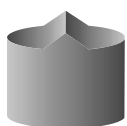


# Cutters

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.

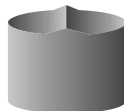
The Lindström formula for success, refined over the last 165 years, rests upon the proprietary recipe for the steel from which we make our tools, very similar to that used to manufacture high-performance ball-bearings. The use of ball-bearing grade steel and appropriate heat treatment methods ensures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

## CUTTING EDGE BEVEL / CUT RESULT



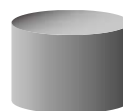
**Micro-Bevel®**  
MICRO PEAK

- 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

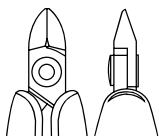
- Cut result leaves a narrow and short peak along the “pinch” line, decreasing the surface area at the cut
- Improves solderability
- Excellent for reducing lead-shock
- Very popular for the Medical Device and Jewelry manufacturing



**Ultra-Flush®**  
NO PEAK

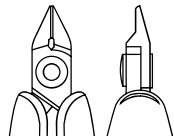
- The finest cut result available with the smoothest lead-end result
- Exceptional solderability
- Ultimate choice for minimizing component and lead-shock
- Perfect for use in close tolerance electronics, aerospace, defense and medical device manufacturing

## HEAD TYPE



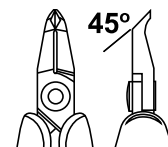
**O / Oval**

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



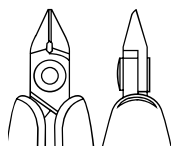
**T&R / Tapered & Relieved**

- 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



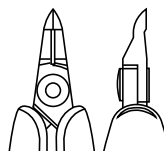
**T / Tapered**

- 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**

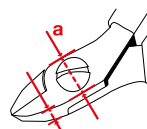
- Specialized adaption allows maximum access and reach
- Extremely small oval head shape for added strength at the tip

High Cutting Capacity

Limited Access, Low Visibility

## HEAD SIZES

XS Extra Small	S Small	M Medium	L Large
(a) 8.0 / 0.31 (b) 5.0 / 0.20	(a) 10.0 / 0.39 (b) 6.0 / 0.24	(a) 12.5 / 0.49 (b) 6.0 / 0.24	(a) 16.0 / 0.63 (b) 8.0 / 0.31



**SIZE**

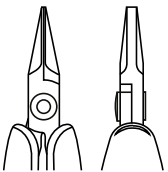
Width (a) (mm / inch)  
Thickness (b) (mm / inch)

# 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.

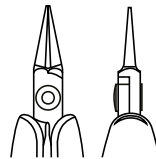
Robust yet precise, Lindström pliers provide an excellent solution to a wide range of application challenges. A variety of handle styles, consistent balance and fine workmanship set our pliers apart from the rest.

