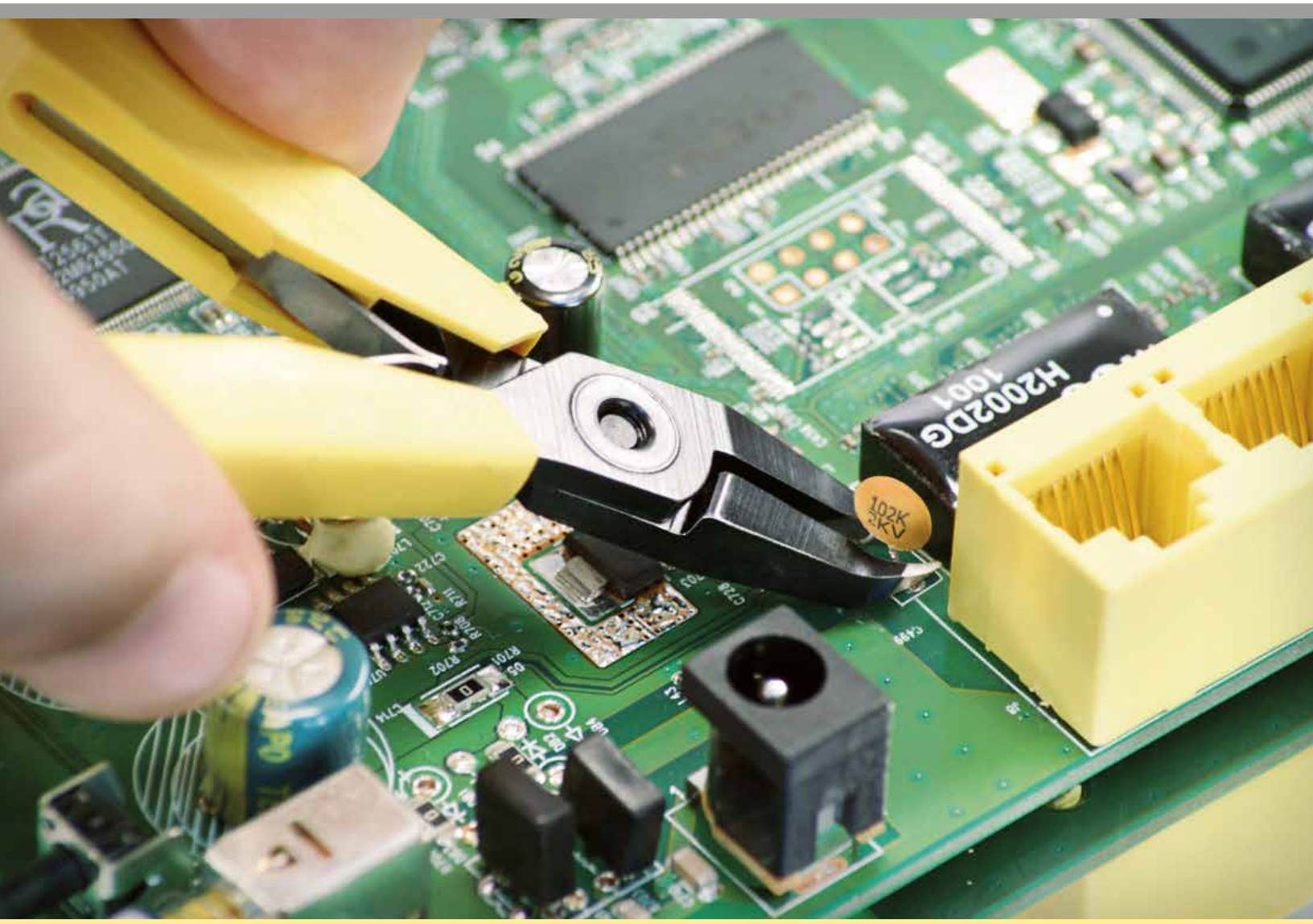
LINDSTRÖM®
ELECTRONICS



Electronics Assembly | Electronics Disassembly | Micro Electronics | Integrated Circuits | Transistors | Conductors | Semiconductors | PCB | Audio Electronics |Telecommunications | Power Electronics | Bio Electronics

Welcome to the Lindström World of High Precision

LINDSTRÖM SINCE 1856

Lindström is the oldest continuous manufacturer of handtools in existence and yet one of the most forward-looking brands in the world.

We developed the scientific approach to handtool design and created the first truly ergonomic pliers and cutters. We have created more than 1,500 unique tool designs, many of which are now standard types in the electronics and medical device manufacturing industries. Some competitors have been able to implement one facet or another of our manufacturing process. Others have copied the form, appearance and actual part numbers of Lindström tools. However, none have been able to successfully blend all the elements required to achieve the level of performance recognized as true Lindström Precision Tools.

Thank you for choosing to be a Lindström customer.
Lindström Team.

Electronics

Since the early days of the electronics era Lindström has been the brand of choice for manufacturers performing high volume work for critical applications.

As these industries matured devices shrank in size and increased in complexity Lindström developed new profiles on pliers and cutters to meet industry demands:

- Ultra-Flush® cutters for anti-shock military applications
- Tapered and relieved cutters to get in between and under tiny components
- Extra-small tip cutters for microscopy applications

Still, the most valued feature of Lindström tools is high quality, from the famous Swedish steel to the attention to details like fit and finish.

RX-8248 Flush cutters: 45° angled tips, long 18 mm jaws for improved access.

341A cut and form pliers put stress relief in component lead and trims to length with one squeeze.

51S-NC-ET tweezers: soft ESD safe, clean-room compatible Ergo-Touch grips.

7892 Supreme bent nose pliers provide good reach and a non-marring gripping surface. Users gain better visibility and can operate with a comfortable wrist position with our 60° bent tip pliers.

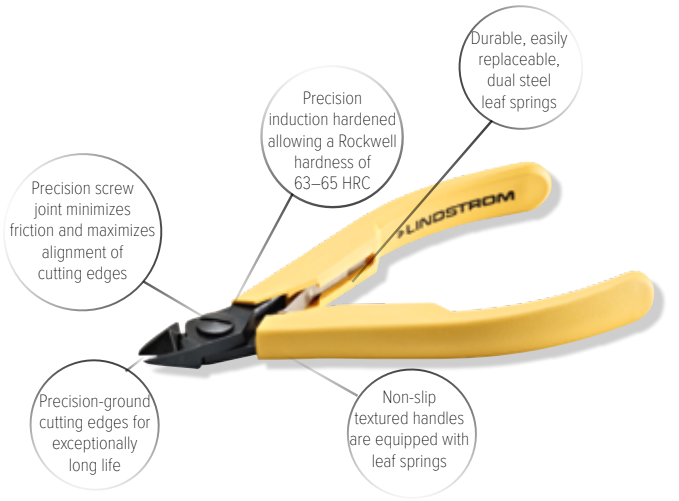
8140 oval head cutter and 7891 chain nose pliers are used extensively for wire harness work and assembly.

RX-8148 Ultra-Flush® diagonal cutter with tapered and relieved head is ideal for use in confined spaces and for rework.

