Erem® Table of Contents

Erem® precision pliers, cutters and tweezers are known within the electronics industry to be the highest quality tools of their kind available today. These tools are made to exacting standards using the finest quality materials. Erem has been known for years as the leader in high-end electronics application assembly tools.

Erem precision hand tools are used in a variety of electronics industries including aviation, computer, telecommunications, consumer, and medical.

Choose Erem when exacting quality standards are required.

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FEATURE CODES

V = Blister carded

TWEEZER CODES

Suffix ‘SL’ = Intermediate Tweezers
Example: 2SASL

Prefix ‘EROP’ = Economy Tweezers
Example: EROP2ASA

Erem® Tweezers

Erem Tweezers Introduction

The following pages show a selection of Erem high precision tweezers for the electronics industry. They are available in various shapes, finish, and materials such as:

Suffix	Material
S	Stainless Steel
SA	Non-magnetic, anti-acid alloy. Temperature resistant to 572°F
N	Non-magnetic nickel-silver alloy
TA	Non-magnetic titanium
None	Tempered carbon steel.

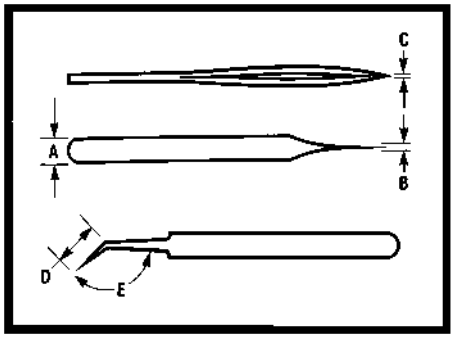
Erem Coatings
The exclusive Erem Pyroplast coating is available by special order on many models. This coating protects sensitive parts against temperature change.

Features and benefits:
- Twice the heat resistance of Teflon (932°F)
- The non-stick property of the Pyroplast coating results in no capillary effect on the tweezer tips while soldering.
- No contamination can be caused by either a positive or negative charge
- Resistant to radiation
- Coating thickness is 40 microns

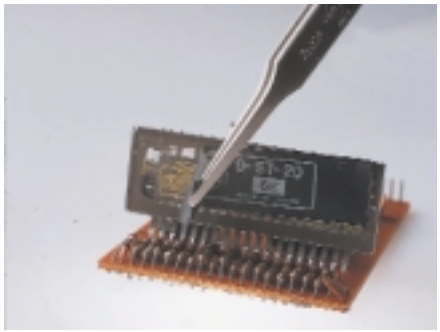
Typical applications for Erem high precision tweezers:

- Electronic assembly
- Component handling
- Soldering
- Wire and lead cutting
- Gripping
- Wafer handling
- Wire stripping
- Biomedical

Reference Dimensions



High Precision Tweezers



1SA, 1SASL High Precision Tweezers

- Fine tips
- General use



Cat No.	UPC No.	Packed	Length Inch	Length mm	Shelf Pack
1SA	043127607639	Sleeve	4.75	121	1
1SASL	043127078972	Sleeve	4.75	121	1

2SA, 2SASL High Precision Tweezers



- Stainless steel
- Anti-magnetic
- Medium points

Cat No.	UPC No.	Packed	Length Inch	Length mm	Shelf Pack
2SA	043127607752	Sleeve	4.5	114	1
2SASL	043127079009	Sleeve	4.5	114	1

2ASA, 2ASASL, EROP2ASA High Precision Tweezers



- Stainless steel
- Anti-magnetic
- Flat, round tips

Cat No.	UPC No.	Packed	Length Inch	Length mm	Shelf Pack
2ASA	043127607967	Sleeve	4.75	121	1
2ASASL	043127078996	Sleeve	4.75	121	1
EROP2ASA	043127069512	Sleeve	4.75	121	1
EROP2ASAV	043127157799	Carded	4.75	121	1

3SA, 3SASL, EROP3SA High Precision Tweezers



- Stainless steel
- Anti-magnetic
- Straight precision tweezers for micro-electronics

Cat No.	UPC No.	Packed	Length Inch	Length mm	Shelf Pack
3SA	043127608056	Sleeve	4.75	121	1
3SASL	043127079030	Sleeve	4.75	121	1
EROP3SA	043127622663	Sleeve	4.75	121	1
EROP3SAV	037103157775	Carded	4.75	121	1

3CBS High Precision Tweezers

- Stainless steel
- Anti-magnetic
- Curved tips angled at 45°
- For delicate circuitry assembly



Cat No.	UPC No.	Packed	Length Inch	Length mm	Shelf Pack
3CBS	043127612787	Sleeve	4.25	108	1

3CS High Precision Tweezers

- Stainless steel
- Anti-magnetic
- Straight points
- For delicate circuitry assembly



Cat No.	UPC No.	Packed	Length Inch	Length mm	Shelf Pack
3CS	043127608254	Sleeve	4.25	108	1

3CSA, 3CSASL, EROP3CSA High Precision Tweezers

- Stainless steel
- Anti-magnetic
- Fine tip micro-electronic tweezer
- Shorter version of 3SA



Cat No.	UPC No.	Packed	Length Inch	Length mm	Shelf Pack
3CSA	043127608292	Sleeve	4.25	108	1
3CSASL	043127079023	Sleeve	4.25	108	1
EROP3CSA	043127622670	Sleeve	4.25	108	1
EROP3CSAV	037103157782	Carded	4.25	108	1

4SA, 4SASL High Precision Tweezers



- Very fine, tapered tips
- For sub-miniature applications

Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
4SA	043127608353	Sleeve	4.25	108	.375	10	.011	0.3	1
4SASL	043127079054	Sleeve	4.25	108	.375	10	.011	0.3	1

5SA, 5SASL, EROP5SA High Precision Tweezers



- Stainless steel
- Anti-magnetic
- Super-fine points
- For handling very fine wires, miniature components

Cat No.	UPC No.	Packed	Length Inch	Length mm	Shelf Pack
5SA	043127608445	Sleeve	4.5	114	1
5SASL	043127079085	Sleeve	4.5	114	1
EROP5SA	043127622694	Sleeve	4.5	114	1
EROP5SAV	037103157768	Carded	4.5	114	1

5ASA, 5ASASL, EROP5ASA High Precision Tweezers



- Offset precision point
- 10° tip offset enhances access to confined areas

Cat No.	UPC No.	Packed	Length Inch	Length mm	Shelf Pack
5ASA	043127608643	Sleeve	4.5	114	1
5ASASL	043127079061	Sleeve	4.5	114	1
EROP5ASA	043127622700	Sleeve	4.5	114	1
EROP5ASAV	037103157812	Carded	4.5	114	1

5CSA High Precision Tweezers

- Relieved, bent tip for greater visibility under a microscope
- Bent tip at 30°



Cat No.	UPC No.	Packed	Length Inch	Length mm	Shelf Pack
5CSA	043127608704	Sleeve	4.5	114	1

7SA, 7SASL, EROP7SA High Precision Tweezers

- Precision point
- Curved for easy manipulation in confined areas



Cat No.	UPC No.	Packed	Length Inch	Length mm	Shelf Pack
7SA	043127608896	Sleeve	4.75	121	1
7SASL	043127079108	Sleeve	4.75	121	1
EROP7SA	043127622717	Sleeve	4.75	121	1
EROP7SAV	037103157751	Sleeve	4.75	121	1

11N High Precision Tweezers

- Made of non-magnetic nickel-silver alloy
- Medium, soft tips



Cat No.	UPC No.	Packed	Length Inch	Length mm	Shelf Pack
11N	043127607646	Sleeve	4.75	121	1

20AS High Precision Swiss Tweezers



- Semi-fine tips
- Short model, alignment pin
- Serrated tips and outside handles

Cat No.	UPC No.	Packed	Length Inch	Length mm	Shelf Pack
20AS	043127080951	Sleeve	4.25	108	1

21SA High Precision Swiss Tweezers



- Semi-fine, serrated jaws
- Serrated outside handle

Cat No.	UPC No.	Packed	Length Inch	Length mm	Shelf Pack
21SA	043127074202	Sleeve	6.25	159	1

24SA High Precision Swiss Tweezers



- For soldering and assembly jobs
- Serrated tips and outside handles
- Alignment pin

Cat No.	UPC No.	Packed	Length Inch	Length mm	Shelf Pack
24SA	043127097089	Sleeve	6	152	1

25SA High Precision Swiss Tweezers



- Broad tip nickel plated
- Non-marring of delicate parts

Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
25SA	043127613753	Sleeve	4.75	121	.393	10	.027	0.6	1

29SA High Precision Swiss Tweezers

- Reverse action for holding parts
- Fibre-grip handles



Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
29SA	043127610134	Sleeve	6	152	.393	10	.098	2.5	1

