LINDSTRÖM®

Electronics



Medical Device Manufacturing



Jewelry & Watch Making



Aerospace & Defense



- Precision Cutters
- Precision Holding Pliers
- Precision Screwdrivers
- Torque Tools
- Tweezers

# Precision Tools

**Delivering consistent, precise performance with a professional feel for users who excel in their field**














# 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.

## QUALITY

Lindström constantly works on improving quality and the manufacturing process. We test 100% of our products at many different facets of our manufacturing process to ensure the best performance of the tool.

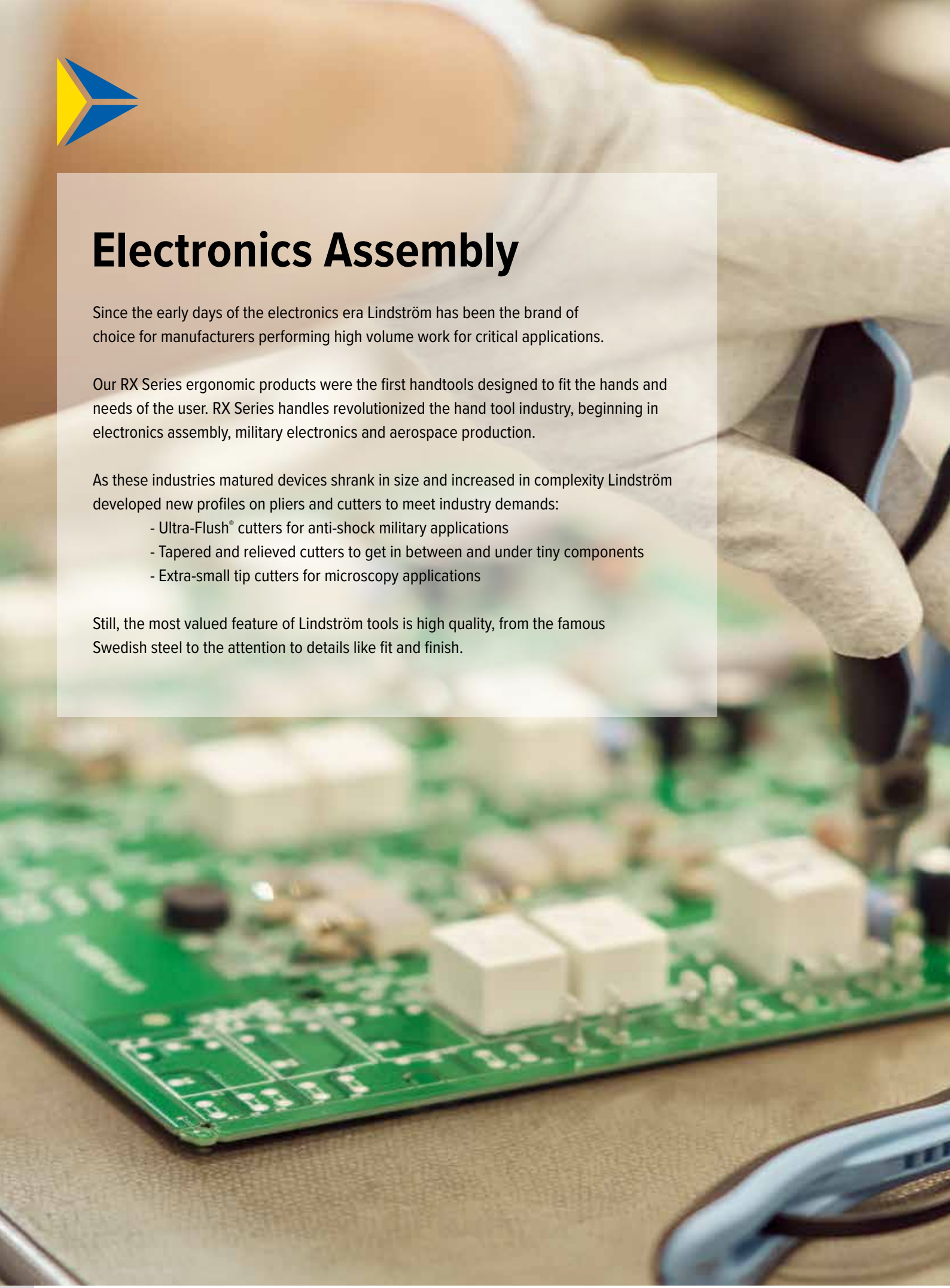
Perfection is difficult to achieve but that is the goal we set for ourselves, and it is the standard our customers expect. Any customer who believes a Lindström branded product is not performing to their expectations should contact us immediately. At any time customers are invited to send tools to us for a free evaluation. We know it can be aggravating when products do not perform as expected, so we try to make it as easy as possible to repair or replace tools when warranted.
You are our customer. And our customers know good tools. So we rely on you to let us know when a tool falls short of your expectations so we can change course immediately and keep striving for 100% success.

Lindström is one of the Snap-on Industrial brands.
Thank you for choosing to be a Lindström customer.
Lindström Team.


LINDSTRÖM®

# Content


| | | |
|---|---|---|
| **Introduction** | Applications | 4 |
| | Tool Selector | 14 |
| | Handle Options | 16 |
| **Diagonal Cutters** | | 19 |
| | Oval Head | 20 |
| | Tapered Head | 22 |
| | Tapered & Relieved Head | 24 |
| | Wire Strippers | 26 |
| **Diagonal Cutters for Hard Materials** | | 27 |
| | Carbide Cutters | 28 |
| | Performance Specific Cutters | 29 |
| **Plastic Cutters** | | 30 |
| **Heavy Duty Cutters** | | 31 |
| **EDGE Shear Cutters** | | 32 |
| **Multipurpose Shear** | | 36 |
| **Oblique Cutters** | | 37 |
| | End Head | 39 |
| | Angle Head | 41 |
| **Tip & Micro Tip Cutters** | | 45 |
| | Tip Head | 46 |
| | Micro Tip Head | 47 |
| **Holding Pliers** | | 49 |
| | Flat Nose | 50 |
| | Round Nose | 51 |
| | Chain Nose | 52 |
| | Bent Nose | 53 |
| | Snipe Nose | 54 |
| | Needle Nose | 55 |
| **Specially Engineered Tools** | | 56 |
| | IC Tools & Cutters | 59 |
| | StandOff Cutters | 60 |
| | Cut & Bend | 62 |
| | Cut & Form | 62 |
| | Leadformers | 63 |
| **Accessories & Spare Parts** | | 66 |
| **ESD Safe Precision Screwdrivers** | | 68 |
| | Sets | 70,72 |
| | Slotted | 70 |
| | Phillips | 71 |
| | TORX® | 71 |
| | Pentalobe | 71 |
| **Torque Tools** | Preset Torque Screwdriver | 74 |
| **Tweezers** | | 78 |
| | INTRODUCTION | 78 |
| | Tweezer Sets | 84 |
| | High Precision Tweezers | 86 |
| | Cutting Tweezers | 87 |
| | COATED Tweezers | 93 |
| | Plastic Replaceable Tip Tweezers | 96 |
| | General Purpose Tweezers | 101 |
| | Components Positioning Tweezers | 102 |
| | SMD Tweezers | 103 |
| | Economy Tweezers | 107 |
| | Spare Parts & Accessories | 108 |
| **Warranty & Services** | | 112 |
| **Content** | | 114 |



# Electronics Assembly

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

Our RX Series ergonomic products were the first handtools designed to fit the hands and needs of the user. RX Series handles revolutionized the hand tool industry, beginning in electronics assembly, military electronics and aerospace production.

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.



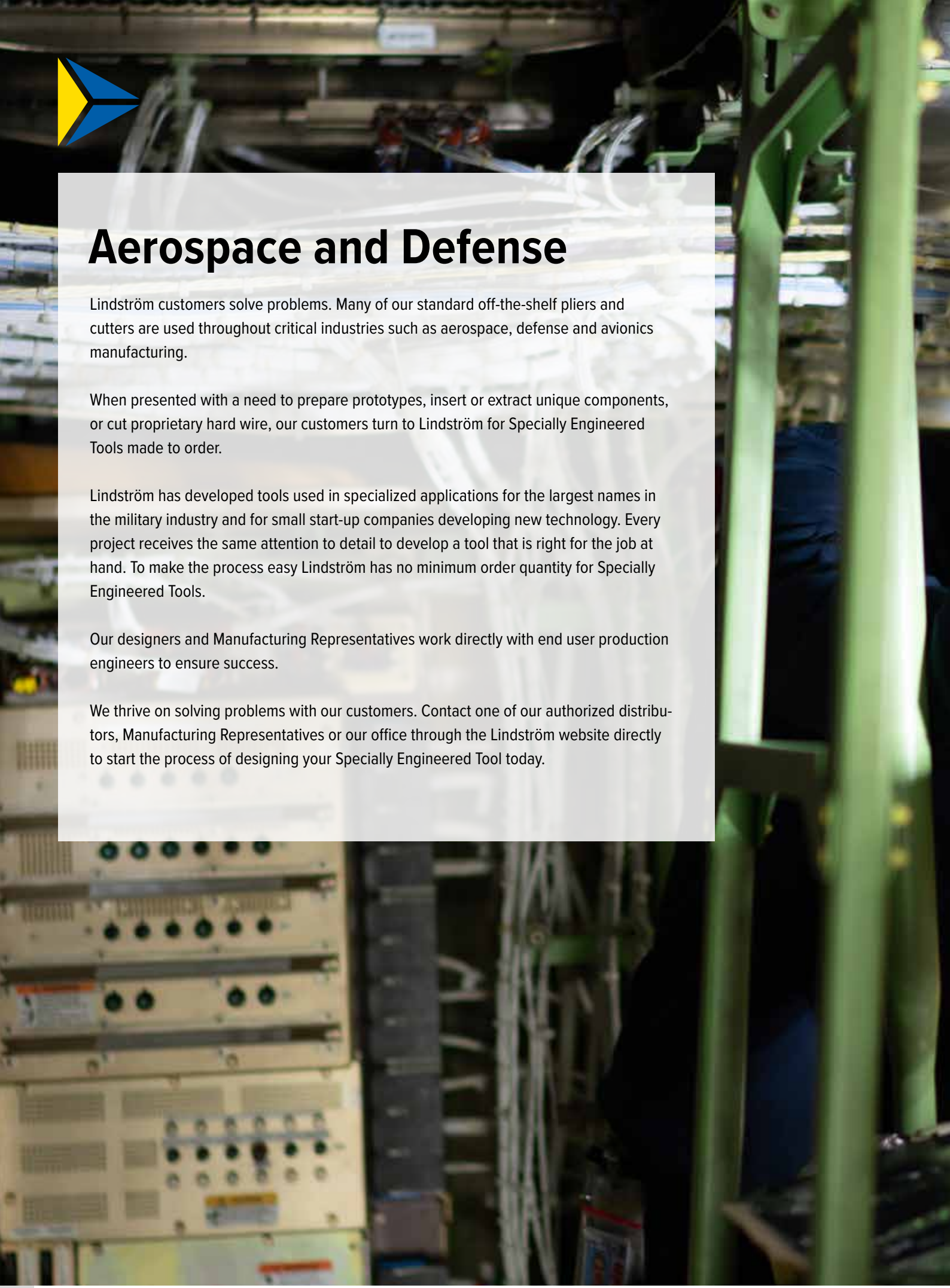
*RX 8248 Flush cutters: 45° angled tips, long 18 mm jaws for improved access.*



*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.*



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



# Aerospace and Defense

Lindström customers solve problems. Many of our standard off-the-shelf pliers and cutters are used throughout critical industries such as aerospace, defense and avionics manufacturing.

When presented with a need to prepare prototypes, insert or extract unique components, or cut proprietary hard wire, our customers turn to Lindström for Specially Engineered Tools made to order.

Lindström has developed tools used in specialized applications for the largest names in the military industry and for small start-up companies developing new technology. Every project receives the same attention to detail to develop a tool that is right for the job at hand. To make the process easy Lindström has no minimum order quantity for Specially Engineered Tools.

Our designers and Manufacturing Representatives work directly with end user production engineers to ensure success.

We thrive on solving problems with our customers. Contact one of our authorized distributors, Manufacturing Representatives or our office through the Lindström website directly to start the process of designing your Specially Engineered Tool today.



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



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



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



# Medical Device Manufacturing Industry

Lindström is the cutter of choice for manufacturers of medical devices – both for trimming materials and assembling high-tech miniature electronics.

For over thirty years, Lindström cutters have been used to manufacture pacemakers, stents, catheters, guide wires and more. Lindström technological improvements are driven by our customers and their demand for reliable, precise and versatile tools.

Lindström has led the way in providing handtools that perform to the specifications of manufaturers for a wide range of materials including platinum, nitinol, stainless steel, titanium, and proprietary meshes and weaves.



*8150M2 cutter used to trim multiple stents thanks to the modified hardened cutting heads.*



*7154TC Carbide Insert Cutters suitable for tip cutting hard wire catheters and stents.*



*Carbon fiber tweezers 249CFR-SA is often used in laboratory and medical applications when handling sensitive components or where chemical and/or high heat resistance is needed.*



# Jewelry & Watchmaking

For more than 165 years Lindström handtools have been the choice of professional jewelry makers.

Today makers of jewelry and hobby creations – and a variety of artists – choose to use our pliers and cutters to create their unique designs, to precisely bend wire and consistently execute flush cuts.

Comfort, balance and ergonomics are important to Lindström users. Our products are an extension of their hands, the means to bring their creativity to fruition with tools they can rely on.

Exacting users demand a flush cut that is truly flush, a joint that keeps the jaws perfectly aligned, and an edge that stays sharp. Trust is crucial. Artistic creations often require expensive materials, with little tolerance for waste.



*7892 Supreme pliers are favored by many bead and jewelry artists.*



*RX 7890 and RX 7892 pliers allow precise bends and feature ultimate ergonomic handles.*



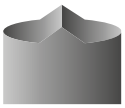
*8141 cutters provide Flush cuts on bead wire and precious metals.*

# 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.

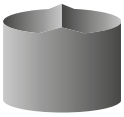
The Lindström formula for success, refined over the last 165 years, rests upon the proprietary recipe for the steel from which we make our tools, very similar to that used to manufacture high-performance ball-bearings. The use of ball-bearing grade steel and appropriate heat treatment methods ensures 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



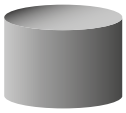
**Micro-Bevel®**
MICRO PEAK

- 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

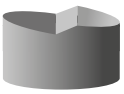
- Cut result leaves a narrow and short peak along the “pinch” line, decreasing the surface area at the cut
- Improves solderability
- Excellent for reducing lead-shock
- Very popular for the Medical Device and Jewelry manufacturing



**Ultra-Flush®**
NO PEAK

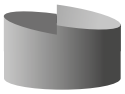
- The finest cut result available with the smoothest lead-end result
- Exceptional solderability
- Ultimate choice for minimizing component and lead-shock
- Perfect for use in close tolerance electronics, aerospace, defense and medical device manufacturing

## SHEAR CUTTING: EDGE BEVEL / CUT RESULT



**Micro EDGE**

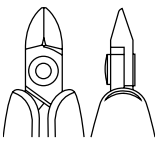
- By-pass technology: the blades are marginally misaligned by a mere 0.2 mm
- The specific blade misalignment mitigates wear and prolongs their service life, as the blades never come into contact with one another.
- Delivers a flat cut with a fraction of a peak measuring less than 0.2 mm, for applications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



**Flush EDGE**

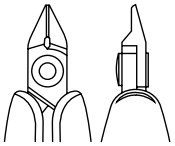
- By-pass technology: the blades are marginally misaligned by a mere 0.2 mm
- Excellent for lead-shock applications and improves solderability
- Delivers a clean, flush cut for applications where precision is of paramount importance

## HEAD TYPE



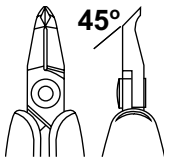
**O / Oval**

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



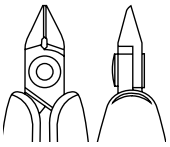
**T&R / Tapered & Relieved**

- 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



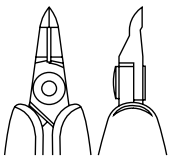
**T / Tapered**

- 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



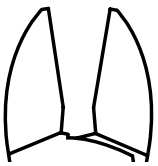
**XS Extra Small**
(a) 8.0 / 0.31
(b) 5.0 / 0.20



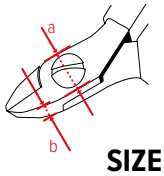
**S Small**
(a) 10.0 / 0.39
(b) 6.0 / 0.24



**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**

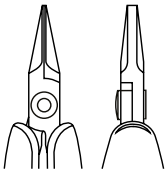
*Width (a) (mm / inch)*
*Thickness (b) (mm / inch)*

# 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.

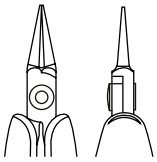
Robust yet precise, Lindström pliers provide an excellent solution to a wide range of application challenges. A variety of handle styles, consistent balance and fine workmanship set our pliers apart from the rest.

## SHAPE - MODELS FOR EVERY APPLICATION



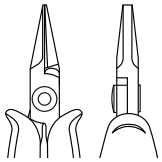
### Flat Nose = FN

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



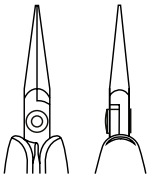
### Round Nose = RN

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



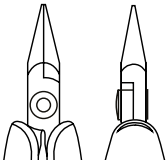
### Round/Flat Nose = R/F

- A perfect combination of the Round Nose and Flat Nose
- Handy for use in making fine curved wire work



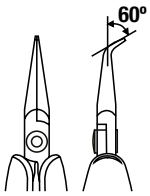
### Chain Nose = CN

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



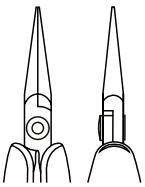
### Snipe Nose = SN

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




### Bent Nose = BN

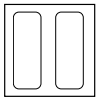
- Classic variation of the chain nose, with 60° bend at the tips
- Suited for positioning components or precise chain work



### Needle Nose = NN

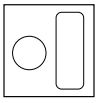
- Slimmer, more tapered version of chain nose design
- Allows wire loop work farther into the jaws for better grip and control

## TIP SHAPE (END VIEW)



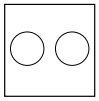
### Flat tip

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



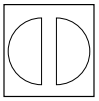
### Round/Flat tip

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



### Round tip

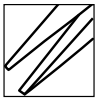
- End view of the tips are perfect circles
- Lindström's precision screw joint is the reason these fine tips achieve alignment



### Chain Nose Tip

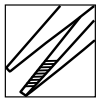
- Designed to bend wire, these tips align like D-shaped pinchers

## 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

CUTTERS

PLIERS

| RX | 80 | SUP | CO | M | SIZE | SHAPE | CUT RESULT OR SURFACE | PAGE NUMBER |
|---|---|---|---|---|---|---|---|---|
| RX 8130 | 8130 | | | | Extra Small | Oval | Micro-Bevel® | 20,21 |
| RX 8131 | 8131 | | 8131 CO | | Extra Small | Oval | Flush | 20,21 |
| RX 8132 | 8132 | | | | Extra Small | Oval | Ultra-Flush® | 20,21 |
| RX8133 | 8133 | | | | Extra Small | Tapered | Micro-Bevel® | 22,23 |
| RX8134 | 8134 | | | | Extra Small | Tapered | Flush | 22,23 |
| | 8135 | | | | Extra Small | Tapered | Ultra-Flush® | 22,23 |
| RX8136 | 8136 | | | | Extra Small | Tapered & Relieved | Micro-Bevel® | 24,25 |
| RX 8137 | 8137 | | | | Extra Small | Tapered & Relieved | Flush | 24,25 |
| RX8138 | 8138 | | | | Extra Small | Tapered & Relieved | Ultra-Flush® | 24,25 |
| RX 8140 | 8140 | | 8140 CO | | Small | Oval | Micro-Bevel® | 20,21 |
| RX 8141 | 8141 | | 8141 CO | | Small | Oval | Flush | 20,21 |
| RX 8142 | 8142 | | 8142 CO | | Small | Oval | Ultra-Flush® | 20,21 |
| RX 8143 | 8143 | | | | Small | Tapered | Micro-Bevel® | 22,23 |
| RX 8144 | 8144 | | 8144 CO | | Small | Tapered | Flush | 22,23 |
| RX 8145 | 8145 | | | | Small | Tapered | Ultra-Flush® | 22,23 |
| RX 8146 | 8146 | | | | Small | Tapered & Relieved | Micro-Bevel® | 24,25 |
| RX 8147 | BAH8147 | | | | Small | Tapered & Relieved | Flush | 24,25 |
| RX 8148 | 8148 | | 8148 CO | | Small | Tapered & Relieved | Ultra-Flush® | 24,25 |
| RX 8149 | 8149 | | | | Small | Tip | Flush | 46 |
| RX 8150 | 8150 | | 8150 CO | | Medium | Oval | Micro-Bevel® | 20,21 |
| RX 8151 | 8151 | | 8151 CO | | Medium | Oval | Flush | 20,21 |
| RX 8152 | 8152 | | | | Medium | Oval | Ultra-Flush® | 20,21 |
| RX 8153 | 8153 | | | | Medium | Tapered | Micro-Bevel® | 22,23 |
| RX 8154 | 8154 | | 8154 CO | | Medium | Tapered | Flush | 22,23 |
| RX8155 | 8155 | | | | Medium | Tapered | Ultra-Flush® | 22,23 |
| RX 8156 | BAH8156 | | | | Medium | Tapered & Relieved | Micro-Bevel® | 24,25 |
| RX 8157 | BAH8157 | | | | Medium | Tapered & Relieved | Flush | 24,25 |
| RX 8158 | BAH8158 | | | | Medium | Tapered & Relieved | Ultra-Flush® | 24,25 |
| RX 8160 | 8160 | | 8160 CO | | Large | Oval | Micro-Bevel® | 20,23,21 |
| RX 8161 | 8161 | | 8161 CO | | Large | Oval | Flush | 20,23,21 |
| RX 8162 | 8162 | | | | Large | Oval | Ultra-Flush® | 20,23,21 |
| RX8163 | 8163 | | 8163 CO | | Large | Tapered | Micro-Bevel® | 22,23 |
| RX 8164 | 8164 | | | | Large | Tapered | Flush | 22,23 |
| RX 8165 | 8165 | | 8165 CO | | Large | Tapered | Ultra-Flush® | 22,23 |
| RX8166 | 8166L | | | | Large | Tapered & Relieved | Micro-Bevel® | 24,25 |
| RX 8167 | BAH8167 | | | | Large | Tapered & Relieved | Flush | 24,25 |
| RX 8168 | BAH8168 | | | | Large | Tapered & Relieved | Ultra-Flush® | 24,25 |
| RX 8211 | 8211 | | | | Small | Angle 20° | Flush | 41 |
| RX8233A | | | | | Extra Small | Micro Tip 10° | Flush | 47 |
| RX8234A | | | | | Extra Small | Micro Tip 10° | Flush | 47 |
| RX8237A | | | | | Extra Small | Micro Tip 50° | Flush | 47 |
| RX 8247 | 8247 | | 8247 CO | | Small | Angle 45° | Flush | 42 |
| RX 8248 | 8248 | | 8248 CO | | Small | Angle 45° | Flush | 43 |
| | 8249 | | | | Small | Angle 45° | Flush | 43 |
| | | 7190 | 7190 CO | | Extra Small | Tapered | Micro-Bevel® | 23 |
| | | 7191 | 7191 CO | | Extra Small | Tapered | Flush | 23 |
| | | 7280 | | | Small | Angle | Flush | 44 |
| | | | | | Small | Angle | Flush | 44 |
| | | 7290 | | | Small | Angle | Micro-Bevel® | 38 |
| | | 7291 | | | Small | Angle | Flush | 38 |
| | | 7292 | | | Small | Transverse End | Flush | 39 |
| | | 7293 | | | Small | Angle | Flush | 40 |
| | | | | 7154TC | Medium | Tapered | Flush | 28 |
| RX8140M2 | | | | 8140M2 | Small | Oval | Micro-Bevel® | 28 |
| RX8150M2 | | | | 8150M2 | Medium | Oval | Micro-Bevel® | 28 |
| RX8160M2 | | | | 8160M2 | Large | Oval | Micro-Bevel® | 28 |
| | | | | 8154PSP | Medium | Tapered | Flush | 28 |
| RX8140PS | | | | 8140PS | Small | Oval | Micro-Bevel® | 29 |
| RX8141PS | | | | 8141PS | Small | Oval | Flush | 29 |
| RX 8142PS | | | | 8142PS | Small | Oval | Ultra-flush® | 29 |
| RX 8147PS | | | | 8147PS | Small | Tapered & Relieved | Flush | 29 |
| RX8150PS | | | | 8150PS | Medium | Oval | Micro-Bevel® | 29 |
| | | | | 8160PS | Large | Oval | Micro-Bevel® | 29 |
| RX8160BPS | | | | 8160BPS | Large | Oval | Micro-Bevel® | 29 |
| RX 8161PS | | | | 8161PS | Large | Oval | Flush | 29 |
| | 6151 | | | | Medium | Tapered | Micro EDGE | 34 |
| | 6152 | | | | Medium | Tapered | Flush EDGE | 34 |
| | 6152SS | | | | Medium | Tapered | Flush EDGE | 34 |
| | 6159 | | | | Medium | Pointy | Flush EDGE | 35 |
| | 6258 | | | | Medium | Angle | Flush EDGE | 35 |
| RX 7390 | | | | | Small | Flat Nose Stubby | Smooth Tip | 50 |
| RX 7392 | | | | | Small | Oblique, Stubby | Smooth Tip | 50 |
| RX 7490 | | 7490 | 7490 CO | | Small | Flat Nose | Smooth Tip | 50 |
| RX 7590 | | 7590 | 7590 CO | | Small | Round Nose | Smooth Tip | 51 |
| RX 7890 | | 7890 | 7890 CO | | Medium | Chain Nose | Smooth Tip | 52 |
| RX 7891 | | 7891 | 7891 CO | | Medium | Chain Nose | Serrated Tip | 52 |
| RX 7892 | | 7892 | 7892 CO | | Medium | Bent Nose | Smooth Tip | 53 |
| RX 7893 | | 7893 | | | Small | Snipe Nose | Smooth Tip | 54 |
| RX 7894 | | 7894 | | | Large | Needle Nose | Smooth Tip | 55 |

| 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 | | | | | | | | | | | | | | | | | | | | | | ✓ |
| 8136 | | | | | | | | | | | | | | | | | | | | | | ✓ |
| 8137 | | | | | | | | | | | | | | | | | | | | | | ✓ |
| 8138 | | | | | | | | | | | | | | | | | | | | | | ✓ |
| 8140 | | | | | | | | | | | | | | | | | | | | | | ✓ |
| 8141 | | | | | | | | | | | | | | | | | | | | | | ✓ |
| 8142 | | | | | | | | | | | | | | | | | | | | | | ✓ |
| 8143 | | | | | | | | | | | | | | | | | | | | | | ✓ |
| 8144 | | | | | | | | | | | | | | | | | | | | | | ✓ |
| 8145 | | | | | | | | | | | | | | | | | | | | | | ✓ |
| 8146 | | | | | | | | | | | | | | | | | | | | | | ✓ |
| 8147 | | | | | | | | | | | | | | | | | | | | | | ✓ |
| 8148 | | | | | | | | | | | | | | | | | | | | | | ✓ |
| 8149 | | | | | | | | | | | | | | | | | | | | | | ✓ |
| 8150 | | | | | | | | | | | | | | | | | | | | | | ✓ |
| 8151 | | | | | | | | | | | | | | | | | | | | | | ✓ |
| 8152 | | | | | | | | | | | | | | | | | | | | | | ✓ |
| 8153 | | | | | | | | | | | | | | | | | | | | | | ✓ |
| 8154 | | | | | | | | | | | | | | | | | | | | | | ✓ |
| 8155 | | | | | | | | | | | | | | | | | | | | | | ✓ |
| 8156 | | | | | | | | | | | | | | | | | | | | | | ✓ |
| 8157 | | | | | | | | | | | | | | | | | | | | | | ✓ |
| 8158 | | | | | | | | | | | | | | | | | | | | | | ✓ |
| 8160 | | | | | | | | | | | | | | | | | | | | | | ✓ |
| 8161 | | | | | | | | | | | | | | | | | | | | | | ✓ |
| 8162 | | | | | | | | | | | | | | | | | | | | | | ✓ |
| 8163 | | | | | | | | | | | | | | | | | | | | | | ✓ |
| 8164 | | | | | | | | | | | | | | | | | | | | | | ✓ |
| 8165 | | | | | | | | | | | | | | | | | | | | | | ✓ |
| 8166 | | | | | | | | | | | | | | | | | | | | | | ✓ |
| 8167 | | | | | | | | | | | | | | | | | | | | | | ✓ |
| 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