DIAGONAL PRECISION CUTTERS

Lindström cutters are designed to perform with ease, minimize operator fatigue and improve productivity. Through symmetric components, exact adherence to specifications and consistent hardening, Lindström delivers hallmark reliability. The use of ball-bearing grade steel and appropriate heat treatment methods ensures Lindström cutters last longer than other brands used in the same applications. Lindström cutters are elevated to a hardness of 63-65 HRC on the cutting edge. For most manufacturers this hardness level would create a high breakage rate. Yet because of the steel and proper consistency, even when used beyond the rated capacity (as they often are!), Lindström cutters have remarkably little breakage.

Also available in Mono-Material and Cushion Grip Handles.



EDGE PRECISION SHEAR CUTTERS

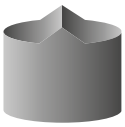
Lindström expands its range of precision cutters and pliers with EDGE, presenting a new series of affordable shear cutters. A combination of durability, precision, performance and comfort designed to meet the daily cutting needs of any professional.

Cutters

Lindström cutters are designed to perform with ease, minimize operator fatigue and improve productivity. Through symmetric components, exact adherence to specifications and consistent hardening, Lindström delivers hallmark reliability.

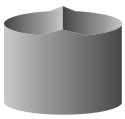
The Lindström formula for success, refined over the last 165 years, rests upon the proprietary recipe for the steel from which we make our tools, very similar to that used to manufacture high-performance ball-bearings. The use of ball-bearing grade steel and appropriate heat treatment methods ensures Lindström cutters last longer than other brands used in the same applications. Lindström cutters are elevated to a hardness of 63-65 HRC on the cutting edge. For most manufacturers this hardness level would create a high breakage rate. Yet because of the steel and proper consistency, even when used beyond the rated capacity (as they often are!), Lindström cutters have remarkably little breakage.

PRECISION CUTTING: EDGE BEVEL / CUT RESULT



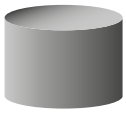
Micro-Bevel®
MICRO PEAK

- Designed to meet the high quality requirements of our customers
- Leaves a low profile cut result, important for solderability and connectivity
- Unique design with wide cutting range to suit an unmatched variety of uses



Flush
NANO PEAK

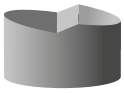
- Cut result leaves a narrow and short peak along the "pinch" line, decreasing the surface area at the cut
- Improves solderability
- Excellent for reducing lead-shock



Ultra-Flush®
NO PEAK

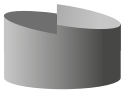
- The finest cut result available with the smoothest lead-end result
- Exceptional solderability
- Ultimate choice for minimizing component and lead-shock

SHEAR CUTTING: EDGE BEVEL / CUT RESULT



Micro EDGE

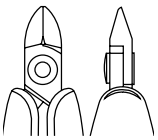
- By-pass technology: the blades are marginally misaligned by a mere 0.2 mm
- The specific blade misalignment mitigates wear and prolongs their service life, as the blades never come into contact with one another
- Delivers a flat cut with a fraction of a peak measuring less than 0.2 mm, for applications where durability is a priority



Flush EDGE

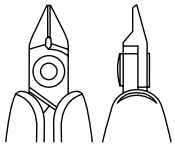
- By-pass technology: the blades are marginally misaligned by a mere 0.2 mm
- Excellent for lead-shock applications and improves solderability
- Delivers a clean, flush cut for applications where precision is of paramount importance

HEAD TYPE



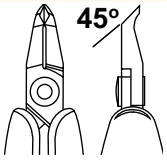
O / Oval

- The most common shape combining strength and durability
- Evenly distributes cutting impact
- Used for a wide variety of applications



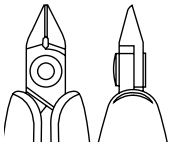
T&R / Tapered & Relieved

- Tapered on both sides with underside cut away
- Minimal profile offers access to very limited spaces



A / Angle /Oblique

- Used under and between low profile, fine lead pitch components

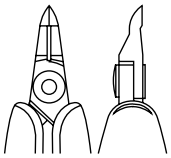


T / Tapered

- The sides are shaped along diagonal lines
- Improved access where space is limited
- Improved maneuverability with good tool life

Unique Head

- Unique cutting heads developed together with specific end-user to solve critical applications
- Lindström exclusive heads only available within our range



TP / Tip

- Specialized adaption allows maximum access and reach
- Extremely small oval head shape for added strength at the tip

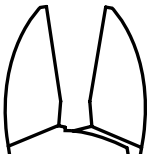
High Cutting Capacity — **Limited Access, Low Visibility**

HEAD SIZES

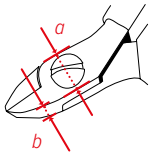
XS Extra Small
(a) 8.0 / 0.31
(b) 5.0 / 0.20

S Small
(a) 10.0 / 0.39
(b) 6.0 / 0.24

M Medium
(a) 12.5 / 0.49
(b) 6.0 / 0.24



L Large
(a) 16.0 / 0.63
(b) 8.0 / 0.31



SIZE
Width (a) (mm / inch)
Thickness (b) (mm / inch)

Diagonal Cutters

		XS	S	M	L
Oval	Micro-Bevel®	RX-8130 / 8130 / HS-8130	RX-8140 / 8140 / HS-8140	RX-8150 / 8150 / HS-8150	RX-8160 / 8160 / HS-8160
	Flush	RX-8131 / 8131 / HS-8131	RX-8141 / 8141 / HS-8141	RX-8151 / 8151 / HS8151	RX-8161 / 8161 / HS-8161
	Ultra-Flush®	RX-8132 / 8132 / HS-8132	RX8142 / 8142 / HS-8142	RX-8152 / 8152 / HS8152	RX8162 / 8162 / HS-8162
Tapered	Micro-Bevel®	RX-8133 / 8133 / HS-8133	RX-8143 / 8143 / HS-8143	RX8153 / 8153 / HS8153	RX-8163 / 8163 / HS-8163
	Flush	RX-8134 / 8134 / HS-8134	RX-8144 / 8144 / HS-8144	RX8154 / 8154 / HS8154	RX-8164 / 8164 / HS8164
	Ultra-Flush®	8135 / HS-8135	RX-8145 / 8145 / HS-8145	RX8155 / 8155 / HS8155	RX8165 / 8165 / HS8165
Tapered & Relieved	Micro-Bevel®	RX-8136 / 8136 / HS-8136	RX-8146 / 8146 / HS8146	RX8156 / 8156 / HS8156	RX-8166 / 8166 / HS-8166
	Flush	RX8137 / 8137 / HS-8137	RX-8147 / 8147 / HS8147	RX8157 / 8157 / HS8157	RX8167 / 8167 / HS-8167
	Ultra-Flush®	RX8138 / 8138 / HS-8138	RX-8148 / 8148 / HS-8148	RX-8158 / 8158 / HS8158	RX-8168 / 8168 / HS-8168
	Extra Accessibility	RX8137MX / RX8138MX			
Hard Materials	Extra Sharp Edges		RX8140PS / RX8141PS / RX8142PS	RX8150PS / 8150PS	RX8160PS / 8160PS
	Extra Durability		RX8140M2 /8140M2	RX8150M2 / 8150M2	RX8160M2 / 8160M2
	Bullnose Head			RX8151BPS	RX8160BPS
	Carbide Cutter			7154TC	
	Heavy Duty Cutter				TRX-8180