30SA High Precision Swiss Tweezers

- Reverse action
- Ideal soldering tool
- Fibre-grip handles
- Bent at 50° angle



Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
30SA	043127610196	Sleeve	6	152	.433	11	.078	2	1

51SA, 52SASL High Precision Tweezers

- Very fine tips
- Bent at 30° angle



Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
51SA	043127608551	Sleeve	4.5	114	.335	8.5	.016	0.5	1
51SASL	043127079146	Sleeve	4.5	114	.335	8.5	.016	0.5	1

52ASA High Precision Swiss Tweezers

- Crush-proof design, smooth action
- Straight round tips



Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
52ASA	043127608575	Sleeve	4.75	121	.393	10	.015	0.4	1

53CSA High Precision Swiss Tweezers



- Crush-proof design, smooth action
- Very fine points

Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
53CSA	043127608599	Sleeve	4.25	108	.335	8.5	.015	0.4	1

65ASA High Precision Swiss Tweezers



- Fine, bent tips
- For extra fine chips and miniature components
- Tips angled at 150°

Cat No.	UPC No.	Packed	Length Inch	Length mm	Shelf Pack
65ASA	043127608865	Sleeve	5.5	140	1

249SA High Precision Swiss Tweezers





- Synthetic heat resistant tips to 480° F (250° C)
- Waterproof
- Acid resistant
- Resistant to molten solder (for brief periods)
- ESD safe

Cat No.	UPC No.	Packed	Length Inch	Length mm	Shelf Pack
249SA	043127066528	Sleeve	5.00	127	1

258SA High Precision Swiss Tweezers





- Very fine, synthetic heat resistant tips to 480° F (250° C)
- Acid resistant
- Waterproof
- Resistant to molten solder
- ESD safe

Cat No.	UPC No.	Packed	Length Inch	Length mm	Shelf Pack
258SA	043127629037	Sleeve	4.75	121	1

AAS High Precision Swiss Tweezers

- Crush-proof design, smooth action
- Nickel plated



Cat No.	UPC No.	Packed	Length Inch	Length mm	Shelf Pack
AAS	043127609213	Sleeve	4.75	121	1

AASA, EROPAASA High Precision Tweezers

- General use
- Straight point, hardened tips



Cat No.	UPC No.	Packed	Length Inch	Length mm	Shelf Pack
AASA	043127609237	Sleeve	5.00	127	1
EROPAASA	043127622724	Sleeve	5.00	127	1
EROPAASAV	037103157744	Carded	5.00	127	1

ACSA, EROPACSA High Precision Tweezers

- General use
- Straight point, hardened tips
- Outer serrations



Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
ACSA	043127610653	Sleeve	4.25	108	.335	8.5	.027	0.7	1
EROPACSA	043127622731	Sleeve	4.25	108	.335	8.5	.027	0.7	1

AM High Precision Swiss Tweezers



- Brass straight points
- Non-sparking
- Soft metal protects sensitive parts against damage

Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
AM	043127609275	Sleeve	4.5	114	.393	10	.023	0.6	1

OOSA, EROPOOSA High Precision Tweezers



- Fine, straight precision points
- Flat inside edges
- Heavy duty applications
- Electronic assembly tweezers

Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
OOSA	043127609411	Sleeve	4.75	121	.355	9	.027	0.7	1
EROPOOSA	037103163998	Sleeve	4.75	121	.355	9	.027	0.7	1
EROPOOSAV	037103157805	Carded	4.75	121	.355	9	.027	0.7	1

OOBSA High Precision Swiss Tweezers



- Thick handles with external serrations

Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
OOBSA	043127609893	Sleeve	4.75	121	.355	9	.027	0.7	1

OOCSA High Precision Swiss Tweezers



- Fine, straight precision points
- Smaller version of OOSA

Cat No.	UPC No.	Packed	Length Inch	Length mm	Shelf Pack
OOCSA	043127612633	Sleeve	4.25	108	1

OODSA, EROPOODSA High Precision Tweezers

- Fine, straight precision points
- Serrated tips and outside handles



Cat No.	UPC No.	Packed	Length Inch	Length mm	Shelf Pack
OODSA	043127612640	Sleeve	4.75	121	1
EROPOODSA	043127142741	Sleeve	4.75	121	1

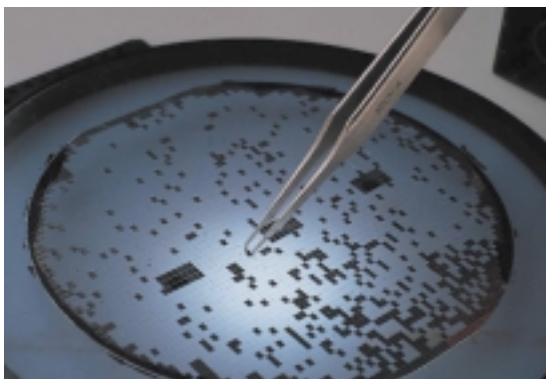
SSSA, EROPSSSA High Precision Tweezers

- Straight precision points
- Extra long and narrow for access to confined areas



Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
SSSA	043127609497	Sleeve	5.50	140	.275	7	.019	0.5	1
EROPSSSA	043127622762	Sleeve	5.50	140	.275	7	.019	0.5	1

SMD Tweezers



102ACA SMD Swiss Tweezers

- For chip/SMD handling
- Angled head reduces operator fatigue



Cat No.	UPC No.	Packed	Length Inch	Length mm	Shelf Pack
102ACA	043127613050	Sleeve	4.5	114	1

103ACA SMD Swiss Tweezers



- For chip/SMD handling
- Angled head reduces operator fatigue
- Bent tips

Cat No.	UPC No.	Packed	Length Inch	Length mm	Shelf Pack
103ACA	043127613074	Sleeve	4.5	114	1

150SAD SMD Swiss Tweezers



- Miniature axial lead component handling tweezers for transverse placing with SMD and mixed circuits
- From .060" (1.5mm) to .157" (4mm) O.D.

Cat No.	UPC No.	Packed	Length Inch	Length mm	Shelf Pack
150SAD	043127074745	Sleeve	4.5	114	1

150SAMB SMD Swiss Tweezers



- Miniature axial lead component handling tweezers for transverse placing with SMD and mixed circuits
- Bent to 40°
- For cylindrical posts .047" (1.2mm) to .098" (2.5mm) O.D.

Cat No.	UPC No.	Packed	Length Inch	Length mm	Shelf Pack
150SAMB	043127080937	Sleeve	4.75	121	1

150SAMF SMD Swiss Tweezers



- For miniature cylindrical components .047" (1.2mm) to .098" (2.5mm) O.D.

Cat No.	UPC No.	Packed	Length Inch	Length mm	Shelf Pack
150SAMF	043127074752	Sleeve	4.75	121	1

150SA, 151SA SMD Swiss Tweezers

- Axial component insertion and handling tweezer
- For body O.D. .118" (3.0mm) to .236" (6mm)



Cat No.	UPC No.	Packed	Length Inch	Length mm	Shelf Pack
150SA	043127610004	Sleeve	4.75	121	1
151SA	043127610011	Sleeve	4.75	121	1

Cutting Tweezers



15AGW, 15AGS Cutting Swiss Tweezers

- Oblique head cutting tweezers
- For soft wire up to 0.25mm diameter
- 15AGS has finer head for working on micro-electronics circuits



Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
15AGW	043127610066	Sleeve	4.5	114	.393	10	.215	5.5	1
15AGS	037103157829	Sleeve	4.25	108	.393	10	.215	5.5	1

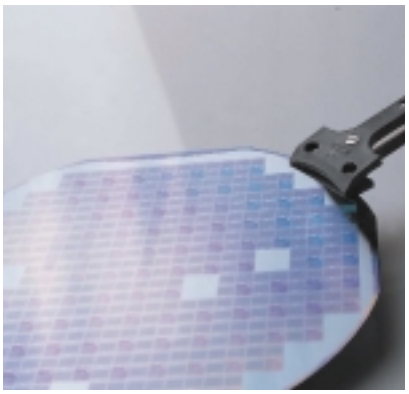
29W30 Stripping Swiss Tweezers



- Sensitive, self-closing wire stripper
- For standard or Teflon wires
- For wires .010 in. (0.25mm) diameter to .012 in. (0.30mm)

Cat No.	UPC No.	Packed	Length Inch	Length mm	Shelf Pack
29W30	043127097102	Sleeve	4.75	121	1

Wafer Swiss Tweezers



91SA Wafer Swiss Tweezers



- To pick up 3" or 4" Silicon wafers

Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
91SA	043127609145	Sleeve	5	127	.157	4	.275	7	1

141SAP Wafer Swiss Tweezers



- The best wafer tweezer: safe handling
- Polyester plates
- Non-magnetic handles
- Will not damage 5" or 6" Si, GaAs or Ti wafers

Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
141SAP	043127074622	Sleeve	6	152	1.181	30	.314	8	1

500ASA Wafer Swiss Tweezers

- L-shaped, fingered upper paddle
- Wide bearing surface increases handling control
- For 4" and 5" wafers



Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
500ASA	043127608483	Sleeve	5	127	.118	3	.354	9	1

600ASA Wafer Swiss Tweezers

- For handling 6" wafers



Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
600ASA	043127608759	Sleeve	5	127	.118	3	.355	9	1

600JSA Wafer Swiss Tweezers

- Free-floating Teflon paddle for self parallel-adjustment on 4" to 6" wafers



Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
600JSA	043127608827	Sleeve	5	127	.257	6.5	.375	9.5	1

608ASA Wafer Swiss Tweezers

- For 6" Silicon wafers



Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
608ASA	043127605291	Sleeve	5	127	1.200	30.5	.385	10	1

Ergonomic Series Tweezers

"ESD" Safe

Swiss made quality for your most demanding applications. Erem ergonomic tweezers give you the highest quality grade level for micro electronic handling applications. The comfort grips provide the ultimate in comfort and control. They also act as a heat shield.