CO ESD safe Conductive handles

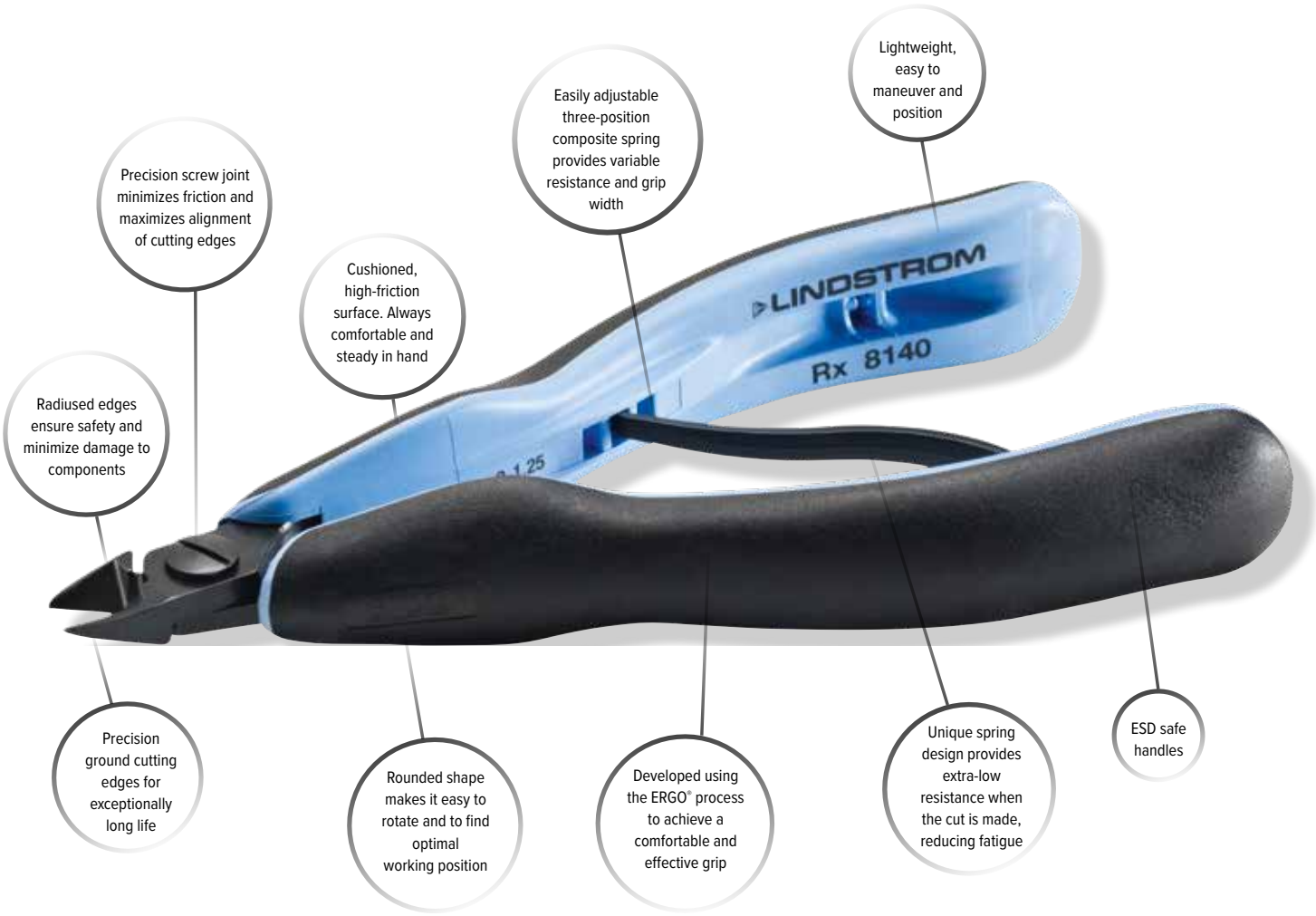
M Traditional ESD safe Medical Series handles

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



# **RX Series** The ultimate in comfort, performance and precision

We have put all of our experience, technical expertise and ergonomic know-how into the successful RX Series. Take a close look at any RX tool, try it out and then compare it to all competitors on the market. Lindström RX Series will always come out on top!




Our scientific ERGO® Development Program (the "11-Point Program") has resulted in many successful and scientifically evaluated ergonomic tools.

While many others just talk about ergonomics, we deliver scientifically validated solutions.

All Lindström cutters and pliers are ESD safe and safely dissipate electrostatic charges, reducing the possibility of damage to sensitive components.

Warning! Lindström cutters and pliers should never be used on electrified equipment.



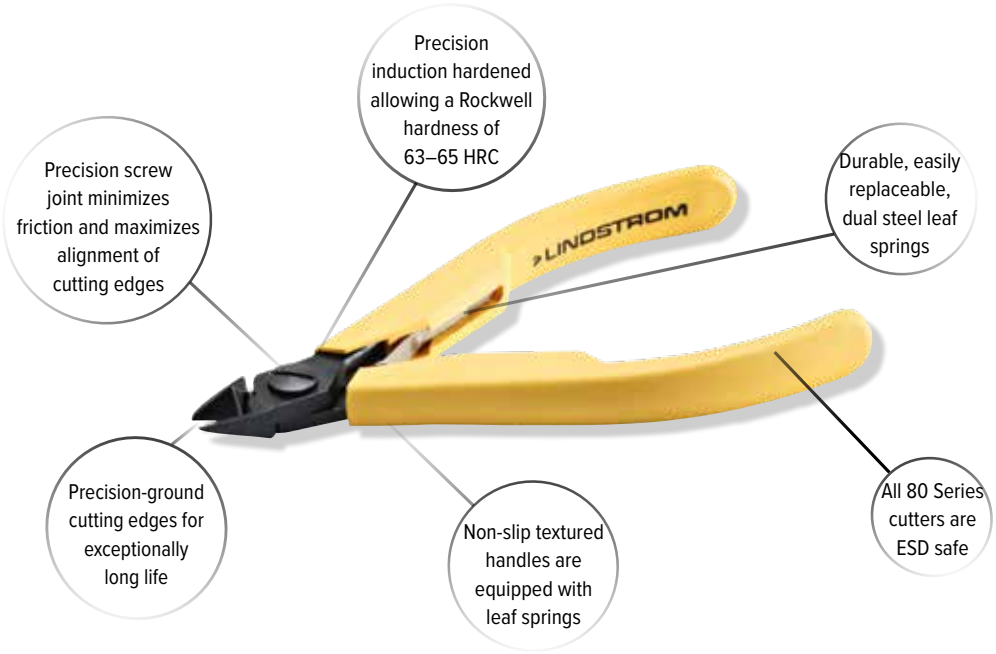
*RX 7891 chain nose pliers. 32 mm jaw length, serrated with radiused edges.*



*RX 8150 oval head cutter. Ideal for cutting leads, jewelry wire, and general assembly applications.*

# The original Lindström **80 Series** Cutters

Tried and true performance for the traditional user. The Lindström 80 Series remains the top choice for the traditional user. This range of cutters offers unsurpassed cutting capacity covering a wide range of wire dimensions and types. This is the technology that "started it all" for Lindström.





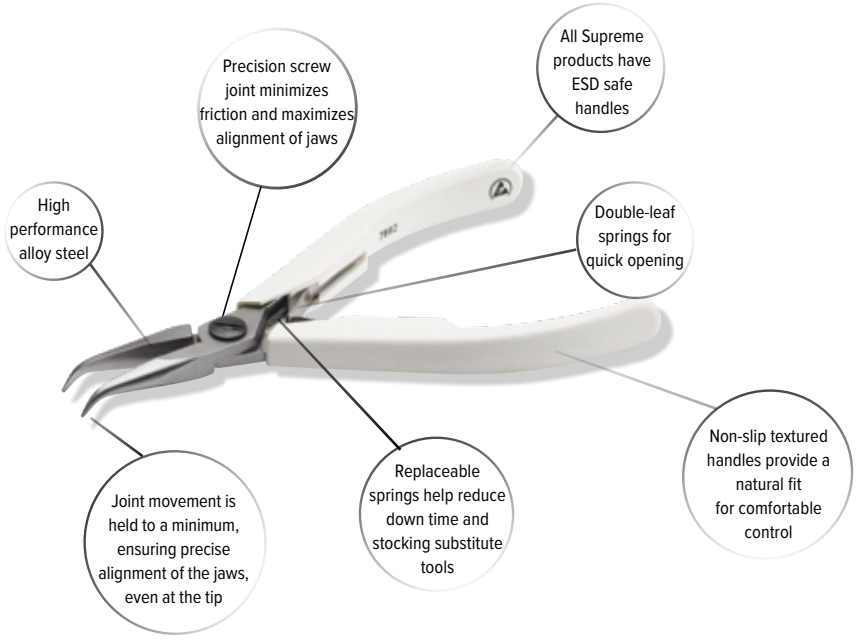

*8144 tapered head cutter, ideal for assembly work where accessibility is a consideration.*



*8140 oval head cutter, ideal for wire harness work and standard printed circuit board assembly.*

# Lindström **Supreme Series** for dependable results

The Supreme Series features a precision screw & nut in an advanced lap joint design. Joint play is held to a minimum, ensuring precise alignment of the jaws even at the tips. Supreme Series oblique end cutters are preferred by jewelry and wire artists, while transverse cutters are uniquely suited to trimming leads in hard to reach assemblies.






*7292 Supreme miniature end cutter is ideal for use in confined spaces.*



*7590 Supreme round nose pliers with no sharp edges.*



# Diagonal Cutters

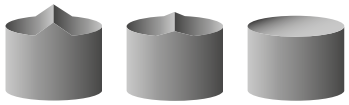
# Oval Head

- Precision screw joint minimizes friction and maximizes alignment of cutting edges
- Precision induction hardened cutting edges 63–65 HRC
- Material: High performance alloy steel
- Cutting capacity is listed for solid copper wire
- Black Oxide finish

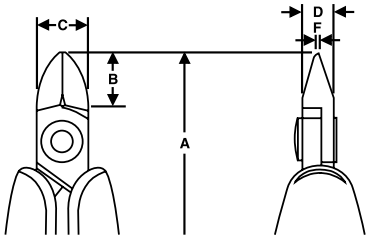




*Ideal for cutting leads, jewelry wire, and general assembly applications*



**Micro-Bevel®** **Flush** **Ultra-Flush**




**RX Series:** Two-component ESD safe Ergo™ handles: Thermoplastic surface on tough polypropylene provides superior grip

- Micro-Touch™: The shape of the handles makes it possible to control and rotate the pliers between thumb and index finger for precision work
- Biospring reduces tension throughout the working cycle of the tool and can be adjusted in three different positions



*RX Series*

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | F mm / in | mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RX 8130 | Oval | XS | 133.5 / 5.25 | 8.5 / 0.33 | 8.0 / 0.31 | 5.0 / 0.2 | 0.8 / 0.03 | 0.2-1.0 / 0.00 | Micro-Bevel® | 68 | Dissipative |
| RX 8131 | Oval | XS | 133.5 / 5.25 | 8.5 / 0.33 | 8.0 / 0.31 | 5.0 / 0.2 | 0.8 / 0.03 | 0.1-1.0 / 0.00 | Flush | 68 | Dissipative |
| RX 8132 | Oval | XS | 133.5 / 5.25 | 8.5 / 0.33 | 8.0 / 0.31 | 5.0 / 0.2 | 0.8 / 0.03 | 0.1-0.8 / 0.00-0.03 | Ultra-Flush® | 68 | Dissipative |
| RX 8140 | Oval | S | 135.5 / 5.33 | 10.5 / 0.41 | 10.0 / 0.39 | 6.0 / 0.24 | 0.8 / 0.03 | 0.2-1.25 / 0.00-0.05 | Micro.Bevel® | 70 | Dissipative |
| RX 8141 | Oval | S | 135.5 / 5.33 | 10.5 / 0.41 | 10.0 / 0.39 | 6.0 / 0.24 | 0.8 / 0.03 | 0.1-1.25 / 0.00-0.05 | Flush | 70 | Dissipative |
| RX 8142 | Oval | S | 135.5 / 5.33 | 10.5 / 0.41 | 10.0 / 0.39 | 6.0 / 0.24 | 0.8 / 0.03 | 0.1-1.0 / 0.00-0.04 | Ultra-Flush® | 70 | Dissipative |
| RX 8150 | Oval | M | 138.0 / 5.43 | 13.0 / 0.51 | 12.5 / 0.49 | 6.0 / 0.24 | 1.2 / 0.05 | 0.3-1.6 / 0.01-0.06 | Micro-Bevel® | 73 | Dissipative |
| RX 8151 | Oval | M | 138.0 / 5.43 | 13.0 / 0.51 | 12.5 / 0.49 | 6.0 / 0.24 | 1.2 / 0.05 | 0.2-1.6 / 0.00-0.06 | Flush | 73 | Dissipative |
| RX 8152 | Oval | M | 138.0 / 5.43 | 13.0 / 0.51 | 12.5 / 0.49 | 6.0 / 0.24 | 1.2 / 0.05 | 0.2-1.25 / 0.00-0.05 | Ultra-Flush® | 73 | Dissipative |
| RX 8160 | Oval | L | 147.0 / 5.80 | 16.0 / 0.63 | 16.0 / 0.63 | 8.0 / 0.31 | 1.6 / 0.06 | 0.4-2.0 / 0.02 | Micro-Bevel® | 97 | Dissipative |
| RX 8161 | Oval | L | 147.0 / 5.80 | 16.0 / 0.63 | 16.0 / 0.63 | 8.0 / 0.31 | 1.6 / 0.06 | 0.3-2.0 / 0.01 | Flush | 97 | Dissipative |
| RX 8162 | Oval | L | 147.0 / 5.80 | 16.0 / 0.63 | 16.0 / 0.63 | 8.0 / 0.31 | 1.6 / 0.06 | 0.3-1.6 / 0.01 | Ultra-Flush® | 97 | Dissipative |

# Oval Head



*80 Series*

**80 Series:**

ESD safe synthetic mono material with leaf springs

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | F mm / in | mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8130 | Oval | XS | 108.0 / 4.25 | 8.5 / 0.33 | 8.0 / 0.31 | 5.0 / 0.2 | 0.8 / 0.03 | 0.2-1.0 / 0.01-0.04 | Micro-Bevel® | 43 | Dissipative |
| 8131 | Oval | XS | 108.0 / 4.25 | 8.5 / 0.33 | 8.0 / 0.31 | 5.0 / 0.2 | 0.8 / 0.03 | 0.1-1.0 / 0.00-0.04 | Flush | 43 | Dissipative |
| 8132 | Oval | XS | 108.0 / 4.25 | 8.5 / 0.33 | 8.0 / 0.31 | 5.0 / 0.2 | 0.8 / 0.03 | 0.1-0.8 / 0.00-0.03 | Ultra-Flush® | 43 | Dissipative |
| 8140 | Oval | S | 110.0 / 4.33 | 10.5 / 0.41 | 10.0 / 0.39 | 6.0 / 0.24 | 0.8 / 0.03 | 0.2-1.25 / 0.01-0.05 | Micro-Bevel® | 46 | Dissipative |
| 8141 | Oval | S | 110.0 / 4.33 | 10.5 / 0.41 | 10.0 / 0.39 | 6.0 / 0.24 | 0.8 / 0.03 | 0.1-1.25 / 0.00-0.05 | Flush | 46 | Dissipative |
| 8142 | Oval | S | 110.0 / 4.33 | 10.5 / 0.41 | 10.0 / 0.39 | 6.0 / 0.24 | 0.8 / 0.03 | 0.1-1.0 / 0.00-0.04 | Ultra-Flush® | 46 | Dissipative |
| 8150 | Oval | M | 112.5 / 4.43 | 13.0 / 0.51 | 12.5 / 0.50 | 6.0 / 0.24 | 1.2 / 0.05 | 0.3-1.6 / 0.01-0.06 | Micro-Bevel® | 50 | Dissipative |
| 8151 | Oval | M | 112.5 / 4.43 | 13.0 / 0.51 | 12.5 / 0.50 | 6.0 / 0.24 | 1.2 / 0.05 | 0.2-1.6 / 0.01-0.06 | Flush | 50 | Dissipative |
| 8152 | Oval | M | 112.5 / 4.43 | 13.0 / 0.51 | 12.5 / 0.50 | 6.0 / 0.24 | 1.2 / 0.05 | 0.1-1.25 / 0.00-0.05 | Ultra-Flush® | 50 | Dissipative |
| 8160 | Oval | L | 125.0 / 4.92 | 16.0 / 0.63 | 16.0 / 0.63 | 8.0 / 0.31 | 1.6 / 0.06 | 0.4-2.0 / 0.02-0.08 | Micro-Bevel® | 88 | Dissipative |
| 8161 | Oval | L | 125.0 / 4.92 | 16.0 / 0.63 | 16.0 / 0.63 | 8.0 / 0.31 | 1.6 / 0.06 | 0.3-2.0 / 0.01-0.08 | Flush | 88 | Dissipative |
| 8162 | Oval | L | 125.0 / 4.92 | 16.0 / 0.63 | 16.0 / 0.63 | 8.0 / 0.31 | 1.6 / 0.06 | 0.3-1.6 / 0.01-0.08 | Ultra-Flush® | 88 | Dissipative |
| 8131 CO | Oval | XS | 108.0 / 4.25 | 8.5 / 0.33 | 8.0 / 0.31 | 5.0 / 0.2 | 0.8 / 0.03 | 0.1-1.0 / 0.00-0.04 | Flush | 43 | Conductive |
| 8140 CO | Oval | S | 110.0 / 4.33 | 10.5 / 0.41 | 10.0 / 0.39 | 6.0 / 0.24 | 0.8 / 0.03 | 0.2-1.25 / 0.01-0.05 | Micro-Bevel® | 46 | Conductive |
| 8141 CO | Oval | S | 110.0 / 4.33 | 10.5 / 0.41 | 10.0 / 0.39 | 6.0 / 0.24 | 0.8 / 0.03 | 0.1-1.25 / 0.00-0.05 | Flush | 46 | Conductive |
| 8142 CO | Oval | S | 110.0 / 4.33 | 10.5 / 0.41 | 10.0 / 0.39 | 6.0 / 0.24 | 0.8 / 0.03 | 0.1-1.0 / 0.00-0.04 | Ultra-Flush® | 46 | Conductive |
| 8150 CO | Oval | M | 112.5 / 4.43 | 13.0 / 0.51 | 12.5 / 0.50 | 6.0 / 0.24 | 1.2 / 0.05 | 0.3-1.6 / 0.01-0.06 | Micro-Bevel® | 50 | Conductive |
| 8151 CO | Oval | M | 112.5 / 4.43 | 12.5 / 0.50 | 12.5 / 0.50 | 6.0 / 0.24 | 1.2 / 0.05 | 0.2-1.6 / 0.01-0.06 | Flush | 50 | Conductive |
| 8160 CO | Oval | L | 125.0 / 4.92 | 16.0 / 0.63 | 16.0 / 0.63 | 8.0 / 0.31 | 1.6 / 0.06 | 0.4-2.0 / 0.02-0.08 | Micro-Bevel® | 88 | Conductive |
| 8161 CO | Oval | L | 125.0 / 4.92 | 16.0 / 0.63 | 16.0 / 0.63 | 8.0 / 0.31 | 1.6 / 0.06 | 0.3-2.0 / 0.01-0.08 | Flush | 88 | Conductive |



# Tapered Head

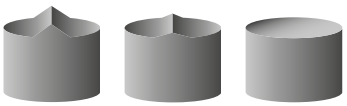
- Precision screw joint minimizes friction and maximizes alignment of cutting edges
- Precision induction hardened cutting edges 63–65 HRC
- Material: High performance alloy steel
- Cutting capacity is listed for solid copper wire
- Black Oxide finish



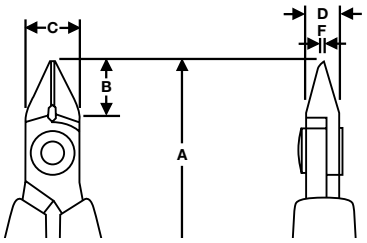




*Ideal for assembly work where accessibility is a consideration*



**Micro-Bevel®** **Flush** **Ultra-Flush**




**RX Series:** Two-component ESD safe Ergo™ handles: Thermoplastic surface on tough polypropylene provides superior grip

- Micro-Touch™: The shape of the handles makes it possible to control and rotate the pliers between thumb and index finger for precision work
- Biospring reduces tension throughout the working cycle of the tool and can be adjusted in three different positions



*RX Series*

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | F mm / in | mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RX8133 | Tapered | XS | 133.5 / 5.25 | 8.0 / 0.31 | 8.0 / 0.31 | 5.0 / 0.2 | 0.8 / 0.03 | 0.2–1.0 / 0.008–0.04 | Micro-Bevel® | 66 | Dissipative |
| RX8134 | Tapered | XS | 133.5 / 5.25 | 8.0 / 0.31 | 8.0 / 0.31 | 5.0 / 0.2 | 0.8 / 0.03 | 0.1–0.8 / 0.004–0.03 | Flush | 66 | Dissipative |
| RX 8143 | Tapered | S | 135.5 / 5.25 | 10.5 / 0.41 | 8.0 / 0.39 | 6.0 / 0.24 | 0.8 / 0.03 | 0.2-1.25 / 0.01-0.05 | Micro-Bevel® | 68 | Dissipative |
| RX 8144 | Tapered | S | 135.5 / 5.25 | 10.5 / 0.41 | 8.0 / 0.39 | 6.0 / 0.24 | 0.8 / 0.03 | 0.1-1.25 / 0.00-0.05 | Flush | 68 | Dissipative |
| RX 8145 | Tapered | S | 135.5 / 5.25 | 10.5 / 0.41 | 8.0 / 0.39 | 6.0 / 0.24 | 0.8 / 0.03 | 0.1-1.0 / 0.00-0.04 | Ultra-Flush® | 68 | Dissipative |
| RX 8153 | Tapered | M | 138.0 / 5.30 | 13.0 / 0.51 | 12.5 / 0.49 | 6.0 / 0.24 | 1.2 / 0.05 | 0.3-1.6 / 0.01-0.06 | Micro-Bevel® | 71 | Dissipative |
| RX 8154 | Tapered | M | 138.0 / 5.30 | 13.0 / 0.51 | 12.5 / 0.49 | 6.0 / 0.24 | 1.2 / 0.05 | 0.2-1.6 / 0.01-0.06 | Flush | 71 | Dissipative |
| RX8155 | Tapered | M | 138.0 / 5.30 | 13.0 / 0.51 | 12.5 / 0.49 | 6.0 / 0.24 | 1.2 / 0.05 | 0.2-1.25 / 0.01-0.05 | Ultra-Flush® | 71 | Dissipative |
| RX8163 | Tapered | L | 147.0 / 5.80 | 16.0 / 0.63 | 16.0 / 0.63 | 8.0 / 0.31 | 1.6 / 0.06 | 0.4-2.0 / 0.02-0.08 | Micro-Bevel® | 95 | Dissipative |
| RX 8164 | Tapered | L | 147.0 / 5.80 | 16.0 / 0.63 | 16.0 / 0.63 | 8.0 / 0.31 | 1.6 / 0.06 | 0.3-2.0 / 0.01-0.08 | Flush | 95 | Dissipative |
| RX 8165 | Tapered | L | 147.0 / 5.80 | 16.0 / 0.63 | 16.0 / 0.63 | 8.0 / 0.31 | 1.6 / 0.06 | 0.3-1.6 / 0.01-0.06 | Ultra-Flush® | 95 | Dissipative |

## Tapered Head



80 Series

**80 Series:** ESD safe synthetic mono material with leaf springs

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | F mm / in | mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8133 | Tapered | XS | 108.0 / 4.25 | 8.0 / 0.31 | 8.0 / 0.31 | 5.0 / 0.2 | 0.8 / 0.03 | 0.2-1.0 / 0.008-0.04 | Micro-Bevel® | 43 | Dissipative |
| 8134 | Tapered | XS | 108.0 / 4.25 | 8.0 / 0.31 | 8.0 / 0.31 | 5.0 / 0.2 | 0.8 / 0.03 | 0.1-0.8 / 0.004-0.03 | Flush | 43 | Dissipative |
| 8135 | Tapered | XS | 108.0 / 4.25 | 8.0 / 0.31 | 8.0 / 0.31 | 5.0 / 0.2 | 0.8 / 0.03 | 0.1-0.5 / 0.004-0.02 | Ultra-Flush® | 43 | Dissipative |
| 8143 | Tapered | S | 110.0 / 4.33 | 10.5 / 0.41 | 8.0 / 0.39 | 6.0 / 0.24 | 0.8 / 0.03 | 0.2-1.25 / 0.01-0.05 | Micro-Bevel® | 46 | Dissipative |
| 8144 | Tapered | S | 110.0 / 4.33 | 10.5 / 0.41 | 8.0 / 0.39 | 6.0 / 0.24 | 0.8 / 0.03 | 0.2-1.25 / 0.01-0.05 | Flush | 46 | Dissipative |
| 8145 | Tapered | S | 110.0 / 4.33 | 10.5 / 0.41 | 8.0 / 0.39 | 6.0 / 0.24 | 0.8 / 0.03 | 0.1-1.0 / 0.00-0.04 | Ultra-Flush® | 46 | Dissipative |
| 8153 | Tapered | M | 112.5 / 4.43 | 13.0 / 0.51 | 12.5 / 0.50 | 6.0 / 0.24 | 1.2 / 0.05 | 0.3-1.6 / 0.01-0.06 | Micro-Bevel® | 49 | Dissipative |
| 8154 | Tapered | M | 112.5 / 4.43 | 13.0 / 0.51 | 12.5 / 0.50 | 6.0 / 0.24 | 1.2 / 0.05 | 0.2-1.6 / 0.01-0.06 | Flush | 49 | Dissipative |
| 8155 | Tapered | M | 112.5 / 4.43 | 13.0 / 0.51 | 12.5 / 0.50 | 6.0 / 0.24 | 1.2 / 0.05 | 0.2-1.25 / 0.01-0.05 | Ultra-Flush® | 49 | Dissipative |
| 8163 | Tapered | L | 125.0 / 4.92 | 16.0 / 0.63 | 16.0 / 0.63 | 8.0 / 0.31 | 1.6 / 0.06 | 0.4-2.0 / 0.02-0.08 | Micro-Bevel® | 88 | Dissipative |
| 8164 | Tapered | L | 125.0 / 4.92 | 16.0 / 0.63 | 16.0 / 0.63 | 8.0 / 0.31 | 1.6 / 0.06 | 0.3-2.0 / 0.01-0.08 | Flush | 88 | Dissipative |
| 8165 | Tapered | L | 125.0 / 4.92 | 16.0 / 0.63 | 16.0 / 0.63 | 8.0 / 0.31 | 1.6 / 0.06 | 0.3-1.6 / 0.01-0.06 | Ultra-Flush® | 88 | Dissipative |
| 8144 CO | Tapered | S | 110.0 / 4.33 | 10.5 / 0.41 | 10.0 / 0.39 | 6.0 / 0.24 | 0.8 / 0.03 | 0.2-1.25 / 0.01-0.05 | Flush | 46 | Conductive |
| 8154 CO | Tapered | M | 112.5 / 4.43 | 13.0 / 0.51 | 12.5 / 0.50 | 6.0 / 0.24 | 1.2 / 0.05 | 0.2-1.6 / 0.01-0.06 | Flush | 49 | Conductive |
| 8163 CO | Tapered | L | 125.0 / 4.92 | 16.0 / 0.63 | 16.0 / 0.63 | 8.0 / 0.31 | 1.6 / 0.06 | 0.4-2.0 / 0.02-0.08 | Micro-Bevel® | 88 | Conductive |
| 8165 CO | Tapered | L | 125.0 / 4.92 | 16.0 / 0.63 | 16.0 / 0.63 | 8.0 / 0.31 | 1.6 / 0.06 | 0.3-1.6 / 0.01-0.06 | Ultra-Flush® | 88 | Conductive |