**Lead catcher choosable for all models. Check page 14-15*

Shear Cutters

	M
Micro EDGE	6151
FLush EDGE	6152 / 6152SS
Oblique	6258
Pointy	6159
Multipurpose	HS6000 / HS6001

Oblique Cutters

11 Degrees Angle	7290 / 7291 - Micro-Bevel® / Flush
11 Degrees Angle Short	7293
20 Degrees Angle	8211 / RX8211
45 Degrees Angle	RX8247 / 8247 II RX-8248 / 8248 / 8248
End Cutter	7292 / 7292G - Standard / Slim
Reverse Angle	7280 / 7285

Tip Cutters

Tip Cutter	RX-8149 / 8149
Micro Tip Cutter	RX8233A / RX8234A / RX8237A

To learn about cutting capacities and additional details go to the pages 14-15 or visit our website

Handle

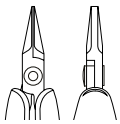
RX / Bi-Material	80 Series / Mono-Material Cutters	SUP Supreme Series Oblique / Holding Pliers	HS HS Series / Cushion Grip	EDGE
				

Pliers

Pliers replicate the function of the human hand, with greatly increased capability, in particular the thumb and index finger, in terms of force and precision. Holding pliers are available in almost unlimited shapes, styles, configurations, materials and sizes. Lindström's well renowned precision holding pliers are offered in three different series, each able to satisfy the most advanced needs of the professional user: RX Series, Supreme Series, HS Series.

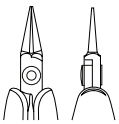
Robust yet precise, Lindström pliers provide an excellent solution to a wide range of application challenges. A variety of handle styles, consistent balance and fine workmanship set our pliers apart from the rest.

SHAPE - MODELS FOR EVERY APPLICATION



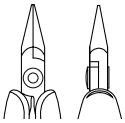
Flat Nose = FN

- Flat square shape with parallel jaws provide the most surface area of standard pliers shapes
- Favored by chainmaille artists



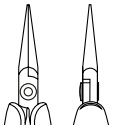
Round Nose = RN

- Round jaws taper from 7 mm to 1.0 mm at the tips
- Handy for closing loops and the finest wire work



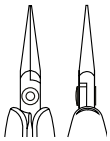
Snipe Nose = SN

- Shorter version of the chain nose, with the best gripping strength
- Used where power and torsion are paramount for the application



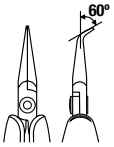
Chain Nose = CN

- Versatile tips with Lindström's standard perfect joint and tip alignment
- Named for the work it does so well



Needle Nose = NN

- Slimmer, more tapered version of chain nose design
- Allows wire loop work farther into the jaws for better grip and control



Bent Nose = BN

- Classic variation of the chain nose, with 60° bend at the tips
- Suited for positioning components or precise chain work

TIP SHAPE (END VIEW)

Flat tip

- Squared and parallel ends of the jaws
- A balance of strength and beauty, evident of tool making craftsmanship

Round/Flat tip

- Like a tiny ball peen hammer and anvil, these tips are all business

Round tip

- End view of the tips are perfect circles
- Lindström's precision screw joint is the reason these fine tips achieve alignment

Chain Nose Tip

- Designed to bend wire, these tips align like D-shaped pinchers

JAW SURFACE OR EDGE

Smooth surface

- Finely milled and polished just enough to retain grip on wire

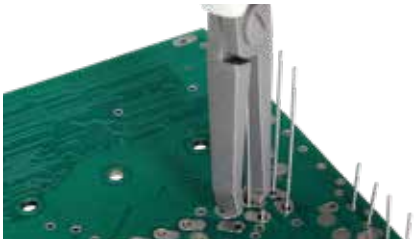
Serrated surface

- Finely honed serrations allow extra "bite" for handling tricky materials
- Cross-hatch serrations prevent objects from rolling into a groove

Our range of precision holding pliers have been specifically designed to bend wires ensuring, positioning components with the best gripping strength in the market

SHAPE	BI-MATERIAL	MONO-MATERIAL	CUSHION GRIP
Flat Nose	RX-7490	7490	HS7490
Round Nose	RX-7590	7590	HS-7590
Chain Nose	RX7890	7890	HS-7890
Bent Nose	RX7892	7892	HS-7892
Snipe Nose	RX-7893	7893	HS-7893
Needle Nose	RX-7894	7894	HS-7894

STANDOFF CUTTERS



Straight Standoff Shear Cutter 0.075 in

111A

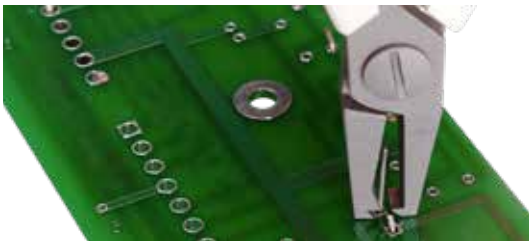
- Uncut lead length capacity: 1.000 in / 25.4 mm
- Cuts leads to length as needed
- To order other than 0.075 in standoff, specifiy length (Example: For 0.065 in standoff, order Part No. 111A-065)

Oblique Standoff Shear Cutter 0.045 in

121A

- Similar to 111A, heavy-duty type, featuring a 45° angle to allow clearance for longer lead lengths
- Standoff is 0.045 in (1.14 mm) unless otherwise specified
- To order other than 0.045 in standoff, specify length (Example: For 0.035 in standoff, order Part No. 121A-035)

CUT and BEND



Straight Cut, Bend And Clench 0.060 in 20°

202A

- Cuts leads to 0.060 in (1.52 mm) and bends them at a 20° angle
- To order other than 0.060 in and 20° indicate, cut lead length and angle (Example: For 0.050 in length and 30° angle, order Part No. 202A-050 30°)

CUT and FORM

Cut And Form – Up To 18 Awg

331A

- Cuts leads and forms dogleg on solid copper as large as 18 AGW (1 mm)
- To order, furnish component or rough drawing indicating lead length, radii, diameter and bend locations

Leadformer – stress relief up to 18 AWG

601A

- Forms leads for stress relief up to 18 AWG (1 mm) solid copper
- To order, indicate lead length (minimum/maximum) from component body to P.C. board and lead diameter

ESD Safe Screwdrivers

ESD SAFE

The requirements for the ESD Safe screwdrivers are specified in the European Standard IEC 61340. One of these requirements is a handle manufactured from a specific electrically conductive material to discharge uniformly. The Electrical Surface Resistance of the ESD Material amounts to 106-109 Ohm (Dissipative materials). This protects components against electricity and associated damage.

Lindström ESD Precision Screwdrivers satisfy this standard and also the most demanding requirements expected from any critical and technological industry.