- Stainless steel construction
- Anti-magnetic
- ESD safe



E3CSA, E5SA, E5ASA, E2ASA, EOOSA, E7SA, E51SASL, and E15AGW Ergonomic Series Tweezers



"ESD" Safe

- Stainless steel construction
- Anti-magnetic
- ESD safe
- Straight, or curved (E7SA) high precision tips

Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
E3CSA	037103156396	Tube	5.5	140	.390	15	.015	.038	1
E5SA	037103156457	Tube	5.5	140	.390	15	.019	.048	1
E5ASA	037103173034	Tube	4.5	114	.390	15	.019	.048	1
E2ASA	037103156488	Tube	5.5	140	.390	15	.015	.038	1
EOOSA	037103156464	Tube	5.5	140	.390	15	.019	.048	1
E7SA	037103156471	Tube	5.5	140	.390	15	.016	.041	1
E51SASL	037103173041	Tube	6	152	.390	15	.016	.041	1
E15AGW	037103182432	Tube	5.25	133	.390	15	N/A	N/A	1

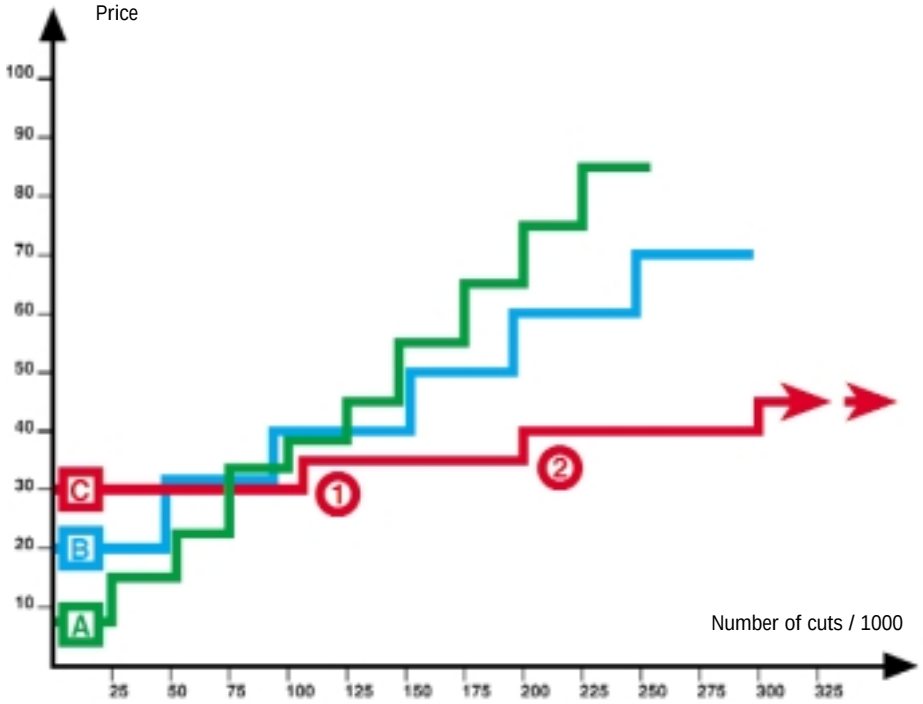
Erem® Magic® Cutters - Cost Comparisons

Erem® Magic®

Cost per cut comparison:

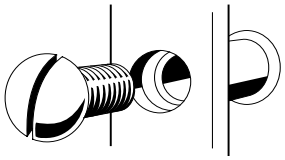
A = Low-end tools
B = Medium quality tools
C = Erem tools

1, 2 = average stages of Erem cutters needing sharpening

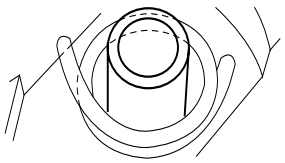


Erem® Magic® Cutters - Joint Assembly

Joints
Surfaces between the two halves are machine-faced. They provide smooth, wobble-free operation. Interlock Screw System, no blades overlapping, no way of blocking the head by "over tightening".

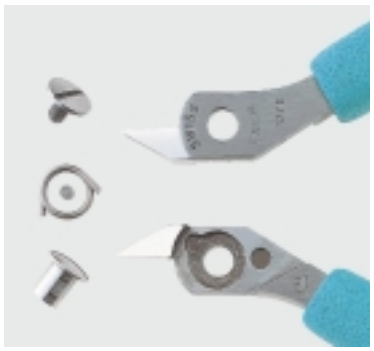


Springs
Built-in springs! Invisible, long life, interchangeable. The closing and opening force is linear. Minimum hand pressure to reduce user fatigue.



Opening Stops
Ergonomic-type integrated stop. Limits handles from opening and reduces operator fatigue by preventing excessive hand spread.

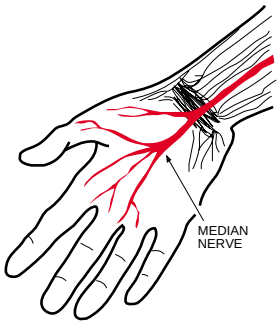
* Magic Handles
Static-dissipative. Standard on all models. No extra cost.



CP (Option)
Conductive grips, available on all Magic tools. Add “CP” when ordering. Example: 595 E + CP
3 Sizes: Series 500, 600, 800

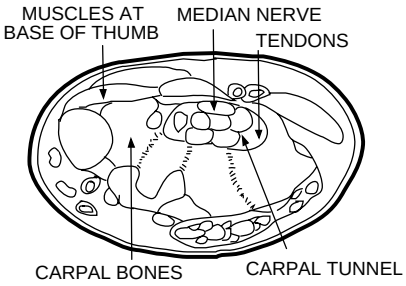


Erem® Ergonomics



Introduction

Repetitive use of hand tools can cause compression of the median nerve and produce sensations of “pins” and “needles.”



Problem: CTS

This possible discomfort is called Carpal Tunnel Syndrome (CTS). The ability to grip and hold objects can be impaired.



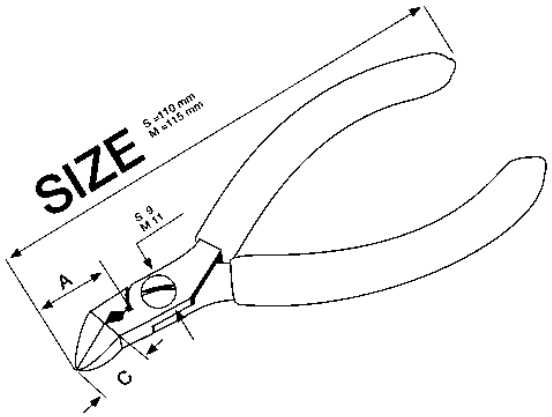
2200-Series Ergonomic Grip

Two Solutions:

1.) Many Erem pliers and cutters are available with an optional ergonomic-type handle. This grip has been developed by Erem to reduce exposure to CTS. It allows gripping pressure to be distributed over the full palm area. It is slightly flexible, soft and lightweight. Add prefix “E”. Example: E612N.

2.) The Erem 2200-series has been specifically designed to reduce exposure to CTS. The compound curve handles provide a grip that matches the contours of your hand, so gripping pressure is more evenly distributed over your palm.