*Supreme Series*

**Supreme Series:** ESD safe synthetic mono material with leaf springs
Natural finish

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | F mm / in | mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7190 | Tapered | XS | 108.0 / 4.29 | 9.0 / 0.35 | 9.0 / 0.35 | 6.0 / 0.24 | 1.0 / 0.04 | 0.2-1.0 / 0.00-0.04 | Micro-Bevel® | 50 | Dissipative |
| 7191 | Tapered | XS | 108.0 / 4.29 | 9.0 / 0.35 | 9.0 / 0.35 | 6.0 / 0.24 | 1.0 / 0.04 | 0.1-1.0 / 0.00-0.04 | Flush | 50 | Dissipative |
| 7190 CO | Tapered | XS | 108.0 / 4.29 | 9.0 / 0.35 | 9.0 / 0.35 | 6.0 / 0.24 | 1.0 / 0.04 | 0.2-1.0 / 0.00-0.04 | Micro-Bevel® | 50 | Conductive |
| 7191 CO | Tapered | XS | 108.0 / 4.29 | 9.0 / 0.35 | 9.0 / 0.35 | 6.0 / 0.24 | 1.0 / 0.04 | 0.1-1.0 / 0.00-0.04 | Flush | 50 | Conductive |



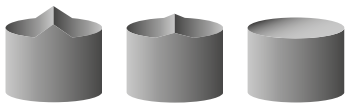
# Tapered & Relieved Head

- Precision screw joint minimizes friction and maximizes alignment of cutting edges
- Precision induction hardened cutting edges 63–65 HRC
- Material: High performance alloy steel
- Cutting capacity is listed for solid copper wire
- Black Oxide finish

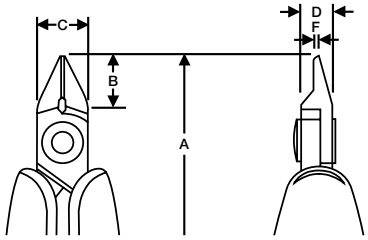




*Ideal for use in confined spaces and for rework*



**Micro-Bevel®** **Flush** **Ultra-Flush**




**RX Series:** Two-component ESD safe Ergo™ handles: Thermoplastic surface on tough polypropylene provides superior grip

- Micro-Touch™: The shape of the handles makes it possible to control and rotate the pliers between thumb and index finger for precision work
- Biospring reduces tension throughout the working cycle of the tool and can be adjusted in three different positions



*RX Series*

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | F mm / in | mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RX8136 | Tapered & Relieved | XS | 133.5 / 5.25 | 8.0 / 0.31 | 8.0 / 0.31 | 5.0 / 0.2 | 0.8 / 0.03 | 0.1-0.8 / 0.004-0.03 | Micro-Bevel® | 66 | Dissipative |
| RX 8137 | Tapered & Relieved | XS | 133.5 / 5.25 | 8.0 / 0.31 | 8.0 / 0.31 | 5.0 / 0.2 | 0.8 / 0.03 | 0.1-0.8 / 0.004-0.03 | Flush | 66 | Dissipative |
| RX8138 | Tapered & Relieved | XS | 133.5 / 5.25 | 8.0 / 0.31 | 8.0 / 0.31 | 5.0 / 0.2 | 0.8 / 0.03 | 0.1-0.5 / 0.004-0.02 | Ultra-Flush® | 66 | Dissipative |
| RX 8146 | Tapered & Relieved | S | 135.5 / 5.25 | 10.5 / 0.41 | 10.0 / 0.39 | 6.0 / 0.24 | 0.8 / 0.03 | 0.2-1.0 / 0.01-0.04 | Micro-Bevel® | 68 | Dissipative |
| RX 8147 | Tapered & Relieved | S | 135.5 / 5.25 | 10.5 / 0.41 | 10.0 / 0.39 | 6.0 / 0.24 | 0.8 / 0.03 | 0.1-1.0 / 0.00-0.04 | Flush | 68 | Dissipative |
| RX 8148 | Tapered & Relieved | S | 135.5 / 5.25 | 10.5 / 0.41 | 10.0 / 0.39 | 6.0 / 0.24 | 0.8 / 0.03 | 0.1-0.8 / 0.00-0.03 | Ultra-Flush® | 68 | Dissipative |
| RX 8156 | Tapered & Relieved | M | 138.0 / 5.30 | 13.0 / 0.51 | 12.5 / 0.49 | 6.0 / 0.24 | 1.2 / 0.05 | 0.3-1.25 / 0.01-0.05 | Ultra-Flush® | 70 | Dissipative |
| RX 8157 | Tapered & Relieved | M | 138.0 / 5.30 | 13.0 / 0.51 | 12.5 / 0.49 | 6.0 / 0.24 | 1.2 / 0.05 | 0.2-1.25 / 0.01-0.05 | Flush | 70 | Dissipative |
| RX 8158 | Tapered & Relieved | M | 138.0 / 5.30 | 13.0 / 0.51 | 12.5 / 0.49 | 6.0 / 0.24 | 1.2 / 0.05 | 0.2-1.0 / 0.01-0.04 | Ultra-Flush® | 70 | Dissipative |
| RX8166 | Tapered & Relieved | L | 147.0 / 5.80 | 16.0 / 0.63 | 16.0 / 0.63 | 8.0 / 0.31 | 1.6 / 0.06 | 0.4-1.5 / 0.02-0.06 | Micro-Bevel® | 139 | Dissipative |
| RX 8167 | Tapered & Relieved | L | 147.0 / 5.80 | 16.0 / 0.63 | 16.0 / 0.63 | 8.0 / 0.31 | 1.6 / 0.06 | 0.3-1.5 / 0.01–0.06 | Flush | 139 | Dissipative |
| RX 8168 | Tapered & Relieved | L | 147.0 / 5.80 | 16.0 / 0.63 | 16.0 / 0.63 | 8.0 / 0.31 | 1.6 / 0.06 | 0.3-1.25 / 0.01-0.05 | Ultra-Flush® | 139 | Dissipative |

# Tapered & Relieved Head

Lindström Unique Head




*RX Series*

## RX Series: EXTRA SLIM HEAD

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | F mm / in | mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RX8137MX | Tapered & Relieved | XS | 133.5 / 5.25 | 8.0 / 0.31 | 8.0 / 0.31 | 5.0 / 0.2 | 0.1 / 0.0 | 0.1-0.8 / 0.004-0.03 | Flush | 66 | Dissipative |
| RX8138MX | Tapered & Relieved | XS | 133.5 / 5.25 | 8.0 / 0.31 | 8.0 / 0.31 | 5.0 / 0.2 | 0.1 / 0.0 | 0.1-0.8 / 0.004-0.03 | Ultra-Flush® | 66 | Dissipative |

*Unique cutting heads developed together with specific end-user to solve critical applications*



*80 Series*

## 80 Series: ESD safe synthetic mono material with leaf springs

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | F mm / in | mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8136 | Tapered & Relieved | XS | 108.0 / 4.25 | 8.0 / 0.31 | 8.0 / 0.31 | 5.0 / 0.2 | 0.6 / 0.02 | 0.1-0.8 / 0.004-0.03 | Micro-Bevel® | 43 | Dissipative |
| 8137 | Tapered & Relieved | XS | 108.0 / 4.25 | 8.0 / 0.31 | 8.0 / 0.31 | 5.0 / 0.2 | 0.6 / 0.02 | 0.1-0.8 / 0.004-0.03 | Flush | 43 | Dissipative |
| 8138 | Tapered & Relieved | XS | 108.0 / 4.25 | 8.0 / 0.31 | 8.0 / 0.31 | 5.0 / 0.2 | 0.6 / 0.02 | 0.1-0.5 / 0.004-0.02 | Ultra-Flush® | 43 | Dissipative |
| 8146 | Tapered & Relieved | S | 110.5 / 4.33 | 10.0 / 0.39 | 10.0 / 0.39 | 6.0 / 0.24 | 0.8 / 0.03 | 0.2-1.0 / 0.01-0.04 | Micro-Bevel® | 46 | Dissipative |
| 8147 | Tapered & Relieved | S | 110.5 / 4.33 | 10.0 / 0.39 | 10.0 / 0.39 | 6.0 / 0.24 | 0.8 / 0.03 | 0.1-1.0 / 0.01-0.04 | Flush | 46 | Dissipative |
| 8148 | Tapered & Relieved | S | 110.5 / 4.33 | 10.0 / 0.39 | 10.0 / 0.39 | 6.0 / 0.24 | 0.8 / 0.03 | 0.1-0.8 / 0.00-0.03 | Ultra-Flush® | 45 | Dissipative |
| 8156 | Tapered & Relieved | M | 112.5 / 4.43 | 12.5 / 0.5 | 12.5 / 0.50 | 6.0 / 0.24 | 1.2 / 0.05 | 0.3-1.25 / 0.01-0.05 | Micro-Bevel® | 49 | Dissipative |
| 8157 | Tapered & Relieved | M | 112.5 / 4.43 | 12.5 / 0.5 | 12.5 / 0.50 | 6.0 / 0.24 | 1.2 / 0.05 | 0.2-1.25 / 0.01-0.05 | Flush | 49 | Dissipative |
| 8158 | Tapered & Relieved | M | 112.5 / 4.43 | 12.5 / 0.5 | 12.5 / 0.50 | 6.0 / 0.24 | 1.2 / 0.05 | 0.2-1.0 / 0.01-0.04 | Ultra-Flush® | 49 | Dissipative |
| 8166L | Tapered & Relieved | L | 125.0 / 4.92 | 16.0 / 0.63 | 16.0 / 0.63 | 8.0 / 0.31 | 1.6 / 0.06 | 0.4-1.5 / 0.02-0.06 | Micro-Bevel® | 52 | Dissipative |
| 8167L | Tapered & Relieved | L | 125.0 / 4.92 | 16.0 / 0.63 | 16.0 / 0.63 | 8.0 / 0.31 | 1.6 / 0.06 | 0.3-1.5 / 0.01-0.06 | Flush | 52 | Dissipative |
| 8168L | Tapered & Relieved | L | 125.0 / 4.92 | 16.0 / 0.63 | 16.0 / 0.63 | 8.0 / 0.31 | 1.6 / 0.06 | 0.3-1.25 / 0.01-0.05 | Ultra-Flush® | 51 | Dissipative |
| 8148 CO | Tapered & Relieved | S | 110.0 / 4.33 | 10.0 / 0.39 | 10.0 / 0.39 | 6.0 / 0.24 | 0.8 / 0.03 | 0.1-0.8 / 0.00-0.03 | Ultra-Flush® | 45 | Conductive |



*Flush cutters are identified by a circle on the handle.*
*Double circles indicate Ultra-Flush® cutters.*

# Stripping Head

- Precision screw joint minimizes friction and maximizes alignment of cutting edges
- Precision induction hardened cutting edges 63–65 HRC
- Material: High performance alloy steel
- Cutting capacity is listed for solid copper wire
- Black Oxide finish



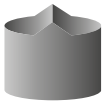


8160J
*Stripping Capacity: > 0,5 mm*

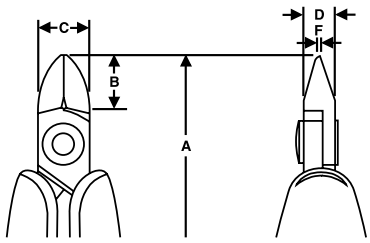


8150 SK
*Stripping Capacity: > 0,9 - 1,8 mm*

*Ideal for wire harness work & standard printed circuit board assembly*
*Also valid for stripping*



**Micro-Bevel®**




**Lindström**
**Unique Head**



*80 Series*

**80 Series:** ESD safe synthetic mono material with leaf springs

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | F mm / in | mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8150 J | Oval | M | 112.5 / 4.43 | 13.0 / 0.51 | 12.5 / 0.50 | 6.0 / 0.24 | 1.2 / 0.05 | Max / 0.5 | Micro-Bevel® | 50 | Dissipative |
| 8160 J | Oval | L | 125.0 / 4.92 | 16.0 / 0.62 | 16.0 / 0.63 | 8.0 / 0.31 | 1.6 / 0.06 | Max / 0.5 | Micro-Bevel® | 87 | Dissipative |

**Lindström**
**Unique Head**



*80 Series*

**80 Series:** ESD safe synthetic mono material with leaf springs

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | F mm / in | mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8150 SK | Oval | M | 112.5 / 4.43 | 13.0 / 0.51 | 12.5 / 0.50 | 6.0 / 0.24 | 1.2 / 0.05 | 0.3-1.6 / 0.01-0.06 | Micro-Bevel® | 50 | Dissipative |

*Unique cutting heads developed together with specific end-user to solve critical applications*



# Designed for Hard Wire Applications

# 7154TC Carbide Insert Cutter

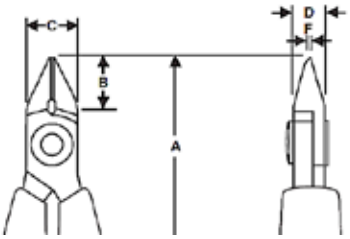
- Carbide Insert Cutters suitable for hard wire materials such as Nitinol, Stainless Steel, Platinum and Titanium
- High performance alloy steel material provides strength and reliability
- Precision lap joint with screw minimizes friction while maximizing cutting edge and tip alignment
- ESD Safe, comfortable synthetic handles with return spring for smooth operation
- Polished, natural finish provides protection against oxidation
- Cutting capacity hard wire from 0.10 mm to 0.20 mm / 0.004 in to 0.016 in. And when tip cutting max 0.2 mm / 0.008 in
- 8154PSP designed for soft materials







*Designed to Cut Guidewires, Catheters & Fine Trimming of Stents*




Lindström Unique Head



*Carbide Cutter*

**Carbide Insert:** ESD safe synthetic mono material with leaf springs

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | F mm / in | Soft Wire Cap. mm / in | Hard Wire Cap. mm / inch | | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7154TC | Tapered | M | 112.5 / 4.43 | 13.0 / 0.51 | 12.5 / 0.49 | 6.0 / 0.24 | 2.0 / 0.08 | 0.1-0.9 / 0.004-0.03 | 0.1-0.4 / 0.004-0.02 | Flush | Dissipative |
| 8154PSP | Tapered | M | 112.5 / 4.43 | 13.0 / 0.51 | 12.5 / 0.49 | 6.0 / 0.24 | 2.0 / 0.08 | 0.2-1.6 / 0.01-0.06 | - | Flush | Dissipative |

*Unique cutting heads developed together with specific end-user to solve critical applications*

**RX Series:** Two-component ESD safe Ergo™ handles: Thermoplastic surface on tough polypropylene provides superior grip

- Micro-Touch™: The shape of the handles makes it possible to control and rotate the pliers between thumb and index finger for precision work
- Biospring reduces tension throughout the working cycle of the tool and can be adjusted in three different positions



*RX Series*

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | F mm / in | Soft Wire Cap. mm / in | Hard Wire Cap. mm / inch | | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RX8140M2 | Oval | S | 135.5 / 5.33 | 10.5 / 0.41 | 10.0 / 0.39 | 6.0 / 0.24 | 0.8 / 0.03 | 0.2–1.25 / 0.01–0.05 | 0.2-0.5 / 0.01-0.02 | Micro-Bevel® | Dissipative |
| RX8150M2 | Oval | M | 138.0 / 5.43 | 13.0 / 0.51 | 12.5 / 0.49 | 6.0 / 0.24 | 1.2 / 0.05 | 0.3-1.6 / 0.01-0.06 | 0.2-0.8 / 0.01-0.03 | Micro-Bevel® | Dissipative |
| RX8160M2 | Oval | L | 147.0 / 5.80 | 16.0 / 0.63 | 16.0 / 0.63 | 8.0 / 0.31 | 1.6 / 0.06 | 0.4-2.0 / 0.02-0.08 | 0.3-0.8 / 0.01-0.03 | Micro-Bevel® | Dissipative |



*M2 Series*

**M2:** ESD safe synthetic mono material with leaf springs

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | F mm / in | Soft Wire Cap. mm / inch | Hard Wire Cap. mm / inch | | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8140M2 | Oval | S | 110.0 / 4.33 | 10.0 / 0.39 | 10.0 / 0.39 | 6.0 / 0.24 | 0.8 / 0.03 | 0.2–1.25 / 0.01–0.05 | 0.2-0.5 / 0.01-0.02 | Micro-Bevel® | Dissipative |
| 8150M2 | Oval | M | 112.5 / 4.43 | 12.5 / 0.50 | 12.5 / 0.50 | 6.0 / 0.24 | 1.2 / 0.05 | 0.3–1.6 / 0.01–0.06 | 0.2-0.8 / 0.01-0.03 | Micro-Bevel® | Dissipative |
| 8160 M2 | Oval | L | 125.0 / 4.92 | 16.0 / 0.63 | 16.0 / 0.63 | 8.0 / 0.31 | 1.6 / 0.06 | 0.4–2.0 / 0.02–0.08 | 0.3-0.8 / 0.01-0.03 | Micro-Bevel® | Dissipative |

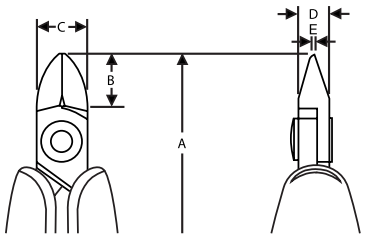
# Performance Specific Series

- Sharp and fully aligned edges
- Numerically controlled machining guarantees edge angle accuracy and contact, increasing the tools reliability and consistency
- Produced using high performance alloy steel material provides strength and reliability
- Induction hardening technique and modified cutting edges deliver precise cuts
- Precision screw joint minimizes friction while maximizing cutting edge and tip alignment
- ESD safe, comfortable synthetic handles with return springs for smooth operation
- Phosphate finish provides protection against oxidation and reduces glare under illumination





*Electrical & Electronic Medical Diagnostic Equipment and Instruments*




**RX Series:** Two-component ESD safe Ergo™ handles: Thermoplastic surface on tough polypropylene provides superior grip

- Micro-Touch™: The shape of the handles makes it possible to control and rotate the pliers between thumb and index finger for precision work
- Biospring reduces tension throughout the working cycle of the tool and can be adjusted in three different positions



*RX Series*

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | E mm / in | Soft Wire Cap. mm / in | Hard Wire Cap. mm / inch | | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RX8140PS | Oval | S | 135.5 / 5.33 | 10.5 / 0.41 | 10.0 / 0.39 | 6.0 / 0.24 | 0.8 / 0.03 | 0.2-1.25 / 0.01-0.05 | 0.2-0.5 / 0.01-0.02 | Micro-Bevel® | Dissipative |
| RX8141PS | Oval | S | 135.5 / 5.33 | 10.5 / 0.41 | 10.0 / 0.39 | 6.0 / 0.24 | 0.8 / 0.03 | 0.2-1.25 / 0.01-0.05 | 0.2-0.5 / 0.01-0.02 | Flush | Dissipative |
| RX 8142PS | Oval | S | 135.5 / 5.33 | 10.5 / 0.41 | 10.0 / 0.39 | 6.0 / 0.24 | 0.8 / 0.03 | 0.2-1.25 / 0.01-0.05 | - | Ultra-Flush® | Dissipative |
| RX 8147PS | Tapered et Relieved | S | 135.5 / 5.33 | 10.5 / 0.41 | 10.0 / 0.39 | 6.0 / 0.24 | 0.8 / 0.03 | 0.2-1.25 / 0.01-0.05 | 0.2-0.5 / 0.01-0.02 | Flush | Dissipative |
| RX8150PS | Oval | M | 138.0 / 5.43 | 12.5 / 0.50 | 12.5 / 0.50 | 6.0 / 0.24 | 1.2 / 0.05 | 0.3–1.6 / 0.01–0.06 | 0.2-0.8 / 0.01-0.03 | Micro-Bevel® | Dissipative |
| RX8160BPS | Oval | L | 147.0 / 5.80 | 16.0 / 0.63 | 16.0 / 0.63 | 8.0 / 0.31 | 1.6 / 0.06 | 0.3–2.0 / 0.01–0.08 | 0.3-0.8 / 0.01-0.03 | Micro-Bevel® | Dissipative |
| RX 8161PS | Oval | L | 147.0 / 5.80 | 16.0 / 0.63 | 16.0 / 0.63 | 8.0 / 0.31 | 1.6 / 0.06 | 0.3–2.0 / 0.01–0.08 | 0.3-0.8 / 0.01-0.03 | Flush | Dissipative |



*PS Series*

**PS:** ESD safe synthetic mono material with leaf springs

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | E mm / in | Soft Wire Cap. mm / in | Hard Wire Cap. mm / inch | | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8140PS | Oval | S | 110.0 / 4.33 | 10.5 / 0.41 | 10.0 / 0.39 | 6.0 / 0.24 | 0.8 / 0.03 | 0.2–1.25 / 0.01–0.05 | 0.2-0.5 / 0.01-0.02 | Micro-Bevel® | Dissipative |
| 8141PS | Oval | S | 110.0 / 4.33 | 10.5 / 0.41 | 10.0 / 0.39 | 6.0 / 0.24 | 0.8 / 0.03 | 0.2-1.25 / 0.01-0.05 | 0.2-0.5 / 0.01-0.02 | Flush | Dissipative |
| RX 8142PS | Oval | S | 110.0 / 4.33 | 10.5 / 0.41 | 10.0 / 0.39 | 6.0 / 0.24 | 0.8 / 0.03 | 0.1-1.0 / 0.00-0.04 | - | Ultra-Flush® | Dissipative |
| RX 8147PS | Tapered & Relieved | S | 110.5 / 4.33 | 10.0 / 0.39 | 10.0 / 0.39 | 6.0 / 0.24 | 0.8 / 0.03 | 0.1-1.0 / 0.01-0.04 | - | Flush | Dissipative |
| 8150PS | Oval | M | 112.5 / 4.43 | 12.5 / 0.50 | 12.5 / 0.50 | 6.0 / 0.24 | 1.2 / 0.05 | 0.3–1.6 / 0.01–0.06 | 0.2-0.8 / 0.01-0.03 | Micro-Bevel® | Dissipative |
| 8160PS | Oval | L | 125.0 / 4.92 | 16.0 / 0.63 | 16.0 / 0.63 | 8.0 / 0.31 | 1.6 / 0.06 | 0.3–2.0 / 0.01–0.08 | 0.3-0.8 / 0.01-0.03 | Micro-Bevel® | Dissipative |
| RX8160BPS | Oval | L | 125.0 / 4.92 | 16.0 / 0.63 | 16.0 / 0.63 | 10.0 / 0.31 | 1.6 / 0.06 | 0.4-2.0 / 0.02-0.08 | 0.3-0.8 / 0.01-0.03 | Micro-Bevel® | Dissipative |
| 8161PS | Oval | L | 125.0 / 4.92 | 16.0 / 0.63 | 16.0 / 0.63 | 8.0 / 0.31 | 1.6 / 0.06 | 0.3–2.0 / 0.01–0.08 | 0.3-0.8 / 0.01-0.03 | Flush | Dissipative |

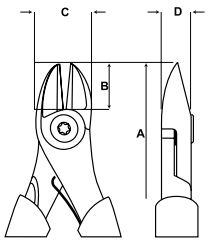
# ERGO™ Precision Diagonal Plastic Cutters

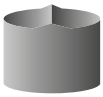
- Developed according to the ERGO® process for a comfortable and effective grip in all situations
- Rivet joint that minimizes friction and maximizes jaw alignment
- ESD safe handles in 2-component synthetic material
- On/off spring enables reduced profile for easy storage
- Extremely strong construction for long lasting performance
- Designed to produce a Flush cut result on plastic, nylon and cabled wire applications







**Flush**




*ERGO Side Cutter*

**ERGO Side Cutter:** Two-component ESD safe Ergo™ handles: Thermoplastic surface on tough polypropylene provides superior grip

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | mm / in | mm / in | | g |
|---|---|---|---|---|---|---|---|---|---|---|
| P6160 | Oval | L | 160.0 / 6.3 | 18.0 / 0.7 | 21.5 / 0.85 | 10.0 / 0.39 | 1.5 / 0.059 | 3.0 / 0.118 | Flush | 162 |

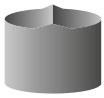


# Heavy Duty Diagonal Cutters



- Developed according to the ERGO® process for a comfortable and effective grip in all situations
- Progressive bevel cutting edge: The cutting bevel progresses along the edge in order to cut soft and thin material at the tip. Hard and thick material close to the joint
- Rivet joint minimizes friction and maximizes jaw alignment
- Cutting edges hardened to 63–65 HRC for durable performance
- High leverage joint to reduce cutting force
- Equipped with a return spring featuring an on/off function
- High performance alloy steel
- Black Oxide finish and anti-corrosion treated





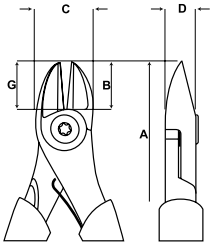
**Flush**



**Progressive Micro-Bevel® cutting edge**



*Progressive Bevel technology for both soft and hard wire applications*







*RX Series*

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | mm / in | mm / in | mm / in | | g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TRX 8180 | Oval | L | 210.0 / 8.26 | 21.0 / 0.82 | 29.0 / 1.141 | 11.0 / 0.433 | 4.5 / 0.177 | 3.0 / 0.118 | 2.5 / 0.10 | Progressive Bevel | 304 |



LINDSTRÖM®

EDGE



# THE BEST SHEAR CUTTERS YOU WILL EVER OWN

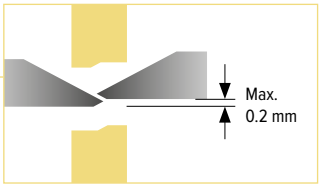
PRECISION SHEAR CUTTERS

# EDGE: A new line of precision shear cutters made by Lindström

Lindström has maintained an edge over the competition thanks to our focus on quality, technical know-how, customer service and commitment to innovation and technology for more than 160 years.