QUALITY

Lindström ESD Safe Precision Screwdrivers are manufactured using a Chrome, Molybdenum-Vanadium alloy steel blade and hardened to 60 HRC providing the best wear resistance in the market. The high quality steel is combined with a precision machined black tip manufactured to exacting standards with guaranteed accurate dimensions in the tip.

The result is a screwdriver that delivers a precise fit with perfect engagement on the fastener while providing superior durability over a long life span.

DESIGN

For 165 years; design, comfort and safety have been part of our DNA. The new ESD Safe Precision Screwdriver ergonomic handle combines two materials including a thermostatic elastomer in the critical gripping area, resulting in the most comfortable handle on the market.

The handle´s rotating head allows the tip to be perfectly positioned for fast comfortable finger movement during turning. The easy-movement rotating cap ensures rapid rotation and precise control.

Screwdriver Sets

Part No.	Description	Pieces	Sizes
801-7ESD	Precision Screw Set 7Pcs	SET 7 pcs	1.5; 2; 2.5; 3; PH00; PH0; PH1
803-7ESD	Precision Screw Set 7Pcs	SET 7 pcs	T6; T7; T8; T9; T10; T15; T20

Loose items

Part No.	Description	Profile	Size x Length	Sizes
800-1.5-50ESD	Precision Screw Flat 1.5 X 50	Flat	1.5 x 50	Slotted 1.5 mm
800-2-50ESD	Precision Screw Flat 2.0 X 50	Flat	2.0 x 50	Slotted 2.0 mm
800-2.5-50ESD	Precision Screw Flat 2.5 X 50	Flat	2.5 x 50	Slotted 2.5 mm
800-3-50ESD	Precision Screw Flat 3.0 X 50	Flat	3.0 x 50	Slotted 3.0 mm
801-00-50ESD	Precision Screw PH 00 X 50	Phillips	00 x 50	Phillips 00
801-0-50ESD	Precision Screw PH 0 X 50	Phillips	0 x 50	Phillips 0
801-1-75ESD	Precision Screw PH 1 X 75	Phillips	1 x 75	Phillips 1
803-6-50ESD	Precision Screw Torx® 6 X 50	Torx®	T6 x 50	Torx® 6
803-7-50ESD	Precision Screw Torx® 7 X 50	Torx®	T7 x 50	Torx® 7
803-8-50ESD	Precision Screw Torx® 8 X 50	Torx®	T8 x 50	Torx® 8
803-9-50ESD	Precision Screw Torx® 9 X 50	Torx®	T9 x 50	Torx® 9
803-10-50ESD	Precision Screw Torx® 10 X 50	Torx®	T10 X 50	Torx® 10
803-15-75ESD	Precision Screw Torx® 15 X 75	Torx®	T15 X 75	Torx® 15
803-20-75ESD	Precision Screw Torx® 20 X 75	Torx®	T20 X 75	Torx® 20
805-TS1-50ESD	Precision Pentalobe TS1 X 50	Pentalobe	TS1	Pentalobe TS1 (0.8mm)
805-TS4-50ESD	Precision Pentalobe TS4 X 50	Pentalobe	TS4	Pentalobe TS4 (1.2mm)
805-TS5-50ESD	Precision Pentalobe TS5 X 50	Pentalobe	TS5	Pentalobe TS5 (1.5mm)

ESD Safe Torque Screwdriver

- ESD safe (IEC 61340-5-1)
- Torque limiting clutch prevents over application of force to fastener
- 1/4” Hexagon anti-magnetic spring loaded bit holder to avoid ESD damage to sensitive equipment or components in electronic applications
- Adjustable and Preset Torque Screwdriver, with all metal 3-lobe shaped handle
- Powder coat wrinkle finish provides positive grip
- Cam-over torque limiting clutch for repeatability
- Store driver in the protective case at lowest torque setting
- Accuracy meets or exceeds +/-6% over recommended usage period: 5.000 cycles or one year, whichever occurs first
- Clockwise torque measurement only. It can be used to loosen fasteners without affecting the internal mechanism
- Cam-Over technology provides tactile and audible feedback when torque values are reached
- Supplied with an internal declaration of conformity in compliance with International standards
- Standard adjustable drivers include SAE window scale
- ISO 6789, ISO 1174, ASME B107.300-2010
- Made in USA

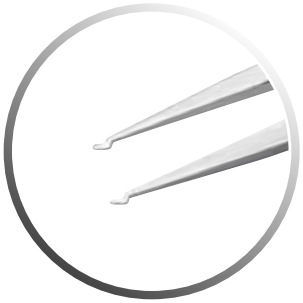
Part No.	cN-M	in-oz	in-lb		cN-M	A mm / in	B mm / in	C mm / in	D mm / in	kg
MAL500-1D	16-80 cNM	20-200 in-oz		1/4 in	1	5.43 / 138	18.2 / 0.72	28 / 1.10	9.6 / 0.38	0.2
MAL500-2D	40-200 cNM		3-15 lb-in	1/4 in	2	6.18 / 157	18.2 / 0.72	28 / 1.10	9.6 / 0.38	0.26
MAL500-3D	90-450 cNM		5-40 lb-in	1/4 in	5	6.73 / 171	18.2 / 0.72	32 / 1.26	9.6 / 0.38	0.308

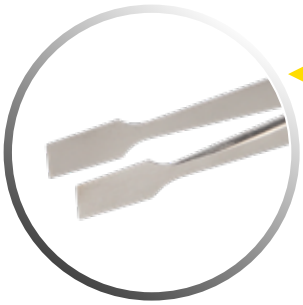
Part No.	cN-M	in-lb		A mm / in	B mm / in	C mm / in	D mm / in	kg
PS501-1D	4-22 cNM	6-32 in-oz	1/4 in	4.53 / 115	18.2 / 0.72	28 / 1.10	9.6 / 0.38	0.147
PS501-2D	7-70 cNM	10-100 in-oz	1/4 in	5.55 / 141	18.2 / 0.72	28 / 1.10	9.6 / 0.38	0.200
PS501-3D	15-170 cNM	1.5-15 in-lbs	1/4 in	5.55 / 141	18.2 / 0.72	28 / 1.10	9.6 / 0.38	0.198
PS501-4D	45-450 cNM	4-40 in-lbs	1/4 in	6.06 / 154	18.2 / 0.72	32 / 1.26	9.6 / 0.38	0.270

Lindström Tweezers styles for every application

BIOLOGY TWEEZERS

Lindström tweezers are designed for handling sensitive parts and components, for precision work with microscopic components and for processes involving extreme temperatures, chemicals and harsh conditions.





FLAT TIP TWEEZERS

The line includes flat-tip tweezers for a gentle handling with minimum pressure on delicate parts, with no risk of scratch.

SMD

Smooth handling and positioning of all SMD components.

Different tips and angles for specific applications.

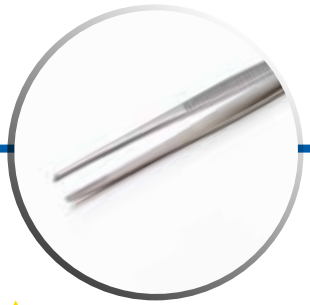
Good corrosion resistance to most chemicals & acids.

