177.8	3 1/8	79.4	7 1/4	184.2	HS11N
3/8" Hex Nutdriver	Boxed	Blue	3/8	9.5	7	177.8	3 1/8	79.4	7 1/4	184.2	HS12N
7/16" Hex Nutdriver	Boxed	Brown	7/16	11.1	7	177.8	3 1/8	79.4	7 1/4	184.2	HS14N
1/2" Hex Nutdriver	Boxed	Red	1/2	12.7	7	177.8	3 1/8	79.4	7 1/4	184.2	HS16N
9/16" Hex Nutdriver	Boxed	Orange	9/16	14.3	7	177.8	3 1/8	79.4	7 1/4	184.2	HS18N



Regular Nutdrivers/Full Hollow Shaft/Metric Sizes



- Bright finished blades, shaft and shanks
- Manufactured precisely to metric dimensions



Description	Packed	Handle Color	Blade Diameter (inch)	Blade Diameter (mm)	Depth of Hole (inch)	Depth of Hole (mm)	Blade Length (inch)	Blade Length (mm)	Nutdriver Length (inch)	Nutdriver Length (mm)	Order No.
13 mm Nutdriver	Boxed	Black	–	13.0	–	178.0	–	79.0	–	184.0	13MMN

Extra Long Nutdrivers/Full Hollow Shaft/Inch Sizes



- Precision machined socket with bright finish
- Molded firm grip



Description	Packed	Handle Color	Blade Diameter (inch)	Blade Diameter (mm)	Depth of Hole (inch)	Depth of Hole (mm)	Blade Length (inch)	Blade Length (mm)	Nutdriver Length (inch)	Nutdriver Length (mm)	Order No.
1/4" Extra Long Hex Nutdriver	Boxed	Red	1/4	6.4	9 3/4	247.7	6	152.4	10 1/8	257.2	L8N
5/16" Extra Long Hex Nutdriver	Boxed	Amber	5/16	7.9	9 3/4	247.7	6	152.4	10 1/8	257.2	TL10N
11/32" Extra Long Hex Nutdriver	Boxed	Green	11/32	8.7	9 3/4	247.7	6	152.4	10 1/8	257.2	TL11N
3/8" Extra Long Hex Nutdriver	Boxed	Blue	3/8	9.5	9 3/4	247.7	6	152.4	10 1/8	257.2	TL12N



Regular Nutdrivers/Drilled Shaft/Metric Sizes



- Bright finished blades, shaft and shanks
- Manufactured precisely to metric dimensions



Description	Packed	Handle Color	Blade Diameter (inch)	Blade Diameter (mm)	Depth of Hole (inch)	Depth of Hole (mm)	Blade Length (inch)	Blade Length (mm)	Nutdriver Length (inch)	Nutdriver Length (mm)	Order No.
5.5 mm Nutdriver	Boxed	Black	–	5.5	–	29.0	–	76.0	–	156.0	55MMN
7 mm Nutdriver	Boxed	Black	–	7.0	–	29.0	–	76.0	–	156.0	7MMN
8 mm Nutdriver	Boxed	Black	–	8.0	–	29.0	–	76.0	–	156.0	8MMN

Magnetic Nutdrivers/Inch Sizes



- Ultimate in convenience for assembly and service operations involving hex fasteners
- Permanent magnet inserted into socket holds fasteners firmly for easy, one-hand driving, retrieving or removal
- Socket made to work with self-tapping screws
- Comfortable contoured handle provides adequate torque for one-hand driving



Description	Packed	Handle Color	Blade Diameter (inch)	Blade Diameter (mm)	Depth of Hole (inch)	Depth of Hole (mm)	Blade Length (inch)	Blade Length (mm)	Nutdriver Length (inch)	Nutdriver Length (mm)	Order No.
1/4 x 6" Magnetic Nutdriver	Boxed	Red	1/4	6.4	7 21/65	186.0	6	152.4	10 1/8	257.2	L8MN
5/16 x 3" Magnetic Nutdriver	Boxed	Amber	5/16	7.9	7 21/65	186.0	3	76.2	6 1/8	155.6	10MN
5/16 x 6" Magnetic Nutdriver	Carded	Amber	5/16	7.9	7 21/65	186.0	6	152.4	10 1/8	257.2	L10MVN



Mini Nutdrivers/Inch Sizes



- Convertible mini nutdrivers
Can be used with “piggyback” torque amplifier handle HTA2N



Description	Packed	Handle Color	Blade Diameter (inch)	Blade Diameter (mm)	Depth of Hole (inch)	Depth of Hole (mm)	Blade Length (inch)	Blade Length (mm)	Nutdriver Length (inch)	Nutdriver Length (mm)	Order No.
1/8" Mini Hex Nutdriver	Carded	Red	1/8	3.2	3/64	11.9	1 1/4	31.8	3 1/2	89.0	P4N
5/32" Mini Hex Nutdriver	Carded	Amber	5/32	4.0	10 19/32	26.9	1 1/4	31.8	3 1/2	89.0	P5N
3/16" Mini Hex Nutdriver	Carded	Black	3/16	4.8	10 19/32	26.9	1 1/4	31.8	3 1/2	89.0	P6N
1/4" Mini Hex Nutdriver	Carded	Red	1/4	6.4	10 19/32	26.9	1 1/4	31.8	3 1/2	89.0	P8N
5/16" Mini Hex Nutdriver	Carded	Amber	5/16	7.9	10 19/32	26.9	1 1/4	31.8	3 1/2	89.0	P10N



Classic Series Sets

Regular Style Screwdriver Set/ Round Blade/Slotted/5 Pieces



- Set consists of 5 round blade screwdrivers for slotted screws
- Blade made from AISI 6150 chrome vanadium steel
- Molded firm grip
- Convenient vinyl carrying pouch



Description	Packed	Shelf Pack	Contents	Order No.
5 Pieces Slotted Round Blade Screwdriver Set	Pouch	1	5 x Slotted round blade screwdrivers 1/8 x 2", 5/32 x 4", 3/16 x 6", 1/4 x 4", 5/16 x 6" (Find single products on page 30)	SDR11N

Screwdriver Set/Phillips® Type/5 Pieces



- Set contains of regular and stubby Phillips® type screwdrivers
- Blades made of AISI 6150 chrome vanadium steel, plated for protection
- Convenient vinyl carrying pouch



Description	Packed	Shelf Pack	Contents	Order No.
5 Pieces Phillips® Screwdriver Set	Pouch	1	4 x Phillips® screwdrivers #0, #1, #2, #3 (Find single products on page 22) 1 x Stubby Phillips® screwdriver #2 (Find single product on page 22)	SDX22N



Pocket-Clip Style Screwdriver Set/ 1 x Phillips® Type/2 x Slotted/3 Pieces



- Set contains pocket-clip style screwdrivers for slotted screws and for Phillips® recess head screws
- Blade made from AISI 6150 chrome vanadium steel
- Molded firm grip
- Convenient vinyl carrying pouch



Description	Packed	Shelf Pack	Contents	Order No.
3 Pieces Pocket-Clip Phillips® Screwdriver Set	Carded	1	1 x Phillips® pocket-clip style round blade screwdriver #0 (Find single product on page 23) 2 x Slotted pocket-clip style round blade screwdriver 1/8 x 2", 3/32 x 2" (Find single products on page 21)	SD3VN

Super-Tru Screwdriver Set/Phillips® Type/3 Pieces



- Super-tru tip for longer wear life and reduction of damage to screw head recesses, especially in smaller size fasteners
- Specially treated and finished tips with black oxide for ultimate control
- Bright, nickel chrome-plated blades
- Convenient vinyl carrying pouch



Description	Packed	Shelf Pack	Contents	Order No.
3 Pieces Super-Tru Phillips® Screwdriver Set	Pouch	1	3 x Super-tru Phillips® screwdrivers #0, #1, #2 (Find single products on page 24)	XST3N



Mini Screwdriver Set/Inch Sizes/7 Pieces



- Miniature version of compact convertible set for precise detailed work
- Mini-drivers consist of jeweler's type and Phillips® screwdriver blades molded in color-coded plastic handles
- Contains a black torque amplifier handle (7/8" x 3 1/16"/22.2mm x 77.8mm)
- Furnished in see-through plastic case
- Color-coded handles



Description	Packed	Shelf Pack	Contents	Order No.
Inch Sizes – 7 Pieces Mini Screwdriver Set	Pouch	6	1 x Mini Phillips® screwdriver with color-coded handles #00 5 x Mini slotted screwdrivers with color-coded handles 0.040", 0.055", 0.070", 0.080", 0.1" 1 x Mini black torque amplifier handle (7/8" x 3 1/16"/22.2 mm x 77.8 mm)	M60N

Convertible Mini Screwdriver Set/Inch Sizes/9 Pieces



- Handles more jobs with fewer tools, saves bench space and lightens service Set
- Equipped with remarkable black, "piggyback" torque amplifier handle
- Set housed in attractive, easy to open, clear plastic case
- Color-coded handles



Description	Packed	Shelf Pack	Contents	Order No.
Inch Sizes – 9 Pieces Convertible Mini Screwdriver Set	Boxed	3	3 x Mini Phillips® screwdrivers with color-coded handles #0, #1, #2 (Find single products on page 24) 5 x Mini slotted screwdrivers with color-coded handles 3/32 x 1", 1/8 x 1", 5/32 x 1", 3/16 x 1", 1/4 x 1" (Find single products on page 21) 1 x Black torque amplifier handle (Find single product on page 36)	PS88N

Convertible Mini Hex Screwdriver Set/ Inch & Metric Sizes /9 Pieces



- Handles more jobs with fewer tools, saves bench space and lightens service set
- Equipped with remarkable black, "piggyback" torque amplifier handle
- Inch-sized nutdrivers with red handles, metric-sized nutdrivers with black handles
- Set housed in attractive, easy to open, clear plastic case



Description	Packed	Shelf Pack	Contents	Order No.
Inch Sizes – 9 Pieces Convertible Mini Hex Screwdriver Set	Boxed	3	8 x Mini hex screwdrivers with red handles 0.028", 0.035", 0.050", 1/16", 5/64", 3/32", 7/64", 1/8" (Find single products on page 25) 1 x Black torque amplifier handle (Find single product on page 36)	PS89N
Metric Sizes – 9 Pieces Convertible Mini Hex Screwdriver Set	Boxed	3	8 x Mini hex screwdrivers with black handles 0.89 mm, 1.2 mm, 1.5 mm, 2.0 mm, 2.5 mm, 3.0 mm, 4.0 mm, 5.0 mm 1 x Black torque amplifier handle (Find single product on page 36)	PS90MMN

Convertible Mini Nutdriver Set/ Inch & Metric Sizes /11 Pieces



- Handles more jobs with fewer tools, saves bench space and lightens service Set
- Equipped with remarkable black, "piggyback" torque amplifier handle
- Set housed in attractive, easy to open, clear plastic case
- Inch-sized nutdrivers with color-coded handles, metric-sized nutdrivers with black handles



Description	Packed	Shelf Pack	Contents	Order No.
Inch Sizes – 11 Pieces Convertible Mini Nutdriver Set	Boxed	3	10 x Mini nutdrivers with color-coded handles 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8" (Find single products on page 29) 1 x Black torque amplifier handle (Find single product on page 36)	PS120N
Metric Sizes – 11 Pieces Convertible Mini Nutdriver Set	Boxed	3	10 x Mini nutdrivers with black handles 3 mm, 3.5 mm, 4 mm, 4.5 mm, 5 mm, 5.5 mm, 6 mm, 7 mm, 8 mm, 10 mm 1 x Black torque amplifier handle (Find single product on page 36)	PS121MMN



Convertible Mini Screw- & Nutdriver Set/ Inch Sizes/11 Pieces



- Handles more jobs with fewer tools, saves bench space and lightens service set
- Equipped with remarkable black, “piggyback” torque amplifier handle
- Set housed in attractive, easy to open, clear plastic case
- Color-coded handles



Description	Packed	Shelf Pack	Contents	Order No.
Inch Sizes – 11 Pieces Convertible Mini Screw- and Nutdriver Set	Boxed	3	2 x Mini Phillips® screwdrivers with color-coded handles #1, #2 (Find single products on page 24) 3 x Mini slotted screwdrivers with color-coded handles 1/8 x 1”, 3/16 x 1”, 1/4 x 1” 5 x Mini hex nutdrivers with color-coded handles 3/16” 1/4”, 5/16”, 11/32”, 3/8” (Find single products on page 29) 1 x Black torque amplifier handle (Find single products on page 36)	PS130N

“Keep & Carry” Nutdriver Set/ Inch & Metric Sizes/10 Pieces



- Contains assortment of commonly used nutdrivers
- Inch-sized nutdrivers with color-coded handles, metric-sized nutdrivers with black handles
- Sturdy yellow plastic case for inch sizes, sturdy red plastic case for metric sizes
- Keeps nutdrivers orderly on work bench and carries them on service calls



Description	Packed	Shelf Pack	Contents	Order No.
Inch Sizes – 10 Pieces Nutdriver Set – “Keep & Carry”	Boxed	1	10 x Hex nutdrivers with hollow shaft and color-coded handles 3/16”, 7/32”, 1/4”, 9/32”, 5/16”, 11/32”, 3/8”, 7/16”, 1/2”, 9/16” (Find single products on page 26)	HS618N
Metric Sizes – 10 Pieces Nutdriver Set – “Keep & Carry”	Boxed	1	10 x Nutdrivers with 31.35 mm depth shaft holes and black handles 4 mm, 4.5 mm, 5 mm, 5.5 mm, 6 mm, 7 mm, 8 mm, 10 mm, 11 mm, 13 mm (Find single products on pages 27 and 28)	413MMN

Offset Ratchet Screwdriver/ with Driver Bits/5 Pieces



- Simple and easy-to-use for assembly, disassembly, adjustment and repair work involving Phillips® and slotted screws
- Offset ratched provides greater access for applications with limited space
- Driver bits made from black oxide coated steel which provides added strength and durability
- Driver bits designed with 1/4" hex shank



Description	Packed	Shelf Pack	Contents	Order No.
5 Pieces Offset Ratchet Screwdriver Set	Pouch	1	2 x Slotted driver bits 3/16", 1/4" 2 x Phillips® driver bits #1, #2 1 x Offset ratchet	XL75VN

Offset Ratchet Screwdriver Set/ with Screwdriver and Driver Bits/19 Pieces



- Simple and easy-to-use for assembly, disassembly, adjustment and repair work involving Allen® hex, Phillips® and slotted screws
- 19 piece midget, offset, reversible ratchet set
- All-purpose driver bits 1/4"/6.4 mm hex shank



Description	Packed	Shelf Pack	Contents	Order No.
19 Pieces Offset Ratchet Screwdriver Set	Boxed	1	12 x Hex driver bits 0.50", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16" 2 x Phillips® driver bits #1, #2 2 x Slotted driver bits 1/4", 3/16" 1 x Adapter 1/4" hex - 1/4" square 1 x Magnetic nutdriver 1/4" 1 x Offset ratchet	XL70N



Classic Series Handles

Torque Amplifier Handle

- For use with mini screw- and nutdrivers
- Provides larger gripping surface and extended reach
- Increases driving power



Description	Packed	Shelf Pack	Handle Color	Handle Dimensions (inch)	Handle Dimensions (mm)	Order No.
Torque amplifier handle	Boxed	3	Black	7/8 x 3 1/16	22.2 x 77.8	HTA2N