One such example are Lindström's original diagonal precision cutters, our highest-quality precision tools and the best on the market. Now, we are channelling this expertise into our newest line of shear cutters, EDGE, manufactured in the state-of-the-art Lindström facilities in Spain.

With our diverse end users in mind, we have maintained our commitment to quality to develop this more affordable line of durable, multipurpose shear cutters. Designed to meet the daily needs of professionals working in electronics, jewellery, watchmaking, precision engineering, fine mechanics and general industries, everyone from artisans to engineers can execute precise cuts and push the potential of their work.




The sharp cutting edges bypass each other by a mere 0.2 mm as they cut the work piece thanks to the **EDGE shear misalignment technology.**

**Lightweight and ergonomic** design featuring an opening limiter to ensure smooth movements that help minimise hand fatigue.

Designed and built to last, the EDGE shear cutters are available in **high-performance alloy steel** for excellent durability, and in **stainless steel** for long-lasting, corrosion-resistant use.

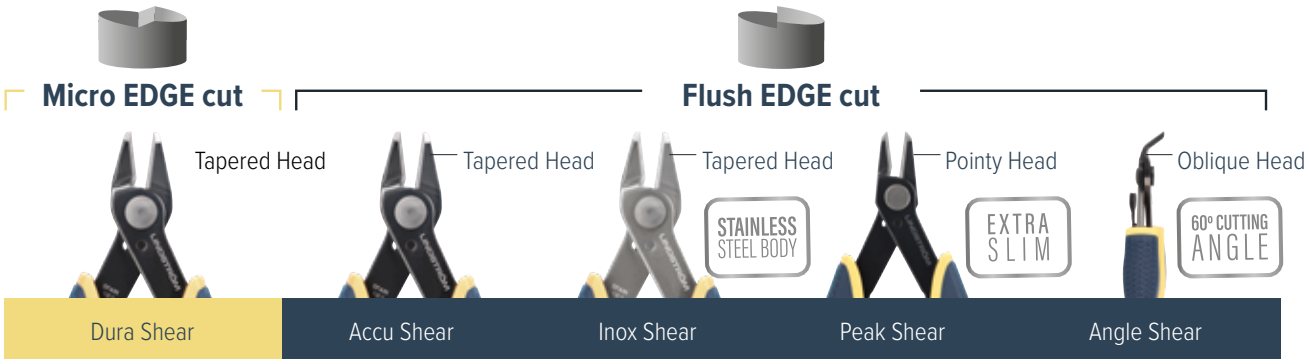



**Multipurpose shear cutters suitable for cutting:**

- Copper wire
- Silver, bronze, gold
- Standard steel
- Plastics
- Glass fibre cables
- Insulated cables
- Ties
- Corded material of all types
- Fish bones (6152SS)

A phosphate body and zinc flake-coated return spring to ensure the **highest protection against corrosion.**

**Bi-material handles** that are soft and comfortable to the touch, perfect for prolonged use. Suitable for all applications, including electronics, thanks to the ESD safe insulation. Don't compromise, get all the best features in one shear cutter!



# The EDGE line of shear cutters

## TAPERED HEAD

### Dura Shear | 6151

Coupe Micro EDGE

The EDGE Dura Shear Cutters offer durability like no other. Their machine-ground symmetrical edge angles with bevels deliver a consistent Micro EDGE cut result, suitable for fine cutting work on sensitive electronics and precious metals, with a tapered head that facilitates access to compact spaces.



### Accu Shear | 6152

Coupe EDGE affleurante

The EDGE Accu Shear Cutters are the ultimate cutting tool for executing precise cuts, designed by experts for working with the finest and most precious materials. The by-pass cutting technology produces an extremely clean, flush cut of the workpiece, thanks to the unique EDGE shear misalignment of the induction-hardened cutting blades with non-bevelled edges.

Perfect for jewellery, watchmaking, fine mechanics, radio technicians, industrial electricians, mechatronics engineers and electronics engineers.

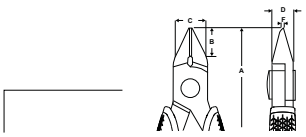
### Inox Shear | 6152SS

Coupe EDGE affleurante

The EDGE Inox Shear Cutters are the ideal cutting tool for working in cleanrooms. The 6152SS shear cutters are corrosion and wear resistant, making them the perfect choice for applications that require sterilised instruments. Achieve extremely clean, flush cuts thanks to the unique EDGE shear misalignment of the induction-hardened cutting blades with non-bevelled edges.

Perfect for cleanrooms, pharmaceutical industries, medical device manufacturing and the fish industry.




| Part No. | Model | | | A mm / in | B mm / in | C mm / in | D mm / in | F mm / in | mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6151 | Dura Shear | Tapered | M | 134 / 5.28 | 14 / 0.55 | 15.0 / 0.59 | 5.0 / 0.20 | 1.0 / 0.04 | 0.2-1.6 / 0.01-0.06 | Micro EDGE | 55 | Dissipative |
| 6152 | Accu Shear | Tapered | M | 134 / 5.28 | 14 / 0.55 | 15.0 / 0.59 | 5.0 / 0.20 | 1.0 / 0.04 | 0.2-1.6 / 0.01-0.06 | Flush EDGE | 55 | Dissipative |
| 6152SS | Inox Shear | Tapered | M | 134 / 5.28 | 14 / 0.55 | 15.0 / 0.59 | 5.0 / 0.20 | 1.0 / 0.04 | 0.2-1.6 / 0.01-0.06 | Flush EDGE | 58 | Dissipative |

## POINTY HEAD

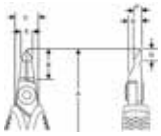
### Peak Shear | 6159

Coupe EDGE affleurante

The EDGE Peak Shear Cutters offer outstanding accessibility for applications ranging from microscopy to micro-electronics applications. This model's unique, pointy head, symmetrical tips and non-bevelled blades provide maximum access and reach and allow users to get underneath delicate components and execute Flush EDGE cuts on hard-to-access wires.

Perfect for fine mechanics, industrial electricians, mechatronics engineers and micro-electronics specialists.



| Part No. | Model | | | A mm / in | B mm / in | C mm / in | D mm / in | E mm / in | G mm / in | H mm / in | mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6159 | Peak Shear | Pointy | M | 134 / 5.28 | 14 / 0.55 | 12.8 / 0.50 | 5.0 / 0.20 | 1.0 / 0.04 | 5.0 / 0.23 | 3.2 / 0.13 | 0.2-1.0 / 0.01-0.039 | Flush EDGE | 54 | Dissipative |

## OBLIQUE HEAD

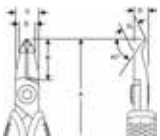
### Angle Shear | 6258

Coupe EDGE affleurante

The EDGE Angle Shear Cutters are the ideal tool for rework and close assembly cutting in electronics, allowing users to cut both horizontally and vertically. The 60° angle of the oblique head offers increased reach, visibility and accessibility under and between low-profile, fine-pitch components, ideal for assembly and rework where accessibility is a priority, such as printed circuit boards.

Perfect for industrial electricians, mechatronics engineers, electronics engineers.



| Part No. | Model | | | A mm / in | B mm / in | C mm / in | D mm / in | E mm / in | G mm / in | mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6258 | Angle Shear | Oblique | M | 130 / 5.12 | 10 / 0.39 | 15.0 / 0.59 | 6.3 / 0.25 | 1.0 / 0.04 | 6.7 / 0.26 | 0.2-1.0 / 0.01-0.039 | Flush EDGE | 55 | Dissipative |

# Multipurpose Shear

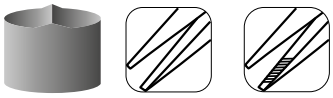
- User-friendly, durable and fits comfortably in either hand
- High carbon steel blades with a hardness of 57–59 HRC
- Serrations on one cutting edge to prevent the material being cut from sliding away (HS6000)
- Precision screw joint that minimizes friction and maximizes alignment of cutting edges
- ESD safe non-slip, foam cushioned grips



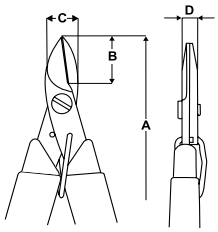




*Ideal for cutting Kevlar, insulation, cables, cable ties, and corded material of all types*



**Flush** Smooth Serrated






*HS Series*

| Part No. | | | A mm / in | B mm / in | D mm / in | | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|
| HS6000 | Serrated-Jaws | L | 145.0 / 5.7 | 29.0 / 1.1 | 6.4 / 0.2 | Serrated | Kevlar | 88 | Dissipative |
| HS6001 | Smooth-Jaws | L | 145.0 / 5.7 | 29.0 / 1.1 | 6.4 / 0.2 | Smooth | Kevlar | 88 | Dissipative |



# Oblique Cutters

# 11° Oblique Head

- Precision screw joint minimizes friction and maximizes alignment of cutting edges
- Precision induction hardened cutting edges 63–65 HRC
- Material: High performance alloy steel
- Cutting capacity is listed for solid copper wire
- Natural finish

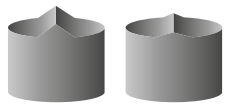




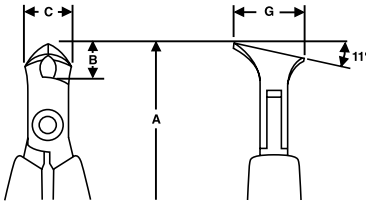


*Durable, robust cutting blade design*
*11 Degree angle ideal for confined space access*

*Excellent for rework and close assembly applications*



**Micro-Bevel®** **Flush**






*Supreme Series*

**Supreme Series:** ESD safe synthetic mono material with leaf springs
Natural finish

| Part No. | | | A mm / in | B mm / in | C mm / in | G mm / in | mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|
| 7290 | End | S | 108.0 / 4.25 | 8.0 / 0.31 | 10.5 / 0.41 | 15.0 / 0.59 | 0.35-1.25 / 0.01-0.05 | Micro-Bevel® | 56 | Dissipative |
| 7291 | End | S | 108.0 / 4.25 | 8.0 / 0.31 | 10.5 / 0.41 | 15.0 / 0.59 | 0.35-1.25 / 0.01-0.05 | Flush | 56 | Dissipative |

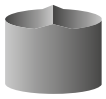
# Miniature End Cutter

- Precision screw joint minimizes friction and maximizes alignment of cutting edges
- Precision induction hardened cutting edges 63–65 HRC
- Material: High performance alloy steel
- Cutting capacity is listed for solid copper wire
- Natural finish

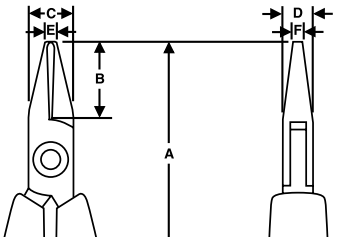




*Miniature head ideal for use in confined spaces*
*Thin and short head for extra accessibility*



**Flush**






*Supreme Series*

**Supreme Series:** ESD safe synthetic mono material with leaf springs
Natural finish

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | E mm / in | F mm / in | mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7292 | Fin | S | 117.5 / 4.53 | 16.5 / 0.59 | 9.0 / 0.35 | 6.0 / 0.24 | 3.2 / 0.13 | 4.0 / 0.16 | 0.35-0.8 / 0.01–0.03 | Flush | 10 | Dissipative |

Lindström
Unique Head

**Thin Tip:** FOR EXTRA ACCESSIBILITY

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | E mm / in | F mm / in | mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7292G | Fin | S | 117.5 / 4.53 | 16.4 / 0.59 | 9.0 / 0.35 | 6.0 / 0.24 | 2.8 / 0.09 | 4.0 / 0.16 | 0.35-0.8 / 0.01–0.03 | Flush | 10 | Dissipative |

*Unique cutting heads developed together with specific end-user to solve critical applications*

# 11° Oblique End Cutter, Short Blade

- Precision screw joint minimizes friction and maximizes alignment of cutting edges
- Precision induction hardened cutting edges 63–65 HRC
- Material: High performance alloy steel
- Cutting capacity is listed for solid copper wire
- Black Oxide finish

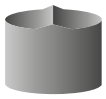




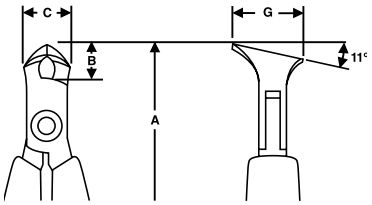


*Durable, robust cutting blade design*
*11 Degree angle ideal for confined space access*

*Excellent for rework and close assembly applications*



**Flush**




**Supreme Series:** ESD safe synthetic mono material with leaf springs
Natural finish



*Supreme Series*

| Part No. | End | S | A mm / in | B mm / in | C mm / in | G mm / in | mm / in | Flush | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|
| 7293 | End | S | 108 / 4.25 | 8.0 / 0.31 | 10.5 / 0.41 | 8.0 / 0.31 | 0.35-1.0 / 0.01-0.04 | Flush | 56 | Dissipative |

# 20° Short Head

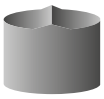
- Precision screw joint minimizes friction and maximizes alignment of cutting edges
- Precision induction hardened cutting edges 63–65 HRC
- Material: High performance alloy steel
- Cutting capacity is listed for solid copper wire
- Black Oxide finish



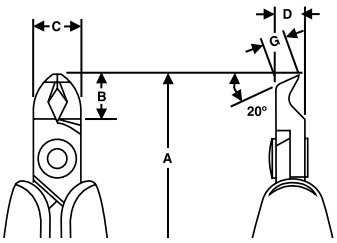




*Ideal for assembly and rework where accessibility is a consideration*



**Flush**




**RX Series:** Two-component ESD safe Ergo™ handles: Thermoplastic surface on tough polypropylene provides superior grip

- Micro-Touch™: The shape of the handles makes it possible to control and rotate the pliers between thumb and index finger for precision work
- Biospring reduces tension throughout the working cycle of the tool and can be adjusted in three different positions



*RX Series*

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | G mm / in | mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RX 8211 | Angle 20° | S | 134.5 / 5.29 | 9.5 / 0.37 | 10.0 / 0.39 | 6.0 / 0.24 | 4.1 / 0.16 | 0.2-1.2 / 0.01-0.05 | Flush | 70 | Dissipative |



*80 Series*

**80 Series:** ESD safe synthetic mono material with leaf springs

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | G mm / in | mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8211 | Angle 20° | S | 110.0 / 4.33 | 9.5 / 0.37 | 10.0 / 0.39 | 6.0 / 0.24 | 4.1 / 0.16 | 0.2-1.2 / 0.01-0.05 | Flush | 43 | Dissipative |

## 45° TAPERED HEAD

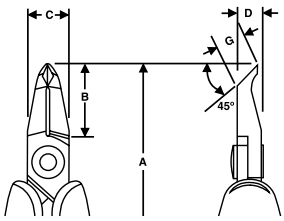
- Precision screw joint minimizes friction and maximizes alignment of cutting edges
- Precision induction hardened cutting edges 63–65 HRC
- Material: High performance alloy steel
- Cutting capacity is listed for solid copper wire
- Black Oxide finish





Flush

*Ideal for assembly and rework where accessibility is a consideration*




**RX Series:** Two-component ESD safe Ergo™ handles: Thermoplastic surface on tough polypropylene provides superior grip

- Micro-Touch™: The shape of the handles makes it possible to control and rotate the pliers between thumb and index finger for precision work
- Biospring reduces tension throughout the working cycle of the tool and can be adjusted in three different positions



*RX Series*

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | G mm / in | mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RX 8247 | Angle 45° | S | 143.0 / 5.63 | 18.0 / 0.71 | 10.0 / 0.39 | 6.0 / 0.24 | 6.7 / 0.26 | 0.2-1.0 / 0.01-0.04 | Flush | 72 | Dissipative |



*80 Series*

**80 Series:** ESD safe synthetic mono material with leaf springs

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | G mm / in | mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8247 | Angle 45° | S | 117.5 / 4.63 | 18.0 / 0.71 | 10.0 / 0.39 | 6.0 / 0.24 | 6.7 / 0.26 | 0.2-1.0 / 0.01-0.04 | Flush | 51 | Dissipative |
| 8247 CO | Angle 45° | S | 117.5 / 4.63 | 18.0 / 0.71 | 10.0 / 0.39 | 6.0 / 0.24 | 6.7 / 0.26 | 0.2-1.0 / 0.01-0.04 | Flush | 51 | Conductive |

## 45° TAPERED & RELIEVED HEAD

- Precision screw joint minimizes friction and maximizes alignment of cutting edges
- Precision induction hardened cutting edges 63–65 HRC
- Material: High performance alloy steel
- Cutting capacity is listed for solid copper wire
- Black Oxide finish

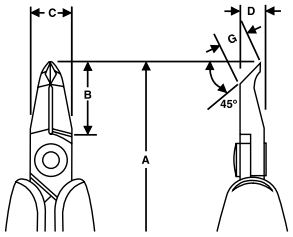




*Ideal for assembly and rework where accessibility is a consideration*



**Flush**




**RX Series:** Two-component ESD safe Ergo™ handles: Thermoplastic surface on tough polypropylene provides superior grip

- Micro-Touch™: The shape of the handles makes it possible to control and rotate the pliers between thumb and index finger for precision work
- Biospring reduces tension throughout the working cycle of the tool and can be adjusted in three different positions



RX Series

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | G mm / in | mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RX 8248 | Angle 45° | S | 143.0 / 5.63 | 18.0 / 0.71 | 10.0 / 0.39 | 6.0 / 0.24 | 6.7 / 0.26 | 0.2-0.8 / 0.01-0.03 | Flush | 72 | Dissipative |



*80 Series*

**80 Series:** ESD safe synthetic mono material with leaf springs

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | G mm / in | mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8248 | Angle 45° | S | 117.5 / 4.63 | 18.0 / 0.71 | 10.0 / 0.39 | 6.0 / 0.24 | 6.7 / 0.26 | 0.2-0.8 / 0.01-0.03 | Flush | 51 | Dissipative |
| 8249 | Angle 45° | S | 117.5 / 4.63 | 18.0 / 0.71 | 10.0 / 0.39 | 6.0 / 0.24 | 6.4 / 0.25 | 0.2-0.8 / 0.01-0.03 | Flush | 51 | Dissipative |
| 8248 CO | Angle 45° | S | 117.5 / 4.63 | 18.0 / 0.71 | 10.0 / 0.39 | 6.0 / 0.24 | 6.7 / 0.26 | 0.2-0.8 / 0.01-0.03 | Flush | 51 | Conductive |

Lindström Unique Head

**80 Series:** EXTRA LONG HEAD

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | G mm / in | mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8248Q | Angle 45° | S | 117.5 / 4.63 | 18.0 / 0.71 | 10.0 / 0.39 | 6.0 / 0.24 | 7.5 / 0.29 | 0.2-0.8 / 0.00-0.03 | Ultra-Flush® | 51 | Dissipative |

*Unique cutting heads developed together with specific end-user to solve critical applications*

# Reverse Angle

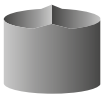
- Precision screw joint minimizes friction and maximizes alignment of cutting edges
- Precision induction hardened cutting edges 63–65 HRC
- Material: High performance alloy steel
- Cutting capacity is listed for solid copper wire
- Black Oxide finish



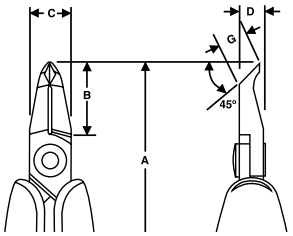




*Ideal for assembly work where accessibility is a consideration*



**Flush**




**Supreme Series:** ESD safe mono material handles in synthetic material with leaf springs
Natural finish



Supreme Series

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | G mm / in | mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7280 | Angle 45° | S | 120.0 / 4.72 | 20.0 / 0.79 | 9.0 / 0.35 | 6.0 / 0.24 | 3.5 / 0.14 | 0.2-08 / 0.01-0.03 | Flush | 56 | Dissipative |

**Supreme Series:** ESD safe mono material handles in synthetic material with leaf springs
Natural finish



*Supreme Series*

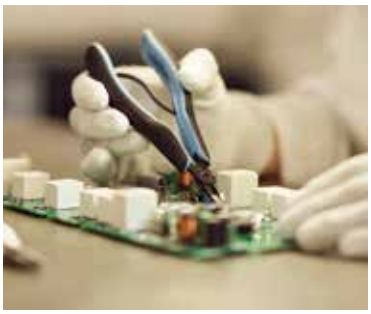
| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | G mm / in | mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7285 | Angle 45° | S | 120.0 / 4.72 | 20.0 / 0.79 | 9.0 / 0.35 | 6.0 / 0.24 | 6.0 / 0.26 | 0.2-1.0 / 0.01-0.04 | Flush | 56 | Dissipative |



# Tip & Micro Tip Cutters

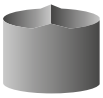
# Tip Cutter

- Precision screw joint minimizes friction and maximizes alignment of cutting edges
- Precision induction hardened cutting edges 63–65 HRC
- Material: High performance alloy steel
- Cutting capacity is listed for solid copper wire
- Black Oxide finish

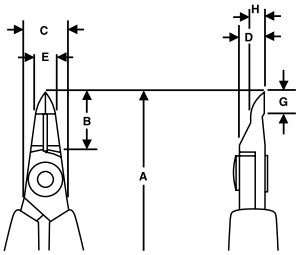




*Ideal for use on multi-lead components and rework*



**Flush**




**RX Series:** Two-component ESD safe Ergo™ handles: Thermoplastic surface on tough polypropylene provides superior grip

- Micro-Touch™: The shape of the handles makes it possible to control and rotate the pliers between thumb and index finger for precision work
- Biospring reduces tension throughout the working cycle of the tool and can be adjusted in three different positions



*RX Series*

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | E mm / in | G mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RX 8149 | Tip Cutter | S | 139.0 / 5.47 | 14.0 / 0.55 | 5.0 / 0.23 | 6.0 / 0.24 | 5.0 / 0.23 | 5.0 / 0.23 | Flush | 70 | Dissipative |



*80 Series*

**80 Series:** ESD safe synthetic mono material with leaf springs

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | E mm / in | G mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8149 | Tip Cutter | S | 114.0 / 4.49 | 14.0 / 0.55 | 5.0 / 0.23 | 6.0 / 0.24 | 5.0 / 0.23 | 5.0 / 0.23 | Flush | 48 | Dissipative |

# Micro Tip Cutter

- Developed according to the ERGO® process for a comfortable and effective grip in all situations
- Material: High performance alloy steel
- Precision induction hardened edges 63–65 HRC
- ESD safe handles in 2-component synthetic material
- Precision screw joint minimizes friction and maximizes alignment of cutting edges
- Cutting capacity listed is for solid copper wire
- Black Oxide finish



RX 8233A

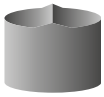


*RX 8234A*

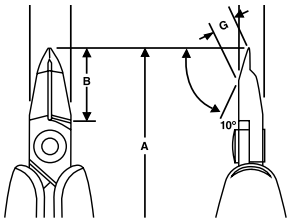


*RX 8237A*

*Ideal for rework and close fine pitch applications*



**Flush**




*RX8233A, RX8234A*

**RX Series:** Two-component ESD safe Ergo™ handles: Thermoplastic surface on tough polypropylene provides superior grip

- Micro-Touch™: The shape of the handles makes it possible to control and rotate the pliers between thumb and index finger for precision work
- Biospring reduces tension throughout the working cycle of the tool and can be adjusted in three different positions



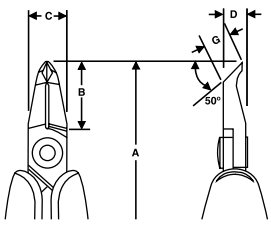
*RX Series*

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | G mm / in | mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RX8233A | Micro Tip 10° | XS | 149.0 / 5.9 | 22.3 / 0.87 | 10.6 / 0.41 | 7.0 / 0.27 | 7.2 / 0.28 | 0.1-0.6 / 0.004-0.024 | A Ras | 69 | Disipativo |



*RX Series*

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | G mm / in | mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RX8234A | Micro Tip 10° | XS | 141.0 / 4.50 | 14.2 / 0.56 | 10.6 / 0.41 | 7.0 / 0.27 | 3.2 / 0.12 | 0.05-0.4 / 0.002-0.018 | A Ras | 62 | Disipativo |




*RX8237A*



*RX Series*

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | G mm / in | mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RX8237A | Micro Tip 50° | XS | 144.0 / 5.6 | 17.4 / 0.69 | 10.6 / 0.41 | 7.0 / 0.27 | 4.1 / 0.16 | 0.1-0.5 / 0.004-0.02 | A Ras | 65 | Disipativo |



# Precision Holding Pliers

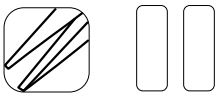
# Flat Nose

- Precision screw joint that minimizes friction and maximizes alignment of cutting edges
- Polished and tough hardened 55-58 HRC
- Material: High performance alloy steel
- Natural finish





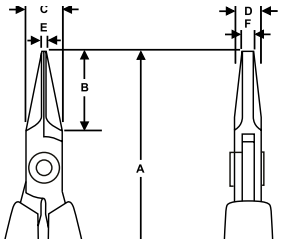
*• Flat square shape with parallel jaws provide the best surface area of standard pliers shapes*
*• Favored by chainmaille artists*



Smooth



Flat Nose




**RX Series:** Two-component ESD safe Ergo™ handles: Thermoplastic surface on tough polypropylene provides superior grip

- Micro-Touch™: The shape of the handles makes it possible to control and rotate the pliers between thumb and index finger for precision work
- Biospring reduces tension throughout the working cycle of the tool and can be adjusted in three different positions



*RX Series*

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | F mm / in | mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RX 7390 | Flat Nose Stubby | S | 137.0 / 5.40 | 11.0 / 0.43 | 10.0 / 0.39 | 6.0 / 0.24 | 6.0 / 0.24 | 0.8 / 0.07 | Smooth | 70 | Dissipative |
| RX 7392 | Oblique, Stubby | S | 137.0 / 5.40 | 12.0 / 0.48 | 10.0 / 0.39 | 6.0 / 0.24 | 6.0 / 0.24 | 1.6 / 0.07 | Smooth | 70 | Dissipative |
| RX 7490 | Flat Nose | S | 146.5 / 5.77 | 20.0 / 0.79 | 9.0 / 0.35 | 6.0 / 0.24 | 1.2 / 0.05 | 3.2 / 0.12 | Smooth | 70 | Dissipative |



*Supreme Series*

**Supreme Series:** ESD safe synthetic mono material with leaf springs

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | F mm / in | mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7490 | Flat Nose | S | 120.0 / 4.72 | 20.0 / 0.79 | 9.0 / 0.35 | 6.0 / 0.24 | 1.2 / 0.05 | 3.2 / 0.13 | Smooth | 70 | Dissipative |
| 7490 CO | Flat Nose | S | 120.0 / 4.72 | 20.0 / 0.79 | 9.0 / 0.35 | 6.0 / 0.24 | 1.2 / 0.05 | 3.2 / 0.13 | Smooth | 53 | Conductive |