Suggestions for Choosing the Proper Cut



Cut:		
Semi-flush	SF	
Flush	F	
Super Full Flush	FF	

- For current works, one should consider blades with semi-flush edges (**SF**)
- Flush cut (**F**)
- Super full flush cut with “razor sharp” cutting edges, exclusively for soft wires; EREM 700 series (**FF**)

Erem® Magic® Cutters - Exclusive Features and Benefits

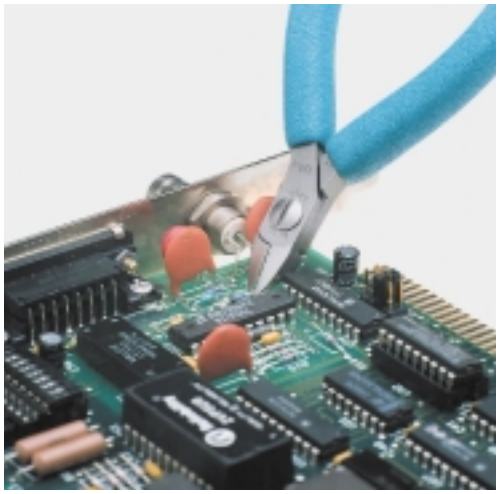
Erem® Magic®

Swiss made for superior quality, precision, reliability, lifetime, and ergonomics.
Exclusive Features & Benefits of the Erem® Magic® Line

- Made of extruded, 100% machined Eremadium® tool steel for superior durability
- Patented internal Magic spring maintain constant “fatigue-free” operation for over 1 million openings!
- Built in Magic springs are invisible and interchangeable
- Erem Maximum Opening Stop (EMOS) limits handles from opening and reduces operator fatigue by preventing excessive hand spread
- ESD safe cushion grips for unmatched comfort and protection
- Surfaces between the two halves are machine-faced to a tolerance of .00039" providing smooth, wobble-free operation
- Interlock screw joint system eliminates blade overlapping, preventing mechanical shock and damage to sensitive components
- Erem Magic tools are hand made to exacting standards in Switzerland

The chart on page 19 illustrates that after being resharpened only two times, Erem provides hundreds of thousands of cuts. Other brands, after multiple purchases, yield thousands of cuts less at a much greater cost.

“N” Series Cutters



612N, E612N “N” Series Cutters

- Small oval head, semi-flush



Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Dimension "B" Inch	Dimension "B" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
612N	043127132049	Boxed	4.25	108	.05	1.3	.402	10	.236	6	.374	9.5	1
612NV	043127144271	Carded	4.25	108	.05	1.3	.402	10	.236	6	.374	9.5	1
***E612N**	043127132155	Boxed	5.75	147	.05	1.3	.402	10	.236	6	.374	9.5	1

* Ergonomic version

622N, E622N “N” Series Cutters



- Small oval head, full flush

Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Shelf Pack
622N	043127132056	Boxed	4.25	108	.05	1.3	.354	9	1
622NV	043127144288	Carded	4.25	108	.050	1.3	.394	10	6
***E622N**	043127132117	Boxed	5.75	147	.05	1.3	.354	9	1

622NA, 622NB “N” Series Cutters



- 622NA tapered head, full flush
- 622NB tapered relieved head, full flush

Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Shelf Pack
622NA	043127155320	Boxed	4.25	108	.050	1.3	.394	10	1
622NB	043127155337	Boxed	4.25	108	.050	1.3	.394	10	1

632N, E632N “N” Series Cutters



- Small head, super full flush

Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Shelf Pack
632N	043127137051	Boxed	4.25	108	.050	1.3	.394	10	1
632NV	043127144257	Carded	4.25	108	.050	1.3	.394	10	6
***E632N**	043127137044	Boxed	5.75	147	.050	1.3	.394	10	1

* Ergonomic version

512N, E512N “N” Series Cutters

- Medium oval head, semi-flush



Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Dimension "B" Inch	Dimension "B" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
512N	043127132025	Boxed	4.5	114	.063	1.6	.394	10	.256	6.5	.394	10	1
512NV	043127144264	Carded	4.5	114	.063	1.6	.394	10	.256	6.5	.394	10	1
***E512N**	043127132148	Boxed	5.75	147	.063	1.6	.394	10	.256	6.5	.394	10	1

522N, E522N “N” Series Cutters

- Medium oval head, full flush



Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Dimension "B" Inch	Dimension "B" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
522N	043127132032	Boxed	4.5	114	.063	1.6	.453	11.5	.256	6.5	.453	11.5	1
522NV	043127144295	Carded	4.5	114	.063	1.6	.453	11.5	.256	6.5	.453	11.5	1
***E522N**	043127132131	Boxed	5.75	147	.063	1.6	.453	11.5	.256	6.5	.453	11.5	1

532N, E532N “N” Series Cutters

- Medium oval head, super full flush



Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Shelf Pack
532N	043127137020	Boxed	4.5	114	.063	1.6	.394	10	1
532NV	043127144301	Carded	4.5	114	.063	1.6	.394	10	6
***E532N**	043127137037	Boxed	5.75	147	.063	1.6	.394	10	1

* Ergonomic version

Diagonal Cutters



576Z Diagonal Cutter



- For fine, soft wire
- Tapered head relieved for cutting in limited access areas
- Full flush cut

Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Dimension "D" Inch	Dimension "D" mm	Shelf Pack
576Z	043127076893	Boxed	4.5	114	.047	1.2	.354	9	.039	1.0	1

577E Diagonal Cutter



- For fine, soft wire
- Super-fine tapered head
- Full flush cut

Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Dimension "D" Inch	Dimension "D" mm	Shelf Pack
577E	043127076909	Boxed	4.5	114	.047	1.2	.354	9	.039	1.0	1

592E Diagonal Cutter

- For copper wire
- Fine tapered relieved head for cutting in limited access areas
- Full flush cut



Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Dimension "D" Inch	Dimension "D" mm	Shelf Pack
592E	043127077012	Boxed	4.5	114	.024	0.06	.472	12	.059	1.0	1

595E and E595E Diagonal Cutters

- Tapered head cutter
- Full flush cut

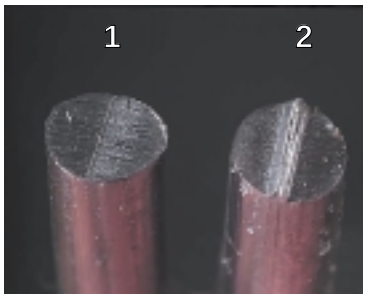


Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Dimension "D" Inch	Dimension "D" mm	Shelf Pack
595E	043127077036	Boxed	4.5	114	.047	1.2	.472	12	.059	1.0	1
***E595E**	043127602801	Boxed	5.75	147	.047	1.2	.472	12	.059	1.0	1

700 Series Cutters



1 = Erem
2 = Others



* Ergonomic version

776E and E776E “700” Series Cutters



- Small head relieved tapered for cutting in limited access areas
- Meticulously honed and sharpened to give you a perfect Super full flush cut

Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Dimension "D" Inch	Dimension "D" mm	Shelf Pack
776E	043127077586	Boxed	4.25	108	.039	1.0	.354	9	.039	1.0	1
***E776E**	043127121838	Boxed	5.75	147	.039	1.0	.354	9	.039	1.0	1

777E “700” Series Cutters



- Fine tapered head
- Super full flush cut

Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Dimension "B" Inch	Dimension "B" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
777E	043127077593	Boxed	4.25	108	.039	1.0	.382	9.7	.236	6	.382	9.7	1
***E777E**	043127110221	Boxed	5.75	147	.039	1.0	.382	9.7	.236	6	.382	9.7	1

792E and E792E “700” Series Cutters

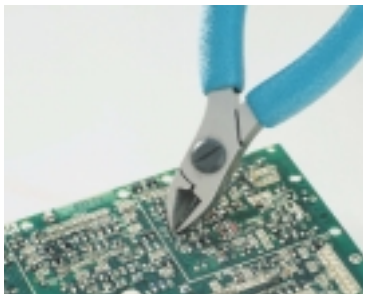


- Long Tapered Relived head for cutting in limited areas
- Super Full Flush
- For fine soft wires 24 awg and smaller

Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Dimension "D" Inch	Dimension "D" mm	Shelf Pack
792E	043127077616	Boxed	4.5	114	.024	0.6	.512	13	.039	1	1
***E792E**	043127615993	Boxed	5.75	147	.024	0.6	.512	13	.039	1	1

* Ergonomic version

"800" Series Cutters



884E "800" Series Cutters

- Large Tapered Relieved head facilitates close quarter cutting
- Full flush cut
- For 16 awg wire and smaller



Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
884E	043127077739	Boxed	4.75	121	.059	1.5	.591	15	.591	15	1

886E "800" Series Cutters

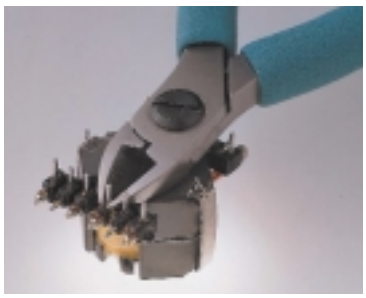
- Large Full Tapered head ideal for heavy duty cutting applications
- Full flush cut
- For 16 awg wires and smaller



Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Dimension "D" Inch	Dimension "D" mm	Shelf Pack
886E	043127077746	Boxed	4.75	121	.070	1.8	.591	15	.059	1	1