## SHAPE - MODELS FOR EVERY APPLICATION



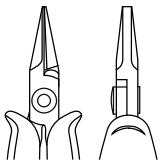
### Flat Nose = FN

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



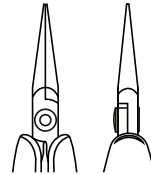
### Round Nose = RN

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



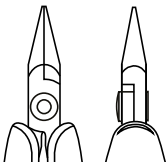
### Round/Flat Nose = R/F

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



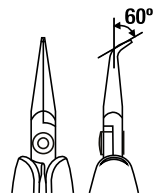
### Chain Nose = CN

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



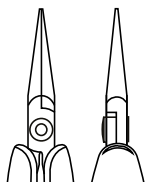
### Snipe Nose = SN

- 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

	RX	80	SUP	HS	CO	M	Size	Shape	Cut Result or Surface	Page Number
	RX-8130	8130		HS-8130			Extra Small	Oval	Micro-Bevel®	20,21
	RX-8131	8131		HS-8131	CO8131		Extra Small	Oval	Flush	20,21
	RX-8132	8132		HS-8132			Extra Small	Oval	Ultra-Flush®	20,21
	RX-8133	8133		HS-8133			Extra Small	Tapered	Micro-Bevel®	22,23
	RX-8134	8134		HS-8134			Extra Small	Tapered	Flush	22,23
	RX8135	8135		HS-8135			Extra Small	Tapered	Ultra-Flush®	22,23
	RX-8136	8136		HS-8136			Extra Small	Tapered & Relieved	Micro-Bevel®	24,25
	RX8137	8137		HS-8137			Extra Small	Tapered & Relieved	Flush	24,25
	RX8138	8138		HS-8138			Extra Small	Tapered & Relieved	Ultra-Flush®	24,25
	RX-8140	8140		HS-8140	CO8140		Small	Oval	Micro-Bevel®	20,21
	RX-8141	8141		HS-8141	CO8141		Small	Oval	Flush	20,21
	RX8142	8142		HS-8142	CO8142		Small	Oval	Ultra-Flush®	20,21
	RX-8143	8143		HS-8143			Small	Tapered	Micro-Bevel®	22,23
	RX-8144	8144		HS-8144	CO8144		Small	Tapered	Flush	22,23
	RX-8145	8145		HS-8145			Small	Tapered	Ultra-Flush®	22,23
	RX-8146	8146		HS8146			Small	Tapered & Relieved	Micro-Bevel®	24,25
	RX-8147	BAH8147		HS8147			Small	Tapered & Relieved	Flush	24,25
	RX-8148	8148		HS-8148	CO8148		Small	Tapered & Relieved	Ultra-Flush®	24,25
	RX-8149	8149		HS-8149			Small	Tip	Flush	42
	RX-8150	8150		HS-8150	CO8150		Medium	Oval	Micro-Bevel®	20,21
	RX-8151	8151		HS8151	CO8151		Medium	Oval	Flush	20,21
	RX-8152	8152		HS8152			Medium	Oval	Ultra-Flush®	20,21
	RX8153	8153		HS8153			Medium	Tapered	Micro-Bevel®	22,23
	RX8154	8154		HS8154	CO8154		Medium	Tapered	Flush	22,23
	RX8155	8155		HS-8155			Medium	Tapered	Ultra-Flush®	22,23
	RX8156	BAH8156		HS-8156			Medium	Tapered & Relieved	Micro-Bevel®	24,25
	RX8157	BAH8157		HS8157			Medium	Tapered & Relieved	Flush	24,25
	RX-8158	BAH8158		HS-8158			Medium	Tapered & Relieved	Ultra-Flush®	24,25
	RX-8160	8160		HS-8160	CO8160		Large	Oval	Micro-Bevel®	20,23,21
	RX-8161	8161		HS-8161	CO8161		Large	Oval	Flush	20,23,21
	RX8162	8162		HS-8162			Large	Oval	Ultra-Flush®	20,23,21
	RX-8163	8163		HS-8163	CO8163		Large	Tapered	Micro-Bevel®	22,23
	RX-8164	8164		HS8164			Large	Tapered	Flush	22,23
	RX8165	8165		HS8165	CO8165		Large	Tapered	Ultra-Flush®	22,23
	RX-8166	8166L		HS-8166			Large	Tapered & Relieved	Micro-Bevel®	24,25
	RX8167	BAH8167		HS-8167			Large	Tapered & Relieved	Flush	24,25
	RX-8168	BAH8168		HS-8168			Large	Tapered & Relieved	Ultra-Flush®	24,25
	RX8211	8211		HS8211			Small	Angle 20°	Flush	37
	RX8233A						Extra Small	Micro Tip 10°	Flush	43
	RX8234A						Extra Small	Micro Tip 10°	Flush	43
	RX8237A						Extra Small	Micro Tip 50°	Flush	43
	RX8247	8247		HS-8247	CO8247		Small	Angle 45°	Flush	38
	RX-8248	8248		HS-8248	CO8248		Small	Angle 45°	Flush	39
		8249					Small	Angle 45°	Flush	39
			7190		CO7190		Small	Tapered	Micro-Bevel®	23
			7191		CO7191		Small	Tapered	Flush	23
			7280	HS-7280			Small	Angle	Flush	40
			7285	HS-7285			Small	Angle	Flush	40
			7290	HS-7290			Small	Angle	Micro-Bevel®	34
			7291	HS7291			Small	Angle	Flush	34
			7292	HS7292			Small	Transverse End	Flush	35
			7293	HS7293			Small	Angle	Flush	36
						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
	RX8142PS					8142PS	Small	Oval	Ultra-flush®	29
	RX8147PS					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
	RX8161PS					8161PS	Large	Oval	Flush	29
	RX7390						Small	Flat Nose Stubby	Smooth Tip	46
	RX7392						Small	Oblique, Stubby	Smooth Tip	46
	RX-7490		7490	HS7490	CO7490		Small	Flat Nose	Smooth Tip	46
	RX-7590		7590	HS-7590	CO7590		Small	Round Nose	Smooth Tip	47
	RX7890		7890	HS-7890	CO7890		Medium	Chain Nose	Smooth Tip	48
	RX-7891		7891	HS-7891	CO7891		Medium	Chain Nose	Serrated Tip	48
	7892RX		7892	HS-7892	CO7892		Medium	Bent Nose	Smooth Tip	49
	RX-7893		7893	HS-7893			Small	Snipe Nose	Smooth Tip	50
	RX-7894		7894	HS-7894			Large	Needle Nose	Smooth Tip	51

## PLIERS

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																						✓
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7293																						
7154TC																						
8140M2																						
8150M2																						
8160M2																						
8154PSP																						
8140PS																						
8141PS																						
8142PS																						
8147PS																						
8150PS																						
8160PS																						
8160BPS																						
8161PS																						

**Piano wire**  
Tensile strength of wire 2400 MPa

**Hard wire**  
Tensile strength of wire 1800 MPa

**Medium Hard wire**  
Tensile strength of wire 800 MPa

**Soft wire**  
Tensile strength of wire 250 MPa

**RX** The ultimate in ergonomic and ESD safe handles

**80** Traditional ESD safe 80 Series handles

**SUP** Traditional ESD safe Supreme Series handles



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

**CO** ESD safe Conductive handles

**M** Traditional ESD safe Medical Series handles



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