# Round Nose

- Precision screw joint that minimizes friction and maximizes alignment of cutting edges
- Polished and tough hardened 55-58 HRC
- Material: High performance alloy steel
- Natural finish







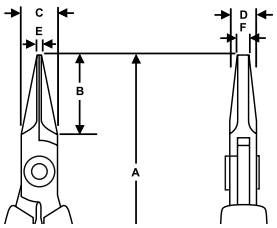
*• Round jaws taper from 7 mm to 1.0 mm at the tips*
*• Handy for closing loops and the finest wire work*



**Smooth**



**Round Nose**




**RX Series:** Two-component ESD safe Ergo™ handles: Thermoplastic surface on tough polypropylene provides superior grip

- Micro-Touch™: The shape of the handles makes it possible to control and rotate the pliers between thumb and index finger for precision work
- Biospring reduces tension throughout the working cycle of the tool and can be adjusted in three different positions



*RX Series*

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | E mm / in | F mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RX 7590 | Round Nose | S | 146.5 / 5.77 | 20.0 / 0.79 | 9.0 / 0.35 | 6.0 / 0.24 | 1.4 / 0.055 | 0.7 / 0.027 | Smooth | 69 | Dissipative |



*Supreme Series*

**Supreme Series:** ESD safe synthetic mono material with leaf springs

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | E mm / in | F mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7590 | Round Nose | S | 120.0 / 4.72 | 20.0 / 0.79 | 9.0 / 0.35 | 6.0 / 0.24 | 1.4 / 0.055 | 0.7 / 0.027 | Smooth | 69 | Dissipative |
| 7591 | Round Nose | S | 128.1 / 5.04 | 30.0 / 1.18 | 9.0 / 0.35 | 6.0 / 0.24 | 1.8 / 0.070 | 0.9 / 0.035 | Smooth | 69 | Dissipative |
| 7590 CO | Round Nose | S | 120.0 / 4.72 | 20.0 / 0.79 | 9.0 / 0.35 | 6.0 / 0.24 | 1.4 / 0.055 | 0.7 / 0.027 | Smooth | 54 | Conductive |

# Chain Nose

- Precision screw joint that minimizes friction and maximizes alignment of cutting edges
- Polished and tough hardened 55-58 HRC
- Material: High performance alloy steel
- Natural finish

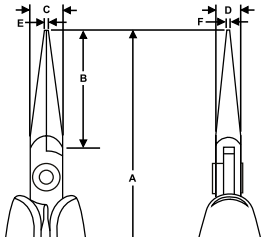




*Designed to bend wire, these tips align like D-shaped pinchers*



Smooth | Serrated | Chain Nose




**RX Series:** Two-component ESD safe Ergo™ handles: Thermoplastic surface on tough polypropylene provides superior grip

- Micro-Touch™: The shape of the handles makes it possible to control and rotate the pliers between thumb and index finger for precision work
- Biospring reduces tension throughout the working cycle of the tool and can be adjusted in three different positions



*RX Series*

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | E mm / in | F mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RX 7890 | Chain Nose | S | 158.5 / 6.24 | 32.0 / 1.26 | 9.0 / 0.35 | 6.0 / 0.24 | 1.2 / 0.05 | 0.8 / 0.03 | Smooth | 72 | Dissipative |
| RX 7891 | Chain Nose | S | 158.5 / 6.24 | 32.0 / 1.26 | 9.0 / 0.35 | 6.0 / 0.24 | 1.2 / 0.05 | 0.8 / 0.03 | Serrated | 72 | Dissipative |



*Supreme Series*

**Supreme Series:** ESD safe synthetic mono material with leaf springs

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | E mm / in | F mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7890 | Chain Nose | M | 132.0 / 5.20 | 32.0 / 1.26 | 9.0 / 0.35 | 6.0 / 0.24 | 1.2 / 0.05 | 0.8 / 0.03 | Smooth | 72 | Dissipative |
| 7891 | Chain Nose | M | 132.0 / 5.20 | 32.0 / 1.26 | 9.0 / 0.35 | 6.0 / 0.24 | 1.2 / 0.05 | 0.8 / 0.03 | Serrated | 72 | Dissipative |
| 7890 CO | Chain Nose | M | 132.0 / 5.20 | 32.0 / 1.26 | 9.0 / 0.35 | 6.0 / 0.24 | 1.2 / 0.05 | 0.8 / 0.03 | Smooth | 60 | Conductive |
| 7891 CO | Chain Nose | M | 132.0 / 5.20 | 32.0 / 1.26 | 9.0 / 0.35 | 6.0 / 0.24 | 1.2 / 0.05 | 0.8 / 0.03 | Serrated | 59 | Conductive |

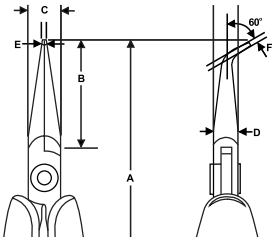
# Bent Nose

- 60° Bent Tip Snipe Nose Pliers with Dual-Component Synthetic Handle
- Precision screw joint that minimizes friction and maximizes alignment of cutting edges
- Polished and tough hardened 55-58 HRC
- Material: High performance alloy steel
- Natural finish





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






**Smooth**



**Bent Nose**

**RX Series:** Two-component ESD safe Ergo™ handles: Thermoplastic surface on tough polypropylene provides superior grip

- Micro-Touch™: The shape of the handles makes it possible to control and rotate the pliers between thumb and index finger for precision work
- Biospring reduces tension throughout the working cycle of the tool and can be adjusted in three different positions



*RX Series*

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | E mm / in | F mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RX 7892 | Bent Nose | M | 155.5 / 6.12 | 29.0 / 1.14 | 9.0 / 0.35 | 6.0 / 0.24 | 1.2 / 0.05 | 0.8 / 0.03 | Smooth | 73 | Dissipative |



*Supreme Series*

**Supreme Series:** ESD safe synthetic mono material with leaf springs

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | E mm / in | F mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7892 | Bent Nose | M | 129.0 / 5.08 | 29.0 / 1.14 | 9.0 / 0.35 | 6.0 / 0.24 | 1.2 / 0.05 | 0.8 / 0.03 | Smooth | 73 | Dissipative |
| 7892 CO | Bent Nose | M | 129.0 / 5.08 | 29.0 / 1.14 | 9.0 / 0.35 | 6.0 / 0.24 | 1.2 / 0.05 | 0.8 / 0.03 | Smooth | 73 | Conductive |

# Snipe Nose

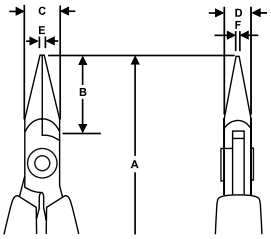
- ERGO™ Short Snipe Nose Pliers with Dual-Component Synthetic Handle
- Developed according to the ERGO® process for a comfortable and effective grip in all situations
- Material: High performance alloy steel
- Polished and tough hardened 55-58 HRC
- Precision screw joint that minimizes friction and maximizes alignment of jaw alignment



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



**Smooth** **Serrated** **Chain Nose**




**RX Series:** Two-component ESD safe Ergo™ handles: Thermoplastic surface on tough polypropylene provides superior grip

- Micro-Touch™: The shape of the handles makes it possible to control and rotate the pliers between thumb and index finger for precision work
- Biospring reduces tension throughout the working cycle of the tool and can be adjusted in three different positions



*RX Series*

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | E mm / in | F mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RX 7893 | Snipe Nose, Short | S | 146.5 / 5.77 | 20.0 / 0.79 | 9.0 / 0.35 | 6.0 / 0.24 | 1.2 / 0.05 | 0.8 / 0.03 | Lisa | 71 | Disipativo |



*Supreme Series*

**Supreme Series:** ESD safe synthetic mono material with leaf springs

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | E mm / in | F mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7893 | Snipe Nose, Short | S | 120.0 / 4.72 | 20.0 / 0.79 | 9.0 / 0.35 | 6.0 / 0.24 | 1.2 / 0.05 | 0.8 / 0.03 | Lisa | 56 | Disipativo |
| 7893K | Snipe Nose, Short | S | 120.0 / 4.72 | 20.0 / 0.79 | 9.0 / 0.35 | 6.0 / 0.24 | 1.2 / 0.05 | 0.8 / 0.03 | Dentada | 56 | Disipativo |

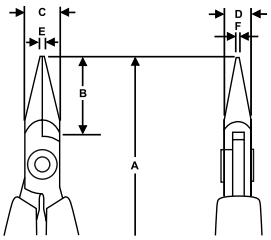
# Needle Nose

- ERGO™ Short Needle Nose Pliers with Dual-Component Synthetic Handle
- Developed according to the ERGO® process for a comfortable and effective grip in all situations
- Material: High performance alloy steel
- Polished and tough hardened 55-58 HRC
- Precision screw joint that minimizes friction and maximizes alignment of jaw alignment





*RX / HS / 7894*
*Slim long jaws for fine wire work*






**Smooth**

**Bent Nose**

**RX Series:** Two-component ESD safe Ergo™ handles: Thermoplastic surface on tough polypropylene provides superior grip

- Micro-Touch™: The shape of the handles makes it possible to control and rotate the pliers between thumb and index finger for precision work
- Biospring reduces tension throughout the working cycle of the tool and can be adjusted in three different positions



*RX Series*

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | E mm / in | F mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RX 7894 | Needle Nose | L | 158.5 / 6.24 | 32.0 / 1.26 | 9.0 / 0.35 | 6.0 / 0.24 | 1.2 / 0.05 | 0.8 / 0.03 | Smooth | 70 | Dissipative |



*Supreme Series*

**Supreme Series:** ESD safe synthetic mono material with leaf springs

| Part No. | | | A mm / in | B mm / in | C mm / in | D mm / in | E mm / in | F mm / in | | g | Ω |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7894 | Needle Nose | L | 132.0 / 5.20 | 32.0 / 1.26 | 9.0 / 0.35 | 6.0 / 0.24 | 1.2 / 0.05 | 0.8 / 0.03 | Smooth | 56 | Dissipative |

Lindström
Unique Head

# Unique Tools For Every Situation

Lindström customers are innovators, pushing the envelope, developing new technologies and building new industries. When presented with a need to prepare prototypes, insert or extract unique components, or cut proprietary hard wire, our customers turn to Lindström for Specially Engineered Tools.

Lindström has developed tools used in specialized applications for the largest names in medical device manufacturing and for small start-up companies developing new technology. Every project receives the same attention to detail for a tool that is right for the job at hand.

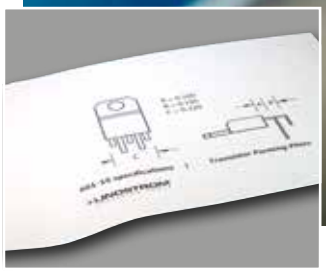
To make the process easy Lindström has no minimum order quantity for Specially Engineered Tools. Our tool designers and manufacturers representatives work directly with production engineers to ensure success. We thrive on solving problems with our customers.

Join our www.Lindströmtools.com website in the Customize area to develop your product together with us. You can also contact one of our authorized distributors all over the world or Lindström manufacturers representatives to discuss your special tool requirements.



## The Lindström Design Process

The Lindström staff can design special application tools by working with “before” and “after” components, engineering drawings, or prototypes. We even build tools drawn on the back of a napkin. It’s that easy!



*A customer provides an idea for a specially engineered transistor tool.*



*Every project begins w a blank tool.*





with



*Lindström tool designer shapes the tool according to customer specifications.*



*Finished Transistor Forming Pliers RX 601-16 ready for delivery!*

Tools featured in this section are a small sample of over 1,500 different designs that we have manufactured so far. Several handle options are available on Specially Engineered Tools.



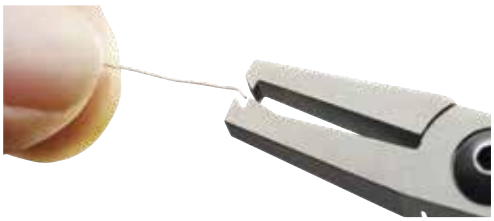
*8154PSP precisely trims catheters.*



*RX331A-31 bend and cut pliers create precise two-angle bend and cuts lead the same length every time.*



*RX 601 forming pliers leave a standoff on the LED leads.*



*202A cut and clench tools leave a swaged, bent lead that clenches the PCB.*

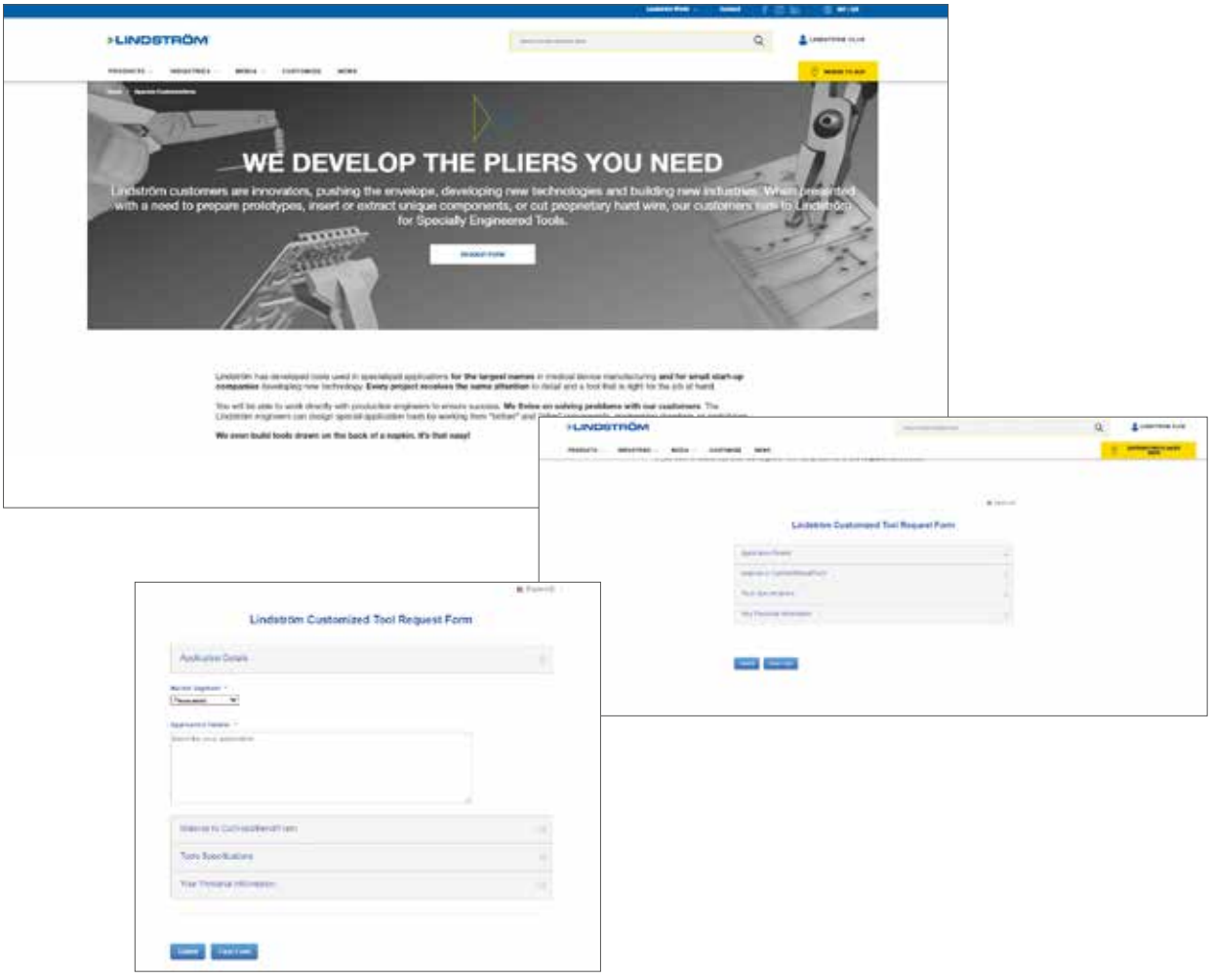


*7292MI micro-mini end cutter is used to cut a ground wire inside a mini connector.*

# Develop Your Customized Precision Cutter

**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.



# IC INSERTION/EXTRACTION TOOLS & IC CUTTERS

## IC Insertion/Extraction Tool

**7992**

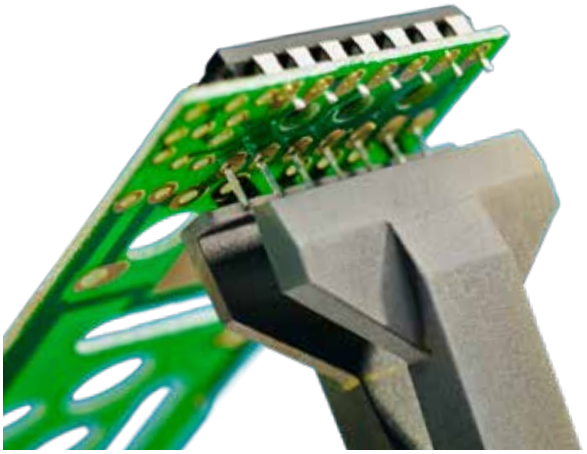
- The 7990-7993 family of insertion tools can be used for ICs or DIPs from 4 pin to 64 pin
- To order, indicate total number of pins on IC/DIP, length and width of package
- Tool length: 4.5 in / 114.3 mm
- Picture shows 80 Series handle



## IC Cutter

**RX 501**

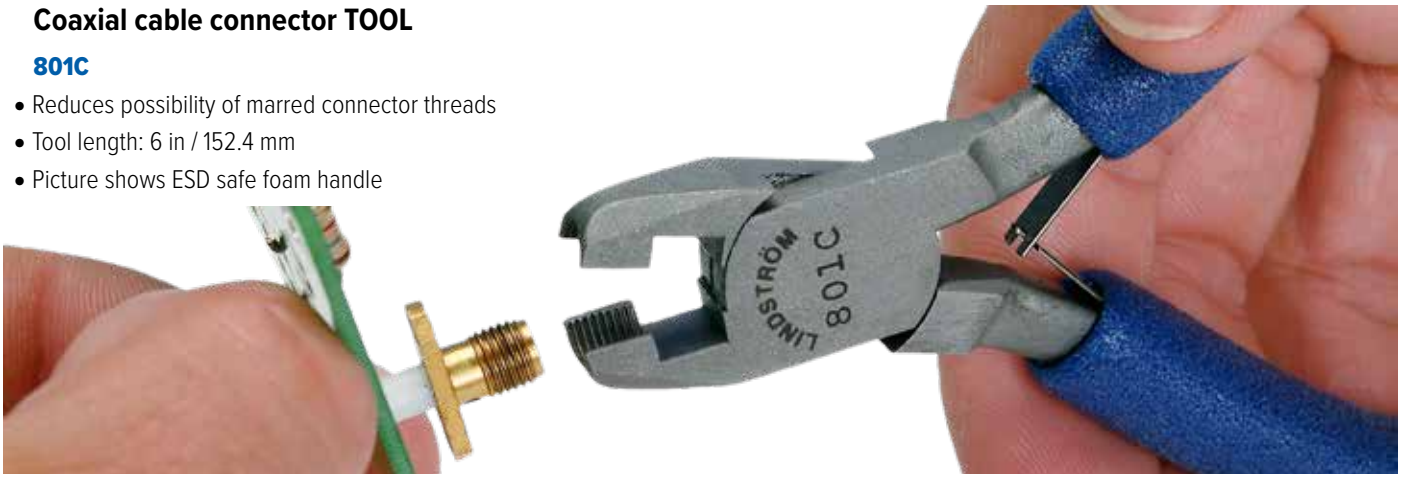
- IC cutters can be produced to cut up to 10 pins simultaneously
- Standoff length is typically 0.040 in (1 mm) but can vary according to specifications
- To order, indicate total number of pins on IC and standoff length. Example: For 14 pin IC, order Part No. 501-14
- Tool length: 6 in / 152.4 mm
- Tool can be produced with RX, 80 Series or HS handles as specified by end-user



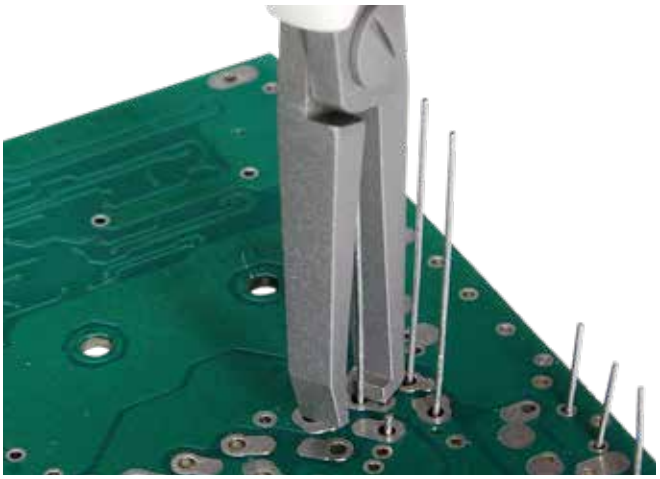
## Coaxial cable connector TOOL

**801C**

- Reduces possibility of marred connector threads
- Tool length: 6 in / 152.4 mm
- Picture shows ESD safe foam handle



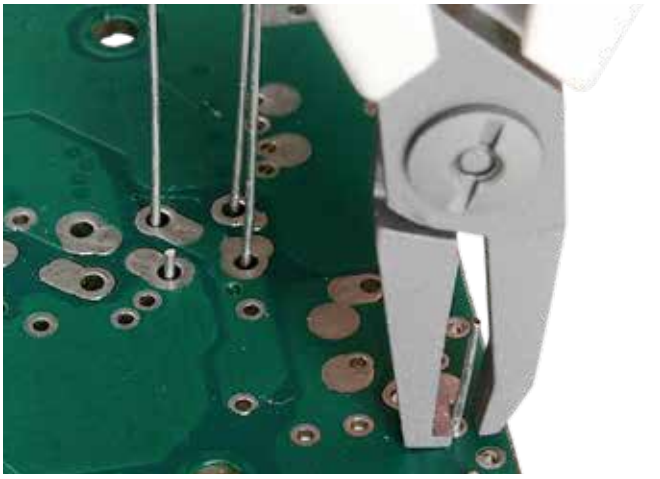
# STANDOFF CUTTERS



## Straight Standoff Shear Cutter 0.075 in

**111A**

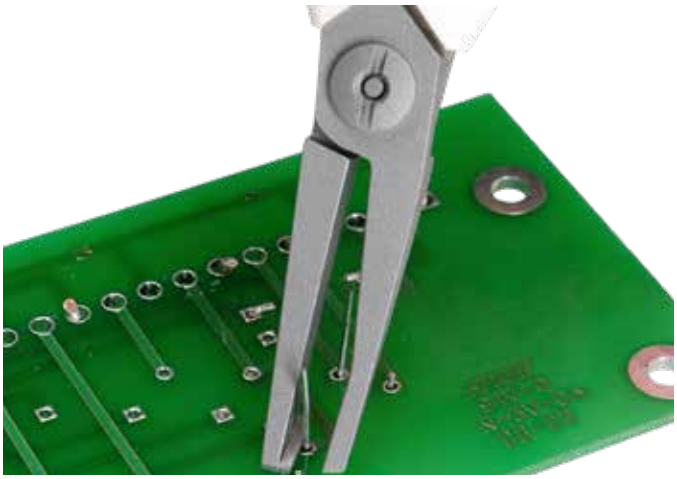
- Uncut lead length capacity: 1.000 in / 25.4 mm
- Cuts leads to length as needed
- Standard length is 0.075 in (1.9 mm) but varies according to specifications
- Cutter can be used on 18 AWG (1 mm) solid copper and also trims wire wrap pins
- To order other than 0.075 in standoff, specifiy length (Example: For 0.065 in standoff, order Part No. 111A-065)
- Tool length: 6 in / 152.4 mm
- Picture shows Supreme Series handle



## Straight Standoff Shear Cutter 0.040 in

**RX112A-1.5**

- Uncut lead length capacity: 0.75 in / 19 mm
- Anti-shock lead trimmer for use on 20 AWG ( 0.813 mm ) copper wire or smaller
- Standoff is 0.040 in ( 1 mm ) unless otherwise specified
- To order other than .040” standoff, specify length. Example: For 0.030 in standoff, order Part No. 112A-030)
- Tool length: 4.5 in / 114.3 mm
- Picture shows Supreme Series handle



## 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)
- Tool length: 6 in / 152.4 mm
- Picture shows Supreme Series handle
- Tool can be produced with RX, 80 Series or HS handles as specified by end-user

## STANDOFF CUTTERS

### Oblique Stand-Off Shear Cutter

**HS122M.030**

- 45° angle offers good lead visibility, does not limit lead length
- Standard standoff is 0.030 in and can be ordered in other lengths
- To order other than 0.030 in indicate lead length as a suffix to the product code (example HS122M-080 for a stand-off of 0.080 in)
- Tool length: 6.5 in / 165.1 mm
- Picture shows HS Series handles

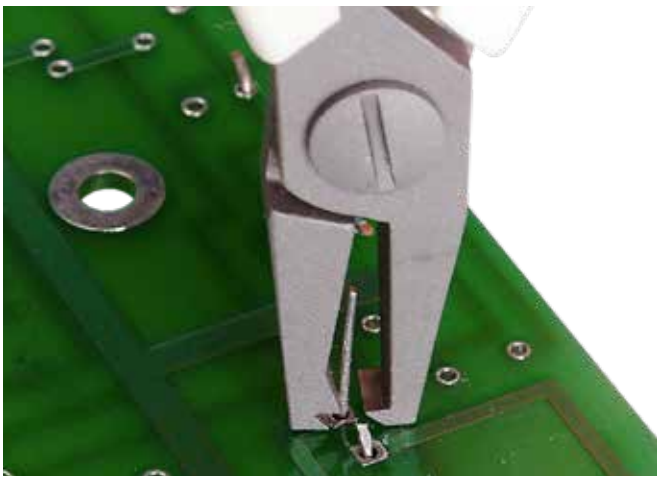


## CUT and BEND

### Straight Cut, Bend And Clench 0.060 in 20°

**202A**

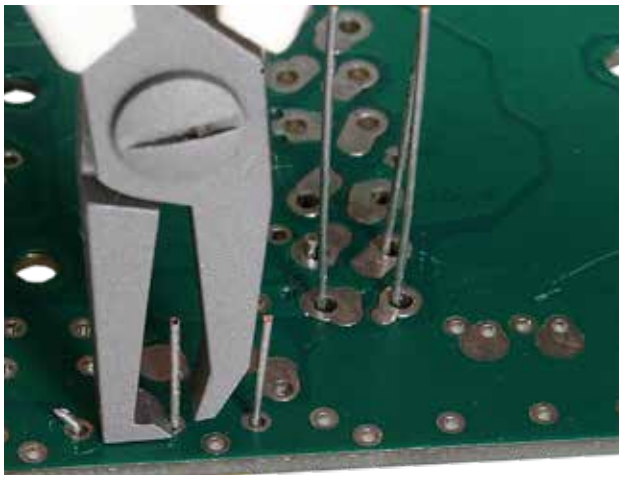
- Cuts leads to 0.060 in (1.52 mm) and bends them at a 20º angle
- To order other than 0.060 in and 20° indicate, cut lead length and angle (Example: For 0.050 in length and 30° angle, order Part No. 202A-050 30°)
- Tool length: 4.5 in / 114.3 mm
- Picture shows Supreme Series handle