No. 25 Handle

- Regular handle
- Use with reversible blades
- Color of handle: Amber



Description	Packed	Shelf Pack	Handle Color	Handle Dimensions (inch)	Handle Dimensions (mm)	Order No.
No. 25 Handle	Boxed	6	Amber	1 1/8 x 4 1/8	28.6 x 104.8	T25N





Classic Series Screwdrivers with Reversible Blades

No. 25 Handle & RB2 Blade



- Very practical
- Interchangeable, reversible blade converts in seconds to 1/4" slotted tip or to #2 Phillips® tip
- Regular handle



Description	Packed	Shelf Pack	Contents	Order No.
No. 25 Handle & RB2 Blade	Carded	6	1 x Regular handle (Find single product on page 36) 1 x Reversible blade Phillips® #2 and slotted 1/4"	TCR2N

4-Way Pocket Screwdriver



- Extremely versatile time-saver
- Reversible blade fits slotted 3/16" or Phillips® #1 head screws
- Double-ended handle serves as 2 sizes of nutdrivers (7/16" and 1/4")



Description	Packed	Shelf Pack	Contents	Order No.
4-Way Pocket Screwdriver	Carded	6	1 x Double-ended handle with 7/16" and 1/4" nutdrivers 1 x Reversible blade Phillips® #1 and slotted 3/16"	600VN



Four-In-One Screwdriver



- Extra handy
- Blade also interchangeable with two-in-one stubby screwdriver
- Self-storing standard shaft
- Converts in seconds to 4 most often needed tips: 3/16" and 1/4" slotted tips and #1 and #2 Phillips® tips



Description	Packed	Shelf Pack	Contents	Order No.
Four-In-One Screwdriver	Carded	6	1 x Handle 1 x Interchangeable blade with 2 reversible tips – one with slotted tips 3/16" and 1/4", one with Phillips® tips #1 and #2	FSD1N

Two-In-One Stubby Screwdriver



- Very handy
- Blade also interchangeable with four-in-one screwdriver
- Interchangeable blade converts in seconds to 3/16" slotted tip or to #1 Phillips® tip
- Stubby handle



Description	Packed	Shelf Pack	Contents	Order No.
Two-In-One Stubby Screwdriver	Carded	6	1 x Stubby handle 1 x Reversible blade Phillips® #1 and slotted 3/16"	TSD1VN



6.3 Series 99® Screwdrivers & Nutdrivers


Maximum Flexibility Thanks to Interchangeable Blades, Shafts and Handles

The Series 99® provides unmatched versatility with its modular design, featuring interchangeable blades, shanks, and handles. This allows professionals to tailor their tool kit to their specific requirements, ensuring it evolves alongside their needs. The tools are engineered for maximum adaptability and streamlined efficiency, empowering users to curate an ideal set for any given job.

For those looking to enhance their current tool set or those starting anew, the Series 99® presents an economical and flexible option.

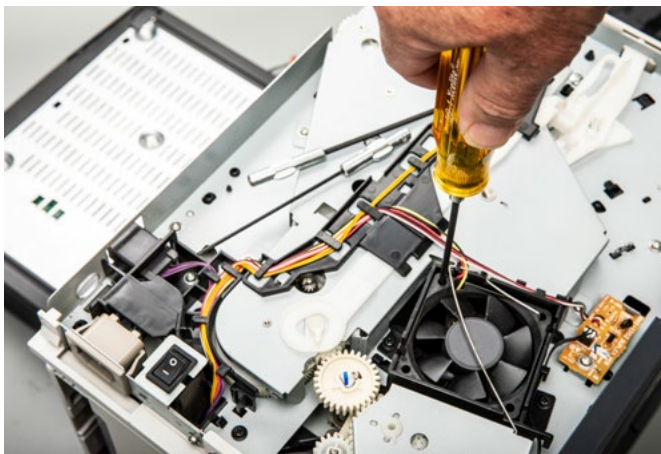
It's a smart investment for professionals seeking a comprehensive and customizable solution.

 **Patented
Xcelite design**

 **Interchangeable blades,
shanks, and handles**

 **Large variety of heads
and sizes available**





Series 99® Handles

Standard & Ratcheting Handles

Standard Handles

- Easy to operate
- Use with Series 99® blades

991VN



Ratcheting Handles

- Easy to operate – permits extremely simple 1-hand operation, even in tight quarters
- Use with Series 99® blades
- Smooth precise action
- Left-right-neutral marking indicator
- Light ratcheting drag facilitates turning and prevents fasteners from reversing

991RN



Description		Packed	Handle Color	Handle Dimensions (inch)	Handle Dimensions (mm)	Shelf Pack	Order No.
Standard Handles	Regular Handle	Boxed	Amber	13/16 x 4	20.6 x 101.6	6	991N / 991BKN
	Regular Handle	Carded	Amber	13/16 x 4	20.6 x 101.6	6	991VN
	Junior Handle	Boxed	Amber	11/16 x 3 1/8	17.5 x 79.4	6	992N
	Stubby Handle	Boxed	Amber	13/16 x 2	20.6 x 50.8	6	T993N
	Tee Handle	Boxed	Black	3 1/2 x 1 5/8	88.9 x 41.3	6	994N
Ratcheting Handles	Ratcheting Regular Handle	Boxed	Black	1 x 7	25.4 x 177.8	6	991RN
	Ratcheting Tee Handle	Boxed	Black	3 1/2 x 2 1/2	89.9 x 63.5	6	994RN / 994BKN



Series 99® Nutdriver Blades

Nutdriver Blades/Inch & Metric Sizes



- High-quality steel blades for optimal performance
- Compatible with all Series 99® handles



Description		Packed	Diameter (inch)	Diameter (mm)	Approximate Working Length (inch)	Approximate Working Length (mm)	Shelf Pack	Order No.
Inch Sizes	3/16" Hex Nutdriver Blade	Boxed	3/16	–	3 5/8	92.0	6	996N / 996BKN
	7/32" Hex Nutdriver Blade	Boxed	7/32	–	3 5/8	92.0	6	997N / 997BKN
	1/4" Hex Nutdriver Blade	Boxed	1/4	–	3 5/8	92.0	6	998N / 998BKN
	9/32" Hex Nutdriver Blade	Boxed	9/32	–	3 5/8	92.0	6	T999N / 999BKN
	5/16" Hex Nutdriver Blade	Boxed	5/16	–	3 5/8	92.0	6	T9910N / 9910BKN
	11/32" Hex Nutdriver Blade	Boxed	11/32	–	3 5/8	92.0	6	T9911N / 9911BKN
	3/8" Hex Nutdriver Blade	Boxed	3/8	–	3 5/8	92.0	6	9912N / 9912BKN
	7/16" Hex Nutdriver Blade	Boxed	7/16	–	4	101.6	6	T9914N / 9914BKN
	1/2" Hex Nutdriver Blade	Boxed	1/2	–	4	101.6	6	9916N / 9916BKN
Metric Sizes	4 mm Hex Nutdriver Blade	Boxed	–	4	3 5/8	92.0	6	994MMN
	4.5 mm Hex Nutdriver Blade	Boxed	–	4.5	3 5/8	92.0	6	9945MMN
	5 mm Hex Nutdriver Blade	Boxed	–	5	3 5/8	92.0	6	995MMN / 995MMBKN
	5.5 mm Hex Nutdriver Blade	Boxed	–	5.5	3 5/8	92.0	6	9955MMN
	6 mm Hex Nutdriver Blade	Boxed	–	6	3 5/8	92.0	6	996MMN
	7 mm Hex Nutdriver Blade	Boxed	–	7	3 5/8	92.0	6	997MMN
	8 mm Hex Nutdriver Blade	Boxed	–	8	3 5/8	92.0	6	998MMN
	9 mm Hex Nutdriver Blade	Boxed	–	9	3 5/8	92.0	6	999MMN / 999MMBKN
	10 mm Hex Nutdriver Blade	Boxed	–	10	4	101.6	6	9910MMN / 9910MMBKN
	11 mm Hex Nutdriver Blade	Boxed	–	11	4	101.6	6	9911MMN



Series 99® Screwdriver Blades

Screwdriver Blades/Slotted



- High-quality steel blades for optimal performance
- Compatible with all Series 99® handles

99125N



Description	Packed	Diameter (inch)	Diameter (mm)	Approximate Working Length (inch)	Approximate Working Length (mm)	Shelf Pack	Order No.
1/8" Slotted Blade	Boxed	1/8	3.2	4	101.6	6	99125N / 99125BKN
3/16" Slotted Blade	Boxed	3/16	4.8	4	101.6	6	99811N / 99811BKN
1/4" Slotted Blade	Boxed	1/4	6.4	4	101.6	6	99250N / 99250BKN
5/16" Slotted Blade	Boxed	5/16	7.9	4	101.6	6	99312N

Screwdriver Blades/Phillips® Type



- High-quality steel blades for optimal performance
- Compatible with all Series 99® handles

9920N



Description	Packed	Point Size	Approximate Working Length (inch)	Approximate Working Length (mm)	Shelf Pack	Order No.
#0 Phillips® Blade	Boxed	0	4	101.6	6	99820N / 99820BKN
#1 Phillips® Blade	Boxed	1	4	101.6	6	99821N / 99821BKN
#2 Phillips® Blade	Boxed	2	4	101.6	6	99822N / 99822BKN



Screwdriver Blades / Allen® Hex Socket Type / Inch & Metric Sizes



- High-quality steel blades for optimal performance
- Compatible with all Series 99® handles



Description		Packed	Diameter (inch)	Diameter (mm)	Approximate Working Length (inch)	Approximate Working Length (mm)	Shelf Pack	Order No.
Inch Sizes	1/20" Allen® Hex Blade	Boxed	1/20	-	4	101.6	6	9920N
	1/16" Allen® Hex Blade	Boxed	1/16	-	4	101.6	6	9921N
	5/64" Allen® Hex Blade	Boxed	5/64	-	4	101.6	6	9922N / 9922BKN
	3/32" Allen® Hex Blade	Boxed	3/32	-	4	101.6	6	9923N
	1/8" Allen® Hex Blade	Boxed	1/8	-	4	101.6	6	9924N / 9924BKN
	5/32" Allen® Hex Blade	Boxed	5/32	-	4	101.6	6	9925N / 9925BKN
	3/16" Allen® Hex Blade	Boxed	3/16	-	4	101.6	6	9926N
	7/64" Allen® Hex Blade	Boxed	7/64	-	4	101.6	6	99764N
	9/64" Allen® Hex Blade	Boxed	9/64	-	4	101.6	6	T99964N
Metric Sizes	1.27 mm Allen® Hex Blade	Boxed	-	1.27	4	101.6	6	9971MMN
	1.5 mm Allen® Hex Blade	Boxed	-	1.5	4	101.6	6	9972MMN
	2 mm Allen® Hex Blade	Boxed	-	2.0	4	101.6	6	9973MMN
	2.5 mm Allen® Hex Blade	Boxed	-	2.5	4	101.6	6	9974MMN
	3 mm Allen® Hex Blade	Boxed	-	3.0	4	101.6	6	9975MMN
	4 mm Allen® Hex Blade	Boxed	-	4.0	4	101.6	6	9976MMN



Ballpoint Screwdriver Blades/ Allen® Hex Socket Type/Inch Sizes



- Unique ballpoint tip ideal for tightening and removing allen socket screws in hard to reach spots
- High-quality steel blades for optimal performance
- Compatible with all Series 99® handles

9920BPN

Description	Packed	Diameter (inch)	Diameter (mm)	Approximate Working Length (inch)	Approximate Working Length (mm)	Shelf Pack	Order No.
1/20" Allen® Hex Ballpoint Blade	Boxed	1/20	-	4	101.6	6	9920BPN
1/16" Allen® Hex Ballpoint Blade	Boxed	1/16	-	4	101.6	6	9921BPN
5/64" Allen® Hex Ballpoint Blade	Boxed	5/64	-	4	101.6	6	9922BPN
3/32" Allen® Hex Ballpoint Blade	Boxed	3/32	-	4	101.6	6	9923BPN
7/64" Allen® Hex Ballpoint Blade	Boxed	7/64	-	4	101.6	6	99764BPN
1/8" Allen® Hex Ballpoint Blade	Boxed	1/8	-	4	101.6	6	9924BPN
9/64" Allen® Hex Ballpoint Blade	Boxed	9/64	-	4	101.6	6	99964BPN
5/32" Allen® Hex Ballpoint Blade	Boxed	5/32	-	4	101.6	6	9925BPN
3/16" Allen® Hex Ballpoint Blade	Boxed	3/16	-	4	101.6	6	9926BPN

Screwdriver Blades/ Bristol Multiple Spline Type/Inch Sizes



- High-quality steel blades for optimal performance
- Compatible with all Series 99® handles

9961N

Description	Packed	Detail	Diameter (inch)	Diameter (mm)	Approximate Working Length (inch)	Approximate Working Length (mm)	Shelf Pack	Order No.
.048" Bristol Multi-Spline Blade	Boxed	6-flute	0.048	1.2	4	101.6	6	9961N
.060" Bristol Multi-Spline Blade	Boxed	6-flute	0.060	1.5	4	101.6	6	9962N
.069" Bristol Multi-Spline Blade	Boxed	4-flute	0.069	1.8	4	101.6	6	9963N
.072" Bristol Multi-Spline Blade	Boxed	6-flute	0.072	1.8	4	101.6	6	9964N
.076" Bristol Multi-Spline Blade (BULK only)	Boxed	4-flute	0.076	1.9	4	101.6	6	T9965BKN
.096" Bristol Multi-Spline Blade	Boxed	6-flute	0.096	2.4	4	101.6	6	9966N



Screwdriver Blades/Torx® Type



- High-quality steel blades for optimal performance
- Compatible with all Series 99® handles

9910XTDN

Description	Packed	Point Seize	Approximate Working Length (inch)	Approximate Working Length (mm)	Shelf Pack	Order No.
T6 Torx® Blade	Boxed	T6	4	101.6	6	996XTDN
T8 Torx® Blade	Boxed	T8	4	101.6	6	998XTDN
T10 Torx® Blade	Boxed	T10	4	101.6	6	9910XTDN
T15 Torx® Blade	Boxed	T15	4	101.6	6	9915XTDN
T20 Torx® Blade	Boxed	T20	4	101.6	6	9920XTDN
T25 Torx® Blade	Boxed	T25	4	101.6	6	9925XTDN



Series 99® Service Sets

Series 99® Service Sets made primarily of various screwdrivers, nutdrivers and other blades that can be used interchangeably with Series 99® handles. All blades are high-quality steel, hardened and tempered for optimum performance. Plastic handles have patented spring device that holds blades firmly, yet permits quick, easy insertion and removal. Regular handles accommodate all blades, single and reversible. Stubby, tee, and ratchet handles used only with single-end blades.