PLASTIC TIP TWEEZERS

Suitable to applications which require holding a component firmly.

The Carbon Fiber reinforced ESD Plastic provides the tweezers with ESD and non-scratching properties.

Suitable for Electronics and Medical Applications.

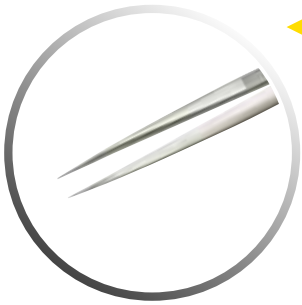


EXTRA STRENGTH, GENERAL PURPOSE

Large and strong tips with perfect balance, symmetry and alignment for demanding tasks of all types.

COMPONENT HANDLING

Anti-magnetic/anti-acid steel.



GENERAL PURPOSE

Very accurate finish for a wide variety of applications from electronics to bio medical uses. Extremely accurate serration quality. Different lengths, thicknesses and angles for every application. Stainless and/or anti-magnetic/anti-acid steel.

SUPER SLIM

Long and slender tweezers especially suited for reaching in tight spaces or for working near heat sources. Applications include moving, gripping and manipulating flat parts, substrates and wafers, handling of minute material and grids, heavy-duty and precision work near heat sources during manufacturing or repairing of electronic devices.

ECONOMY TWEEZERS

Competitively priced, high quality tweezers. ESD safe for secure use in electronics assembly. Anti-acid stainless steel for durable performance.

HIGH PRECISION

High precision tweezers are skillfully handcrafted to offer polished edges and a superior no-scratch/antiglare satin finish. Used for microscopic work, precision handling, repair and manufacturing of electronic machinery along with other general applications, high precision tweezers guarantee the perfect symmetry and balance of tips.

ESD SAFE TWEEZERS

Soft ESD safe ergonomic cushion grips (resistivity 109 Ohm) provide enhanced operator comfort and reduced finger stress when handling ESD sensitive components or small static items.

Rubber handles are recommended for use in Clean Rooms and controlled environments.

CUTTING TWEEZERS

Part No.		Material	L	L								
TL 15AGWHM-SA	15AGHM	Stainless Steel	115 mm	4,53 in	10 mm	0,39 in	12 mm	0,47 in	5 mm	0,2 in	10 mm	0,39 in
TL 15A	15A	Carbon Steel	120 mm	4,72 in	12 mm	0,47 in	15 mm	0,59 in	4,25 mm	0,17 in	12 mm	0,47 in
TL 15AGW	15AGW	Carbon Steel	115 mm	4,53 in	11 mm	0,43 in	15 mm	0,59 in	4,75 mm	0,19 in	10 mm	0,39 in

HIGH PRECISION TWEEZERS

Part No.		Shape	L	L								
TL 000-SA	000	Straight	120 mm	4,72 in	10 mm	0,39 in	12 mm	0,47 in	0,15 mm	0,01 in	0,2 mm	0,01 in
TL 00-SA	00	Straight	120 mm	4,72 in	10 mm	0,39 in	12 mm	0,47 in	0,5 mm	0,02 in	0,9 mm	0,04 in
TL 00B-SA	00B	Straight	120 mm	4,72 in	10 mm	0,39 in	12 mm	0,47 in	0,5 mm	0,02 in	0,9 mm	0,04 in
TL 00D-SA	00D	Straight	120 mm	4,72 in	10 mm	0,39 in	12 mm	0,47 in	0,5 mm	0,02 in	0,9 mm	0,04 in
TL 0C9-SA	0C9	Straight	90 mm	3,54 in	8 mm	0,32 in	9 mm	0,35 in	0,1 mm	0 in	0,15 mm	0,01 in
TL 1-SA	1	Straight	120 mm	4,72 in	10 mm	0,39 in	11 mm	0,43 in	0,1 mm	0 in	0,15 mm	0,01 in
TL 2A-SA	2A	Straight	120 mm	4,72 in	10 mm	0,39 in	11 mm	0,43 in	0,1 mm	0 in	1,9 mm	0,08 in
TL 3C-SA	3C	Straight	110 mm	4,33 in	9,5 mm	0,37 in	11 mm	0,43 in	0,12 mm	0,01 in	0,18 mm	0,01 in
TL 3-SA	3	Straight	120 mm	4,72 in	10 mm	0,39 in	11 mm	0,43 in	0,12 mm	0,01 in	0,18 mm	0,01 in
TL 5-SA	5	Straight	110 mm	4,33 in	10 mm	0,39 in	11 mm	0,43 in	0,07 mm	0 in	0,12 mm	0,01 in
TL 51S-SA	51S	Straight	115 mm	4,53 in	10 mm	0,39 in	11 mm	0,43 in	0,08 mm	0 in	0,13 mm	0,01 in
TL SS-SA	SS	Straight	140 mm	5,51 in	8 mm	0,32 in	12 mm	0,47 in	0,08 mm	0 in	0,13 mm	0,01 in
TL 7A-SA	7A	Straight	118 mm	4,72 in	10 mm	0,39 in	11 mm	0,43 in	0,15 mm	0,01 in	0,25 mm	0,01 in
TL 7-SA	7	Curved	118 mm	4,72 in	10 mm	0,39 in	11 mm	0,43 in	0,09 mm	0 in	0,16 mm	0,01 in
TL 5B-SA	5B	Bent	110 mm	4,33 in	10 mm	0,39 in	11 mm	0,43 in	0,08 mm	0 in	0,13 mm	0,01 in
TL 65A-SA	65A	Bent	140 mm	5,51 in	8 mm	0,32 in	11 mm	0,43 in	0,09 mm	0 in	0,15 mm	0,01 in
TL 34A-SA	34A	Flat	120 mm	4,72 in	10 mm	0,39 in	11 mm	0,43 in	0,17 mm	0,01 in	6,3 mm	0,25 in
TL 6-SA	6	Angled	117 mm	4,61 in	10 mm	0,39 in	11 mm	0,43 in	0,12 mm	0,01 in	0,16 mm	0,01 in

COATED TWEEZERS

Part No.		Shape	L	L								
TL 00-SA-ET	00-SA	Straight	123 mm	4,84 in	15 mm	0,59 in	18 mm	0,71 in	0,5 mm	0,02 in	0,9 mm	0,04 in
TL 2A-SA-ET	2A-SA	Straight	123 mm	4,84 in	15 mm	0,59 in	16 mm	0,63 in	0,3 mm	0,01 in	2 mm	0,08 in
TL 3-SA-ET	3	Straight	123 mm	4,84 in	15 mm	0,59 in	16 mm	0,63 in	0,2 mm	0,01 in	0,25 mm	0,01 in
TL 3C-SA-ET	3C-SA	Straight	112 mm	4,41 in	14 mm	0,55 in	15 mm	0,59 in	0,2 mm	0,01 in	0,25 mm	0,01 in
TL 5-SA-ET	5-SA	Straight	112 mm	4,41 in	15 mm	0,59 in	16 mm	0,63 in	0,2 mm	0,01 in	0,2 mm	0,01 in
TL AA-SA-ET	AA-SA	Straight	130 mm	5,12 in	15 mm	0,59 in	16 mm	0,63 in	0,5 mm	0,02 in	0,5 mm	0,02 in
TL SM116-SA-ET	SM116	Straight	115 mm	4,53 in	10 mm	0,39 in	11 mm	0,43 in	0,6 mm	0,02 in	0,85 mm	0,03 in
TL 7A-SA-ET	7A	Curved	122 mm	4,8 in	15 mm	0,59 in	15 mm	0,59 in	0,25 mm	0,01 in	0,3 mm	0,01 in
TL 7-SA-ET	7-SA	Curved	122 mm	4,8 in	15 mm	0,59 in	15 mm	0,59 in	0,25 mm	0,01 in	0,3 mm	0,01 in