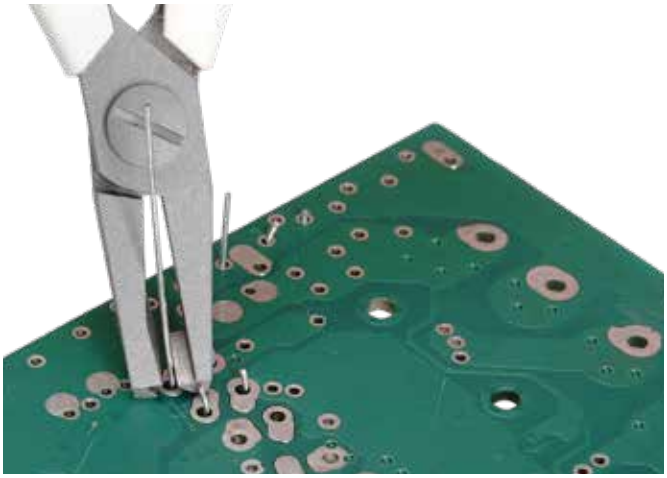
### Cut & Bend 0.060 in 45°

**204B**

- Bends leads at 45° then cuts, leaving a 0.060 in (1.52 mm) standoff
- Other angles and lengths are available
- To order other than 45° and 0.060 in, indicate degree of bend required and lead length (Example: For 40° angle and 0.050 in length, order Part No. 204B-050 40°)
- Tool length: 4.5 in / 114.3 mm
- Picture shows Supreme Series handle



## CUT and BEND

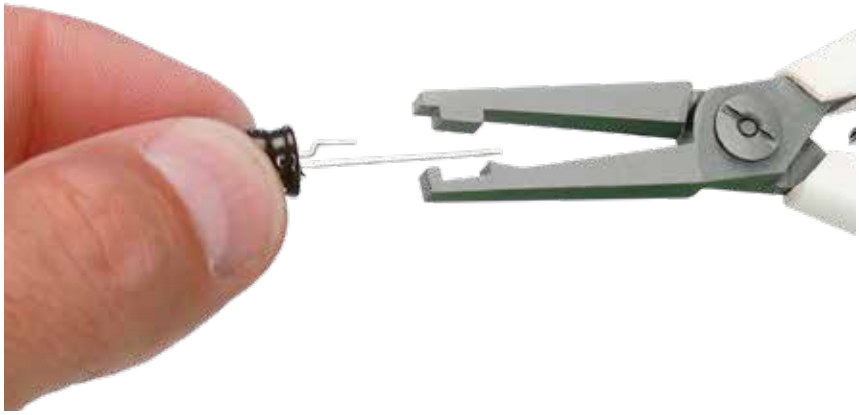


### Oblique Cut, Bend And Clench 0.060 in 20°

**212A**

- Similar to a 202A featuring an oblique angle that offers improved lead visibility and accommodates longer leads
- To order other than 0.060 in and 20°, indicate cut lead length and angle (Example: For 0.055 in length and 35° angle, order Part No. 212A-055 35°)
- Tool length: 6 in / 152.4 mm
- Picture shows Supreme Series handle

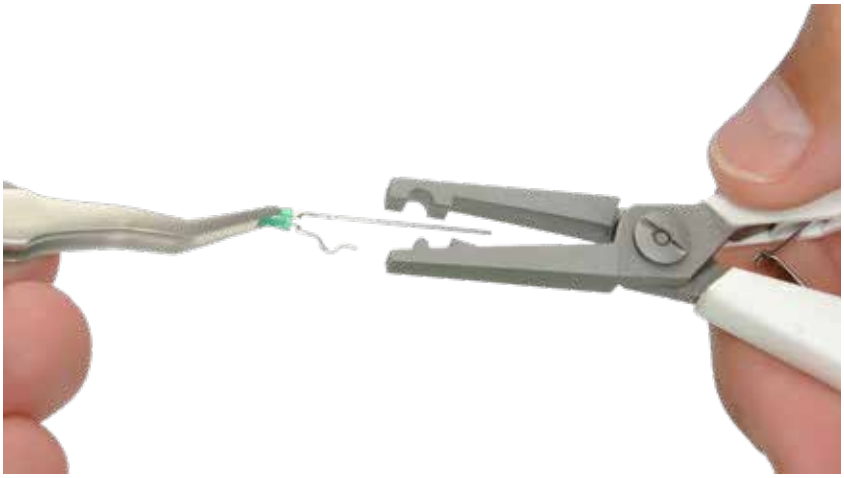
## CUT and FORM



### Cut And Form – Up To 18 Awg

**RX331A**

- 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
- Tool length: 6 in / 152.4 mm
- Picture shows Supreme Series handle



### Cut And Form – Up To 18 Awg

**341A**

- Cuts leads to length and forms stress relief on component leads up to 18 AWG (1 mm) solid copper
- To order, furnish component or rough drawing indicating lead length, radii, diameter and bend location
- Tool length: 6 in / 152.4 mm
- Picture shows Supreme Series handle

# LEADFORMERS

### Flat Pack Leadformer

**RX304D**

- Cuts and forms multi-lead flat packs
- To order, indicate length from component body to bend, angle of bend and length of tail
- Tool length: 6 in / 152.4 mm
- Picture shows RX Series handle
- 29D-SA Tweezer shown holding component



### 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
- Tool length: 6 in / 152.4 mm
- Picture shows Supreme Series handle



### 45° Oblique Leadformer – Unlimited Length

**614A**

- Adds stress relief to leads in high density board population applications
- Allows unlimited lead length forming with high visibility
- To order, indicate lead length (minimum/maximum) from component body to P.C. board and lead diameter
- Tool length: 6 in / 152.4 mm
- Picture shows Supreme Series handle



## CUTTERS



### Micro-mini end cutter

**7292MI**

- Specially engineered mini end cutter
- For micro-applications where access is a concern
- Designed to customer specifications
- Picture shows Supreme Series handle

## CUSTOM FORMING PLIERS



### Custom Leadformer

**RX 601-16**

- Specially engineered leadforming pliers
- Turns 5 equal-length leads into 3 long and 2 short leads
- Typically used on transistors
- Picture shows RX Series handle



## BIOSPRING FOR RX SERIES

- Tension is kept minimal and limited thoughout the working cycle of the tool
- Handle width is controlled for ease of tool pick-up and handling
- Tension and opening width can be adjusted according to preference via three ports
- Almost indestructible in normal use
- On facing page, a spring is properly inserted for sure retention

### BIOSPRING

RX 01



FITS ALL RX SERIES CUTTERS AND PLIERS

| Part No. | Weight grams | Pack qty |
|---|---|---|
| RX 01 | 5 | 5 |

RX SPRING ADJUSTMENT:

1. Pull the tool apart
2. Place the spring in the desired port
3. Close the tool



## RETURN SPRING FOR 80, RX, HS, MEDICAL AND SUPREME SERIES

- Due to the long life of 80 Series, HS Series, Medical and Supreme Series cutters and pliers, replaceable springs help redown time and the need to stock substitute tools

### RETURN SPRINGS

8130-50/SUPR SPRING, 8160/SPRING



Springs to fit all non-RX cutters and pliers

| Part No. | Cutters and Pliers | Weight grams | Pack qty |
|---|---|---|---|
| 8130-50/SUPR SPRING | HS, Medical, 80 Series 8130-8158; all Supreme | 2 | 1 PR |
| 8160/SPRING | HS, Medical, 80 Series 8160-8168 | 2 | 1 PR |

## LEAD CATCHER FOR 80, RX, HS, MEDICAL AND SUPREME SERIES

- Patented lead catcher holds cut wires, preventing injury and keeping leads from flying into the assembly
- The lead catchers can be removed and reused
- Sold in packs of 5

### LEAD CATCHER

813, 814, 816, 824



Easy to install and remove

| Part No. | Cutters and Pliers | Weight grams | Pack qty |
|---|---|---|---|
| 813 | 8130-8138, RX 8130-8138, HS 8130-8138,7190-7191 | 4 | 5 |
| 814 | 8140-8148, RX 8140-8148, HS 8140-8148 | 4 | 5 |
| 816 | 8160-8168 / RX 8160-8168 / HS 8160-8168 | 4 | 5 |
| 824 | 8247, 8248, 8211 | 4 | 5 |



# Always ready to go with Lindström spare parts




# ESD Safe Precision Screwdrivers

## Product Details

Lindström introduces a precision screwdriver crafted in Spain to exacting engineering standards to satisfy the requirements for tools used in the most demanding, delicate, high precision electrostatic applications.

Lindström Precision Screwdrivers are ESD Safe and safely dissipate electrostatic charges, reducing the possibility of damage to sensitive components.

### 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.



## Product Range

- ESD Safe Precision Screwdriver, safely dissipates electrostatic charges, protecting electronic components from damage.
- Specially designed for precision work, for mechanical and electronic applications.
- Two-component ergonomic handle with soft grip material for comfortable grip.
- The handle 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.
- Marking on the handle for an easy identification of tip.
- Black oxide tip guarantees high accuracy and precision fitting.
- High-performance alloy steel blade, chrome plated, for high protection against corrosion and long life span.

### Screwdriver Sets

Set includes 7 ESD Safe Precision Screwdrivers






| 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 |

### Slotted

For slotted head screws





Standards: ISO 2380 and DIN 5264

Standard IEC 61340-5-1, the electrical surface resistance of the ESD material amounts to $10^6$ - $10^9$ Ohm

| 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 |





# ESD SAFE PRECISION SCREWDRIVERS

## Phillips

For Phillips head screws





Standards: ISO 8764 and DIN 5260

Standard IEC 61340-5-1, the electrical surface resistance of the ESD material amounts to 106 - 109 Ohm

| Part No. | Description | Profile | Size x Length | Sizes |
|---|---|---|---|---|
| 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 |

## TORX®

For TORX® head screws





Standard IEC 61340-5-1, the electrical surface resistance of the ESD material amounts to 106 - 109 Ohm

| Part No. | Description | Profile | Size x Length | Sizes |
|---|---|---|---|---|
| 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 |

## Pentalobe

For Pentalobe head screws





Standard IEC 61340-5-1, the electrical surface resistance of the ESD material amounts to 106 - 109 Ohm

| Part No. | Description | Profile | Size x Length | Sizes |
|---|---|---|---|---|
| 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) |





## Sets

- In robust plastic case with hanging hole.
- ESD Safe Precision screwdriver, safely dissipates electrostatic charges, protecting electronic components from damage.
- Specially designed for precision work, for mechanical and electronic applications.
- Two-component ergonomic handle with soft grip material for comfortable grip.
- The handle 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.
- Marking on the handle for an easy identification of tip.
- Black oxide tip guarantees high accuracy and precision fitting.
- High-performance alloy steel blade, chrome plated, for high protection against corrosion and long life span.

### Screwdriver Set Flat / PH




Standard IEC 61340-5-1, the electrical surface resistance of the ESD material amounts to 106 - 109 Ohm

| Part No. | Code | Description | Profile | Size | Blade length | nº Pcs in set |
|---|---|---|---|---|---|---|
| 801-7ESD | 800-1.5-50ESD | Precision Screw Flat 1.5 X 50 | Slotted | 1.5 | 50 | 1 |
| | 800-2-50ESD | Precision Screw Flat 2.0 X 50 | Slotted | 2.0 | 50 | 1 |
| | 800-2.5-50ESD | Precision Screw Flat 2.5 X 50 | Slotted | 2.5 | 50 | 1 |
| | 800-3-50ESD | Precision Screw Flat 3.0 X 50 | Slotted | 3.0 | 50 | 1 |
| | 801-00-50ESD | Precision Screw Flat PH00 X 50 | Phillips | PH00 | 50 | 1 |
| | 801-0-50ESD | Precision Screw Flat PH0 X 50 | Phillips | PH0 | 50 | 1 |
| | 801-1-75ESD | Precision Screw Flat PH1 X 50 | Phillips | PH1 | 50 | 1 |

### Screwdriver Set Torx®




Standard IEC 61340-5-1, the electrical surface resistance of the ESD material amounts to 106 - 109 Ohm

| Part No. | Code | Description | Profile | Size | Blade length | nº Pcs in set |
|---|---|---|---|---|---|---|
| 803-7ESD | 800-1.5-50ESD | Precision Screw Torx® 6 X 50 | Torx® | T6 | 50 | 1 |
| | 800-2-50ESD | Precision Screw Torx® 7 X 50 | Torx® | T7 | 50 | 1 |
| | 800-2.5-50ESD | Precision Screw Torx® 8 X 50 | Torx® | T8 | 50 | 1 |
| | 800-3-50ESD | Precision Screw Torx® 9 X 50 | Torx® | T9 | 50 | 1 |
| | 801-00-50ESD | Precision Screw Torx® 10 X 50 | Torx® | T10 | 50 | 1 |
| | 801-0-50ESD | Precision Screw Torx® 15 X 50 | Torx® | T15 | 50 | 1 |
| | 801-1-75ESD | Precision Screw Torx® 20 X50 | Torx® | T20 | 50 | 1 |

## Customized Kits

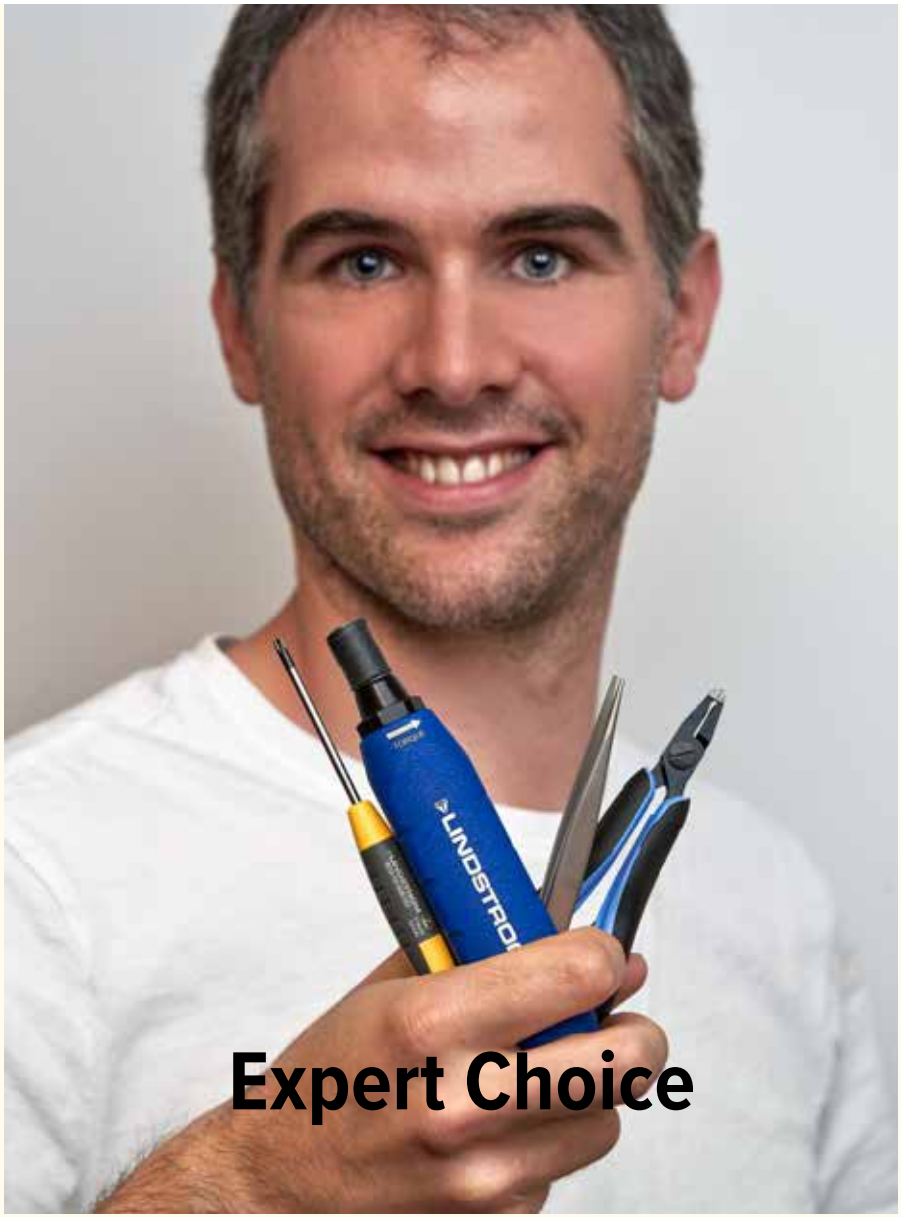
Lindström customers are innovators, pushing the envelope, developing new technologies and building new industries. Lindström has developed tools used in specialized applications for the largest names in medical device manufacturing and for small start-up companies developing new technology. Every project receives the same attention to detail and a tool that is right for the job at hand.

Now, in Lindström we have the possibility to create kits including our iconic:

- Cutters & Pliers
- Swiss Made Tweezers
- ESD Safe Precision Screwdrivers

**Join our website and contact us to develop your Lindström Customized Kit.**

**https://www.lindstromtools.com/int_en/contact?type=Contact**



# High Precision Torque Screwdrivers

Lindström Torque Screwdrivers eliminate the over-application of force, thereby reducing the risk for damage and rework costs. They feature an ergonomic shape, a durable positive grip powder-coated surface, and an anti-magnetic ESD safe bit holder that accepts any standard 1/4" Hex drive bit.

The two models available are the Micro-Adjustable Torque Screwdriver and the Preset Torque Screwdriver.



## HIGH PRECISION TORQUE CONTROL

With a unique high-precision cam-over torque-limiting design, Lindström´s torque screwdrivers eliminate over application of force reducing the risk of damage and rework costs. Available in micro-adjustable or preset torque versions, Lindström´s torque screwdrivers offer comfort with a user friendly shape and non-slip grip. Built to last with a non-magnetic bit holder that accepts any standard 1/4" Hex drive Bit, it is the ideal choice for flexible applications as well as volume production. All models are ESD-safe.

## MICRO-ADJUSTABLE TORQUE SCREWDRIVERS

The micro-adjustable torque screwdriver allows instant change to the torque value with an easy-to-read window scale and a precise pull-to-set, push-to-lock mechanism. Adjustment is easy - simply pull the knob, turn to the desired torque, push the knob back in, and it is ready to use.

The micro-adjustable screwdriver series includes three models ranging from 14 to 451.94 Ncm or 20 in.oz. to 40 in.lbs. Accuracy +/- 6%.

## PRESET TORQUE SCREWDRIVER

An outstanding selection for high-volume use in assembly where precision and repeatability is paramount. Torque values are easily set on this durable driver.

The end cap removes for access to the 1/8” Hex adjustment screw (Hex key included with each driver). Use a certified torque tester to verify the exact torque value after adjustment. Replace the end cap and it’s ready to go.

*All Lindström torque devices are ESD safe.*

*Warning! Lindström Torque Screwdrivers should never be used on electrified equipment.*

## MICRO-ADJUSTABLE TORQUE SCREWDRIVER



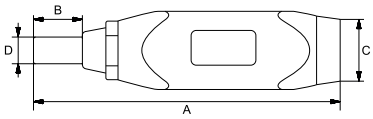
- ESD safe (IEC 61340-5-1)
- Torque limiting clutch prevents over application of force to fastener
- 1/4” Hexagon anti-magnetic spring loaded bit holder to avoid ESD damage to sensitive equipment or components in electronic applications
- Adjustable Torque Screwdriver, with all metal 3-lobe shaped handle
- 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
- ISO 6789, ISO 1174, ASME B107.300-2010
- Made in USA

*Truly ESD Safe, extremely accurate and durable, delivering repeatable torque values*













| Part No. | cN-M | in-oz | in-lb | ⬡ | cN-M | A mm / in | B mm / in | C mm / in | D mm / in | kg |
|---|---|---|---|---|---|---|---|---|---|---|
| MA500-1A | 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 |
| MA500-2A | 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 |
| MA500-3A | 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 |

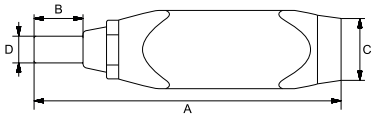
## PRESET TORQUE SCREWDRIVER

- 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
- Preset Torque Screwdriver, with all metal 3-lobe shaped handle
- Cam-over torque limiting clutch for repeatability
- Powder coat wrinkle finish provides positive grip
- Accuracy meets or exceeds +/-6% over recommended usage period: 5000 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
- On request, preset screwdrivers can be set and certified with a declaration of conformity in compliance with International Standards
- ISO 6789, ISO 1174, ASME B107.300-2010
- Made in USA



*Truly ESD Safe, extremely accurate and durable, delivering repeatable torque values*











| Part No. | cN-M | in-lb | | A mm / in | B mm / in | C mm / in | D mm / in | kg |
|---|---|---|---|---|---|---|---|---|
| PS501-1 | 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 |
| PS501-2 | 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 |
| PS501-3 | 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 |
| PS501-4 | 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 |

*To order with torque values set, add "SET" as a suffix to the part number and the desires torque value.*
*Example: PS501-3DSET - 7 In. Oz.*

# Lindström launches its most comprehensive range of tweezers

### Know How:

With over 150 years of knowledge and experience, Lindström knows that working with fragile and expensive materials is a daily reality for many professionals, so this range has been developed to handle, manoeuvre and position components, jewels and wires with the utmost care and confidence. As trusted partners of the medical device, electronics, watch making and jewellery industries, we have designed an extensive range of specialist tweezers for the most demanding applications, such as the Tungsten Carbide Cutting Tweezers with angled blades, designed for cutting hard hairsprings such as coils, coiled catheters and stents, as well as stainless steel wires for hearing aids and pacemakers. Other designs in this range feature curved, pointed, slender and flat edge tips to deliver precision, safety and strength to any job.

### Quality:

Thanks to Lindström's unwavering focus on quality and design, this new range of tweezers incorporates many specialist tips made from high-quality and highly resilient materials, including stainless steel and polyamide-based carbon fibre, which are ESD safe, perfect for electronics assembly and able to withstand temperatures of up to 150 °C. Lindström's ESD-safe tweezers also feature soft, ergonomic grips (109 ohm resistivity) that are more comfortable and reduce finger stress when handling ESD-sensitive components and small static items.

Plastic-tip tweezers, also ESD-safe and reinforced with carbon fibre, do not scratch and are also suitable for electronics and medical applications.

**Innovation:**

With our sights set firmly on the future and on bringing customers the best-quality tools on the market, at Lindström, we are always looking for new ways to innovate and meet the most demanding standards. That's why we also offer tailor-made tools designed for specific fields, to help professionals excel at what they do best. Visit the new webpage to view the full range of tweezers, or fill in the Lindström customised tool request form and tell us exactly what you're looking for.

The new range of Lindström Tweezers meets the needs of the most demanding end-users in the world, who can now choose from hundreds of designs and a wide range of material, such as stainless steel, carbon steel, plastic, ceramic, and ESD Safe Materials. The tweezers can be used in many different field to perform intricate work. Their unique structure and manufacturing materials mean that these tweezers can be used to carefully and safely handle different samples, substances and objects.

Swiss-made and designed for the medical device industry to cut hard hairsprings such as coils, coiled catheters or sents, as well as stainless steel wires used to produce hearing aids, pacemakers or even for the detailed cutting of plastic moulds.

## High Precision Tungsten Carbide Cutting Tweezer



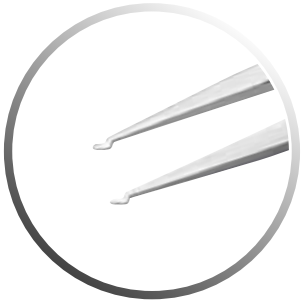

**TL 15AGWHM-SA**

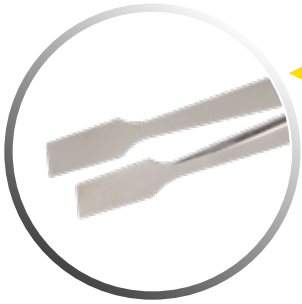
# Lindström Tweezers styles for every application



### 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.

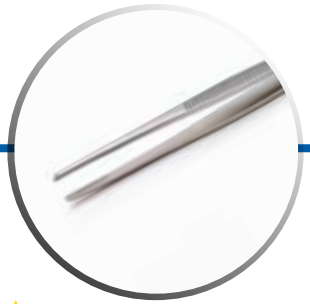


### PLASTIC TIP TWEEZERS

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.

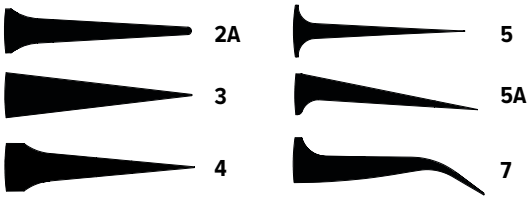
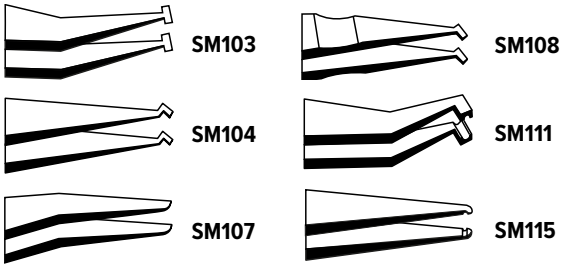
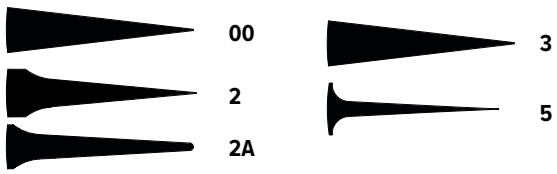
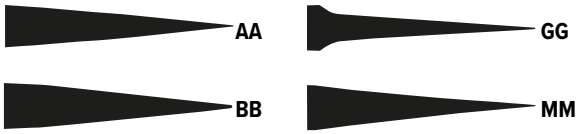
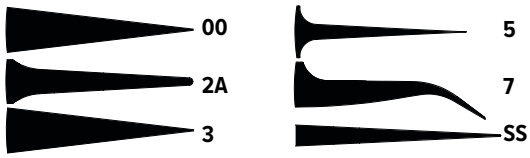
DR handles are recommended for use in Clean Rooms and controlled environments.