Service Master Roll Set/23 Pieces



- Versatile 23 pieces set of quality tools
- Provides a variety pieces of quick change tools and tool combinations to speed up assembly and service work
- Available in a durable, roll-up plastic coated canvas case for easy selection and storage
- Canvas case can be ordered separately (99SMKN)



Description	Packed	Shelf Pack	Contents	Order No.
23 Pieces Service Master Roll Set	Boxed	1	1 x Canvas case 1 x Gripping & looping pliers with cutter with serrated jaws (Find single product on page 93) 1 x Oval head diagonal cutter (Find single product on page 76) 1 x Adjustable wrench 8" 1 x Regular handle (Find single product on page 42) 1 x Stubby handle (Find single product on page 42) 9 x Hex nutdriver blades 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2" (Find single products on page 43) 3 x Stubby nutdriver blades 1/4", 5/6", 3/8" 2 x Phillips® blades #1, #2 (Find single products on page 44) 2 x Slotted blades 3/16", 1/4" (Find single products on page 44) 1 x Reamer 1/8 x 3/8" (Find single product on page 55) 1 x Extension 7" (Find single product on page 54)	99SMN
Canvas Case	Boxed	1	1 x Durable, roll-up plastic coated canvas case (no tools included)	99SMKN

Multi-Purpose Screw- & Nutdriver Roll Set/14 Pieces



- Contains 14 of the most popular Series 99® tools
- Available in a durable, roll-up plastic coated canvas case for easy selection and storage
- Canvas case can be ordered separately (T99KN)



Description	Packed	Shelf Pack	Contents	Order No.
14 Pieces Multi-Purpose Screw- and Nutdriver Roll Set	Boxed	1	1 x Canvas case 1 x Regular handle (Find single product on page 42) 9 x Hex nutdriver blades 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2" (Find single products on page 43) 2 x Phillips® blades #1, #2 (Find single products on page 44) 2 x Slotted blades 3/16", 1/4" (Find single products on page 44)	99PRN
Canvas Case	Boxed	1	1 x Durable, roll-up plastic coated canvas case (no tools included)	T99KN

Screw- & Nutdriver Set with Power Bit Adapter/12 Pieces



- Series 99® screwdriver and nutdriver set designed for use with power tools
- Contains 11 of the most popular nut- and screwdriver sizes as well as a power tool adapter
- Convenient carrying pouch



Description	Packed	Shelf Pack	Contents	Order No.
12 Pieces Screwdriver and Nutdriver Set with Power Bit Adapter	Boxed	6	1 x Power bit adapter (Find single product on page 54) 7 x Stubby style nutdriver blades 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8" 2 x Phillips® blades #1, #2 (Find single products on page 44) 2 x Slotted blades 3/16", 1/4" (Find single products on page 44)	99PA50N



Multi-Purpose Screw- & Nutdriver Roll Set/39 Pieces



- Contains 39 of the most popular Series 99® tools
- Available in a durable, roll-up plastic coated canvas case for easy selection and storage
- Two extra pockets permit addition of pliers, snips or other tools
- Canvas case can be ordered separately (99MPKN)



Description	Packed	Shelf Pack	Contents	Order No.
39 Pieces Multi-Purpose Screw- and Nutdriver Roll Set	Boxed	1	1 x Canvas case 1 x Regular handle (Find single product on page 42) 1 x Tee handle (Find single product on page 43) 1 x Metric-sized hex nutdriver blades 8 mm (Find single product on page 43) 9 x Inch-sized hex nutdriver blades 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2" (Find single product on page 43) 9 x Allen® hex blades 1/20", 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 7/64", 9/64" (Find single products on page 45) 9 x Bristol multi-spline blades 0.048", 0.060", 0.069", 0.072", 0.076", 0.096", 0.111", 0.145", 0.183" (Find single products on page 46) 3 x Phillips® blades #0, #1, #2 (Find single products on page 44) 4 x Slotted blades 1/8", 3/16", 1/4", 5/16" (Find single products on page 44) 1 x Reamer 1/8 x 3/8" (Find single product on page 55) 1 x Extension 4" (Find single product on page 54)	99MPN
Canvas Case	Boxed	1	1 x Durable, roll-up plastic coated canvas case (no tools included)	99MPKN

Series 99® Compact Sets

Screw- & Nutdriver Set/ Inch Sizes 13 Pieces/Metric Sizes 12 Pieces



- Compact interchangeable blades, extension and handle
- Convenient see-through plastic case



Description	Packed	Shelf Pack	Contents	Order No.
Inch Sizes – 13 Pieces Screwdriver and Nutdriver Set	Boxed	3	7 x Hex nutdriver blades 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8" (Find single products on page 43) 2 x Slotted blades 3/16", 1/4" (Find single products on page 44) 2 x Phillips® blades #1, #2 (Find single products on page 44) 1 x Regular handle (Find single product on page 42) 1 x Extension 4" (Find single product on page 54)	99PS50N
Metric Sizes – 12 Pieces Screwdriver and Nutdriver Set	Boxed	3	10 x Hex nutdriver blades 4 mm, 4.5mm, 5 mm, 5.5 mm, 6 mm, 7 mm, 8 mm, 9 mm, 10 mm, 11 mm (Find single products on page 43) 1 x Regular handle (Find single products on page 42) 1 x Extension 4" (Find single products on page 54)	99PS51MMN

Screwdriver Set/Allen® Hex Socket Type/ Inch Sizes 11 Pieces/Metric Sizes 9 Pieces



- Compact interchangeable blades, extension and handle
- Convenient see-through plastic case



Description	Packed	Shelf Pack	Contents	Order No.
Inch Sizes – 11 Pieces Allen® Hex Socket Type Screwdriver Set	Boxed	3	9 x Allen® hex blades 1/20", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16" (Find single products on page 45) 1 x Regular handle (Find single product on page 42) 1 x Extension 4" (Find single product on page 54)	99PS40N
Metric Sizes – 9 Pieces Allen® Hex Socket Type Screwdriver Set	Boxed	3	7 x Allen® hex blades 1.27 mm, 1.5 mm, 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm (Find single products on page 45) 1 x Regular handle (Find single product on page 42) 1 x Extension 4" (Find single product on page 54)	99PS41MMN

Screwdriver Blade Set/Torx® Type / 7 Pieces



- Compact interchangeable blades and handle
- Convenient carrying case



Description	Packed	Shelf Pack	Contents	Order No.
7 Pieces Torx® Screwdriver Blade Set	Boxed	6	6 x Torx® blades T10, T15, T20, T25, T27, T30 (Find single products on page 47) 1 x Regular handle (Find single product on page 42)	99XTD7N



Ballpoint Screwdriver Set/Allen® Hex Socket Type/ Inch Sizes 11 Pieces/Metric Sizes 9 Pieces



- Unique “ballpoint” tip ideal for tightening and removing Allen® socket screws in hard to reach spots
- Compact interchangeable blades, extension and handle
- Convenient see-through plastic case



Description	Packed	Shelf Pack	Contents	Order No.
Inch Sizes – 11 Pieces Ballpoint Allen® Hex Socket Type Screwdriver Set	Boxed	3	9 x Allen® hex ballpoint blades 1/20", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16" (Find single products on page 46) 1 x Regular handle (Find single product on page 42) 1 x Extension 4" (Find single product on page 54)	99PS40BPN
Metric Sizes – 9 Pieces Ballpoint Allen® Hex Socket Type Screwdriver Set	Boxed	3	7 x Allen® hex ballpoint blades 1.27 mm, 1.5 mm, 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm 1 x Regular handle (Find single product on page 42) 1 x Extension 4" (Find single product on page 54)	99PS41MMBPN

Screwdriver Set/Bristol Multiple-Spline Socket Type/ Inch Sizes/11 Pieces



- Compact interchangeable blades, extension and handle
- Convenient see-through plastic case



Description	Packed	Shelf Pack	Contents	Order No.
Inch Sizes – 11 Pieces Bristol Multiple-Spline Socket Type Screwdriver Set	Boxed	3	9 x Bristol multiple-spline blades 0.048", 0.060", 0.069", 0.072", 0.076", 0.096", 0.111", 0.145", 0.183" (Find single products on page 46) 1 x Extension 4" (Find single products on page 54) 1 x Regular handle (Find single products on page 42)	99PS60N



Series 99® Extensions, Reamer & Adapter

4” & 7” Extension

- High-quality steel blades for optimal performance
- Compatible with all Series 99® Handles



Description	Packed	Approximate Working Length (inch)	Approximate Working Length (mm)	Shelf Pack	Order No.
4” Extension	Boxed	4	101.6	6	99X5N / 99X5BKN
7” Extension	Boxed	7	177.8	6	99X10N / 99X10BKN

Power Bit Adapter

- For use with Series 99® blades
- Fits all power tools with 1/4” hex chuck



Description	Packed	Shelf Pack	Order No.
Power Bit Adapter for Series 99®	Boxed	6	99PAN



Reamer

- Easily interchangeable reamer stays firmly in place
- Made from high-quality steel, hardened and tempered for optimum performance
- Compatible with all Series 99® handles



Description	Packed	Diameter (inch)	Diameter (mm)	Approximate Working Length (inch)	Approximate Working Length (mm)	Shelf Pack	Order No.
1/8 x 3/8" Reamer	Boxed	1/8 x 3/8	3.2 x 9.5	4	101.6	6	9938N



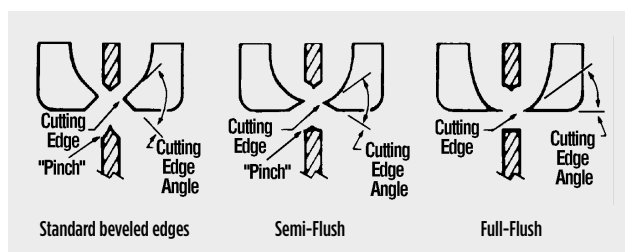
Electronic Assembly Tools

Cutter Selection Information

When selecting electronic cutters, you should attempt to minimize your cost per cut by selecting the proper tool for each application. The type of cut, cutting area access, cutting edge quality and user preference will influence your choice.

Type of Cut

Cutters are available with cutting edge angles that produce semi-flush and flush cuts. These terms refer to the amount of "pinch" left on the tip of a wire after it has been cut.



Standard beveled edges should be used for applications that are not sensitive to either the amount of shock transmitted through the wire to the component (during cutting) or to the amount of "pinch" left on the wire tip (after cutting).

Semi-Flush edges can be employed for most applications. They reduce shock transmittal and wire tip "pinch." Flush edges should be selected only for delicate applications, which require minimal shock transmittal and wire tip "pinch."

Full-Flush cutters produce a clean cut, which facilitates soldering and increases connection reliability. With small cutting edge angles, the life of flush cutters is substantially less than that of semi-flush cutters. The larger the cutting edge angle, the more cuts you can expect from the tool. For electronic assembly work, the semi-flush cutter is often the most cost effective choice.

Cutting Area Access

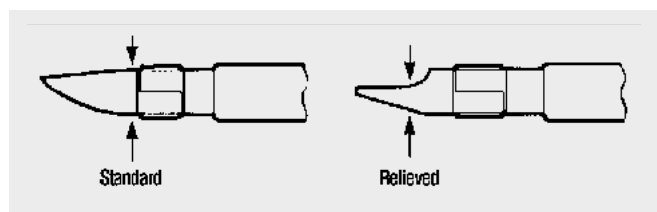
Access to cutting areas can determine the shape and thickness of the cutting head. Tight clearances around the cutting area, the need to reach over in-place components or to work from directly above, and visibility requirements are all factors which will affect your choice of a tool. However, it is important to recognize that head shape and thickness are directly related to cutting edge life.



Head Shape

Always select a cutter with the largest head that will meet your particular cutting requirements. It is a proven fact that more material behind the cutting edges gives more cuts and longer life.

Oval head cutters are the most versatile. They have the most material behind the cutting edges, and last longest. Tapered and angled head cutters should be selected only when access to the cutting area is limited. These cutters have less head mass, and provide proportionally fewer cuts.

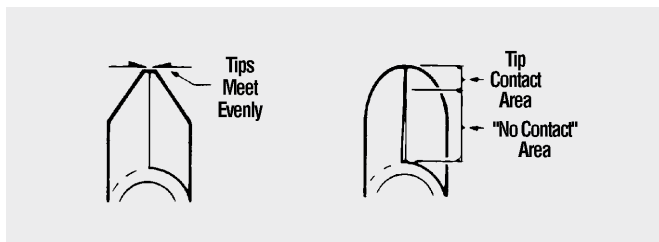


Head Thickness

Head thickness is related to cutting life in the same way as head shape. Cutters with thicker heads also last longer. Whenever possible, use cutters with standard head thickness. Relieved head designs should be chosen only to accommodate difficult access problems.

Cutting Edge Quality

The quality of a pair of cutters can be determined by visual inspection. The blades should meet smoothly and evenly at the tips. From a point just behind the tips to the joint, an increasing amount of light should be visible. A precision tip interface assures clean cutting of fine wires, while the “no contact” area behind the tips extends cutter life by allowing the tips to continue to meet as they wear.

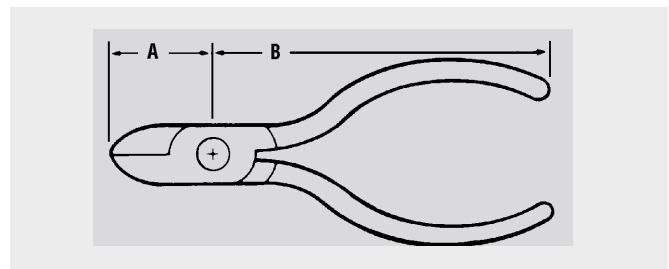


User Preference

Other considerations can be a matter of personal preference. Handle shape, grip color, grip material, spring tension and leverage ratio are usually related to user comfort. Proper spring tension will allow cutters to open and close with minimum effort. Finally, cutters with high leverage ratios provide the greatest ease of use and the longest life.

Leverage Ratio

Leverage ratio is obtained by dividing dimension A into dimension B.





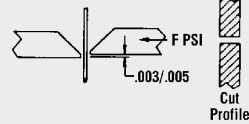
Micro Series Cutters & Pliers

Superior Quality & Value

- Xcelite's shear cutter full-flush cutting tools require less than half the operator force of most wire and lead cutting tools and transmit proportionately less shock to the component
- As a result, they comply with MIL-STD-2000, DODSTD-2000 and WS-6536E standards
- Grips are molded of wide, shock absorbing material for operator comfort
- Models 175 and 2178 incorporate safety clips which effectively eliminate flying leads
- However, safety glasses are still recommended when using these tools

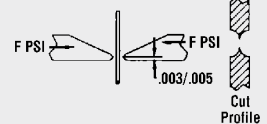
In shearcutting, one edge acts as an anvil while the other edge shears off the lead.