896E "800" Series Cutters

- Large Round head for general purpose cutting applications
- Semi flush cut
- For 14 awg wires and smaller



Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
896E	043127077753	Boxed	4.75	121	.059	1.5	.591	15	-	-	1

"2200" Series Cutters



"ESD" Safe

- The compound curve handles provide a grip that matches the contours of your hand, so gripping pressure is more evenly distributed over your palm
- Thumb and fingers self-position easily, so the soft foam cushion grips fall naturally into the curve of the palm, making the tool much more comfortable
- Made of extruded, 100% machined Eremadium® tool steel for superior durability
- Patented internal Magic® spring maintains constant "fatigue-free" operation for over 1 million openings!
- Built in Magic® springs are invisible
- Erem Maximum Opening Stop (EMOS) limits handles from opening and reduces operator fatigue by preventing excessive hand spread
- ESD safe cushion grips for unmatched comfort and protection
- Surfaces between the two halves are machine-faced to a tolerance of .00039" providing smooth, wobble-free operation
- Interlock screw joint system eliminates blade overlapping, preventing mechanical shock and damage to sensitive components
- Erem 2200-Series tools are hand-made to exacting standards in Switzerland

2212E "2200" Series Cutters



- Universal cutter, oval head, diagonal
- Semi-flush
- For soft copper wire AWG 32 - 16

Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Shelf Pack
2212E	043127143564	Boxed	6.5	165	.063	1.6	.394	10	1

2222E "2200" Series Cutters



- Universal cutter, oval head, diagonal
- Full flush
- For soft copper wire AWG 38 - 16

Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Shelf Pack
2222E	043127143571	Boxed	6.5	165	.063	1.6	.394	10	1

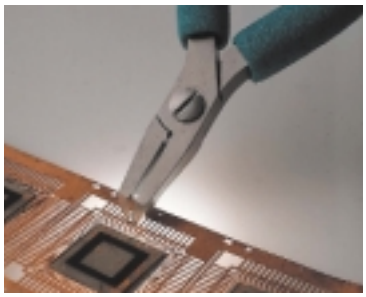
2232E “2200” Series Cutters

- Universal cutter, oval head, diagonal
- Super full-flush
- For soft copper wire AWG 38 - 16



Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Shelf Pack
2232E	043127143540	Boxed	6.5	165	.063	1.6	.394	10	1

Angled Tip Cutters



503E Angled Tip Cutter

- Oblique head for horizontal or vertical cutting
- Full flush cut
- 30° angle head
- For 16 awg wire and smaller



Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
503E	043127075445	Boxed	4.25	108	.047	1.2	.472	12	.394	10	1

504E Angled Tip Cutter



- Oblique Nippers for extra clearance
- Full flush cut
- For 16 awg wire and smaller

Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
504E	043127075483	Boxed	4.25	108	.047	1.2	.472	12	.394	10	1

555E Angled Tip Cutter



- 40° angled head
- Full flush cut
- For 20 awg wire and smaller included .010-.030 nickel ribbon

Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
555E	043127076756	Boxed	4.75	121	.047	1.2	.866	22	.256	6.5	1

570E, E570E Angled Tip Cutter



- Small Tapered relieved head ideal for confined area
- Full flush cut
- For 24 awg soft wire and smaller

Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Dimension "B" Inch	Dimension "B" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
570E	043127076770	Boxed	4.75	121	.024	0.6	.866	22	.256	6.5	.157	4	1
***E570E**	043127602290	Boxed	6	152	.024	0.6	.866	22	.256	6.5	.157	4	1

* Ergonomic version

572E Angled Tip Cutter

- Medium head for cutting horizontal or vertical
- Full flush cut
- For 22 awg wire and .010-.030 nickel ribbon



Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
572E	043127076817	Boxed	4.5	114	.024	0.6	.709	18	.256	6.5	1

575E, E575E Angled Tip Cutter

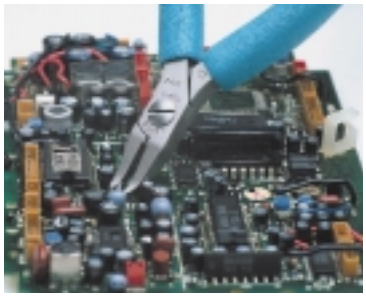
- Miniature angle cutter for delicate cutting applications
- Full flush cut
- For 22 awg and smaller wires



Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
575E	043127076879	Boxed	4.25	108	.024	0.6	.591	15	.157	5	1
***E575E**	043127084522	Boxed	6	152	.024	0.6	.591	15	.157	5	1

582E, E582E Angled Tip Cutter

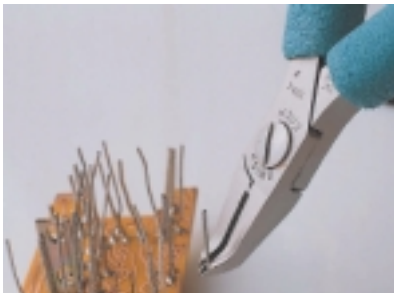
- Medium head size angle cutter
- Full flush cut
- For 20 awg wire and smaller also for nickel ribbon .010-. 030
- 582E Length is 4.5" (114mm)
- E582E Length is 6.25" (159mm)



Cat No.	UPC No.	Packed	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Dimension "B" Inch	Dimension "B" mm	Dimension "C" Inch	Dimension "C" mm	Dimension "D" Inch	Dimension "D" mm	Dimension "E" Inch	Dimension "E" mm	Shelf Pack
582E	043127076923	Boxed	.047	1.2	.787	20	.256	6.5	.276	7	.060	1.5	.197	5	1
***E582E**	043127084522	Boxed	.047	1.2	.787	20	.256	6.5	.276	7	.060	1.5	.197	5	1

* Ergonomic version

582EW Angled Tip Cutter



- With retention clip
- Medium head size angle cutter
- Full flush cut
- For 20 awg wire and smaller also for nickel ribbon .010 - .030

Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
582EW	043127076954	Boxed	4.5	114	.03	0.8	.787	20	.276	7	1

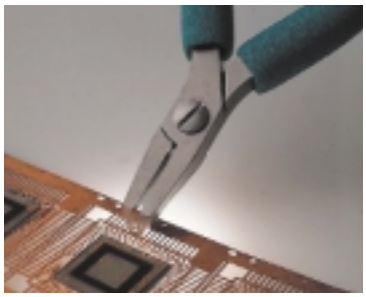
578E Angled Tip Cutter



- Oblique head design allows for maximum visibility
- Full flush cut
- For small nickel ribbon and 22 awg wire or smaller

Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
578E	043127076916	Boxed	4.25	108	.047	1.20	.472	12	.300	7.5	1

Tip Cutters



670E Tip Cutter

- Miniature Relieved tapered head
- Full flush cut
- Designed to give optimum access in confined areas
- For 24 awg and smaller wire



Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
670E	043127077326	Boxed	4.25	108	.024	0.6	.413	10	.118	3	1

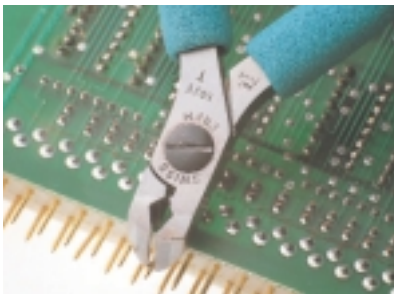
573E Tip Cutter

- Transverse end cutter for vertical cutting applications
- Full flush cut
- For soft 24 awg and smaller wires



Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
573E	043127076831	Boxed	4.5	114	.024	0.6	.906	23	.138	3.5	1

Carbide Cutters



503ET, 503ETF Carbide Cutters



- Oblique angle cutting head
- **503ET** has semi-flush Carbide blades
- **503ETF** has full flush Carbide blades
- 30° angled head
- For 18 awg and smaller wires

Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Dimension "B" Inch	Dimension "B" mm	Dimension "C" Inch	Dimension "C" mm	Dimension "D" Inch	Dimension "D" mm	Shelf Pack
503ET	043127097126	Boxed	4.25	108	.047	1.2	.472	12	.256	6.5	.394	10	.394	10	1
503ETF	043127075469	Boxed	4.25	108	.047	1.2	.472	12	.256	6.5	.394	10	.394	10	1

503ETST, E503ETST Carbide Cutters



- 503ETST Super full flush with special carbide jaws
- E503ETST Special carbide super full flush - cuts MP35M stainless .004" (0.1mm) to .020" (0.5mm) with Ergonomic handles

Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
503ETST	043127	Boxed	4.25	108	.630	16	.256	6.5	1
***E503ETST**	043127127519	Boxed	4.25	108	.630	16	.256	6.5	1

* Ergonomic version

576TX Carbide Cutter

- Special tapered relieved head for cutting inside .004" ID MP35M stainless wire
- Super full flush cut
- For medical electronic applications



Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "D" Inch	Dimension "D" mm	Shelf Pack
576TX	043127127069	Boxed	4.25	108	.433	11	N/A	N/A	1

595T and 595TF Carbide Cutters

- Full Tapered head with tungsten carbide blades
- For hard wire up to .020"
- **595T** is semi-flush cut
- **595TF** is full flush cut



Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "D" Inch	Dimension "D" mm	Shelf Pack
595T	043127077050	Boxed	4.25	108	.453	11.5	.039	1	1
595TF	043127077067	Boxed	4.25	108	.453	11.5	.039	1	1

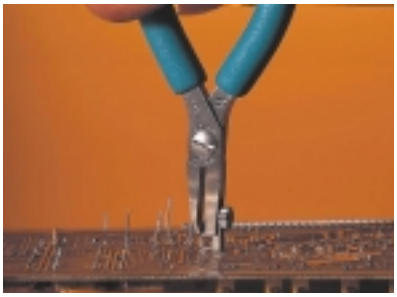
599T Carbide Cutter

- Round head with tungsten carbide blades
- Semi-flush cut
- For medium and soft wires 22 awg and smaller



Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Shelf Pack
599T	043127077142	Boxed	4.25	108	.453	12	1

PCB Cutters



530E PCB Cutter



- Transverse cutting action
- Cuts component leads without transmitting shock
- Standard cut off @ .040" other lengths available upon request

Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Dimension "D" Inch	Dimension "D" mm	Dimension "F" Inch	Dimension "F" mm	Shelf Pack
530E	043127076343	Boxed	4.75	121	.047	1.2	.787	20	.118	3	.079	2	.059	1.5	1

549E PCB Cutter



- Oblique shear cutter cuts leads at uniform specific lengths
- 45° angle head

Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Dimension "D" Inch	Dimension "D" mm	Dimension "F" Inch	Dimension "F" mm	Shelf Pack
549E	043127076626	Boxed	4.5	114	.047	1.2	.787	20	.177	4.5	.118	3	.059	1.5	1

530E15 PCB Cutter

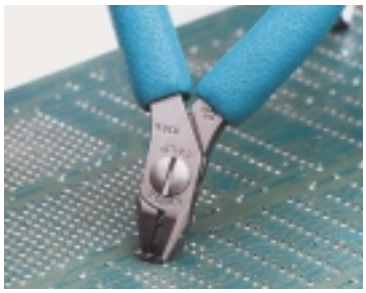
- Anti-shock shear cutter with adjustable cutting length from .047" (1.2mm) to .236" (6mm)



Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Dimension "D" Inch	Dimension "D" mm	Shelf Pack
530E15	043127076374	Boxed	4.75	121	.787	20	.118	3	.059	1.5	1

530S PCB Cutter

- Angled anti-shock cutter
- Flatten leads while cutting to prevent the component from falling out



Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Dimension "F" Inch	Dimension "F" mm	Shelf Pack
530S	043127076411	Boxed	4.5	114	.047	1.2	.394	10	.157	4	.059	1.5	1

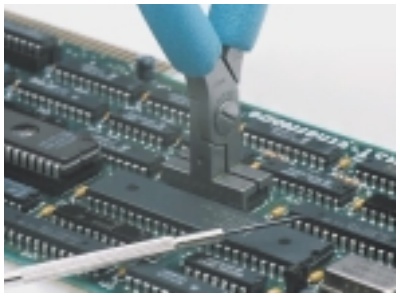
500108 PCB Cutter

- Cut and bend to 45° angle without shock to components



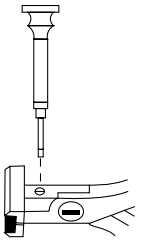
Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Shelf Pack
500108	043127075162	Boxed	4.75	121	.030	0.8	1

Insertion and Extraction Tools



EXTRACTION:
- Firmly squeeze IC before removing from socket

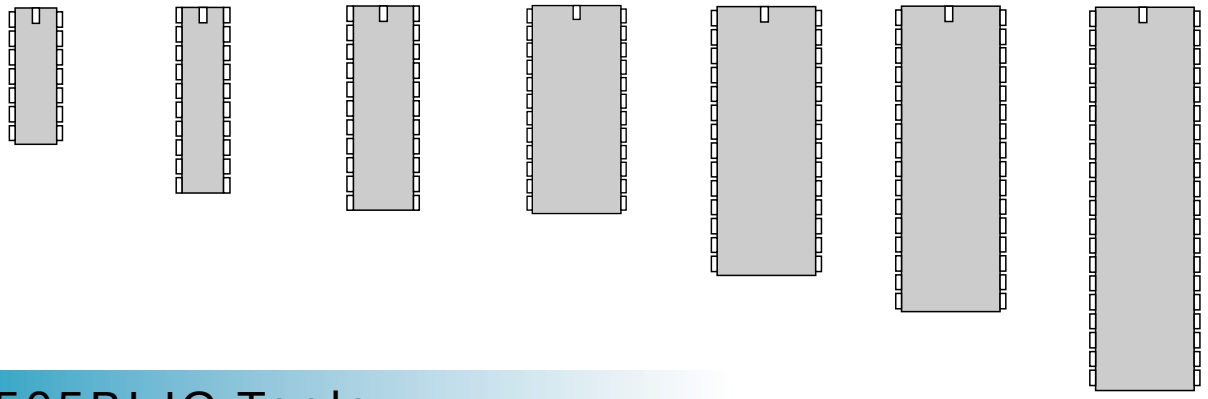
INSERTION:
- Slightly squeeze IC pins to fit standard hole pattern
- Use screwdriver for fine adjustment



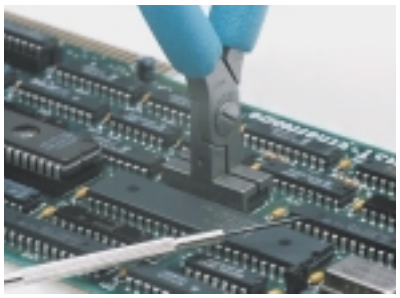


Insertion and Extraction Tools Reference Chart

Catalog No.	505C	505J	505	505A	505BG	505BI	505B
Pins	14 - 16	18 - 20	22	24	28	32	40
Width	.300	.300	.400	.600	.600	.600	.600



505 - 505BI IC Tools



EXTRACTION:
- Firmly squeeze IC before removing from socket

INSERTION:
- Slightly squeeze IC pins to fit standard hole pattern
- Use screwdriver for fine adjustment

Cat No.	UPC No.	Packed	Length Inch	Length mm	No. of Pins	Width	Shelf Pack
505	043127075506	Boxed	6.5	165	22	.400	1
505A	043127075520	Boxed	6.5	165	24	.600	1
505B	043127075544	Boxed	6.5	165	40	.600	1
505C	043127075612	Boxed	5.25	133	14 - 16	.300	1
505J	043127075674	Boxed	5.25	133	18 - 20	.300	1
505BG	043127075575	Boxed	6.5	165	28	.600	1
505BI	043127142666	Boxed	6	152	32	.600	1

508Z Insertion and Extraction Tool

- For straightening multiple DIL/IC leads
- Can straighten leads before insertion or after soldering, laterally and/or parallel
- An ideal maintenance plier
- Up to 8 pins



Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "D" Inch	Dimension "D" mm	Dimension "E" Inch	Dimension "E" mm	Shelf Pack
508Z	037103182548	Boxed	5.25	133	.925	23	.039	1	.787	20	1

808G Insertion and Extraction Tool

- For straightening multiple DIL/IC leads
- Can straighten leads before insertion or after soldering, laterally and/or parallel
- An ideal maintenance plier
- Up to 32 pins



Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "D" Inch	Dimension "D" mm	Dimension "E" Inch	Dimension "E" mm	Shelf Pack
808G	043127097133	Boxed	5	127	1.417	36	.039	1	1.687	42	1

509E Insertion and Extraction Tool

- Shear action cutter for IC's
- Full flush cut
- Trims 8 IC pins together at same length



Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Dimension "D" Inch	Dimension "D" mm	Dimension "F" Inch	Dimension "F" mm	Shelf Pack
509E	043127076053	Boxed	4.75	121	.827	21	.846	21.5	.138	3.5	.059	1.5	1

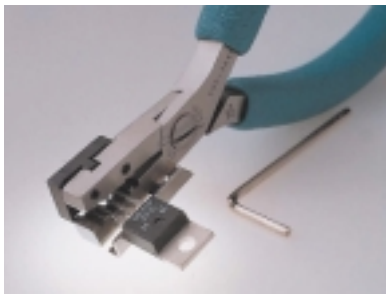
593AE Insertion and Extraction Tool



- Reverse angle head designed to cut IC leads
- Full flush cut
- For standard DIP leads and SMT packages to 25mil pitch

Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
593AE	043127077029	Boxed	4.75	121	.787	20	.157	4	1