PLASTIC REPLACEABLE TIP TWEEZERS

Part No.		Shape	L	L								
TL 242CFR-SA	242CFR	Straight	130 mm	5,12 in	10 mm	0,39 in	15 mm	0,59 in	0,5 mm	0,02 in	1,7 mm	0,07 in
TL 249CFR-SA	249CFR	Straight	130 mm	5,12 in	10 mm	0,39 in	15 mm	0,59 in	1 mm	0,04 in	2 mm	0,08 in
TL 259 CFR-SA	259CFR	Straight	130 mm	5,12 in	10 mm	0,39 in	15 mm	0,59 in	0,6 mm	0,02 in	0,6 mm	0,02 in
TL 259CPR-SA	259CPR	Straight	130 mm	5,12 in	10 mm	0,39 in	15 mm	0,59 in	0,6 mm	0,02 in	0,6 mm	0,02 in
TL 00CFR-SA	00CFR	Straight	130 mm	5,12 in	10 mm	0,39 in	15 mm	0,59 in	1 mm	0,04 in	1 mm	0,04 in
TL 259SVR-SA	259SVR	Straight	130 mm	5,12 in	10 mm	0,39 in	15 mm	0,59 in	0,6 mm	0,02 in	0,6 mm	0,02 in
TL 2ACFR-SA	2ACFR	Straight	130 mm	5,12 in	10 mm	0,39 in	15 mm	0,59 in	0,5 mm	0,02 in	2 mm	0,08 in
TL 5CF-SA	5CFR	Straight	130 mm	5,12 in	10 mm	0,39 in	15 mm	0,59 in	0,5 mm	0,02 in	0,5 mm	0,02 in
TL 5CFR-SA	5CFR	Straight	130 mm	5,12 in	10 mm	0,39 in	15 mm	0,59 in	0,5 mm	0,02 in	0,5 mm	0,02 in
TL 5CPR-SA	5CPR	Straight	130 mm	5,12 in	10 mm	0,39 in	15 mm	0,59 in	0,5 mm	0,02 in	0,5 mm	0,02 in
TL 5SVR-SA	5SVR	Straight	130 mm	5,12 in	10 mm	0,39 in	15 mm	0,59 in	0,5 mm	0,02 in	0,5 mm	0,02 in
TL 7CPR-SA	7CPR	Curved	130 mm	5,12 in	10 mm	0,39 in	15 mm	0,59 in	0,5 mm	0,02 in	0,5 mm	0,02 in
TL 7SVR-SA	7SVR	Curved	130 mm	5,12 in	10 mm	0,39 in	15 mm	0,59 in	0,5 mm	0,02 in	0,5 mm	0,02 in
TL 7CFR-SA	7CFR	Curved	130 mm	5,12 in	10 mm	0,39 in	15 mm	0,59 in	0,5 mm	0,02 in	0,5 mm	0,02 in

GENERAL PURPOSE TWEEZERS

Part No.		Shape										
TL 475-SA	475	Straight	136 mm	5,35 in	10 mm	0,39 in	12 mm	0,47 in	1,9 mm	0,08 in	3 mm	0,12 in
TL 648-SA	648	Straight	155 mm	6,1 in	8 mm	0,32 in	14 mm	0,55 in	0,8 mm	0,03 in	0,8 mm	0,03 in
TL 124-SA	124	Bent	150 mm	5,91 in	14 mm	0,55 in	12 mm	0,47 in	0,8 mm	0,03 in	0,9 mm	0,04 in
TL 649-SA	649	Bent	154 mm	6,1 in	14 mm	0,55 in	14 mm	0,55 in	0,8 mm	0,03 in	0,8 mm	0,03 in

COMPONENTS POSITIONING TWEEZERS

Part No.		Shape										
TL 578-SA	578	Straight	120 mm	4,72 in	9 mm	0,35 in	10 mm	0,39 in	1,3 mm	0,05 in	4 mm	0,16 in
TL 582-SA	582	Straight	115 mm	4,53 in	10 mm	0,39 in	13 mm	0,51 in	0,9 mm	0,04 in	3,5 mm	0,14 in

SMD TWEEZERS

Part No.		Shape										
TL SM 104-SA	SM104	Straight	120 mm	4,72 in	10 mm	0,39 in	11 mm	0,43 in	0,35 mm	0,01 in	1,7 mm	0,07 in
TL SM 105-SA	SM105	Straight	120 mm	4,72 in	10 mm	0,39 in	11 mm	0,43 in	0,35 mm	0,01 in	1,6 mm	0,06 in
TL SM106-SA	SM106	Straight	120 mm	4,72 in	11 mm	0,43 in	11 mm	0,43 in	0,25 mm	0,01 in	3,8 mm	0,15 in
TL SM 108-SA	SM108	Straight	120 mm	4,72 in	10 mm	0,39 in	11 mm	0,43 in	0,3 mm	0,01 in	1,5 mm	0,06 in
TL SM 109-SA	SM109	Straight	120 mm	4,72 in	10 mm	0,39 in	11 mm	0,43 in	0,3 mm	0,01 in	1,1 mm	0,04 in
TL SM 110-SA	SM110	Straight	120 mm	4,72 in	10 mm	0,39 in	11 mm	0,43 in	0,45 mm	0,02 in	2 mm	0,08 in
TL SM 111-SA	SM111	Straight	115 mm	4,53 in	10 mm	0,39 in	11 mm	0,43 in	0,5 mm	0,02 in	1,5 mm	0,06 in
TL SM116-SA	SM116	Straight	115 mm	4,53 in	10 mm	0,39 in	11 mm	0,43 in	0,6 mm	0,02 in	0,85 mm	0,03 in

BENT TIPS

Part No.		Shape										
TL SM 107-SA	SM107	Bent	120 mm	4,72 in	10 mm	0,39 in	11 mm	0,43 in	0,15 mm	0,01 in	1,4 mm	0,06 in

ANGLE TIPS

Part No.		Shape										
TL SM 103-SA	SM103	Angled	115 mm	4,53 in	14 mm	0,55 in	11 mm	0,43 in	0,35 mm	0,01 in	1,6 mm	0,06 in
TL SM 115-SA	SM115	Angled	115 mm	4,53 in	10 mm	0,39 in	11 mm	0,43 in	0,6 mm	0,02 in	0,85 mm	0,03 in
TL SM 117-SA	SM117	Angled	120 mm	4,72 in	11 mm	0,43 in	11 mm	0,43 in	0,4 mm	0,02 in	1,5 mm	0,06 in