Shear Cut



Total Operator Force = Less Than 1/2 F

Crush Cut



Total Operator Force = F



ESD-Safe Cushion Grips
for maximum comfort
(standard on all models)

Shear cutter
Order No.
170MVN/175MVN



Heavy-Duty
Shear cutter
Order No.
1178MVN/2178MVN



Plier
Order No. 378MVN





Pro Series Cutters & Pliers

Quality and Dependability

- Lightweight, cutters and pliers line
- Versatile selection of diagonal, angular, tip and end cutters plus wiring and assembly tools
- Choice of oval, tapered, relieved and angled head designs for general or confined area cutting
- Full-flush or semi-flush cutting edges machine ground and electronically hardened for extended life in cutting either hard or soft wires
- Needle nose styles include long, short, curved, flat and round to handle most forming, looping, twisting, insertion and pickup jobs
- Steel joint maintains perfect cutting edge and tip alignment to maximize operational consistency and tool life
- Handle coil springs, allow faster cutting action with reduced user fatigue
- Forged from high quality alloy steel for maximum strength and durability
- Precision ground to close tolerances, individually finished and tested to ensure exact fit of jaws
- Polished heads with gun metal handles
- “Accu-lite” grips also available on many models



**ESD-Safe
Cushion Grips**



Diagonal Cutters
Order No. S475JSNN

Accu-Lite Grips

Meet the Optimum Criteria for Hand Tools

- Lightweight construction
- Extended handle length allows even application of force from all four fingers
- Exclusive, smooth, soft foam cushion grips are free of abrupt edges and finger indentations
- Grip material is non-slip and compressible to allow positive gripping and to absorb mechanical shock
- Handle contours adaptable for either right- or left-hand use



**ESD-Safe
Cushion Grips**



Accu-Lite Grips















Diagonal Cutters
Order No. EMS543JN















Micro Series and Pro Series Cutters

Cutting Capability Guide

Micro Series Cutters									
Cutters									
	General Purpose Shear cutter	Heavy Duty Shear cutter	Hard Wire Shear cutter / Piano and Music	Oval Head Diagonal Cutter	Tapered Head Diagonal Cutter	Relieved Tapered Head Diagonal Cutter	Relieved Tapered Head Diagonal Cutter / Accu-Lite Grips	Slim Line Tapered Head Diagonal Cutter	Relieved Head Diagonal Cutter
Order No.	170MVN/ 175MVN	1178MVN/ 2178MVN	134CG	MS54JN	MS549JVN	MS543JVN	EMS543JN	MS545VN	S424JSNN
Page No.	58	59	59	64	64	65	65	66	66
Type of Cut	 Full-Flush Edge	✓	✓	✓	✓	✓	✓		✓
	 Semi-Flush Edge							✓	
	 Standard Beveled Edges								
Cutting Capability	36 Ga. (.005") Teflon Coated Copper Wire								
	25 Ga. (.017") Soft Copper Wire	✓	✓		✓		✓		✓
	22 Ga. (.025") Soft Copper Wire	✓	✓		✓	✓	✓		✓
	20 Ga. (.034") *60,000 PSI Steel Wire	✓	✓		✓	✓	✓		✓
	20 Ga. (.034") *120,000 PSI Steel Wire							✓	
	16 Ga. (.062") Piano Wire			✓					




**Pro Series Cutters**

											
Tapered Head Diagonal Cutter	Tapered Relieved Head Diagonal Cutter	Diagonal Lead Cutter / Standard Beveled Edges	30° Angled Tip Cutter	Diagonal Oval Head Cutter	All-Purpose Oval Head Cutter / Standard Beveled Edges	Transverse End Cutter	Oval Head Diagonal Cutter / Standard Beveled Edges	Oval Head Diagonal Cutter / Standard Beveled Edges / with Spring	Oval Head Diagonal Lead Cutter / with Spring	Oval Head Diagonal Cutter	Slim Line Tapered Head Diagonal Cutter
S475JSNN	S1415JSNN	S54SNN	LC665JN	S4CGVN	66CGNN	EC54JN	S5CGNN	S55SNN	S55KSNN	MS54VN	MS545JVN
67	67	68	68	69	69	70	70	71	71	72	72
✓	✓		✓			✓					✓
				✓					✓	✓	
		✓			✓		✓	✓			
								✓			
	✓		✓	✓		✓					
✓	✓		✓	✓		✓				✓	✓
	✓		✓	✓		✓			✓	✓	✓
		✓			✓		✓	✓			

6.4 Micro Series Cutters & Pliers

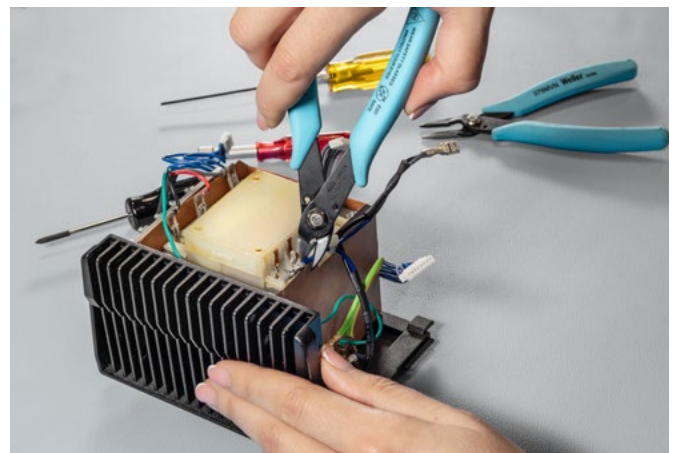
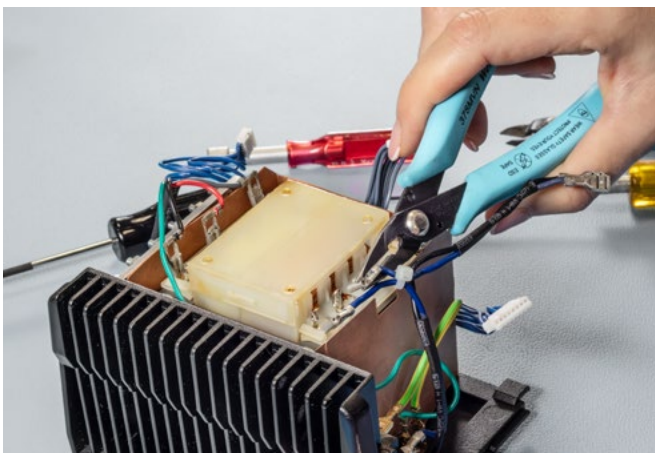
Micro Series Cutters & Pliers are precision-engineered for electronics assembly, providing the utmost in comfort with their ESD-safe cushioned grips. The blades, forged from high-quality carbon steel, offer exceptional sharpness and durability. Their sleek, non-glare black finish enhances usability, while the tools' lightweight nature allows for prolonged use without strain.

For professionals who demand reliable precision in a compact package, Micro Series Cutters & Pliers are the definitive choice.

-  **Non-glare black finish**
-  **High-quality carbon steel**
-  **Lightweight construction**



ESD-Safe
All Xcelite Micro Series
Cutters & Pliers are
ESD-safe







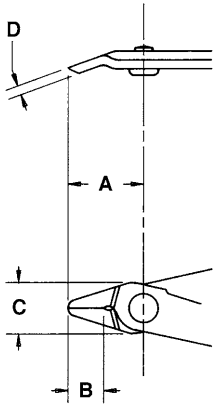
Micro Series Cutters



General Purpose Shear cutter



5 inch / 127.0 mm

- Low profile
- Superior blade by-pass shear cutting action
- Better cuts with lower effort
- Full-flush cuts soft wire up to 20 AWG (0.8 mm)
- Optionally with safety clip (175MVN)
- Highest quality carbon steel
- Non-glare black finish
- Lightweight construction
- ESD-safe



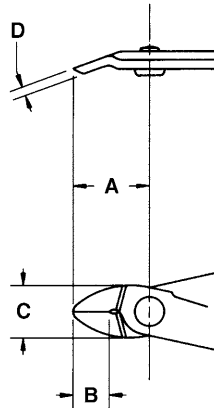
Type of Cut	Special Feature	A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	D (inch)	D (mm)	Shelf Pack	Maximum Cutting Capability	Order No.
 Full-flush	–	3/4	19.1	11/32	8.7	1/2	12.7	5/64	2.0	6	Soft wire up to 20 AWG (0.8 mm)	170MVN / 170MVNBK
 Full-flush	with safety clip	3/4	19.1	11/32	8.7	1/2	12.7	5/64	2.0	6	Soft wire up to 20 AWG (0.8 mm)	175MVN

Heavy Duty Shear cutter

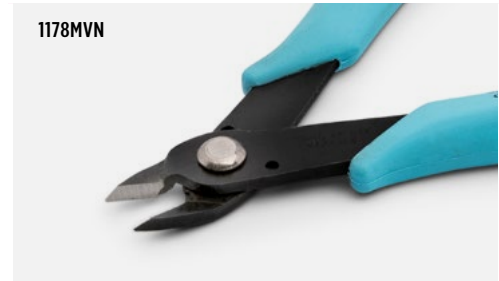


5 7/8 inch / 142.9 mm

- Heavy duty for IC pins, cables and harnesses
- Maximum durability
- Flush cuts soft wire up to 14 AWG (1.6 mm)
- Optionally with safety clip (2178MVN)
- Highest quality carbon steel
- Non-glare black finish
- Lightweight construction
- ESD-safe



1178MVN



2178MVN



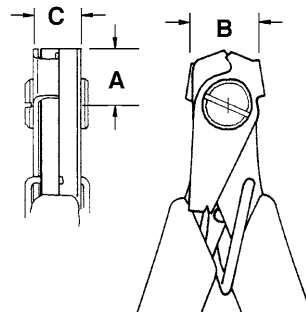
Type of Cut	Special Feature	A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	D (inch)	D (mm)	Shelf Pack	Maximum Cutting Capability	Order No.
Full-flush	–	29/32	23.0	13/32	10.3	17/32	13.5	1/8	3.2	6	Soft wire up to 14 AWG (1.6 mm)	1178MVN
Full-flush	with safety clip	29/32	23.0	13/32	10.3	17/32	13.5	1/8	3.2	6	Soft wire up to 14 AWG (1.6 mm)	2178MVN

Hard Wire Shear cutter / Piano and Music



5 1/8 inch / 138.4 mm

- Shear cutting action
- Ensures square cut ends
- Eliminates flying segments
- Patented spring loaded hold down keeps material at 90° to tool blade
- Prevents material from forcing jaws apart
- Wire capacity .062"
- Standard cable capacity 1/16"
- Highest quality carbon steel
- Non-glare black finish
- Lightweight construction
- ESD-safe



Type of Cut	Special Feature	A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	Shelf Pack	Maximum Cutting Capability	Order No.
Full-flush	Piano and Music Wire Cutter	11/20	14.0	18/25	18.3	8/25	8.1	6	Hard wire up to 0.062 inch (1.6 mm)	134CG



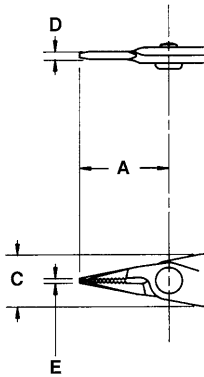
Micro Series Pliers

Plier / Serrated Jaws



5 1/2 inch / 139.7 mm

- Thin profile, long reach pliers for access in tight spaces
- Lightweight for maximum comfort
- Made for precision electronics applications
- Serrated jaws
- Highest quality carbon steel
- Non-glare black finish
- Lightweight construction
- ESD-safe



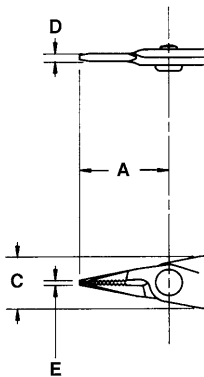
A (inch)	A (mm)	C (inch)	C (mm)	D (inch)	D (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
1 1/2	38.1	17/32	13.5	1/8	3.2	3/64	1.2	6	378MVN

Plier / Smooth Jaws



5 1/2 inch / 139.7 mm

- Thin profile, long reach pliers for access in tight spaces
- Lightweight for maximum comfort
- Made for precision electronics applications
- Smooth jaws
- Highest quality carbon steel
- Non-glare black finish
- Lightweight construction
- ESD-safe



A (inch)	A (mm)	C (inch)	C (mm)	D (inch)	D (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
1 1/2	38.1	17/32	13.5	1/8	3.2	3/64	1.2	6	378SMMVN



Micro Series Sets

General Purpose Shear cutter and Plier Set / Contains 170MVN & 378MVN



- Our most popular tools in one set – shear cutter 170MVN & plier 378MVN
- Highest quality carbon steel
- Non-glare black finish
- Lightweight construction
- ESD-safe






Description	Packed	Shelf Pack	Contents	Order No.
Shear cutter & Plier Set	Carded	10	1 x General purpose shear cutter (Find single product on page 64) 1 x Plier with serrated jaws (Find single product on page 66)	S2KVN

6.5 Pro Series Cutters & Pliers

Pro Series Cutters & Pliers offer quality and dependability, engineered with ESD-safe grips to cater to diverse industrial settings. Their design accommodates a broad array of heads, ensuring suitability for both precision tasks and more heavy-duty applications.

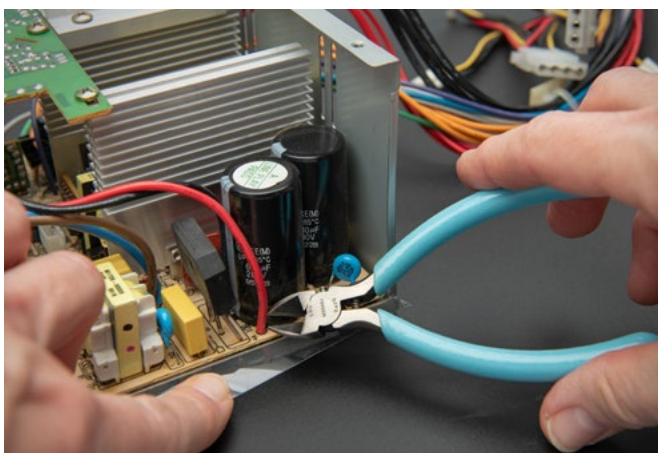
The ergonomic construction of these tools means performance without compromising on comfort. This renders them as indispensable tools for daily tasks. They are the choice for professionals.

-  **Variety of heads**
-  **Variety of cuts**
-  **Ergonomic construction**



ESD-Safe

All Xcelite Pro Series
Cutters & Pliers are ESD-safe







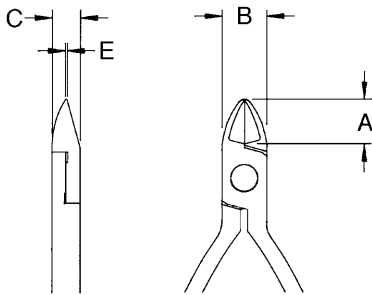



Pro Series Cutters

Oval Head Diagonal Cutter



  4 inch/101.6 mm

- Full-flush cutting
- General use
- Features cushion grips

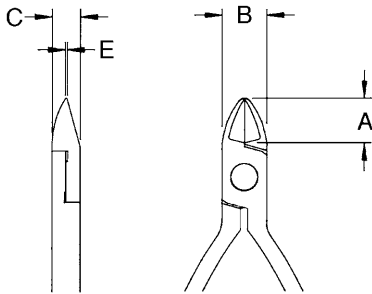



Type of Cut	A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
 Full-flush	13/32	10.3	7/16	11.1	9/32	7.1	1/32	0.8	6	MS54JN

Tapered Head Diagonal Cutter

  4 inch/101.6 mm

- Full-flush cutting of leads in restricted spaces
- Narrow tips give increased clearance
- Features cushion grips



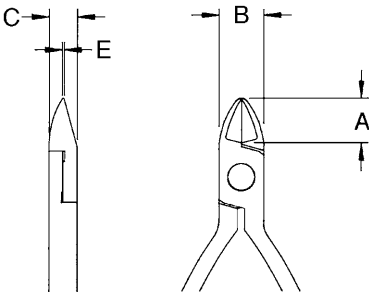
Type of Cut	A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
 Full-flush	15/32	11.9	7/16	11.1	9/32	7.1	3/64	1.2	6	MS549JVN

Relieved Tapered Head Diagonal Cutter



4 inch / 101.6 mm

- Full-flush cutting
- Allows use between closely spaced components
- Features cushion grips



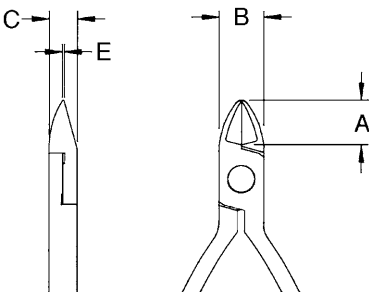
Type of Cut	A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
Full-flush	15/32	11.9	7/16	11.1	9/32	7.1	3/64	1.2	6	MS543JVN