Forming Tools



500210E Forming Pliers



- Bends to 126, 218, 220 power transistor leads to a 90° angle
- Bend length is adjustable
- Bends flat parts, contacts, power transistors to a right angle from 3mm to 12mm
- Replaceable cutting blade

Cat No.	UPC No.	Packed	Length Inch	Length Inch	Dimension "L" Inch	Dimension "L" mm	Dimension "B" Inch	Dimension "B" mm	Shelf Pack
500210E	043127122972	Boxed	4.75	121	.118 - .394	3 - 10	Max .433	Max 11	1

500104A Forming Pliers

- Adjustable forming tool
- Bends to 126, 218, 220 power transistor leads to a 90° angle in two rows



Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "L" Inch	Dimension "L" mm	Dimension "I" Inch	Dimension "I" mm	Shelf Pack
500104A	043127075100	Boxed	4.75	121	.138 - .591	3.5 - 2.54	.100	2.54	1

500154A Forming Pliers

- Adjustable forming tool
- Bends to 126, 218, 220 power transistor leads to a 90° angle in two rows
- For 5 leads



Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "L" Inch	Dimension "L" mm	Dimension "I" Inch	Dimension "I" mm	Shelf Pack
500154A	043127094972	Boxed	4.75	121	.177 - .375	4.5 - 9.5	.100	2.54	1
500154AI	043127096235	Boxed	5	127	-	-	-	-	1

554 Forming Pliers

- Bends component leads to a u-shape
- 4mm in diameter



Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "D" Inch	Dimension "D" mm	Dimension "E" Inch	Dimension "E" mm	Shelf Pack
554	043127076633	Boxed	4.75	121	.512	13	.394	10	.394	10	1

554A Forming Pliers



- Same as #554, but forming operation is transverse
- Bends component leads to a u-shape
- 4mm in diameter

Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "D" Inch	Dimension "D" mm	Dimension "E" Inch	Dimension "E" mm	Shelf Pack
554A	043127076657	Boxed	4.75	121	.906	23	.220	5.6	.157	4	1

554TX Forming Pliers



- Forms parallel leads of radial components in opposite directions in one operation

Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "D" Inch	Dimension "D" mm	Dimension "E" Inch	Dimension "E" mm	Shelf Pack
554TX	043127076749	Boxed	4.75	121	.787	20	.256	6.5	.256	6.5	1

50788 Forming Pliers



- Cuts and bends leads of radial components to a specified length

Cat No.	UPC No.	Packed	Length Inch	Length Inch	Dimension "A" Inch	Dimension "A" mm	Dimension "E" Inch	Dimension "E" mm	Shelf Pack
50788	043127075834	Boxed	4.75	121	.905	23	.157	4	1

50789Z Forming Pliers

- Cuts and bends leads of radial components to a specified length



Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "D" Inch	Dimension "D" mm	Dimension "E" Inch	Dimension "E" mm	Shelf Pack
50789Z	043127075841	Boxed	4.75	121	.905	23	.130	3.3	.138	3.5	1

SMD Tools



670EP SMD Tool

- Ultra Fine Tapered relieved head
- Full flush cut
- Designed for cutting SMD components only down to .25mm



Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Shelf Pack
670EP	043127077333	Boxed	4.25	108	.394	10	1

80013C SMD Tool



- High precision preforming tool for flat packs, Quads
- No friction effect
- Designed after MIL specs.

Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Dimension "E" Inch	Dimension "E" mm	Shelf Pack
80013C	043127077654	Boxed	4.75	121	.670	17	.512	13	.512	13	1

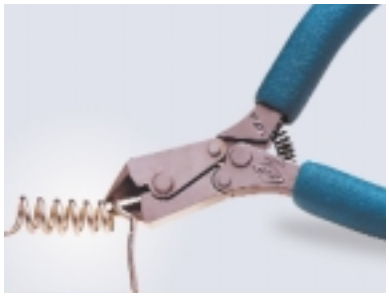
3900KC SMD Tool Kit



- Anti-static kit contains:
  - 150SAMF conductive tweezer for cylindrical components
  - 150SAMB conductive tweezer for applying SMD components
  - 51SA conductive tweezer with very fine tips
  - 102ACA conductive tweezer for SMD handling
  - 103ACA conductive tweezer for SMD handling
  - 670EP + CP conductive microcutter for SMD IC pins

Cat No.	UPC No.	Packed	Box Size Inch	Box Size mm	Weight lbs	Weight g	Shelf Pack
3900KC	043127078866	Boxed	5.125 x 9 x 1.187	130 x 230 x 30	.75	350	1

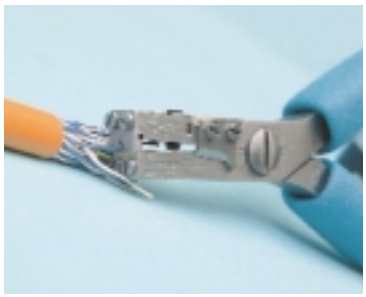
147A, 147B, 147J Compound Cutters



- High Leveraged tapered head with 3.5-1 mechanical advantage
- Semi-flush cut
- For tempered stainless, molybdenum, tantalum wire 22 awg or smaller

Cat No.	UPC No.	Packed	Length Inch	Length mm	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Dimension "D" Inch	Dimension "D" mm	Dimension "F" Inch	Dimension "F" mm	Shelf Pack
147A	043127074660	Boxed	5.2	130	.079	2	.455	11.5	.315	8	.413	10.5	.078	2	1
147B	043127074691	Boxed	5.2	130	.079	2	.492	12.5	.315	8	.235	6	.215	5.5	1
147J	043127074721	Boxed	5.2	130	.079	2	.472	12	.315	8	.157	4	.098	2.5	1

Strippers



502E30 Stripper

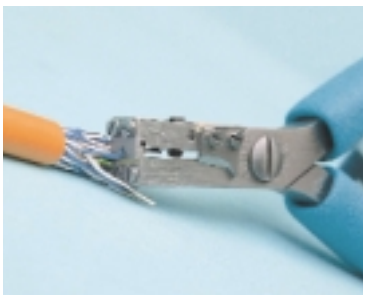
- Precision side stripper with replaceable cutting blades
- Will strip resistant insulation, such as Teflon, Tefzel and Fiber Optics



Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Dimension "D" Inch	Dimension "D" mm	Shelf Pack
502E30	043127075377	Boxed	4.75	121	.866	22	.197	5	.094	2.4	1

552S Stripper

- Unique precision stripper
- Adjustable from 30-40 awg insulation including Teflon, Tefzel and Fiber Optics



Cat No.	UPC No.	Packed	Length Inch	Length mm	Shelf Pack
552S	043127136610	Boxed	4.75	121	1

510AE Stripper



- Fine adjustable stripper with side cutting blade
- Stripper adjustable from 18 to 30 AWG
- Side cutting blade is replaceable

Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Dimension "D" Inch	Dimension "D" mm	Shelf Pack
510AE	043127076121	Boxed	4.75	121	.807	20.5	.256	6.5	.138	3.5	1

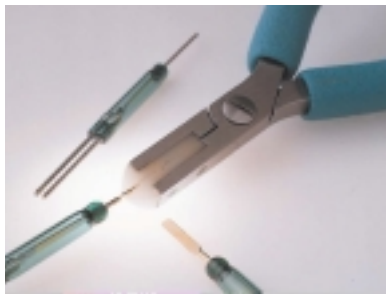
520E Stripper



- Simultaneously cuts and strips several wires to a predetermined length
- Designed for wire wrapping work
- Adjustable stripping lengths from 3/4" to 1-3/8"
- Adjustable stripping diameter from 16 to 30 AWG

Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
520E	043127076299	Boxed	4.75	121	.374	9.4	.689	17.5	1

Pliers



542 Pliers

- Flat nose plier
- Beveled, smooth jaws



Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "D" Inch	Dimension "D" mm	Dimension "E" Inch	Dimension "E" mm	Shelf Pack
542	043127076480	Boxed	4.75	121	.906	23	.059	1	.094	2.4	1

543 Pliers

- Round nose plier
- Smooth jaws



Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "D" Inch	Dimension "D" mm	Dimension "E" Inch	Dimension "E" mm	Shelf Pack
543	043127076497	Boxed	4.75	121	.906	23	.063	1.6	.031	0.8	1

544, 544D Pliers

- Chain nose plier
- Smooth radius jaws
- **544D** has serrated jaws



Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "D" Inch	Dimension "D" mm	Dimension "E" Inch	Dimension "E" mm	Shelf Pack
544	043127076510	Boxed	4.75	121	.906	23	.079	2	.039	1	1
544D	043127076534	Boxed	4.75	121	.906	23	.079	2	.059	1.5	1