ECONOMY TWEEZERS

Part No.		Shape										
TL 00-SA-SL	00	Economy	120 mm	4,72 in	10 mm	0,39 in	11 mm	0,43 in	0,25 mm	0,01 in	0,25 mm	0,01 in
TL 1-SA-SL	1	Economy	120 mm	4,72 in	10 mm	0,39 in	11 mm	0,43 in	0,2 mm	0,01 in	0,25 mm	0,01 in
TL 2-SA-SL	2	Economy	120 mm	4,72 in	10 mm	0,39 in	11 mm	0,43 in	0,25 mm	0,01 in	0,3 mm	0,01 in
TL 2A-SA-SL	2A	Economy	118 mm	4,65 in	10 mm	0,39 in	11 mm	0,43 in	0,3 mm	0,01 in	2 mm	0,08 in
TL 3-SA-SL	3	Economy	125 mm	4,92 in	10 mm	0,39 in	11 mm	0,43 in	0,2 mm	0,01 in	0,25 mm	0,01 in
TL 3C-SA-SL	3C	Economy	110 mm	4,33 in	9,5 mm	0,39 in	10 mm	0,43 in	0,2 mm	0,01 in	0,25 mm	0,01 in
TL 4-SA-SL	4	Economy	110 mm	4,33 in	10 mm	0,39 in	11 mm	0,43 in	0,2 mm	0,01 in	0,2 mm	0,01 in
TL 5-SA-SL	5	Economy	110 mm	4,33 in	10 mm	0,39 in	11 mm	0,43 in	0,2 mm	0,01 in	0,2 mm	0,01 in
TL 5A-SA-SL	5A	Economy	110 mm	4,33 in	10 mm	0,39 in	11 mm	0,43 in	0,2 mm	0,01 in	0,2 mm	0,01 in
TL AC-SA-SL	AC	Economy	110 mm	4,33 in	9,5 mm	0,39 in	12 mm	0,47 in	0,3 mm	0,01 in	0,4 mm	0,02 in
TL SS-SA-SL	SS	Economy	140 mm	5,51 in	8 mm	0,32 in	12 mm	0,47 in	0,2 mm	0,01 in	0,3 mm	0,01 in
TL AA-SA-SL	AA	Economy	128 mm	5,04 in	11,5 mm	0,45 in	11 mm	0,43 in	0,3 mm	0,01 in	0,5 mm	0,02 in
TL MM-SA-SL	MM	Economy	125 mm	4,92 in	11 mm	0,43 in	12 mm	0,47 in	0,25 mm	0,01 in	0,5 mm	0,02 in
TL 7-SA-SL	7	Economy	120 mm	4,72 in	10 mm	0,39 in	11 mm	0,43 in	0,25 mm	0,01 in	0,3 mm	0,01 in
TL 7A-SA-SL	7A	Economy	120 mm	4,72 in	10 mm	0,39 in	11 mm	0,43 in	0,25 mm	0,01 in	0,3 mm	0,01 in

CUTTERS

PLIERS

RX	80	SUP	HS	CO	M	SIZE	SHAPE	CUT RESULT OR SURFACE
RX-8130	8130		HS-8130			Extra Small	Oval	Micro-Bevel®
RX-8131	8131		HS-8131	CO8131		Extra Small	Oval	Flush
RX-8132	8132		HS-8132			Extra Small	Oval	Ultra-Flush®
RX-8133	8133		HS-8133			Extra Small	Tapered	Micro-Bevel®
RX-8134	8134		HS-8134			Extra Small	Tapered	Flush
	8135		HS-8135			Extra Small	Tapered	Ultra-Flush®
RX-8136	8136		HS-8136			Extra Small	Tapered & Relieved	Micro-Bevel®
RX8137	8137		HS-8137			Extra Small	Tapered & Relieved	Flush
RX8138	8138		HS-8138			Extra Small	Tapered & Relieved	Ultra-Flush®
RX-8140	8140		HS-8140	CO8140		Small	Oval	Micro-Bevel®
RX-8141	8141		HS-8141	CO8141		Small	Oval	Flush
RX8142	8142		HS-8142	CO8142		Small	Oval	Ultra-Flush®
RX-8143	8143		HS-8143			Small	Tapered	Micro-Bevel®
RX-8144	8144		HS-8144	CO8144		Small	Tapered	Flush
RX-8145	8145		HS-8145			Small	Tapered	Ultra-Flush®
RX-8146	8146		HS8146			Small	Tapered & Relieved	Micro-Bevel®
RX-8147	BAH8147		HS8147			Small	Tapered & Relieved	Flush
RX-8148	8148		HS-8148	CO8148		Small	Tapered & Relieved	Ultra-Flush®
RX-8149	8149		HS-8149			Small	Tip	Flush
RX-8150	8150		HS-8150	CO8150		Medium	Oval	Micro-Bevel®
RX-8151	8151		HS8151	CO8151		Medium	Oval	Flush
RX-8152	8152		HS8152			Medium	Oval	Ultra-Flush®
RX8153	8153		HS8153			Medium	Tapered	Micro-Bevel®
RX8154	8154		HS8154	CO8154		Medium	Tapered	Flush
RX8155	8155		HS-8155			Medium	Tapered	Ultra-Flush®
RX8156	BAH8156		HS-8156			Medium	Tapered & Relieved	Micro-Bevel®
RX8157	BAH8157		HS8157			Medium	Tapered & Relieved	Flush
RX-8158	BAH8158		HS-8158			Medium	Tapered & Relieved	Ultra-Flush®
RX-8160	8160		HS-8160	CO8160		Large	Oval	Micro-Bevel®
RX-8161	8161		HS-8161	CO8161		Large	Oval	Flush
RX8162	8162		HS-8162			Large	Oval	Ultra-Flush®
RX-8163	8163		HS-8163	CO8163		Large	Tapered	Micro-Bevel®
RX-8164	8164		HS8164			Large	Tapered	Flush
RX8165	8165		HS8165	CO8165		Large	Tapered	Ultra-Flush®
RX-8166	8166L		HS-8166			Large	Tapered & Relieved	Micro-Bevel®
RX8167	BAH8167		HS-8167			Large	Tapered & Relieved	Flush
RX-8168	BAH8168		HS-8168			Large	Tapered & Relieved	Ultra-Flush®
RX8211	8211		HS8211			Small	Angle 20°	Flush
RX8233A						Extra Small	Micro Tip 10°	Flush
RX8234A						Extra Small	Micro Tip 10°	Flush
RX8237A						Extra Small	Micro Tip 50°	Flush
RX8247	8247		HS-8247	CO8247		Small	Angle 45°	Flush
RX-8248	8248		HS-8248	CO8248		Small	Angle 45°	Flush
	8249					Small	Angle 45°	Flush
		7190		CO7190		Small	Tapered	Micro-Bevel®
		7191		CO7191		Small	Tapered	Flush
		7280	HS-7280			Small	Angle	Flush
			HS-7285			Small	Angle	Flush
		7290	HS-7290			Small	Angle	Micro-Bevel®
		7291	HS7291			Small	Angle	Flush
		7292	HS7292			Small	Transverse End	Flush
		7293	HS7293			Small	Angle	Flush
					7154TC	Medium	Tapered	Flush
RX8140M2					8140M2	Small	Oval	Micro-Bevel®
RX8150M2					8150M2	Medium	Oval	Micro-Bevel®
RX8160M2					8160M2	Large	Oval	Micro-Bevel®
					8154PSP	Medium	Tapered	Flush
RX8140PS					8140PS	Small	Oval	Micro-Bevel®
RX8141PS					8141PS	Small	Oval	Flush
RX8142PS					8142PS	Small	Oval	Ultra-flush®
RX8147PS					8147PS	Small	Tapered & Relieved	Flush
RX8150PS					8150PS	Medium	Oval	Micro-Bevel®
					8160PS	Large	Oval	Micro-Bevel®
RX8160BPS					8160BPS	Large	Oval	Micro-Bevel®
RX8161PS					8161PS	Large	Oval	Flush
	6151					Medium	Tapered	Micro EDGE
	6152					Medium	Tapered	Flush EDGE
	6152SS					Medium	Tapered	Flush EDGE
	6159					Medium	Pointy	Flush EDGE
	6258					Medium	Angle	Flush EDGE
RX7390						Small	Flat Nose Stubby	Smooth Tip
RX7392						Small	Oblique, Stubby	Smooth Tip
RX-7490		7490	HS7490	CO7490		Small	Flat Nose	Smooth Tip
RX-7590		7590	HS-7590	CO7590		Small	Round Nose	Smooth Tip
RX7890		7890	HS-7890	CO7890		Medium	Chain Nose	Smooth Tip
RX-7891		7891	HS-7891	CO7891		Medium	Chain Nose	Serrated Tip
7892RX		7892	HS-7892	CO7892		Medium	Bent Nose	Smooth Tip
RX-7893		7893	HS-7893			Small	Snipe Nose	Smooth Tip
RX-7894		7894	HS-7894			Large	Needle Nose	Smooth Tip