Relieved Tapered Head Diagonal Cutter/ Accu-Lite Grips



5 1/2 inch / 139.7 mm

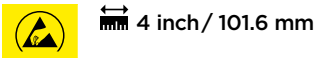
- Full-flush cutting
- Clears closely spaced components
- Accu-lite grips



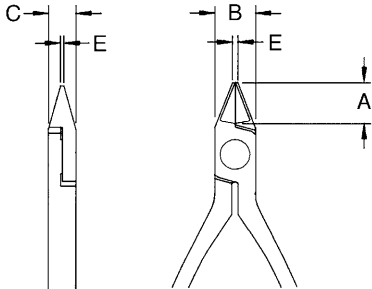
Type of Cut	A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
Full-flush	15/32	11.9	7/16	11.1	9/32	7.1	3/64	1.2	6	EMS543JN



Slim Line Tapered Head Diagonal Cutter

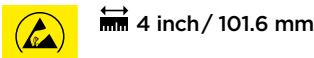


- Slim line tapered head
- Semi-flush cutting
- Features cushion grips

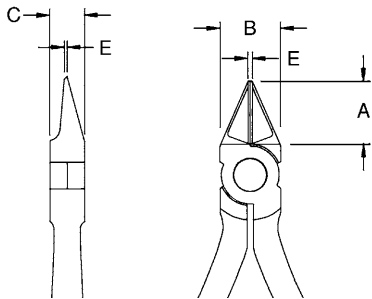


Type of Cut	A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
Semi-flush	13/32	10.3	7/16	11.1	9/32	7.1	1/16 x 1/32	1.5 x 0.9	6	MS545VN

Relieved Head Diagonal Cutter



- Full-flush cutting
- For use in limited access areas
- Features cushion grips



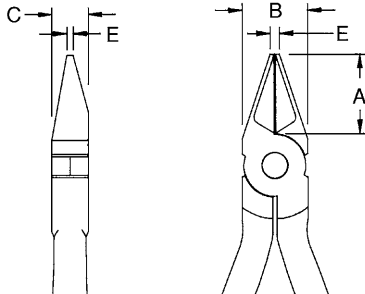
Type of Cut	A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
Full-flush	5/8	15.9	37/64	14.7	5/16	7.9	3/64 x 1/32	1.2 x 0.8	6	S424JSNN

Tapered Head Diagonal Cutter



5 inch / 127.0 mm

- Full-flush cutting
- Used for cutting component leads
- Features cushion grips



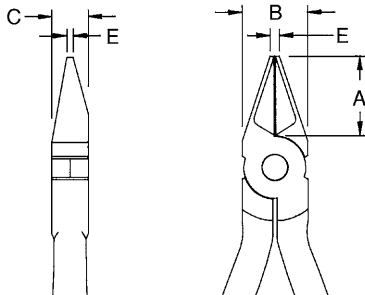
Type of Cut	A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
Full-flush	3/4	19.1	19/32	15.1	3/8	9.5	3/32 x 1/16	2.4 x 1.6	6	S475JSNN

Tapered Relieved Head Diagonal Cutter



5 inch / 127.0 mm

- Full-flush cutting
- For use in limited access areas
- Features cushion grips



Type of Cut	A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
Full-flush	49/64	19.4	19/32	15.1	3/8	9.5	3/32 x 3/64	2.4 x 1.2	6	S1415JSNN

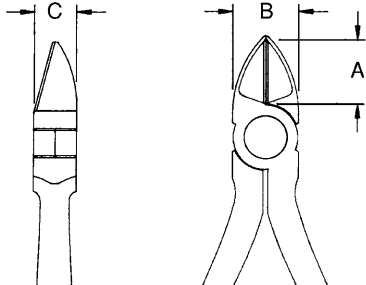


Diagonal Lead Cutter



4 ½ inch/ 114.3 mm

- Standard beveled edges
- Heavy-duty cutting
- Handle coil spring
- Features cushion grips



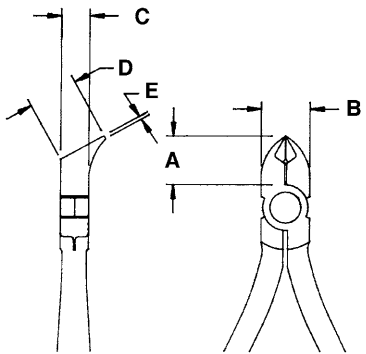
Type of Cut	A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	Shelf Pack	Order No.
Standard beveled edges	5/8	15.9	37/64	14.7	3/8	9.5	6	S54SNN

30° Angled Tip Cutter



4 ½ inch/ 114.3 mm

- Full-flush cutting in dense areas
- Thin angled nose for high visibility
- Features cushion grips



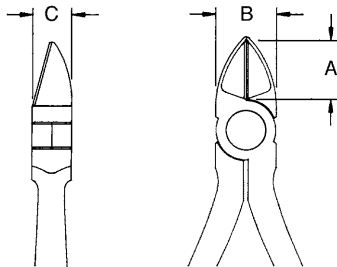
Type of Cut	A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	D (inch)	D (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
Full-flush	29/32	23.0	1/2	12.7	19/64	7.5	1/4	6.4	1/64	0.7	6	LC665JN



Oval Head Diagonal Cutter

4 inch/ 101.6 mm

- For work in close quarters
- Oval head
- Forged alloy steel construction, precision machining and scientific proportioning
- Plastic-coated cushion grip provides maximum leverage

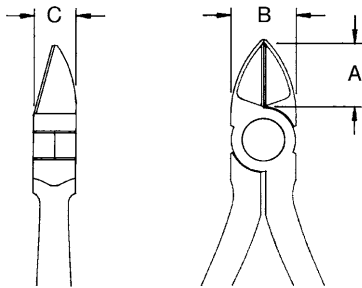


Type of Cut	A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	Shelf Pack	Order No.
Semi-flush	13/32	10.3	7/16	11.1	9/32	7.1	6	54CGVN

All-Purpose Oval Head Cutter

6 inch/ 152.4 mm

- Standard beveled edges
- All-purpose cutter
- Oval head
- Plastic-coated cushion grip provides maximum leverage



Type of Cut	A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	Shelf Pack	Order No.
Standard beveled edges	27/32	21.4	11/16	17.5	7/16	11.1	6	66CGNN

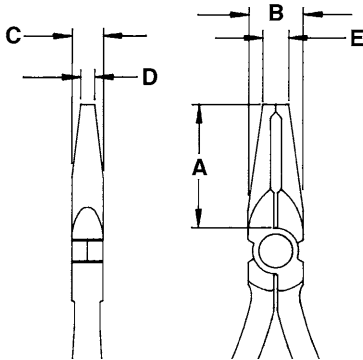


Transverse End Cutter



4 ½ inch/ 114.3 mm

- Full-flush cutting edge
- Vertical cutting in tight spaces
- Features cushion grips



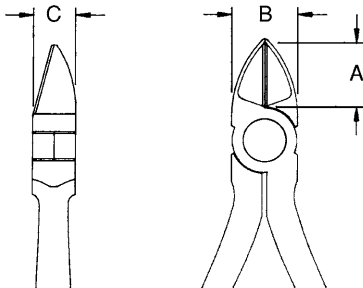
Type of Cut	A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	D (inch)	D (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
Full-flush	1	25.4	7/16	11.1	9/32	7.1	1/8	3.2	3/16	4.8	6	EC54JN

Oval Head Diagonal Cutter



5 inch/ 127.0 mm

- Standard beveled edges
- Forged alloy steel construction, precision machining and scientific proportioning
- Exceptional strength and performance
- Plastic-coated cushion grip provides maximum leverage



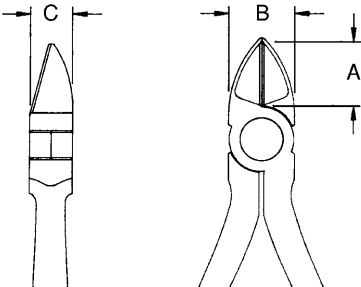
Type of Cut	A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	Shelf Pack	Order No.
Standard beveled edges	3/4	19.1	19/32	15.1	3/8	9.5	6	55CGNN

Oval Head Diagonal Cutter/With Spring



5 inch/ 127.0 mm

- Standard beveled edges
- Handle coil spring
- Features cushion grips



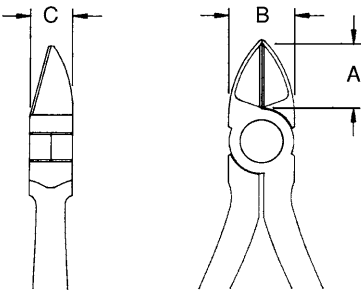
Type of Cut	A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	Shelf Pack	Order No.
Standard beved edges	49/64	19.4	19/32	15.1	3/8	9.5	6	S55SNN

Oval Head Diagonal Lead Cutter/ With Spring



5 inch/ 127.0 mm

- Semi-flush cutting
- Heavy-duty cutting
- Handle coil spring
- Features cushion grips



Type of Cut	A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	Shelf Pack	Order No.
Semi-flush	49/64	19.4	19/32	15.1	3/8	9.5	6	S55KSNN

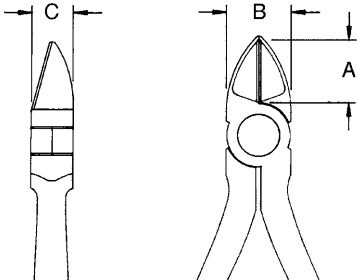



Oval Head Diagonal Cutter



4 inch/ 101.6 mm

- Semi-flush cutting
- General-purpose cutting
- Oval head for long life
- Features cushion grips



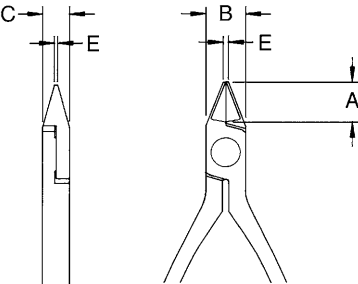
Type of Cut	A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	Shelf Pack	Order No.
 Semi-Flush	13/32	10.3	7/16	11.1	9/32	7.1	6	MS54VN


Slim Line Tapered Head Diagonal Cutter



4 inch/ 101.6 mm

- Full-flush cutting
- Slim line tapered head
- Features cushion grips



Type of Cut	A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
 Full-Flush	13/32	10.3	7/16	11.1	9/32	7.1	1/16 x 1/32	1.6 x 0.8	6	MS545JVN





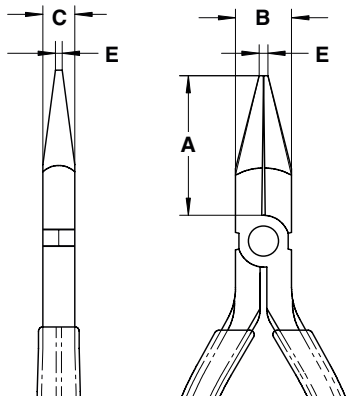
Pro Series Pliers

Short Chain Nose Plier Heavy Duty/ Serrated Jaws



5 inch/ 127.0 mm

- Heavy-duty cutting
- Features cushion grips



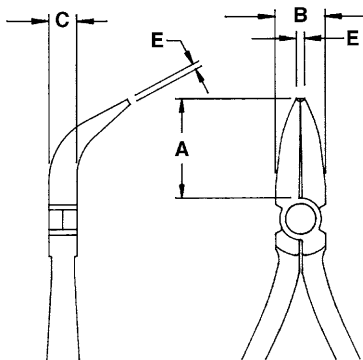
A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
1 9/64	32.4	17/32	13	9/32	7.4	1/16 x 5/64	1.6 x 2	6	LN225N

60° Curved-Tip Nose Plier/ Serrated Jaws



5 inch/ 127.0 mm

- Thin tip
- Features cushion grips



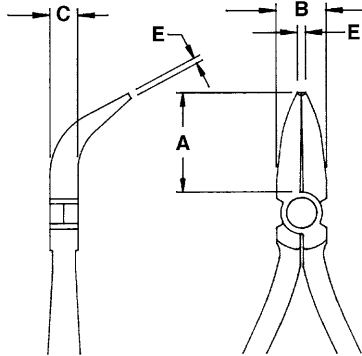
A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
1 15/64	31.4	27/64	10.7	9/32	7.1	3/64	1.2	6	CN255VN

60° Curved-Tip Nose Plier / Smooth Jaws



5 inch / 127.0 mm

- Thin tip
- Features cushion grips



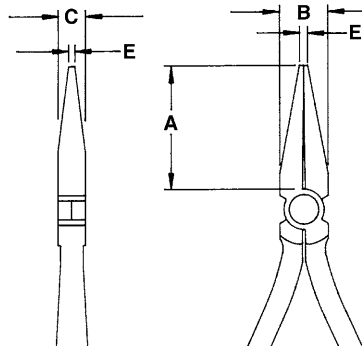
A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
1 15/64	31,4	27/64	10,7	9/32	7,1	3/64	1,2	6	CN255GN

Long Needle Nose Plier / Serrated Jaws



5 inch / 127.0 mm

- General-purpose use
- For pick-up and wire forming
- Thin long nose pliers
- Features cushion grips



A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
1 3/16	30,2	7/16	11,1	9/32	7,1	5/64 x 1/16	2,0 x 1,6	6	LN54VN / LN54BKN

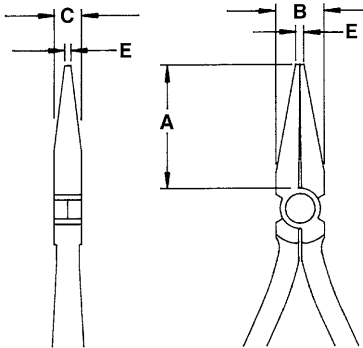


Thin Long Nose Plier/ Fine Point/Serrated Jaws



5 inch/ 127.0 mm

- Thin long nose pliers
- Fine point for precision work
- For pick-up and wire forming
- Features cushion grips



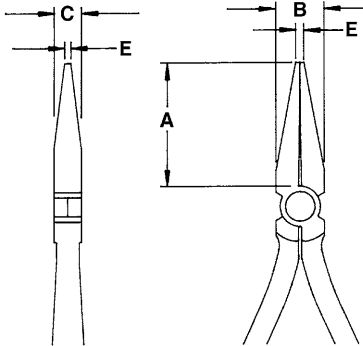
A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
1 3/16	30.2	7/16	11.1	9/32	7.1	3/64 x 1/32	1.2 x 0.8	6	LN542N

Thin Long Nose Plier/ Smooth Jaws



5 inch/ 127.0 mm

- Thin long nose plier
- General-purpose use
- For pick-up and wire forming
- Features cushion grips



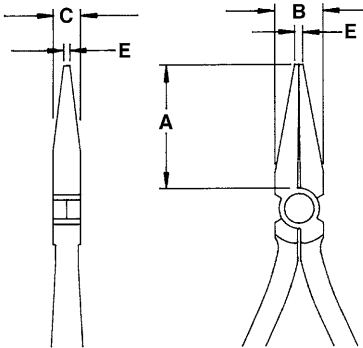
A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
1 3/16	30.2	7/16	11.1	9/32	7.1	5/64 x 1/16	2.0 x 1.6	6	LN546VN

Thin Long Nose Plier/ Serrated Jaws/Accu-Lite Grips



6 1/2 inch / 165.1 mm

- Thin long nose pliers
- General-purpose use
- For pick-up and wire forming
- Accu-lite grips