# TWEEZER CATEGORIES

| | CATEGORY DESCRIPTION | MOST POPULAR STYLES |
|---|---|---|
| **HIGH PRECISION TW** | Handcrafted to have perfect tip symmetry and balance along with polished edges and superior no-scratch/antiglare satin finish. Typical applications include microscopy preparation, sample handling, precision manufacturing, electronic industry, watch making, general laboratory and medical applications.<br><br>BIOLOGY TWEEZERS - Made of high-alloy stainless steel (DX) and superalloy (CX). The perfect choice to be used under microscope as their extra fine tips are ideal for handling extremely minute, delicate material and grids. | 0, 00, 2A, 3, 5, 7 |
| HP - FLAT TIP | Smooth scratch proof tips designed for handling sensitive parts and components. Applications include moving, gripping and manipulating flat parts, substrates and wafers. The smooth, flat tips enable gentle handling and minimum pressure on delicate parts. | 33A, 34A, 35A, 36A |
| HP - SUPER SLIM | Long and slender tweezers especially suited for reaching in tight spaces or for working near heat sources. | SS, 65A |
| **CUTTING TW** | Made from High Grade Carbon Steel for superior high precision cutting edges, these tweezers feature a tapered narrow design for narrow working spaces and are available with angled blades, predominantly angled blades, parallel blades, rounded tips, hard metal carbide blades and miniature size. Applications include cutting soft wires such as copper, gold, silver as well as magnetic wires and hard hairsprings. | 14A, 14AGW, 152, 15AGW, 15AGHM, 15ARW |
| **ESD SAFE TW** | Soft ESD safe ergonomic cushion grips (resistivity $10^9$ Ohm) provide enhanced operator comfort and reduced finger stress when handling ESD sensitive components or small static items. Two different handles are available: ESD safe blue Rubber (DR) or ESD safe black Foam (DN). | 0, 00, 1, 2, 2A, 2AB, 3, 4, 5, 5A, 5B, 7, AA, SS |
| ESD SAFE GRIP HANDLE | | |
| **PLASTIC TW** | Specially designed for the electronics industry, these tweezers feature durable and self-aligning replacement tips, anti-magnetic stainless steel handles and are available with a variety of tip geometries and materials: they offer a significant cost savings. Excellent for handling sensitive electronic components, and ceramic and glass parts where non-metallic non-scratching is critical. | 2A, 5, 242, 249, 259 |

# TWEEZER CATEGORIES

| | CATEGORY DESCRIPTION | MOST POPULAR STYLES |
|---|---|---|
| **REVERSE ACTION TW**  | Uniform tension in handling small fragile parts for extended periods of time without finger strain. Specially intended for applications where a high precise self-closing action is required such as in microscopy and assembly applications. |   |
| **SMD TW**  | The variety of tips and angles available on SMD Tweezers allow for smooth handling and positioning of all Surface Mount Device components. Satin anti-glare finish and ergonomic design. Available as reverse action model.<br><br>Ideal for electronics assembly, labs, clean rooms and circuit board repair and rework. |   |
| **MINI TW**  | Short fine tip tweezers without the excess bulk of long tweezers. Very light, ergonomic tweezers ideal for working into tight spaces, under the limited working area of a microscope and for short range precision work. Applications include: specimen handling, microscopy preparation, sorting, precision manufacturing, electronic assembly, watch making, general laboratory, biological and medical applications. |   |
| **BOLEY TW**  | General purpose tweezers available in different materials for specific applications. All shanks are tapered and have beveled edges. The sharp points have received some finishing at the tips. |   |
| **TWEEZER KITS**  | Lindström offers an assortment of tweezer kits specially comprised to match specific needs and applications. Applications include SMD handling and repair and micro assembly. Specific tasks include moving, gripping and manipulating fine wires, substrates, leads, components and other small parts too delicate, small or sterile to be handled by human fingers.<br><br>Ideal for labs, cleanrooms, electronics assembly applications and circuit board rework/repair. | **HIGH PRECISION TW**  **ESD SAFE EPOXY COATED TW**  **ECONOMY TW**  **PLASTIC TW**  **REVERSE ACTION TW**  **SMD TW**  |
| **ECONOMY TW**  | The most popular tweezers are also available in economical version at a very competitive price. Made in Asia and re-worked for a consistent performance. |   |

# TWEEZERS SETS

- 9855W empty wallet
- Lindström tweezers offer perfect balance, tip alignment and symmetry
- Professional tweezers, also suitable for medical uses
- For professional use, including medical and electronic

## Set of 5 Precision Tweezers



- Precison tweezer set includes 5 tweezers
- TL SS-SA-SL, TL AA-SA-SL, TL 2A-SA-SL, TL 4-SA-SL, TL 7A-SA-SL
- Tip Styles SS-SA, 2A-SA, 7A-SA, AA-SA

| Part No. | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|
| 9855 | 110 mm | 4,33 in | 200 mm | 7,87 in | 10 mm | 0,39 in | 115 g | 4,06 oz |

## Set of 5 Precision Tweezers



- Precison tweezer set includes 5 tweezers
- TL 00-SA-SL, TL 1-SA-SL, TL 3C-SA-SL, TL 5-SA-SL, TL 7-SA-SL
- Tip Styles 00-SA, 1-SA, 3C-SA, 5-SA, 7-SA

| Part No. | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|
| 9857 | 110 mm | 4,33 in | 200 mm | 7,87 in | 10 mm | 0,39 in | 115 g | 4,06 oz |

## Set of 2 Precision Tweezers



- Precison tweezer set includes 2 tweezers
- TL AA-SA-SL, TL SS-SA-SL
- Tip Styles AA-SA, SS-SA

| Part No. | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|
| 9858 | 65 mm | 2,56 in | 200 mm | 7,87 in | 8 mm | 0,32 in | 60 g | 2,12 oz |

## Set of 2 Precision Tweezers



- Precison tweezer set includes 2 tweezers
- TL 00B-SA, TL 2A-SA-SL
- Tip Styles 00B-SA, 2A-SA

| Part No. | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|
| 9859 | 65 mm | 2,56 in | 200 mm | 7,87 in | 8 mm | 0,32 in | 75 g | 2,65 oz |

# TWEEZERS SETS

## Set of 5 High Precision Tweezers



- Precison tweezer set includes 5 tweezers
- TL 00-SA, TL 2ASA, TL 3C-SA, TL 5-SA, TL 7-SA
- Tip Styles 00-SA, 2ASA, 3C-SA, 5-SA, 7-SA

| Part No. | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|
| 9860 | 185 mm | 7,28 in | 105 mm | 4,13 in | 12 mm | 4,41 in | 120 g | 4,23 oz |

## Set of 5 Economy Tweezers



- Precison tweezer set includes 5 tweezers
- TL 00-SA-SL, TL 2A-SA-SL, TL 3C-SA-SL, TL 5-SA-SL, TL 7-SA-SL
- Tip Styles 00-SA, 2A-SA, 3C-SA, 5-SA, 7-SA

| Part No. | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|
| 9861 | 165 mm | 6,5 in | 70 mm | 2,76 in | 10 mm | 0,39 in | 120 g | 4,23 oz |

## Set of 4 Economy Tweezers



- Precison tweezer set includes 4 tweezers
- TL 2A-SA-SL, TL 3C-SA-SL, TL 7A-SA-SL, TL AA-SA-SL
- Tip Styles 2A-SA, 3C-SA, 7A-SA, AA-SA

| Part No. | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|
| 9862 | 165 mm | 6,5 in | 70 mm | 2,76 in | 10 mm | 0,39 in | 120 g | 4,23 oz |

## Set of 5 SMD and Economy Tweezers



- Precison tweezer set includes 5 tweezers
- TL SM103-SA, TL SM108-SA, TL 3-SA-SL, TL 5-SA-SL, TL 7A-SA-SL
- Tip Styles SM103-SA, SM108-SA, 3-SA, 5-SA, 7A-SA

| Part No. | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|
| 9863 | 165 mm | 6,5 in | 70 mm | 2,76 in | 10 mm | 0,39 in | 120 g | 4,23 oz |



# High Precision Tweezers

# CUTTING TWEEZERS

- Body material: Inox
- Lindström tweezers offer perfect balance, tip alignment and symmetry
- Made in Switzerland

## Stainless Steel Cutting Tweezers





*Type 15AGHM high-precision cutting tweezers are designed for cutting small materials or performing small cuts. The extreme hard tungsten carbide blade insert is designed to cut the hardest metals.*

- Cutting tweezers, Type 15AGHM
- Tip description: cutting, tungsten carbide insert, predominantly angled blades, superior finish
- Tip material: tungsten carbide
- Style 15AGWHM with Tungsten Carbide Inserts and Predominantly Angled Blades

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 15AGWHM-SA | 15AGHM | 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 | 27 g | 0,95 oz |

## Carbon Steel Cutting Tweezers





*Type 15A high-precision cutting tweezers are designed for cutting small materials or performing small cuts. The strong blades are designed to apply moderate cutting force. Suitable to cut small, soft metal strands (e.g. Copper).*

- Cutting tweezers, Type 15A
- Tip description: cutting, angled blades, superior finish
- Style 15A with Angled Blades

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 15A | 15A | 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 | 26 g | 0,92 oz |

## Carbon Steel Cutting Tweezers





*Type 15AGW high-precision cutting tweezers are designed for cutting small materials or performing small cuts. The strong blades are designed to apply moderate cutting force. Suitable to cut small, soft metal strands (e.g. Copper).*

- Cutting tweezers, Type 15AGW
- Tip description: cutting, predominantly angled blades, superior finish
- Style 15AGW with Predominantly Angled Blades

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 15AGW | 15AGW | 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 | 25 g | 0,88 oz |

# Straight Tips

- Body material: anti-magnetic, anti-acid stainless steel
- Professional Lindström tweezers offer perfect balance, tip alignment and symmetry thanks to micro precision including precise angles
- Made in Switzerland

## High Precision Tweezers Type 000





*Type 000 micro precision tweezers are made to hold small components firmly with good visibility. Suitable for medical applications.*

- Type 000
- Tip description: straight, fine, superior finish

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 000-SA | 000 | 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 | 22 g | 0,78 oz |

## High Precision Tweezers Type 00





*Type 00 micro precision tweezers are made to hold components firmly. With precision angles are suitable for medical applications.*

- Type 00
- Tip description: straight, thick, strong, superior finish

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 00-SA | 00 | 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 | 21 g | 0,74 oz |

## High Precision Tweezers Type 00B





*Type 00 micro precision tweezers are for holding components firmly. Line serration gives handles extra grip, also preventing slips. Suitable for medical applications.*

- Type 00B
- Tip description: straight, thick, strong, superior finish and serrated handles

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 00B-SA | 00B | 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 | 20 g | 0,71 oz |

## High Precision Tweezers Type 00D





*Type 00D micro precision tweezers are made to hold a component very firmly. Line serration gives tips and handles extra grip, also preventing slips.*

- Type 00D
- Tip description: straight, thick, strong, line serrated, superior finish and serrated handles

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 00D-SA | 00D | 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 | 20 g | 0,71 oz |

# HIGH PRECISION TWEEZERS

## High Precision Tweezers Type 0C9



*Type 0C9 high precision tweezers are made to hold small components firmly with good visibility. The short body allows a firmer grip combined with greater practicality.*

- Type 0C9
- Tip description: straight, fine, sharp, superior finish

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 0C9-SA | 0C9 | 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 | 9 g | 0,32 oz |

## High Precision Tweezers Type 1



*Type 1 high precision tweezers are made to hold small components firmly while granting good visibility.*

- Type 1
- Tip description: straight, fine, sharp, superior finish

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 1-SA | 1 | 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 | 14 g | 0,49 oz |

## High Precision Tweezers Type 2A



*Type 2A high precision tweezers are suitable to delicate applications which require holding a flat component firmly. The micro precision angles are also suitable for medical use.*

- Type 2A
- Tip description: straight, very fine, round, flat, superior finish

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 2A-SA | 2A | 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 | 15 g | 0.53 oz |

## High Precision Tweezers Type 3C



*Type 3C precision angled tweezers are made for holding a small component firmly while granting good visibility. The short body allows a firmer grip combined with greater practicality.*

- Type 3C
- Tip description: straight, fine, pointed, superior finish

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 3C-SA | 3C | 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 | 12 g | 0,42 oz |

# HIGH PRECISION TWEEZERS

## High Precision Tweezers Type 3



*Type 3 precision angled tweezers are designed for delicate applications that require holding a small component firmly while granting good visibility.*

- Type 3
- Tip description: smooth, thin, squared, flat, superior finish

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 3-SA | 3 | 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 | 14 g | 0,49 oz |

## High Precision Tweezers Type 5



*Type 5 high precision tweezers are made for holding small components firmly with precision angles while granting good visibility.*

- Type 5
- Tip description: straight, very fine, sharp, superior finish

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 5-SA | 5 | 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 | 13 g | 0,46 oz |

## High Precision Tweezers Type 51S



*Type 51S micro precision tweezers are made to hold a small component firmly while granting maximum visibility, thanks to the bent geometry and ergonomic design.*

- Type 51S
- Tip description: bent, very fine, superior finish

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 51S-SA | 51S | 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 | 14 g | 0,49 oz |

## High Precision Tweezers Type SS



*Type SS high precision tweezers with precision angles are made for delicate uses that require holding small components firmly with maximum visibility.*

- Type SS
- Tip description: straight, very fine, very sharp, superior finish

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL SS-SA | SS | 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 | 13 g | 0,46 oz |

# Curved Tips

## High Precision Tweezers Type 7A



*Type 7A high precision tweezers are designed for delicate applications that require holding components firmly with maximum visibility.*

- Type 7A
- Tip description: very fine, curved, superior finish

| Part No. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 7A-SA | 7A | 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 | 14 g | 0,49 oz |

## High Precision Tweezers Type 7



*Type 7 micro precision tweezers with precision angles are made for delicate uses that require holding small components firmly with maximum visibility.*

- Type 7
- Tip description: very fine, curved, superior finish

| Part No. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 7-SA | 7 | 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 | 14 g | 0,49 oz |

# Bent Tips

## High Precision Tweezers Type 5B



*Type 5B high precision tweezers are suited for delicate applications that require holding small components firmly while allowing maximum visibility, thanks to the bent geometry and ergonomic design.*

- Type 5B
- Tip description: bent, very fine, sharp, superior finish

| Part No. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 5B-SA | 5B | 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 | 13 g | 0.46 oz |

## High Precision Tweezers Type 65A



*Type 65A high precision tweezers are ergonomically designed for delicate applications that require holding small components firmly with maximum visibility, thanks to their bent geometry and precision angles.*

- Type 65A
- Tip description: bent, very fine, very sharp, superior finish

| Part No. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 65A-SA | 65A | 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 | 12 g | 0.42 oz |

# Flat Tips

## High Precision Tweezers Type 34A





*Type 34A high precision tweezers are made to hold a flat component firmly. The line serration provides the handles with extra grip.*

- Type 34A
- Description de la pointe: lisse, fine, carrée, plate, finition supérieure

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 34A-SA | 34A | 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 | 15 g | 0,53 oz |

# Angled Tips

## High Precision Tweezers Type 6





*Type 6 high precision tweezers are made for delicate applications that require holding small components firmly with precision angles and maximum visibility.*

- Type 6
- Tip description: angled, very fine, superior finish

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 6-SA | 6 | 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 | 17 g | 0,6 oz |



# Coated Tweezers

# Straight Tips

- Body material: anti-magnetic, anti-acid stainless steel
- Handle coating: ESD thermoplastic rubber
- Professional Lindström precision tweezers offer perfect balance, tip alignment and symmetry
- Made in Switzerland

## Precision Ergonomic Tweezers Type 00





*Type 00 ergonomic tweezers are made to hold components firmly.*

- Type 00
- Tip description: straight, thick, strong

| Part No. | | L | | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 00-SA-ET | 00-SA | 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 | 30 g | 1,06 oz | |

## Precision Ergonomic Tweezers Type 2A





*Type 2A ergonomic tweezers are suitable to delicate applications which require holding a flat component firmly.*

- Type 2A
- Tip description: straight, very fine, round, flat

| Part No. | | L | | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 2A-SA-ET | 2A-SA | 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 | 22 g | 0,78 oz | |

## Precision Ergonomic Tweezers Type 3





*Type 3 ergonomic tweezers are suitable to delicate applications which require holding a small component firmly while allowing good visibility.*

- Type 3
- Tip description: straight, fine, pointed

| Part No. | | L | | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 3-SA-ET | 3 | 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 | 21 g | 0,74 oz | |

## Precision Ergonomic Tweezers Type 3C





*Type 3C ergonomic tweezers are made to hold small components firmly while allowing good visibility. The short body provides a firmer grip and greater practicality.*

- Type 3C
- Tip description: straight, fine, pointed

| Part No. | | L | | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 3C-SA-ET | 3C-SA | 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 | 19 g | 0,67 oz | |

# COATED TWEEZERS

## Precision Ergonomic Tweezers Type 5




*Type 5 ergonomic precision tweezers are made to hold components firmly.*

- Type 5
- Tip description: straight, very fine, sharp

| Part No. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 5-SA-ET | 5-SA | 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 | 18 g | 0,63 oz |

## Precision Ergonomic Tweezers Type AA




*Type AA Boley tweezers are made to hold components firmly.*

- Type AA
- Tip description: straight, fine, sharp

| Part No. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL AA-SA-ET | AA-SA | 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 | 20 g | 0,71 oz |

## Precision Ergonomic Tweezers Type SM116




*Type SM116 SMD precision tweezers are specially designed for holding and positioning cylindrical devices.*

- Type SM116
- Tip description: grooved, straight, vertical positioning of cylindrical devices

| Part No. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL SM116-SA-ET | SM116 | 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 | 20 g | 0,71 oz |

## Precision Ergonomic Tweezers Type 7A




*Type 7A ergonomic precision tweezers are suitable to delicate applications which require holding a component firmly while allowing maximum visibility.*

- Type 7A
- Tip description: fine, curved

| Part No. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 7A-SA-ET | 7A | 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 | 22 g | 0,78 oz |

## Precision Ergonomic Tweezers Type 7




*Type 7 ergonomic tweezers are suitable to delicate applications which require holding a small component firmly. The curved geometry provides maximum visibility and increased ergonomics.*

- Type 7
- Tip description: very fine, curved

| Part No. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 7-SA-ET | 7-SA | 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 | 22 g | 0,78 oz |



# Plastic Replaceable Tip Tweezers

## Straight Tips

- Tip material: Plastic reinforced with carbon fiber
- Body material: anti-magnetic, anti-acid stainless steel
- Professional Lindström precision plastic tweezers for electronics offer perfect balance, tip alignment and symmetry
- Made in Switzerland

### Plastic Precision Tweezers for Electronics Type 242CFR





*Type 242CF precision tweezers with wide plastic replaceable tips are designed to hold small components firmly. The carbon fiber reinforced ESD plastic provides the tweezers with non-scratching properties.*

- Type 242CF
- Tip description: wide tip, straight, fine

| Part No. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 242CFR-SA | 242CFR | 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 | 17 g | 0,6 oz |

### Plastic Precision Tweezers for Electronics Type 249CFR





*Type 249CF precision tweezers with plastic replaceable tips are made for applications (including medical) that require holding a component firmly. The carbon fiber reinforced ESD plastic gives the tweezers non-scratching properties.*

- Type 249CF
- Tip description: wide tip, straight, thick, blunt, strong

| Part No. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 249CFR-SA | 249CFR | 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 | 17 g | 0.6 oz |

### Plastic Precision Tweezers for Electronics Type 259CFR





*Type 259CF precision tweezers with plastic replaceable tips are made to hold small components firmly. The carbon fiber reinforced ESD plastic gives these wide tip tweezers non-scratching properties.*

- Type 259CF
- Tip description: wide tip, straight, fine, pointed, strong

| Part No. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 259 CFR-SA | 259CFR | 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 | 17 g | 0,6 oz |

# PLASTIC REPLACEABLE TIP TWEEZERS

## Plastic Precision Tweezers for Electronics Type 259CP



*Type 259CP precision tweezers with plastic replaceable tips are designed for holding a flat component firmly. The carbon fiber reinforced ESD PEEK plastic gives the tweezers non-scratching properties combined with excellent high temperature resistance.*

- Type 259CP
- Tip description: wide tip, straight, fine, pointed, strong

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 259CPR-SA | 259CPR | 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 | 17 g | 0,6 oz |

## Plastic Precision Tweezers for Electronics Type 00CF



*Type 00CF high precision tweezers have wide replaceable plastic tips designed for holding a component firmly. The carbon fiber reinforced ESD plastic provides the tweezers with non-scratching properties.*

- Type 00CF
- Tip description: wide tip, straight, thick, squared

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 00CFR-SA | 00CFR | 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 | 17 g | 0,6 oz |

## Plastic Precision Tweezers for Electronics Type 2ACF



*Type 2ACF precision tweezers with plastic replaceable tips are designed to hold flat components firmly. The carbon fiber reinforced ESD plastic provides the tweezers with non-scratching properties.*

- Type 259SV
- Tip description: wide tip, straight, very fine, round, flat

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 259SVR-SA | 259SVR | 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 | 17 g | 0,6 oz |

## Plastic Precision Tweezers for Electronics Type 2ACF



*Type 2ACF precision tweezers with plastic replaceable tips are designed to hold flat components firmly. The carbon fiber reinforced ESD plastic provides the tweezers with non-scratching properties.*

- Type 2ACF
- Tip description: wide tip, straight, very fine, sharp

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 2ACFR-SA | 2ACFR | 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 | 17 g | 0,6 oz |

# PLASTIC REPLACEABLE TIP TWEEZERS

## Plastic Precision Tweezers for Electronics Type 5CF





*Type 5CF precision tweezers with plastic replaceable tips are made to hold small components firmly. The carbon fiber reinforced ESD plastic provides the tweezers with non-scratching properties.*

- Type 5CF
- Tip description: wide tip, straight, very fine, sharp

| Part No. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 5CF-SA | 5CFR | 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 | 17 g | 0,6 oz |

## Plastic Precision Tweezers for Electronics Type 5CF





*Type 5CF precision tweezers with plastic replaceable tips are made to hold small components firmly. The carbon fiber reinforced ESD plastic provides the tweezers with non-scratching properties.*

- Type 5CF
- Tip description: wide tip, straight, very fine, sharp

| Part No. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 5CFR-SA | 5CFR | 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 | 17 g | 0,6 oz |

## Plastic Precision Tweezers for Electronics Type 5CP





*Type 5CP precision tweezers with plastic replaceable tips are suitable to applications which require holding a small component firmly. The Carbon Fiber reinforced ESD PEEK Plastic gives the tweezers non-scratching properties combined with excellent temperature resistance.*

- Type 5CP
- Tip description: wide tip, straight, very fine, sharp

| Part No. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 5CPR-SA | 5CPR | 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 | 17 g | 0,6 oz |

## Plastic Precision Tweezers for Electronics Type 5SV





*Type 5SV precision tweezers with plastic replaceable tips are designed for holding small components firmly. The carbon fiber reinforced ESD PVDF plastic provides the tweezers with exceptional non-scratching properties and excellent chemical resistance.*

- Type 5SV
- Tip description: wide tip, straight, very fine, sharp
- Tip material: PVDF reinforced with carbon fiber

| Part No. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 5SVR-SA | 5SVR | 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 | 17 g | 0,6 oz |

# Curved Tips

- Body material: anti-magnetic, anti-acid stainless steel
- Professional Lindström precision plastic tweezers for electronics offer perfect balance, tip alignment and symmetry
- Made in Switzerland

## Plastic Precision Tweezers for Electronics Type 7CP





*Type 7CP precision tweezers with plastic replaceable tips are made to hold small components firmly. The curved geometry provides maximum visibility and increased ergonomics. The carbon fiber reinforced ESD plastic gives the tweezers non-scratching properties and excellent temperature resistance.*

- Type 7CP
- Tip description: wide tip, curved, very fine
- Tip material: PEEK reinforced with carbon fiber

| Part No. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 7CPR-SA | 7CPR | 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 | 17 g | 0,6 oz |

## Plastic Precision Tweezers for Electronics Type 7SV





*Type 7SV precision tweezers with plastic replaceable tips are made to hold small components firmly. The curved geometry provides maximum visibility and increased ergonomics. The carbon fiber reinforced ESD PVDF plastic gives the tweezers exceptional non-scratching properties combined with excellent chemical resistance.*

- Type 7SV
- Tip description: wide tip, curved, very fine
- Tip material: PVDF reinforced with carbon fiber

| Part No. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 7SVR-SA | 7SVR | 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 | 17 g | 0,6 oz |

## Plastic Precision Tweezers for Electronics Type 7CF





*Type 7CF precision tweezers with plastic replaceable tips are made to hold small components firmly. The curved geometry provides maximum visibility and increased ergonomics. The carbon fiber reinforced ESD plastic provides the tweezers with non-scratching properties.*

- Type 7CF
- Tip description: wide tip, curved, very fine
- Tip material: Plastic reinforced with carbon fiber

| Part No. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 7CFR-SA | 7CFR | 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 | 17 g | 0,6 oz |

# Straight Tips

- Body material: anti-magnetic, anti-acid stainless steel
- Professional Lindström precision tweezers offer perfect balance, tip alignment and symmetry
- Made in Switzerland

## General Purpose Tweezers Type 475



*Type 475 general purpose tweezers are made to hold large components very firmly. Line serration gives the tips and handles extra grip and prevents slipping. Suitable for medical applications.*

- Type 475
- Tip description: straight, beveled, strong, line serrated

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 475-SA | 475 | 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 | 25 g | 0.88 oz |

## General Purpose Tweezers Type 648



*Type 648 general purpose tweezers are made to hold components firmly. Line serration gives tips and handles extra grip, also preventing slips. The alignment pin prevents the tips from intersecting. Suitable for medical applications.*

- Type 648
- Tip description: straight, thick, blunt, strong, line serrated

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 648-SA | 648 | 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 | 22 g | 0,78 oz |

# Bent Tips

## General Purpose Tweezers Type 124



*Type 124 general purpose tweezers are made to hold components very firmly. The bent geometry provides maximum visibility and increased ergonomics. Line serration gives the handles extra grip and rhomb serrated tips prevent slipping. Suitable for medical applications.*

- Type 124
- Tip description: fine, bent, blunt, rhomb serrated

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 124-SA | 124 | 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 | 20 g | 0.71 oz |

## General Purpose Tweezers Type 649



*Type 649 general purpose tweezers are made to hold components firmly. Bent tips provide maximum visibility and increased ergonomics. Line serration gives tips and handles extra grip, also preventing slips. The alignment pin prevents the tips from intersecting. Suitable for medical applications.*

- Type 649
- Tip description: bent, thick, blunt, strong, line serrated

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 649-SA | 649 | 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 | 22 g | 0,78 oz |

# Straight Tips

- Body material: anti-magnetic, anti-acid stainless steel
- Lindström tweezers offer perfect balance, tip alignment and symmetry
- Suitable for wafer handling and electronic components
- Made in Switzerland

## Stainless Steel Component Positioning Tweezers Type 578





*Type 578 component positioning tweezers are suitable to delicate applications which require holding a 2-mm cylindrical device. The line serration gives the handles extra grip.*

- Component handling tweezers, Type 578
- Tip description: straight, grooved, for 2mm cylindrical device and serrated handles

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 578-SA | 578 | 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 | 15 g | 0.53 oz |

## Stainless Steel Component Positioning Tweezers, Type 582





*Type 582 component positioning tweezers are suitable to delicate applications which require holding a 1-mm cylindrical device. The line serration gives the handles extra grip.*

- Component handling tweezers, Type 582
- Tip description: straight, grooved, arc shape, for 1mm cylindrical device

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 582-SA | 582 | 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 | 15 g | 0.53 oz |



# SMD Tweezers

# Straight Tips

- Body material: anti-magnetic, anti-acid stainless steel
- Professional Lindström SMD tweezers offer perfect balance, tip alignment and symmetry and are suited for medical applications
- Made in Switzerland

## Precision SMD Tweezers Type SM 104





*Type SM104 precision SMD tweezers are made for handling and positioning 3 lead SOT packages and monolithic chip capacitors.*

- Type SM104
- Tip description: handling and positioning SOT packages, monolithic chip capacitors, straight

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL SM 104-SA | SM104 | 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 | 15 g | 0.53 oz |

## Precision SMD Tweezers Type SM 105





*Type SM105 precision SMD tweezers are specially designed for positioning all SOT packages vertically.*

- Type SM105
- Tip description: handling, positioning SOT packages vertically, hammer shaped, straight

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL SM 105-SA | SM105 | 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 | 15 g | 0.53 oz |

## Precision SMD Tweezers Type SM 106





*Type SM106 precision SMD tweezers are specially designed for positioning all SOT packages horizontally.*

- Type SM106
- Tip description: handling, positioning SOT packages, fine shaped, straight