PART NUMBER	38 0.004 0.1	32 0.008 0.2	28 0.012 0.3	26 0.016 0.4	24 0.02 0.5	22 0.025 0.6	21 0.028 0.7	20 0.032 0.8	19 0.036 0.9	18 0.040 1.0	17 0.043 1.1	16.5 0.047 1.2	16 0.051 1.3	15 0.055 1.4	14.5 0.060 1.5	14 0.063 1.6	13.5 0.066 1.7	13 0.070 1.8	12.5 0.074 1.9	12 0.080 2.0	← Gauge ← Inch ← mm	LEAD CATCHER
8130																						✓
8131																						✓
8132																						✓
8133																						✓
8134																						✓
8135																						✓
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8168																						✓
8211																						✓
8233A																						
8234A																						
8237A																						
8247																						✓
8248																						✓
8249																						
7190																						✓
7191																						✓
7280																						
7285																						
7290																						
7291																						
7292																						
7293																						
7154TC																						
8140M2																						
8150M2																						
8160M2																						
8154PSP																						
8140PS																						
8141PS																						
8142PS																						
8147PS																						
8150PS																						
8160PS																						
8160BPS																						
8161PS																						
6151																						
6152																						
6152SS																						
6159																						
6258																						

Piano wire
Tensile strength of wire 2400 MPa

Hard wire: *Stainless Steel, Titanium and Platinum*
Tensible strength of wire 1800 MPa

Medium Hard wire: *Standard Steel, Gold and Sterling Silver*
Tensible strength of wire 800 MPa

Soft wire: *Copper Wire, Soft Plastics*
Tensible strength of wire 250 MPa

RX — The ultimate in ergonomic and ESD safe handles

80 — Traditional ESD safe 80 Series handles

SUP — Traditional ESD safe Supreme Series handles

HS — Original ESD safe ergonomic handle design, soft foam grips

CO — ESD safe Conductive handles

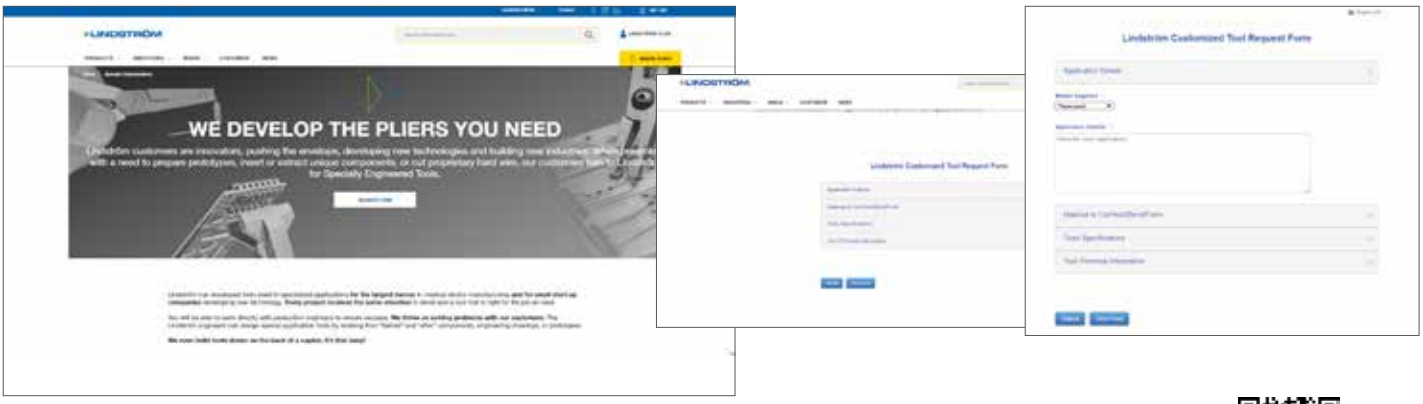
M — Traditional ESD safe Medical Series handles

Lead catcher. Add "-S" to part number.
Example: 8140-S

Services Customization and Reconditioning

WWW.LINDSTROMTOOLS.COM

The Tool Request Form allows you to customize your product live. In a few steps you will be able to send us your request and our manufacturing reps and engineering team will respond to you to discuss your needs.



SERVICE

Thorough inspection: Each precision cutter undergoes a comprehensive assessment to identify wear, damage, and any potential issue.

Precision grinding: Our advanced grinding techniques restore the sharpness and geometry of the blades, guaranteeing optimal cutting precision.

Realigning and repairing the jaws: The joint screw is checked and tightened if necessary.

Replacing broken/misaligned and or damaged springs with Lindström's original spare parts.

Surface lubrication.

New handles for optimal ergonomics: We upgrade grips and handles with new, original Lindström ESD safe handles.

Quality assurance: Before returning your precision cutters, we conduct rigorous quality checks to ensure they meet our stringent criteria.

SWIFT TURNAROUND

5 DAYS

COST OF OWNERSHIP