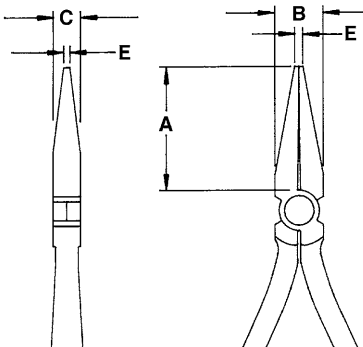
A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
1 3/16	30.2	7/16	11.1	9/32	7.1	5/64 x 1/16	2.0 x 1.6	6	ELN54N

Thin Long Nose Plier/ Smooth Jaws/Accu-Lite Grips



6 1/2 inch / 165.1 mm

- Thin long nose pliers
- General-purpose use
- For pick-up and wire forming
- Accu-lite grips



A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
1 3/16	30.2	7/16	11.1	9/32	7.1	5/64 x 1/16	2.0 x 1.6	6	ELN54GN

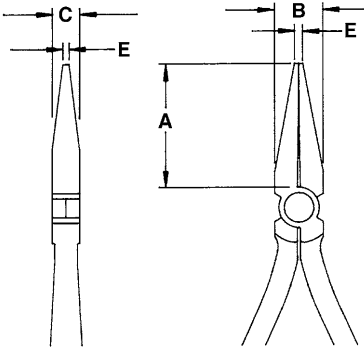


Thin Long Nose Plier/Serrated Jaws



5 1/2 inch/ 139.7 mm

- General-purpose use
- Features cushion grips



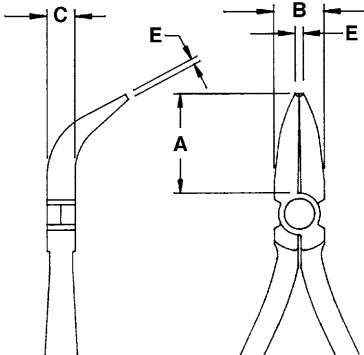
A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
1 11/16	42.9	17/32	13.5	9/32	7.1	5/64 x 1/16	2.0 x 1.6	6	LN55VN

60° Curved-Jaw Long Nose Plier/Smooth Jaws



5 inch/ 127.0 mm

- For reaching between closely spaced components
- Features cushion grips



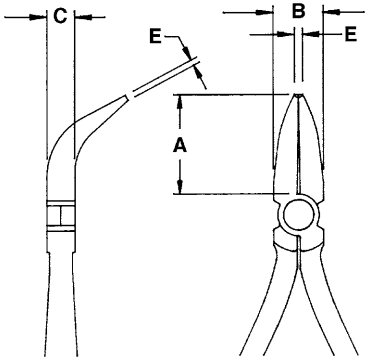
A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
15/16	23.8	7/16	11.1	9/32	7.1	5/64 x 1/16	2.0 x 1.6	6	CN54GN

45° Curved-Tip Long Nose Plier/Smooth Jaws



5 ½ inch / 139.7 mm

- For reaching between closely spaced components
- Features cushion grips



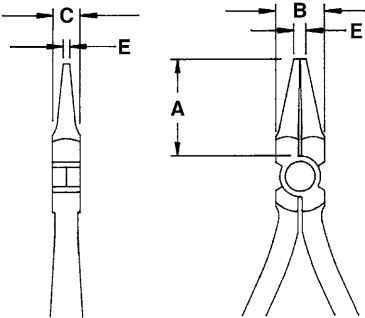
A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
1 9/16	39.7	7/32	5.6	9/32	7.1	5/64 x 1/16	2.0 x 1.6	6	CN55GN

Round Nose Plier/Smooth Jaws



4 ½ inch / 114.3 mm

- Round, smooth jaws tapered to point
- For looping and forming of fine wire
- Features cushion grips



A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
7/8	22.2	7/16	11.1	9/32	7.1	1/8 x 1/16	3.2 x 1.6	6	RN54N

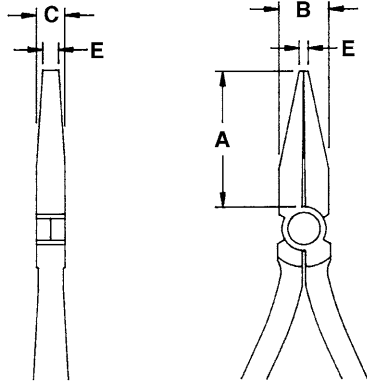


Flat Nose Plier/Smooth Jaws



5 inch / 127.0 mm

- For holding and forming wire and small parts
- Features cushion grips



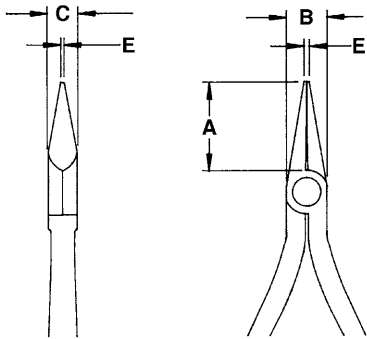
A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
1 3/16	30.2	7/16	11.1	9/32	7.1	5/64 x 9/64	2.0 x 3.6	6	DN54GVN

Subminiature Needle Nose Plier/Serrated Jaws



4 inch / 101.6 mm

- Positive gripping of fine wire or subminiature components
- Fine point allows use in confined areas
- Features cushion grips



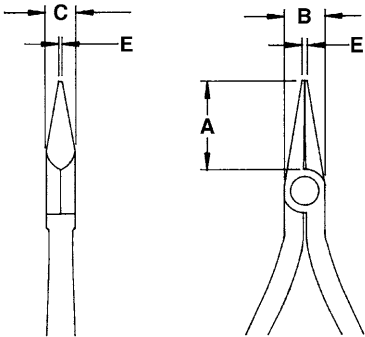
A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
13/16	20.6	3/8	9.5	9/32	7.1	3/64 x 1/32	1.2 x 0.8	6	L4VN

Subminiature Needle Nose Plier/Smooth Jaws



4 inch/ 101.6 mm

- Positive gripping of fine wire or subminiature components
- Fine point allows use in confined areas
- Features cushion grips



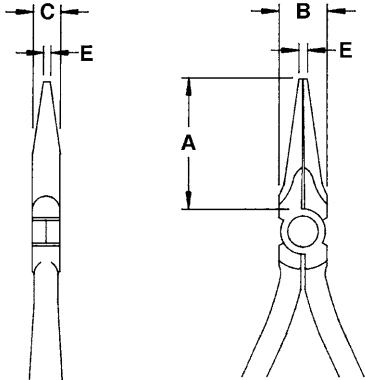
A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
13/16	20.6	3/8	9.5	9/32	7.1	3/64 x 1/32	1.2 x 0.8	6	L4GN

Fine Point Needle Nose Plier/Serrated Jaws



5 inch/ 127.0 mm

- Positive gripping of fine wires or subminiature components
- Long, thin nose with fine serrated jaws
- Features cushion grips



A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
1 3/16	30.2	7/16	11.1	9/32	7.1	3/64 x 1/32	1.2 x 0.8	6	NN542N

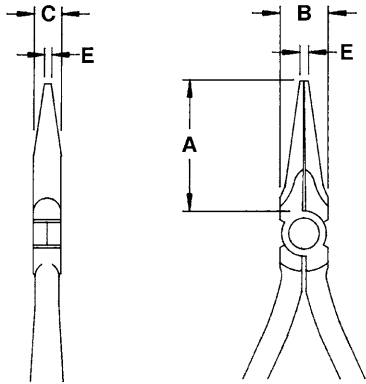


Slim Line Needle Nose Plier/Serrated Jaws



5 inch / 127.0 mm

- Slim line needle nose pliers
- For use between tightly spaced components
- Features cushion grips



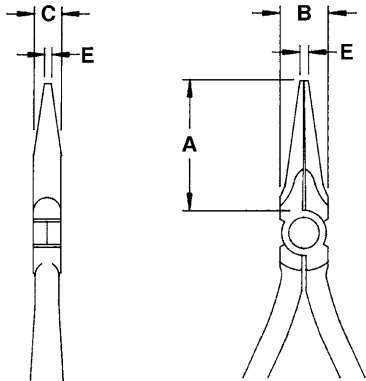
A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
1 3/16	30.2	7/16	11.1	9/32	7.1	5/64 x 1/16	2.0 x 1.6	6	NN54VN

Slim Line Needle Nose Plier/Smooth Jaws



5 inch / 127.0 mm

- Slim line needle nose pliers
- For use between tightly spaced components
- Features cushion grips



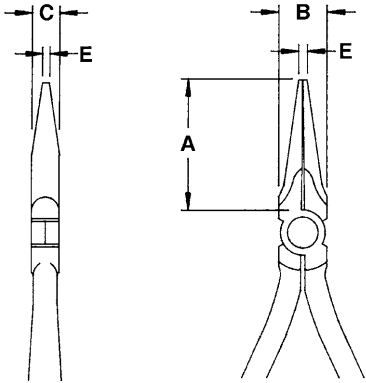
A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
1 3/16	30.2	7/16	11.1	9/32	7.1	5/64 x 1/16	2.0 x 1.6	6	NN54GVN

Slim Line Needle Nose Plier/Serrated Jaws



5 1/2 inch/ 139.7 mm

- Slim line needle nose pliers
- For use between tightly spaced components
- Features cushion grips



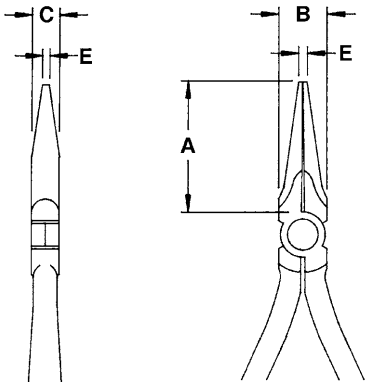
A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
1 11/16	42.9	15/32	11.9	1/4	6.4	5/64 x 1/16	2.0 x 1.6	6	NN55VN

Slim Line Needle Nose Plier/Smooth Jaws



5 1/2 inch/ 139.7 mm

- Slim line needle nose pliers
- For use between tightly spaced components
- Features cushion grips



A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
1 11/16	42.9	15/32	11.9	1/4	6.4	5/64 x 1/16	2.0 x 1.6	6	NN55GN

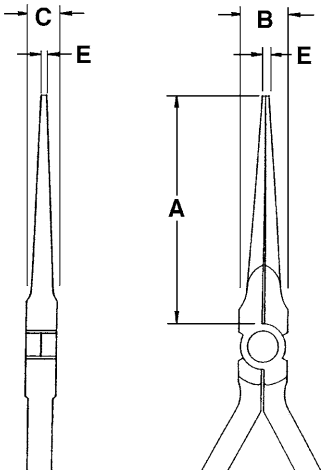


Long Nose Wiring & Pick-Up Plier/Serrated Jaws



5 1/2 inch/ 139.7 mm

- Long nose design
- Features cushion grips



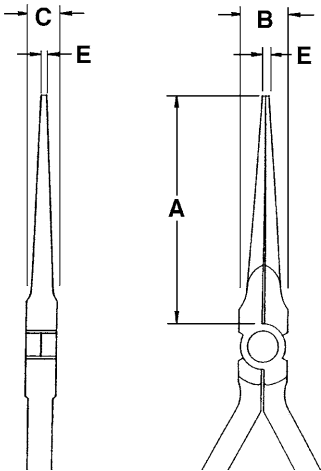
A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
1 3/4	44.5	15/32	11.9	1/4	6.4	5/64 x 1/16	2.0 x 1.6	6	LN774512N

Slim Line Long Needle Nose Plier/Serrated Jaws



5 1/2 inch/ 139.7 mm

- Fine tip
- Features cushion grips



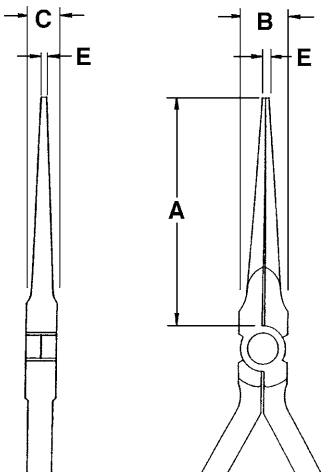
A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
1 3/4	44.5	15/32	11.9	1/4	6.4	5/64 x 1/16	2.0 x 1.6	6	LN775512VN

Slim Line Long Needle Nose Plier/Smooth Jaws



5 ½ inch / 139.7 mm

- Fine tip
- Features cushion grips



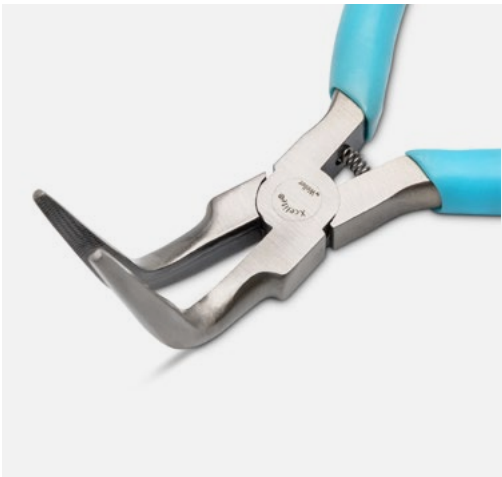
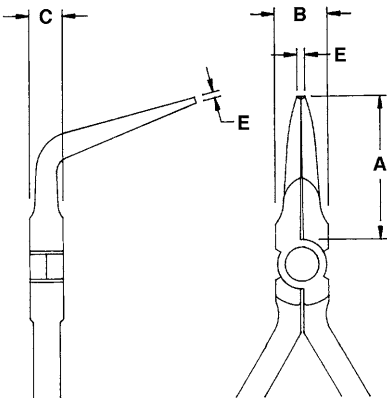
A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
1 3/4	44.5	15/32	11.9	1/4	6.4	5/64 x 1/16	2.0 x 1.6	6	LN775512GN

60° Curved-Jaw Long Nose Plier



6 inch / 152.4 mm

- For reaching into confined spaces
- Features cushion grips



A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
1 23/64	34.5	15/32	11.9	1/4	6.4	1/16 x 1/16	1.6 x 1.6	6	CN7776N

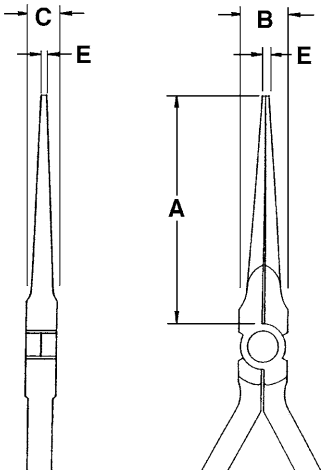


Long Needle Nose Plier/Serrated Jaws



6 inch/ 152.4 mm

- Extra long nose
- Features cushion grips



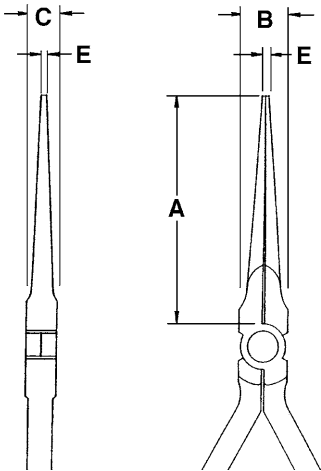
A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
2 5/16	58.7	15/32	11.9	1/4	6.4	0.08 x 5/64	2.0 x 2.0	6	NN7776VN