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL SM106-SA | SM106 | 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 | 15 g | 0,53 oz |

## Precision SMD Tweezers Type SM 108





*Type SM108 precision SMD tweezers are specially designed for positioning and soldering 1-mm wide components. The groove on the handle allows reducing tension applied on the component to avoid damage.*

- Type SM108
- Tip description: positioning, soldering 1mm wide components, straight

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL SM 108-SA | SM108 | 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 | 15 g | 0.53 oz |

# SMD TWEEZERS

## Precision SMD Tweezers Type SM 109





*Type SM109 precision SMD tweezers are specially designed for positioning and soldering 1-mm wide components.*

- Type SM109
- Tip description: positioning, soldering 1mm wide components, 45 degrees, straight

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL SM 109-SA | SM109 | 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 | 15 g | 0.53 oz |

## Precision SMD Tweezers Type SM 110





*Type SM110 precision SMD tweezers are specially designed for holding and positioning cylindrical devices.*

- Type SM110
- Tip description: holding, positioning 0.5mm cylindrical devices, grooved, straight

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL SM 110-SA | SM110 | 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 | 15 g | 0.53 oz |

## Precision SMD Tweezers Type SM 111





*Type SM111 precision SMD tweezers are specially designed for holding and positioning cylindrical devices.*

- Type SM111
- Tip description: positioning 0.6mm cylindrical devices, grooved

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL SM 111-SA | SM111 | 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 | 15 g | 0.53 oz |

## Precision SMD Tweezers Type SM 116





*Type SM116 precision SMD tweezers are specially designed for holding and positioning cylindrical devices.*

- Type SM116
- Tip description: holding, positioning 0.6mm cylindrical devices, grooved, straight

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL SM116-SA | SM116 | 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 | 14 g | 0,49 oz |

# Bent Tips

## Precision SMD Tweezers Type SM 107





*Type SM107 precision SMD tweezers are specially designed for positioning all flat devices at a 60-degree angle.*

- Type SM107
- Tip description: positioning flat devices, double bent

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL SM 107-SA | SM107 | 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 | 15 g | 0.53 oz |

# Angled Tips

## Precision SMD Tweezers Type SM 103





*Type SM103 precision SMD tweezers are made for handling and positioning 2 and 3 lead SOT packages at a 45-degree angle.*

- Type SM103
- Tip description: handling, positioning at 45 degrees angle

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL SM 103-SA | SM103 | 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 | 15 g | 0.53 oz |

## Precision SMD Tweezers Type SM 115





*Type SM115 precision SMD tweezers are specially designed for holding and positioning cylindrical devices.*

- Type SM115
- Tip description: holding, positioning 0.6mm cylindrical deivces, grooved at 30 degrees angle

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL SM 115-SA | SM115 | 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 | 14 g | 0,49 oz |

## Precision SMD Tweezers Type SM 117





*Type SM117 precision SMD tweezers are made for handling and positioning 2 and 3 lead SOT packages at a 45-degree angle.*

- Type SM117
- Tip description: positioning SOT packages at 20 degrees angle, squared

| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL SM 117-SA | SM117 | 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 | 15 g | 0.53 oz |

## ECONOMY TWEEZERS

- Excellent value for the price
- Body material: anti-magnetic, anti-acid stainless steel
- Lindström tweezers offer perfect balance, tip alignment and symmetry

### Stainless Steel Precision Economy Tweezers



| Part No. | | L | L | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 00-SA-SL | 00 | 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 | 20 g | 0,71 oz |
| TL 1-SA-SL | 1 | 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 | 15 g | 0,53 oz |
| TL 2-SA-SL | 2 | 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 | 16 g | 0,56 oz |
| TL 2A-SA-SL | 2A | 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 | 16 g | 0,56 oz |
| TL 3-SA-SL | 3 | 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 | 15 g | 0,53 oz |
| TL 3C-SA-SL | 3C | 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 | 13 g | 0,46 oz |
| TL 4-SA-SL | 4 | 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 | 13 g | 0,46 oz |
| TL 5-SA-SL | 5 | 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 | 13 g | 0,46 oz |
| TL 5A-SA-SL | 5A | 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 | 14 g | 0,49 oz |
| TL AC-SA-SL | AC | 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 | 17 g | 0,6 oz |
| TL SS-SA-SL | SS | 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 | 15 g | 0,53 oz |
| TL AA-SA-SL | AA | 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 | 18 g | 0,63 oz |
| TL MM-SA-SL | MM | 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 | 18 g | 0,63 oz |
| TL 7-SA-SL | 7 | 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 | 15 g | 0,53 oz |
| TL 7A-SA-SL | 7A | 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 | 14 g | 0,49 oz |



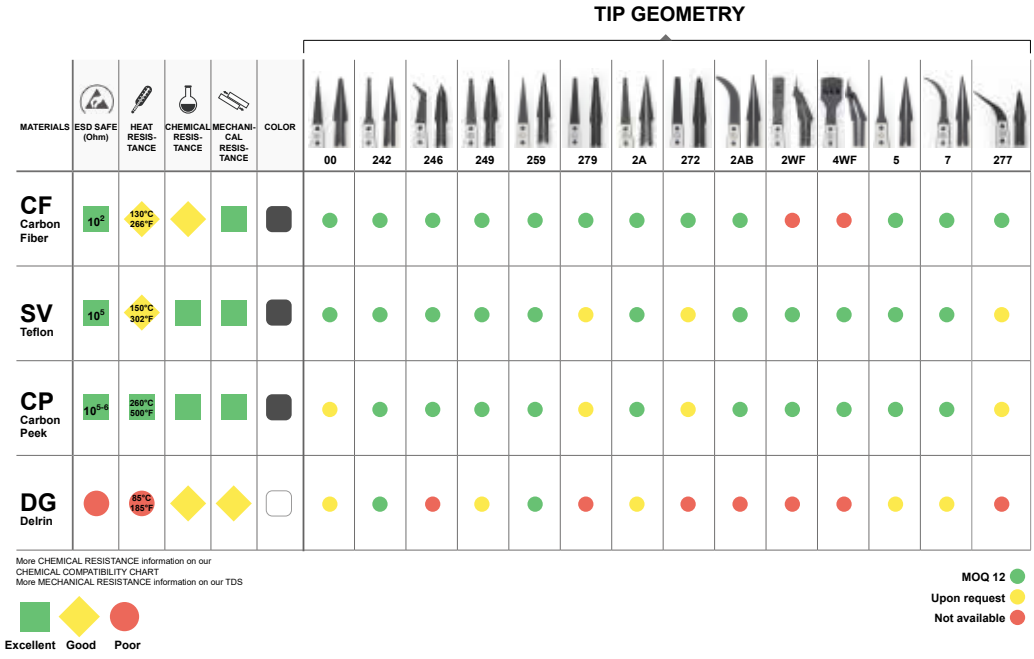
- Tip material: plastic reinforced with carbon fiber
- Professional tools, also suitable for medical use
- Tweezer spare parts, set of 2 carbon fiber tips and 3 screws for type 00CF

## Plastic Tip Tweezers Replacement Tips



| Part No. | | | | | | | | | | | | g | oz |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TL 00ACF | 00CFR | 40 mm | 1,58 in | 8 mm | 0,32 in | 3,5 mm | 0,14 in | 1 mm | 0,04 in | 1 mm | 0,04 in | 1 g | 0,04 oz |
| TL 2A ACF | 2A | 40 mm | 1,58 in | 8 mm | 0,32 in | 3,5 mm | 0,14 in | 0,5 mm | 0,02 in | 2 mm | 0,08 in | 1 g | 0,04 oz |
| TL 242ACF | 242CFR | 40 mm | 1,58 in | 8 mm | 0,32 in | 3,5 mm | 0,14 in | 0,5 mm | 0,02 in | 1,7 mm | 0,07 in | 1 g | 0,04 oz |
| TL 249 ACF | 249CFR | 40 mm | 1,58 in | 8 mm | 0,32 in | 4 mm | 0,16 in | 1 mm | 0,04 in | 2 mm | 0,08 in | 1 g | 0,04 oz |
| TL 259ACP | 259CPR | 40 mm | 1,58 in | 8 mm | 0,32 in | 3,5 mm | 0,14 in | 0,6 mm | 0,02 in | 0,6 mm | 0,02 in | 1 g | 0,04 oz |
| TL 259ASV | 259ASV | 40 mm | 1,58 in | 8 mm | 0,32 in | 3,5 mm | 0,14 in | 0,6 mm | 0,02 in | 0,6 mm | 0,02 in | 1 g | 0,04 oz |
| TL 259 ACF | 259CFR | 40 mm | 1,58 in | 8 mm | 0,32 in | 3,5 mm | 0,14 in | 0,6 mm | 0,02 in | 0,6 mm | 0,02 in | 1 g | 0,04 oz |
| TL 5ACP | 5CPR | 40 mm | 1,58 in | 8 mm | 0,32 in | 4 mm | 0,16 in | 0,5 mm | 0,02 in | 0,5 mm | 0,02 in | 1 g | 0,04 oz |
| TL 5ASV | 5SVR | 40 mm | 1,58 in | 8 mm | 0,32 in | 4 mm | 0,16 in | 0,5 mm | 0,02 in | 0,5 mm | 0,02 in | 1 g | 0,04 oz |
| TL 5ACF | 5CF | 40 mm | 1,58 in | 8 mm | 0,32 in | 4 mm | 0,16 in | 0,5 mm | 0,02 in | 0,5 mm | 0,02 in | 1 g | 0,04 oz |
| TL 7ACP | 7CPR | 40 mm | 1,58 in | 15 mm | 0,59 in | 3,5 mm | 0,14 in | 0,5 mm | 0,02 in | 0,5 mm | 0,02 in | 1,5 g | 0,05 oz |
| TL 7ACF | 7CFR | 40 mm | 1,58 in | 15 mm | 0,59 in | 3,5 mm | 0,14 in | 0,5 mm | 0,02 in | 0,5 mm | 0,02 in | 1 g | 0,04 oz |
| TL 7ASV | 7SVR | 40 mm | 1,58 in | 15 mm | 0,59 in | 3,5 mm | 0,14 in | 0,5 mm | 0,02 in | 0,5 mm | 0,02 in | 1,5 g | 0,05 oz |

## Plastic Replaceable Tip Table





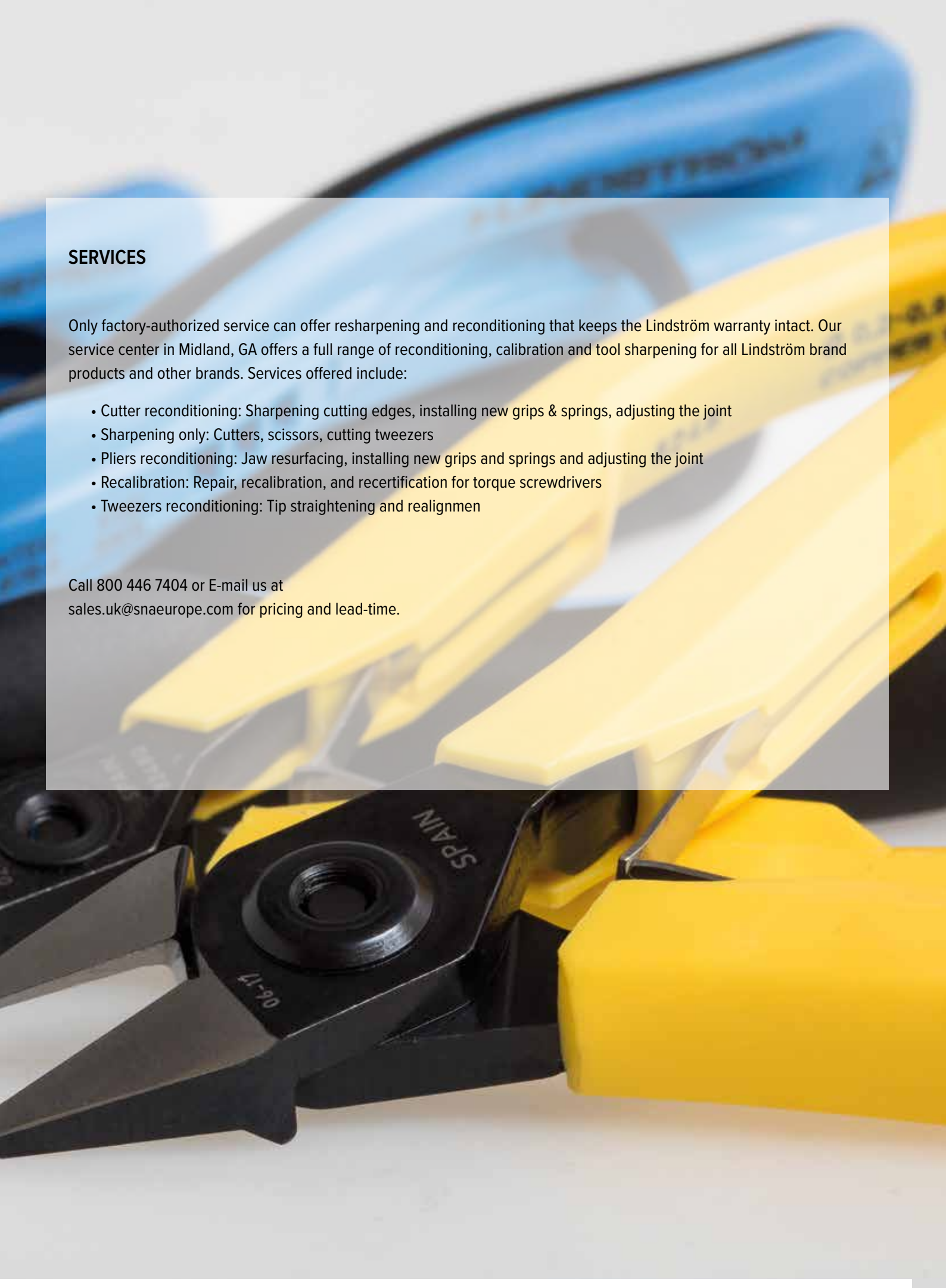
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Lindström brand tools carry a full guarantee covering defects in manufacturing material and workmanship.
Lindström does not offer, suggest nor imply a lifetime warranty applies to any tool, product or service.
Tools subjected to misapplication, abnormal use, abuse, alteration, or continued use after the tool is significantly worn, are not covered by this warranty. The Lindström facility conducts all tool evaluations for warranty claims.

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E-mail: sales.uk@snaeurope.com

Questions involving the performance of your Lindström tools should be directed to our customer service office listed above.




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- Cutter reconditioning: Sharpening cutting edges, installing new grips & springs, adjusting the joint
- Sharpening only: Cutters, scissors, cutting tweezers
- Pliers reconditioning: Jaw resurfacing, installing new grips and springs and adjusting the joint
- Recalibration: Repair, recalibration, and recertification for torque screwdrivers
- Tweezers reconditioning: Tip straightening and realignmen

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sales.uk@snaeurope.com for pricing and lead-time.

# CONTENT


| Part No. | Page |
|---|---|
| 111A | 60 |
| 121A | 60 |
| 202A | 61 |
| 204B | 61 |
| 212A | 62 |
| RX304D | 63 |
| RX331A | 62 |
| 341A | 62 |
| 601A | 63 |
| 614A | 63 |
| 6151 | 34 |
| 6152 | 34 |
| 6152SS | 34 |
| 6159 | 35 |
| 6258 | 35 |
| 7154TC | 28 |
| 7190 | 23 |
| 7191 | 23 |
| 7280 | 44 |
| 7285 | 44 |
| 7290 | 38 |
| 7291 | 38 |
| 7292 | 39 |
| 7292G | 39 |
| 7292MI | 64 |
| 7293 | 40 |
| 7490 | 50 |
| 7590 | 51 |
| 7890 | 52 |
| 7891 | 52 |
| 7892 | 53 |
| RX 7892 | 53 |
| 7893 | 54 |
| 7893K | 54 |
| 7894 | 55 |
| 7992 | 59 |
| 800-1.5-50ESD | 70 |

| Part No. | Page |
|---|---|
| 800-2.5-50ESD | 70 |
| 800-2-50ESD | 70 |
| 800-3-50ESD | 70 |
| 801-00-50ESD | 71 |
| 801-0-50ESD | 71 |
| 801-1-75ESD | 71 |
| 801-7ESD | 70, 72 |
| 801C | 59 |
| 803-10-50ESD | 71 |
| 803-15-75ESD | 71 |
| 803-20-75ESD | 71 |
| 803-6-50ESD | 71 |
| 803-7-50ESD | 71 |
| 803-7ESD | 70, 72 |
| 803-8-50ESD | 71 |
| 803-9-50ESD | 71 |
| 805-TS1-50ESD | 71 |
| 805-TS4-50ESD | 71 |
| 805-TS5-50ESD | 71 |
| 813 | 66 |
| 8130 | 21 |
| 8131 | 21 |
| 8132 | 21 |
| 8133 | 23 |
| 8134 | 23 |
| 8135 | 23 |
| 8136 | 25 |
| 8137 | 25 |
| 8138 | 25 |
| 814 | 66 |
| 8140 | 21 |
| 8140M2 | 28 |
| 8140PS | 29 |
| 8141 | 21 |
| 8141PS | 29 |
| 8142 | 21 |
| 8143 | 23 |

| Part No. | Page |
|---|---|
| 8144 | 23 |
| 8145 | 23 |
| 8146 | 25 |
| 8148 | 25 |
| 8149 | 46 |
| 8150 | 21 |
| 8150 J | 26 |
| 8150M2 | 28 |
| 8150PS | 29 |
| 8150 SK | 26 |
| 8151 | 21 |
| 8152 | 21 |
| 8153 | 23 |
| 8154 | 23 |
| 8154PSP | 28 |
| 8155 | 23 |
| 8160 | 21 |
| 8160 J | 26 |
| 8160 M2 | 28 |
| 8160PS | 29 |
| 8161 | 21 |
| 8161PS | 29 |
| 8162 | 21 |
| 8163 | 23 |
| 8164 | 23 |
| 8165 | 23 |
| 8166L | 25 |
| 8211 | 41 |
| 8247 | 42 |
| 8248 | 43 |
| 8248Q | 43 |
| 8249 | 43 |
| 9855 | 84 |
| 9857 | 84 |
| 9858 | 84 |
| 9859 | 84 |
| 9860 | 85 |

| Part No. | Page |
|---|---|
| 9861 | 85 |
| 9862 | 85 |
| 9863 | 85 |
| 7190 CO | 23 |
| 7191 CO | 23 |
| 7490 CO | 50 |
| 7590 CO | 51 |
| 7890 CO | 52 |
| 7891 CO | 52 |
| 7892 CO | 53 |
| 8131 CO | 21 |
| 8140 CO | 21 |
| 8141 CO | 21 |
| 8142 CO | 21 |
| 8144 CO | 23 |
| 8148 CO | 25 |
| 8150 CO | 21 |
| 8151 CO | 21 |
| 8154 CO | 23 |
| 8160 CO | 21 |
| 8161 CO | 21 |
| 8163 CO | 23 |
| 8165 CO | 23 |
| 8247 CO | 42 |
| 8248 CO | 43 |
| HS122M.030 | 61 |
| HS6000 | 36 |
| HS6001 | 36 |
| MA500-1A | 76 |
| MA500-2A | 76 |
| MA500-3A | 76 |
| P6160 | 30 |
| PS501-1 | 77 |
| PS501-2 | 77 |
| PS501-3 | 77 |
| PS501-4 | 77 |
| RX 601-16 | 64 |

| Part No. | Page |
|---|---|
| RX112A-1.5 | 60 |
| RX 501 | 59 |
| RX 7390 | 50 |
| RX 7392 | 50 |
| RX 7490 | 50 |
| RX 7590 | 51 |
| RX 7890 | 52 |
| RX 7891 | 52 |
| RX 7893 | 54 |
| RX 7894 | 55 |
| RX 8130 | 20 |
| RX 8131 | 20 |
| RX 8132 | 20 |
| RX8133 | 22 |
| RX8134 | 22 |
| RX8136 | 24 |
| RX 8137 | 24 |
| RX8137MX | 25 |
| RX8138 | 24 |
| RX8138MX | 25 |
| RX 8140 | 20 |
| RX8140M2 | 28 |
| RX8140PS | 29 |
| RX 8141 | 20 |
| RX8141PS | 29 |
| RX 8142 | 20 |
| RX 8142PS | 29 |
| RX 8143 | 22 |
| RX 8144 | 22 |
| RX 8145 | 22 |
| RX 8146 | 24 |
| RX 8147 | 24 |
| RX 8147PS | 29 |
| RX 8148 | 24 |
| RX 8149 | 46 |
| RX 8150 | 20 |
| RX8150M2 | 28 |

# CONTENT


| Part No. | Page |
|---|---|
| RX8150PS | 29 |
| RX 8151 | 20 |
| RX 8152 | 20 |
| RX 8153 | 22 |
| RX 8154 | 22 |
| RX8155 | 22 |
| RX 8156 | 24 |
| RX 8157 | 24 |
| RX 8158 | 24 |
| RX 8160 | 20 |
| RX8160BPS | 29 |
| RX8160M2 | 28 |
| RX 8161 | 20 |
| RX 8161PS | 29 |
| RX 8162 | 20 |
| RX8163 | 22 |
| RX 8164 | 22 |
| RX 8165 | 22 |
| RX8166 | 24 |
| RX 8167 | 24 |
| RX 8168 | 24 |
| RX 8211 | 41 |
| RX8233A | 47 |
| RX8234A | 47 |
| RX8237A | 47 |
| RX 8247 | 42 |
| RX 8248 | 43 |
| TL 00ACF | 108 |
| TL 00B-SA | 88 |
| TL 00CFR-SA | 98 |
| TL 00D-SA | 88 |
| TL 00-SA | 88 |
| TL 00-SA-ET | 94 |
| TL 00-SA-SL | 107 |
| TL 0C9-SA | 89 |
| TL 124-SA | 101 |
| TL 15A | 87 |

| Part No. | Page |
|---|---|
| TL 15AGW | 87 |
| TL 15AGWHM-SA | 87 |
| TL 1-SA | 89 |
| TL 1-SA-SL | 107 |
| TL 242ACF | 108 |
| TL 242CFR-SA | 97 |
| TL 249 ACF | 108 |
| TL 249CFR-SA | 97 |
| TL 259 ACF | 108 |
| TL 259ACP | 108 |
| TL 259ASV | 108 |
| TL 259 CFR-SA | 97 |
| TL 259SVR-SA | 98 |
| TL 2A ACF | 108 |
| TL 2ACFR-SA | 98 |
| TL 2A-SA | 89 |
| TL 2A-SA-ET | 94 |
| TL 2A-SA-SL | 107 |
| TL 2-SA-SL | 107 |
| TL 34A-SA | 92 |
| TL 3C-SA | 89 |
| TL 3C-SA-ET | 94 |
| TL 3C-SA-SL | 107 |
| TL 3-SA | 90 |
| TL 3-SA-ET | 94 |
| TL 3-SA-SL | 107 |
| TL 475-SA | 101 |
| TL 4-SA-SL | 107 |
| TL 51S-SA | 90 |
| TL 578-SA | 102 |
| TL 582-SA | 102 |
| TL 5ACF | 108 |
| TL 5ACP | 108 |
| TL 5A-SA-SL | 107 |
| TL 5ASV | 108 |
| TL 5B-SA | 91 |
| TL 5CFR-SA | 99 |

| Part No. | Page |
|---|---|
| TL 5CF-SA | 99 |
| TL 5CPR-SA | 99 |
| TL 5-SA | 90 |
| TL 5-SA-ET | 95 |
| TL 5-SA-SL | 107 |
| TL 5SVR-SA | 99 |
| TL 648-SA | 101 |
| RX 8167 | 101 |
| RX 8168 | 91 |
| RX 8211 | 102 |
| RX8233A | 106 |
| RX8234A | 106 |
| RX8237A | 91 |
| RX 8247 | 95 |
| RX 8248 | 107 |
| SP8000 | 108 |
| SP8160 | 100 |
| TL 00ACF | 100 |
| TL 00B-SA | 91 |
| TL 00CFR-SA | 95 |
| TL 00D-SA | 107 |
| TL 00-SA | 100 |
| TL 00-SA-ET | 95 |
| TL 00-SA-SL | 107 |
| TL 0C9-SA | 107 |
| TL 124-SA | 107 |
| TL 15A | 106 |
| TL 15AGW | 104 |
| TL 15AGWHM-SA | 104 |
| TL 1-SA | 106 |
| TL 1-SA-SL | 104 |
| TL 242ACF | 105 |
| TL 242CFR-SA | 105 |
| TL 249 ACF | 105 |
| TL 249CFR-SA | 106 |
| TL 259 ACF | 106 |
| TL 259ACP | 104 |

| Part No. | Page |
|---|---|
| TL 259ASV | 105 |
| TL 259CFR-SA | 96 |
| TL 259SVR-SA | 90 |
| TL 2A ACF | 107 |
| TL 2ACFR-SA | 31 |
| TL 2A-SA | 89 |
| TL 2A-SA-ET | 94 |
| TL 2A-SA-SL | 107 |
| TL 2-SA-SL | 107 |
| TL 34A-SA | 92 |
| TL 3C-SA | 89 |
| TL 3C-SA-ET | 94 |
| TL 3C-SA-SL | 107 |
| TL 3-SA | 90 |
| TL 3-SA-ET | 94 |
| TL 3-SA-SL | 107 |
| TL 475-SA | 101 |
| TL 4-SA-SL | 107 |
| TL 51S-SA | 90 |
| TL 578-SA | 102 |
| TL 582-SA | 102 |
| TL 5ACF | 108 |
| TL 5ACP | 108 |
| TL 5A-SA-SL | 107 |
| TL 5ASV | 108 |
| TL 5B-SA | 91 |
| TL 5CFR-SA | 99 |
| TL 5CF-SA | 99 |
| TL 5CPR-SA | 99 |
| TL 5-SA | 90 |
| TL 5-SA-ET | 95 |
| TL 5-SA-SL | 107 |
| TL 5SVR-SA | 99 |
| TL 648-SA | 101 |
| TL 649-SA | 101 |
| TL 65A-SA | 91 |
| TL 6-SA | 102 |

| Part No. | Page |
|---|---|
| TL 7ACF | 106 |
| TL 7ACP | 106 |
| TL 7A-SA | 91 |
| TL 7A-SA-ET | 95 |
| TL 7A-SA-SL | 107 |
| TL 7ASV | 108 |
| TL 7CFR-SA | 100 |
| TL 7CPR-SA | 100 |
| TL 7-SA | 91 |
| TL 7-SA-ET | 95 |
| TL 7-SA-SL | 107 |
| TL 7SVR-SA | 100 |
| TL AA-SA-ET | 95 |
| TL AA-SA-SL | 107 |
| TL AC-SA-SL | 107 |
| TL MM-SA-SL | 107 |
| TL SM 103-SA | 106 |
| TL SM 104-SA | 104 |
| TL SM 105-SA | 104 |
| TL SM 107-SA | 106 |
| TL SM 108-SA | 104 |
| TL SM 109-SA | 105 |
| TL SM 110-SA | 105 |
| TL SM 111-SA | 105 |
| TL SM 115-SA | 106 |
| TL SM 117-SA | 106 |
| TL SM106-SA | 104 |
| TL SM116-SA | 105 |
| TL SM116-SA-ET | 96 |
| TL SS-SA | 90 |
| TL SS-SA-SL | 107 |
| TRX 8180 | 31 |

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