Long Needle Nose Plier/Smooth Jaws



6 inch/ 152.4 mm

- Extra long nose
- Features cushion grips

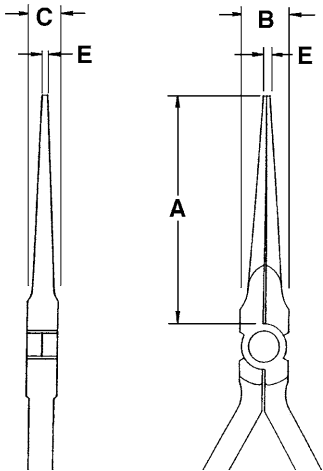


A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
2 5/16	58.7	15/32	11.9	1/4	6.4	0.08 x 5/64	2.0 x 2.0	6	NN7776GN

Needle Nose Plier/Serrated Jaws/With Coil Spring

5 1/16 inch/ 144.5 mm

- For firm gripping and looping of wire
- With fine serrated jaws and coil spring
- Forged alloy steel construction, precision machining and scientific proportioning
- Plastic-coated cushion grip provides maximum leverage

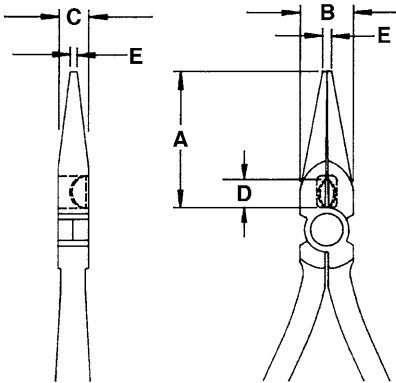


A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
1 25/32	45.2	15/32	11.9	1/4	6.4	5/64	2.0	6	57CGVN

Gripping & Looping Plier with Cutter/Serrated Jaws

6 inch/ 152.4 mm

- For firm gripping and looping of wire
- Forged alloy steel construction, precision machining and scientific proportioning
- Side cutter feature
- Plastic-coated cushion grip provides maximum leverage



A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	D (inch)	D (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
1 7/8	47.6	11/16	17.5	3/8	9.5	1/2	12.7	3/32	2.4	6	51CGNN

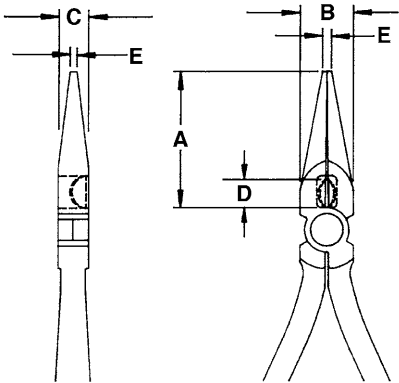


Long Nose Side Cutting Plier/Serrated Jaws



5 inch/ 127.0 mm

- For general wire applications
- For reaching into confined working spaces
- Serrated jaws
- Features cushion grips



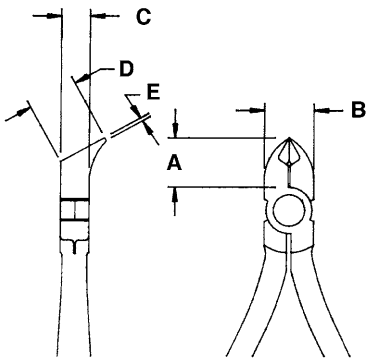
A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	D (inch)	D (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
1 3/16	30.2	17/32	13.5	9/32	7.1	1/4	6.4	5/64 x 1/16	2.0 x 1.6	6	SN54N

Diagonal End Cutting Plier



4 inch/ 101.6 mm

- Angled diagonal end cutter at 29°
- Full-flush cutting
- For cutting directly above the work area
- To use on closely spaced adjacent components
- Features cushion grips



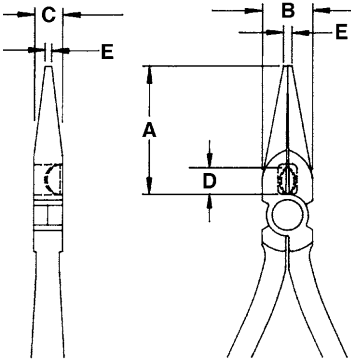
A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	D (inch)	D (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
7/16	11.1	7/16	11.1	9/32	7.1	7/16	11.1	1/32	0.8	6	GA54JVN

Long Nose Side Cutting Plier/Serrated Jaws



5 1/2 inch/ 139.7 mm

- For general wire applications
- For reaching into confined working spaces
- Serrated jaws
- Features cushion grips



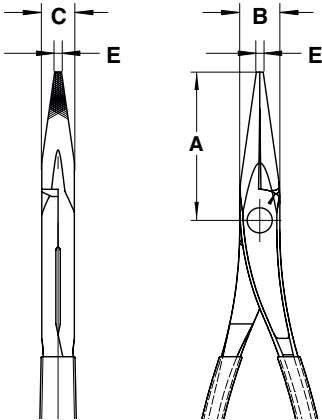
A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	D (inch)	D (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
1 11/16	42.9	17/32	13.5	9/32	7.1	1/4	6.4	5/64 x 1/16	2.0 x 1.6	6	SN55VN

Electrician's Chain Nose Pliers/Serrated Jaws



8 inch/203.2 mm

- Electrician's chain nose pliers
- Serrated jaw for gripping and high leverage
- Forged alloy steel construction, precision machining and scientific proportioning
- Offers long reach
- Plastic-coated cushion grip provides maximum leverage



A (inch)	A (mm)	B (inch)	B (mm)	C (inch)	C (mm)	E (inch)	E (mm)	Shelf Pack	Order No.
11/2	38.1	9/16	14.3	15/32	11.9	3/32	2.4	6	59CGNN



Pro Series Sets

Electronic Cutters & Pliers Set/4 Pieces

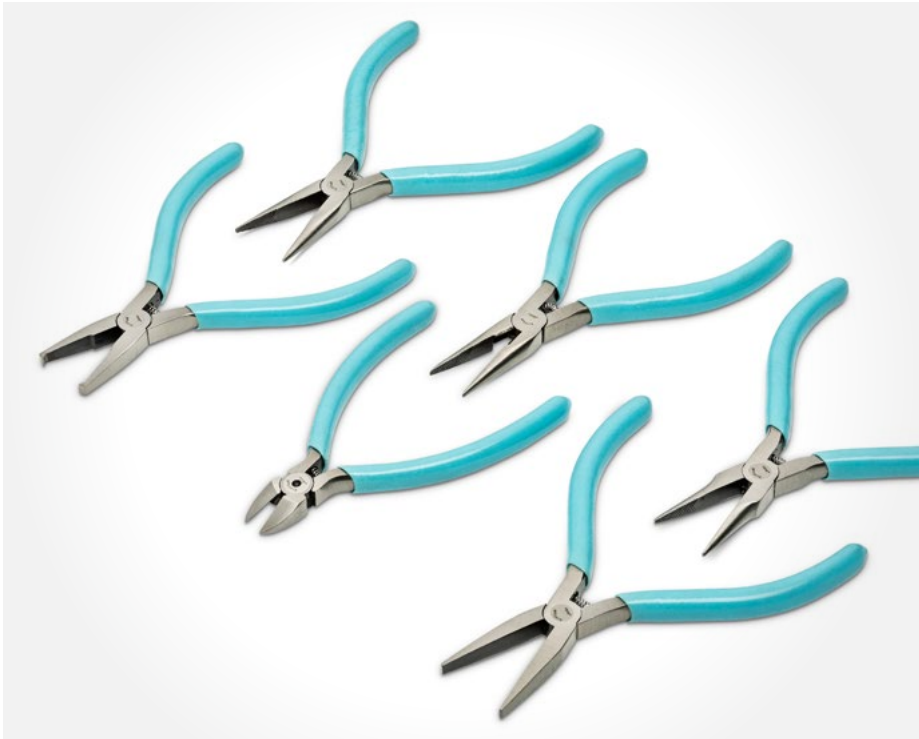
- A compact set designed for the sophisticated electronics technician or dedicated hobbyist
- Consists of the 4 most popular electronics cutters & pliers
- Durable pocket pouch with heavy-duty snaps



Description	Packed	Shelf Pack	Contents	Order No.
4 Pieces Electronic Cutters and Pliers Set	Pocket pouch	1	1 x Oval head diagonal cutter 4" (Find single product on page 70) 1 x Relieved tapered head diagonal cutter 4" (Find single product on page 71) 1 x Slim line tapered head diagonal cutter 4" (Find single product on page 78) 1 x Diagonal end cutter plier 4" (Find single product on page 94)	C2KN

Electronic Cutters & Pliers Set /6 Pieces





- A compact set designed for the sophisticated electronics technician or dedicated hobbyist
- Consists of the 6 most popular electronics cutters & pliers
- Durable pocket pouch with heavy-duty snaps



Description	Packed	Shelf Pack	Contents	Order No.
6 Pieces Electronic Cutters & Pliers Set	Pocket pouch	1	1 x Transverse end cutter 4 1/2" (Find single product on page 76) 1 x Oval head diagonal cutter 4" (Find single product on page 78) 1 x Long nose side cutting plier 5"(Find single product on page 94) 1 x Slim line needle nose plier 5" with serrated jaws (Find single product on page 88) 1 x Flat nose plier 5" with smooth jaws (Find single product on page 86) 1 x Long needle nose plier 5" with serrated jaws (Find single product on page 81)	C1KN

6.6 Precision Knives & Blades

Weller Xcelite Precision Knives and Blades are designed to meet the needs of both expert craftsmen and hobbyists, guaranteeing high precision and enduring quality. These knives are equipped with a reliable four-jaw chuck system that ensures a firm grip on interchangeable blades, offering steadiness for detailed work. The blades, made from surgical-grade steel, preserve a keen edge, even through extensive use, for consistently clean and precise cuts. This combination of versatility, durability, and precision makes these knives and blades a top choice.

-  Precision made for durable life
-  Interchangeable blades
-  Sure-locking four jaw chuck
-  Blades made from surgical steel







Precision Knives

Light-Duty Precision Knife/ Fits All XNB1 Blades

- Designed for light-duty cutting on paper, soft and lightweight materials or wood
- Fits all XNB1 blades: XNB101, XNB103, XNB105



Description	Packed	Length (inch)	Length (mm)	Type of Blade	Shelf Pack	Order No.
Light-Duty Precision Knife	Carded	5 13/16	147.6	XNB103	6	XN100

Medium-Duty Precision Knife/ Fits All XNB2 Blades

- Designed for heavy paper and medium density materials
- Fits all XNB2 blades: XNB201, XNB203, XNB205



Description	Packed	Length (inch)	Length (mm)	Type of Blade	Shelf Pack	Order No.
Medium-Duty Precision Knife	Carded	5 3/4	146.1	XNB205	6	XN200



Precision Knife Sets

Light and Medium-Duty Knife Set/12 Pieces

- For a wide range of cutting operations
- Contains XN100 and XN200 knives as well as 10 assorted blades (XNB103 and XNB205)



Description	Packed	Shelf Pack	Contents	Order No.
Light and Medium-Duty Knife Set with Blades	Carded	6	1 x Light-duty precision knife (Find single product on page 100) 1 x Medium-duty precision knife (Find single product on page 100) 5 x Fine point precision blades (Find single product on page 102) 5 x Pointed precision blades (Find single product on page 103)	XNS100



Precision Blades

Standard Precision Blade / Fits XN100 Precision Knife

- General-duty blades for cutting, carving and correcting stencils
- Replacement blades for XN100 precision knife
- Safely packed in transparent plastic containers and carded
- Five blades per container



Description	Packed	Quantity	Fits Knife	Shelf Pack	Order No.
Standard Precision Blade	Carded	5-Pack	XN100	6	XNB101

Fine Point Precision Blade / Fits XN100 Precision Knife

- Blades for most detailed cutting and stripping
- Replacement blades for XN100 precision knife
- Safely packed in transparent plastic containers and carded
- Five blades per container (XNB103), bulk version contains 100 blades (XNB103B)



Description	Packed	Quantity	Fits Knife	Shelf Pack	Order No.
Fine Point Precision Blade	Carded	5-Pack	XN100	6	XNB103 / XNB103B

Stencil Precision Blade / Fits XN100 Precision Knife

- Blades for scoring and etching as well as stencil cutting
- Replacement blades for XN100 precision knife
- Safely packed in transparent plastic containers and carded
- Five blades per container



Description	Packed	Quantity	Fits Knife	Shelf Pack	Order No.
Stencil Precision Blade	Carded	5-Pack	XN100	6	XNB105



Chisel Precision Blade / Fits XN200 Precision Knife

- Baldes for rough shaping, de-burring and chiseling
- Replacement baldes for XN200 precision knife
- Safely packed in transparent plastic containers and carded
- Five blades per container



Description	Packed	Quantity	Fits Knife	Shelf Pack	Order No.
Chisel Precision Blade	Carded	5-Pack	XN200	6	XNB201

General Purpose Precision Blade / Fits XN200 Precision Knife

- Blades for most cutting requirements
- Replacement baldes for XN200 precision knife
- Safely packed in transparent plastic containers and carded
- Five blades per container



Description	Packed	Quantity	Fits Knife	Shelf Pack	Order No.
General Purpose Precision Blade	Carded	5-Pack	XN200	6	XNB203

Pointed Precision Blade / Fits XN200 Precision Knife

- Blades for close corner cuts on templates, mates, gaskets, also trimming, stripping and de-burring
- Replacement baldes for XN200 precision knife
- Safely packed in transparent plastic containers and carded
- Five blades per container



Description	Packed	Quantity	Fits Knife	Shelf Pack	Order No.
Pointed Precision Blade	Carded	5-Pack	XN200	6	XNB205

6.7 Speciality Tools

The Weller Xcelite Speciality Tools are engineered for precision work, offering accuracy and simplicity. Their solid build and design ensure a good user experience. These tools are crucial for professionals who value swift and trustworthy performance in their tasks. They are built to last and be reliable companions.

 **Durability**

 **Ergonomics**







Wire Strippers

Self-Adjusting Wire Stripper / 32 – 10 AWG

- Tool capable of stripping wires from 32 – 10 AWG without adjustment
- Widest stripping capacity of any tool of its type
- Easily interchangeable stripping cassettes enables precision stripping
- Strips a wide range of insulation types, PVC to PTFE with just one tool. Tested to over 150,000 cycles
- The ergonomic design is lightweight, strong and comfortable
- The tool is suitable for production or field service work
- Fine insulation can be stripped without damage to the conductor
- Low friction moving handle optimized grip span, and angled head



Description	Packed	Shelf Pack	Order No.
Self-Adjusting Wire Stripper 32 – 10 AWG	Boxed	1	SAS3210

Teflon® Replacement Blade

- Capable of stripping Teflon® insulation from 28 – 12 AWG
- Interchangeable replacement blade for SAS32120 Wire Stripper



Description	Packed	Shelf Pack	Order No.
Teflon® Replacement Blade for SAS3210 Wire Stripper	Boxed	1	SAS3210TRB

Snips

Electrician's Snips

- Shearing action of 1 1/2" or 38 mm cut pointed blades prevents peaks on fine wires and filaments
- Useful for removing insulation and cutting light sheet metal
- Coil spring opens blades
- Safety latch
- Plastic-coated cushion grip provides maximum leverage



Description	Packed	Length (mm)	Length (inch)	Opening (inch)	Opening (mm)	Shelf Pack	Order No.
Electrician's Snips	Boxed	6 1/2	165.1	1 1/2	38.1	6	86NCG



Cable Tie Guns

Cable Tie Gun

- Die cast steel construction for durability and long life
- Flush cut with each use for professional installation
- Tension adjustment for miniature, intermediate standard, heavy duty cable ties




Description	Packed	Shelf Pack	Order No.
Cable Tie Tightener and Cutter	Carded	6	DCT300VN



Utility Plier

Utility Plier



 5 inch / 127.0 mm

- Narrow jaw for close work
- 3-jaw opening adjustment to 1/2"
- Forged alloy steel construction. precision machining and scientific proportioning
- Plastic-coated cushion grip provides maximum leverage



Description	Packed	Length (inch)	Length (mm)	Opening (inch)	Opening (mm)	Shelf Pack	Order No.
Utility Plier	Carded	5	127.0	1/2	12.7	6	50CGV



Seizer Forceps

Straight Nose Seizer / Serrated Jaws

- Versatile tool with unusual holding qualities
- Clamps firmly to hold wires for soldering
- Acts as a heat sink and retrieves small parts from hard-to-reach places
- Precision-machined from perfectly tempered stainless steel
- Box-joint construction
- 3-position snap lock



Description	Packed	Shelf Pack	Order No.
Straight Nose Seizer / Serrated Jaws	Carded	6	42HVN







6.8 Professional Tool Cases

Weller Xcelite Professional Tool Cases are designed to be the ideal solution for technicians seeking organized and accessible tool storage. Each case is carefully put together, offering a wide selection of Xcelite's quality tools to cover various professional requirements.

The cases are sturdy, ensuring that the tools are well-protected and easily reachable when needed, making them an essential resource for professionals who frequently travel.

They are the practical and reliable choice for any technician who needs a comprehensive set of quality tools at their fingertips.

-  **Durability**
-  **Convenience**
-  **Wide selection of tools**
-  **Organization**







Tool Cases

100 Series Wheeled Pro Tool Case/100 Pieces

- Contains 1 high quality tool case, 31 Series 99® interchangeable screw-driver/nutdriver blades and handles, 41 Classic Series screw- and nutdrivers, handles and reversible blades, 12 cutters and pliers, 2 specialized tool sets, and 1 soldering tip (as listed)
- Extra large roller bearing wheels (3 5/8") with wide base for maximum stability and easy transport over rough pavement or stairs
- Extra wide, comfortable extension handle is molded into case to prevent wear
- Size: 20" x 16 3/4" x 13 1/2" deep
- Extension handle locks in place automatically when extended and retracted. Easy one-handed release
- Two tote handles for convenience. Both are spring loaded for protection
- "D" ring provided for Bunji cords to carry other cases on top
- Case is super tough, black polyethylene rotationally molded for maximum strength. Minimum wall thickness of 0.120"
- 3-panel hinged tool pallet in lid plus additional pallet in bottom
- Extra large storage space for additional equipment
- Extra large all new screen mesh literature/utility pocket



Description	Order No.
100 Series Wheeled Pro Tool Case	TCMB100STWN
Tool case (no tools)	TCMB100MTW

100 Series Polyethylene Tool Case/100 Pieces

- Contains 1 high quality tool case, 31 Series 99® interchangeable screwdriver/nutdriver blades and handles, 41 Classic Series screw- and nutdrivers, handles and reversible blades, 12 cutters and pliers, 2 specialized tool sets, and 1 soldering tip (as listed)
- Contains 3-panel hinged tool pallet in lid plus additional pallet in bottom
- Super tough, black polyethylene with rich looking black anodized aluminum hardware
- Size: 17 3/4" x 12 5/8" x 5 3/4"/451 mm x 321 mm x 146 mm



Description

100 Series Polyethylene Tool Case

Tool case (no tools)

Order No.

TCMB100STN

TCMB100MT

100 Series Soft Pro Tool Case/100 Pieces

- Contains 1 high quality tool case, 31 Series 99® interchangeable screwdriver/nutdriver blades and handles, 41 Classic Series screw- and nutdrivers, handles and reversible blades, 12 cutters and pliers, 2 specialized tool sets, and 1 soldering tip (as listed)
- Case made from rugged Cordura® with dual heavy-duty zippers and soft leather wrapped handles
- Contains (on outside) 1 pocket on one side and 2 smaller pockets on opposite
- Size: 17" x 12" x 3 1/4"/432 mm x 305 mm x 83 mm



Description

100 Series Soft Pro Tool Case

Order No.

TCS100STN



List of Content for All Three Tool Cases

Series 99® Screw- & Nutdrivers	Order No.	Classic Series Screw- & Nutdrivers	Order No.
Regular Handle	991N	1/4 x 4" Slotted Round Blade Screwdriver	R144N
Ratcheting Regular Handle	991RN	1/4 x 6" Slotted Round Blade Screwdriver	R146N
Ratcheting Tee Handle	994RN	1/8 x 4" Slotted Round Blade Screwdriver	R184N
4" Extension	99X5N	3/16 x 4" Slotted Round Blade Screwdriver	R3164N
7" Extension	99X10N	3/16 x 6" Slotted Round Blade Screwdriver (Insulated Blade)	-
1/8 x 3/8" Reamer	9938N	5/32 x 5" Slotted Round Blade Screwdriver	-
1/8" Slotted Screwdriver Blade	99125N	1/8 x 2" Slotted Pocket-Clip Style Round Blade Screwdriver	R181N
1/4" Slotted Screwdriver Blade	99250N	3/32 x 3" Slotted Pocket-Clip Style Round Blade Screwdriver	R3323N
5/16" Slotted Screwdriver Blade	99312N	3/8 x 8" Slotted Square Blade Screwdriver	-
3/16" Slotted Screwdriver Blade	99811N	5/16 x 6" Slotted Square Blade Screwdriver	-
#0 Phillips® Screwdriver Blade	99820N	3/16 x 1 1/4" Slotted Stubby Square Blade Screwdriver	-
#1 Phillips® Screwdriver Blade	99821N	5/16 x 1 1/4" Slotted Stubby Square Blade Screwdriver	-
#2 Phillips® Screwdriver Blade	99822N	#1 Stubby Phillips® Screwdriver	SX101N
0.048" Bristol Multi-Spline Screwdriver Blade (6-flute)	9961N	#0 Super-Tru Tip - Phillips® Screwdriver	XST100N
0.060" Bristol Multi-Spline Screwdriver Blade (6-flute)	9962N	#1 Super-Tru Tip - Phillips® Screwdriver	XST101N
0.069" Bristol Multi-Spline Screwdriver Blade (4-flute)	9963N	#2 Super-Tru Tip - Phillips® Screwdriver	XST102N
0.072" Bristol Multi-Spline Screwdriver Blade (6-flute)	9964N	0.028" Mini Hex Screwdriver	-
0.076" Bristol Multi-Spline Screwdriver Blade (4-flute)	T9965BKN	0.035" Mini Hex Screwdriver	TP19N
0.096" Bristol Multi-Spline Screwdriver Blade (6-flute)	9966N	3/16" Hex Nutdriver, Full Hollow Shaft	HS6N
0.111" Bristol Multi-Spline Screwdriver Blade (6-flute)	-	1/4" Hex Nutdriver, Full Hollow Shaft	THS8N
0.145" Bristol Multi-Spline Screwdriver Blade (6-flute)	-	5/16" Hex Nutdriver, Full Hollow Shaft	HS10N
0.183" Bristol Multi-Spline Screwdriver Blade (6-flute)	-	11/32" Hex Nutdriver, Full Hollow Shaft	HS11N
1/20" Allen® Hex Screwdriver Blade	9920N	3/8" Hex Nutdriver, Full Hollow Shaft	HS12N
1/16" Allen® Hex Screwdriver Blade	9921N	7/16" Hex Nutdriver, Full Hollow Shaft	HS14N
5/64" Allen® Hex Screwdriver Blade	9922N	1/2" Hex Nutdriver, Full Hollow Shaft	HS16N
3/32" Allen® Hex Screwdriver Blade	9923N	9/16" Hex Nutdriver, Full Hollow Shaft	HS18N
1/20" Allen® Hex Screwdriver Blade	9925N	1/4" Magnetic Nutdriver	-
1/16" Allen® Hex Screwdriver Blade	9926N	5/16" Magnetic Nutdriver	-
5/64" Allen® Hex Screwdriver Blade	9924N	3/32" Mini Hex Nutdriver	-
7/64" Allen® Hex Screwdriver Blade	99764N	1/8" Mini Hex Nutdriver	P4N
9/64" Allen® Hex Screwdriver Blade	T99964N	5/32" Mini Hex Nutdriver	P5N
		3/16" Mini Hex Nutdriver	P6N
		7/32" Mini Hex Nutdriver	-
		1/4" Mini Hex Nutdriver	P8N
		9/32" Mini Hex Nutdriver	-
		5/16" Mini Hex Nutdriver	P10N
		11/32" Mini Hex Nutdriver	-
		3/8" Mini Hex Nutdriver	-
		4-Way Pocket Screwdriver	600VN
		Dual reversible screwdriver blade (3/16" slotted, #1 Phillips®)	-
		Torque Amplifier Handle	HTA2N



Cutters & Pliers	Order No.
4" Oval Head Diagonal Cutter/Standard Beveled Edges	54CGVN
5 1/4" Wire Stripper (22-8 AWG)	-
5 1/2" Straight Nose Seizer/Serrated Jaws	42HVN
5 11/16" Needle Nose Pliers/with Coil Spring/Serrated Jaws	57CGVN
6" All-Purpose Oval Head Diagonal Cutter/Standard Beveled Edges	66CGNN
6" Gripping & Looping Pliers with Cutter/Serrated Jaws	51CGNN
6" Adjustable Wrench	-
7" Plier/Straight Jaws	-
8" Electrician's Chain Nose Plier/Serrated Jaws	59CGNN
Utility Plier	50CGV
Electrician's Snips	86NCG
Electrician's Knife	-

Tool Sets	
#00 Mini Phillips® Screwdriver	M60 N
0.040" Mini Slotted Screwdriver	
0.055" Mini Slotted Screwdriver	
0.070" Mini Slotted Screwdriver	
0.080" Mini Slotted Screwdriver	
0.1" Mini Slotted Screwdriver	
Mini Torque Amplifier Handle	
Offset Ratchet Screwdriver Set, 5 Pieces	XL75VN

Soldering Tips	Order No.
Conical Soldering Tip 0.4 mm for WLIR60, 3 Pieces	WLTC04IR60
Tool Case	
Tool Case	



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10MN	28	991N	42	996N	43	99MPN	50
13MMN	27	991BKN	42	996BKN	43	99MPKN	50
134CG	65	991RN	42	996MMN	43	99PAN	54
2178MVN	65	991VN	42	9961N	46	99PA50N	49
378MVN	66	9910BKN	43	9962N	46	99PRN	49
378SMMVN	66	9910MMN	43	9963N	46	99PS40BPN	53
413MMN	34	9910MMBKN	43	9964N	45	99PS41MMBPN	53
42HVN	110	9910XTDN	47	9966N	46	99PS40N	52
51CGNN	93	9911MMN	43	996XTDN	47	99PS41MMN	52
55CGNN	76	9911BKN	43	997N	43	99PS50N	51
55MMN	43	9912N	43	997BKN	43	99PS51MMN	51
57CGVN	93	9912BKN	43	997MMN	43	99PS60N	53
59CGNN	95	99125N	44	9971MMN	45	99SMN	48
600VN	38	99125BKN	44	9972MMN	45	99SMKN	48
66CGNN	75	9914BKN	43	9973MMN	45	99X5N	54
7MMN	43	9915XTDN	47	9974MMN	45	99X5BKN	54
8MMN	43	9916N	43	9975MMN	45	99X10N	54
86NCG	107	9916BKN	43	9976MMN	45	99X10BKN	54
		992N	42	99764N	45	99XTD7N	52
		9920N	45	99764BPN	46		
		9920BPN	46	998N	43		
		9920XTDN	47	998BKN	43		
		9921N	45	998N	43		
		9921BPN	46	998BKN	43		
		9922N	45	998MMN	43		
		9922BPN	46	99811N	44		
		9922BKN	45	99811BKN	44		
		9923N	45	99820N	44		
		9923BPN	46	99820BKN	44		
		9924N	45	99821N	44		
		9924BPN	46	99821BKN	44		
		9924BKN	45	99822N	44		
		9925N	45	99822BKN	44		
		99250N	44	998XTDN	47		
		99250BKN	44	999BKN	43		
		9925BPN	46	999MMN	43		
		9925BKN	46	999MMBKN	43		
		9925XTDN	47	99964BPN	46		
		9926N	45				
		9926BPN	46				
		99312N	44				
		9938N	55				
		994N	42				
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CN255GN	81	MS545JVN	78	S55KSNN	77	X1010N	23
CN255VN	80			SAS3210	106	X101N	22
CN54GN	84	NN542N	87	SAS3210TRB	106	X101BKN	22
CN55GN	85	NN54VN	88	SDR11N	30	X102N	22
CN7776N	91	NN54GVN	88	SDX22N	30	X102BKN	22
		NN55VN	89	SD3VN	31	X1020N	23
DN54GVN	86	NN55GN	89	SN54N	94	X103N	22
DCT300VN	108	NN7776VN	92	SN55VN	95	X108N	22
		NN7776GN	92	SX101N	22	X108BKN	22
EC54JN	76			SX102N	22	XL70N	35
ELN54N	83	P1N	24	SX102BKN	22	XL75VN	35
ELN54GN	83	P4N	29			XN100	100
		P5N	29	T25N	36	XN200	100
FSD1N	39	P6N	29	T9914N	43	XNS100	101
		P8N	29	T9965BKN	46	XNB101	102
GA54JVN	94	P10N	29	T993N	42	XNB103	102
		P12SN	23	T99KN	49	XNB103B	102
HS6N	26	P3321N	21	T99964N	45	XNB105	102
HS7N	26	PS120N	33	T9911N	43	XNB201	103
HS10N	26	PS121MMN	33	T999N	43	XNB203	103
HS11N	26	PS130N	34	T9910N	43	XNB205	103
HS12N	26	PS88N	32	TCR2N	38	XPE101	10
HS14N	26	PS89N	33	TCMB100STWN	114	XPE102	10
HS16N	26	PS90MMN	33	TCMB100MTW	114	XPE144	11
HS18N	26			TCMB100MT	115	XPE184	11
HS618N	34	R144N	20	TCS100STN	115	XPE3166	11
HTA2N	36	R146N	20	TCMB100STN	115	XPE5324	11
		R1410N	20	THS8N	26	XPE500	14
L10MVN	28	R181N	21	THS9N	26	XP600	12
L4VN	86	R182N	20	TL10N	27	XPE700	15
L4GN	87	R183N	20	TL11N	27	XPMB8	16
L8N	27	R184N	20	TL12N	27	XPND600	13
L8MN	28	R186N	20	TP19N	25	XPTX600	13
LN21N	25	R188N	20	TP20N	25	XST100N	24
LN225N	80	R1810N	20	TSD1VN	39	XST101N	24
LN23N	25	R3163N	20			XST1010N	24
LN54VN	81	R3164N	20			XST102N	24
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LN542N	82	R3168N	20			XST3N	31
LN54GVN	82	R3322N	21				
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LN774512N	90	R3323N	21				
LN775512VN	90	R3324N	21				
LN775512GN	91	R388N	20				
		R5166N	20				
		R5168N	20				
		R5323N	20				
		R5324N	20				
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