547, 547D Pliers



- Needle nose plier
- Smooth jaws
- **547D** has serrated jaws

Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "D" Inch	Dimension "D" mm	Dimension "E" Inch	Dimension "E" mm	Shelf Pack
547	043127079399	Boxed	4.75	121	.906	23	.047	1.2	.035	.9	1
547D	043127	Boxed	4.75	121	.906	23	.047	1.2	.035	.9	1

546 Pliers



- Chain nose plier
- 60° angle tip
- Smooth jaws

Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "D" Inch	Dimension "D" mm	Dimension "E" Inch	Dimension "E" mm	Shelf Pack
546	043127076565	Boxed	4.75	121	1.059	25.5	.154	4	.039	1	1

531 Pliers



- Nylon jaw plier
- Perfect for straightening precious metal and component leads
- Replaceable inserts 5311

Cat No.	UPC No.	Packed	Length Inch	Length mm	Shelf Pack
531	043127076428	Boxed	5.00	127	1

2211P, 2211PD Pliers

- Compound curve ergo handle
- Very fine needle nose pliers
- For micro electronics
- **2211P** has smooth jaws
- **2211PD** has serrated jaws



Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "B" Inch	Dimension "B" mm	Dimension "D" Inch	Dimension "D" mm	Dimension "E" Inch	Dimension "E" mm	Shelf Pack
2211P	043127143885	Boxed	6.25	159	1.25	32	.250	6.35	.030	.76	.040	1.02	1
2211PD	043127144363	Boxed	6.25	159	1.25	32	.250	6.35	.030	.76	.040	1.02	1

2242 Pliers

- Compound curve ergo handle
- Flat nose for universal bending
- Smooth jaw

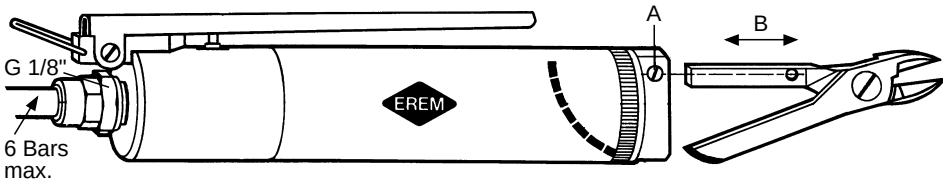


Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "B" Inch	Dimension "B" mm	Dimension "D" Inch	Dimension "D" mm	Dimension "E" Inch	Dimension "E" mm	Shelf Pack
2242	037103155344	Boxed	6.50	165	1.29	33	.420	11	.070	2	.14	3.5	1

1500B Series Pneumatic Cutters



1500B, 1500BSF Series Pneumatic Cutters



- Small precision pneumatic cutter for electronic component leads and parts
- Uses modified Erem Magic cutter heads
- Works on 70 - 85 psi
- Housing supplied with tubing, order cutter heads separately

Cat No.	UPC No.	Packed	Description	Shelf Pack
1500B	043127077906	Boxed	Pneumatic Cutter	1
1500BSF	043127078194	Boxed	Pneumatic Cutter	1

1503E Pneumatic Cutter



- 30° angled head
- Oblique nipper
- Full flush cut

Cat No.	UPC No.	Packed	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
1503E	043127078200	Boxed	.047	1.2	.472	12	.394	10	1

1512E Pneumatic Cutter



- Diagonal cutter head
- Semi-flush cut

Cat No.	UPC No.	Packed	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
1512E	043127078224	Boxed	4.25	108	.453	12	.453	12	1

1530E Pneumatic Cutter



- Transverse anti-shock shear cutter
- Reduces mechanical shock on components
- Cuts the lead to a consistent length (0.40" standard)

Cat No.	UPC No.	Packed	Max. Cutting Dia. Inch	Max. Cutting Dia. mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Dimension "D" Inch	Dimension "D" mm	Dimension "F" Inch	Dimension "F" mm	Shelf Pack
1530E	043127078255	Boxed	.047	1.2	.787	20	.118	3	.079	2	.059	1.5	1

1549E Pneumatic Cutter

- Oblique shear cutter cuts leads at uniform specific lengths
- 45° angle head



Cat No.	UPC No.	Packed	Max. Cutting Dia. Inch	mm	Dimension "A" Inch	mm	Dimension "C" Inch	mm	Dimension "D" Inch	mm	Dimension "F" Inch	mm	Shelf Pack
1549E	043127078262	Boxed	.047	1.2	.787	20	.177	4.5	.118	3	.059	1.5	1

1576E Pneumatic Cutter

- Super-fine relieved tapered head
- Full flush cut



Cat No.	UPC No.	Packed	Max. Cutting Dia. Inch	mm	Dimension "A" Inch	mm	Dimension "D" Inch	mm	Shelf Pack
1576E	043127078286	Boxed	.047	1.2	.354	9	.039	1.0	1

1582E Pneumatic Cutter

- 45° angled head
- Full flush cut



Cat No.	UPC No.	Packed	Max. Cutting Dia. Inch	mm	Dimension "A" Inch	mm	Dimension "C" Inch	mm	Shelf Pack
1582E	043127078293	Boxed	.030	0.8	.736	19	.276	7	1

1595E Pneumatic Cutter

- Diagonal tapered head
- Full flush cut



Cat No.	UPC No.	Packed	Max. Cutting Dia. Inch	mm	Dimension "A" Inch	mm	Dimension "D" Inch	mm	Shelf Pack
1595E	043127078309	Boxed	.047	1.2	.472	12	.059	1.5	1

1599E Pneumatic Cutter

- Diagonal round head
- For medium hard wires
- Full flush cut



Cat No.	UPC No.	Packed	Max. Cutting Dia. Inch	mm	Dimension "A" Inch	mm	Shelf Pack
1599E	043127078323	Boxed	.063	1.6	.453	11.5	1

1973E Pneumatic Cutter



- Special transverse end cutter
- For 1500BSF pneumatic tool

Cat No.	UPC No.	Packed	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
1973E	043127102578	Boxed	1.64	42	.210	5	1

2697EPC Pneumatic Cutter



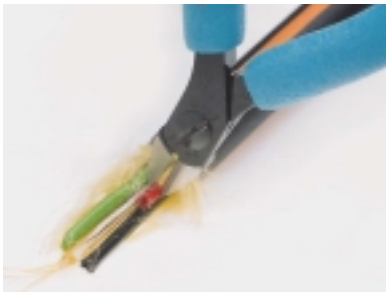
- Diagonal tapered relieved
- For PCB depanneling

Cat No.	UPC No.	Packed	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
2697EPC	043127106712	Boxed	.470	12	.048	1	1

Fiber Optic Tools



512EFO Fiber Optic Cutter

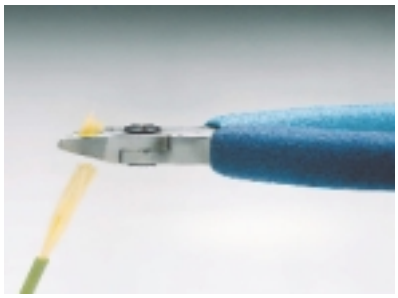


- Oval head designed specifically for fiber optic wire
- Semi-flush cut
- For rubber cable insulation, fibers and kevlar

Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
512EFO	043127146718	Boxed	4.5	114	.453	12	.453	12	1

599FO Fiber Optic Cutter

- For cutting Kevlar silks only



Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Shelf Pack
599FO	043127077135	Boxed	4.5	114	.453	12	.453	12	1

V200FO Fiber Optic Tool Kit

- Special kit designed to meet most fiber optic applications from cutting to stripper insulation
- Kit contains
  - -2ASA round tip tweezers
  - -32BSA gripping tweezers
  - -249SA gripping tweezers
  - -510E stripper
  - -552S adjustable stripper
  - -599FO Kevlar cutter
  - -512EFO universal cutter
  - -646 plier



Cat No.	UPC No.	Packed	Description	Shelf Pack
V200FO	043127142628	Boxed	Fiber Optic Tool Kit	1

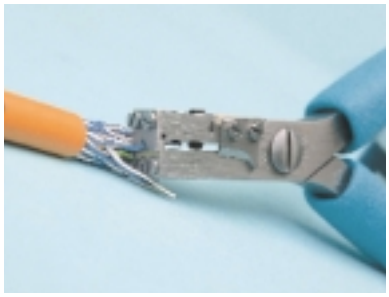
510AE Stripper

- Fine adjustable stripper with side cutting blade
- Stripper adjustable from 18 to 30 AWG
- Side cutting blade is replaceable



Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "C" Inch	Dimension "C" mm	Dimension "D" Inch	Dimension "D" mm	Shelf Pack
510AE	043127076121	Boxed	4.75	121	.807	20.5	.256	6.5	.138	3.5	1

552S Stripper



- Unique precision stripper
- Adjustable from 30-40 awg insulation including Teflon, Tefzel and Fiber Optics

Cat No.	UPC No.	Packed	Length Inch	Length mm	Shelf Pack
552S	043127136610	Boxed	4.75	121	1

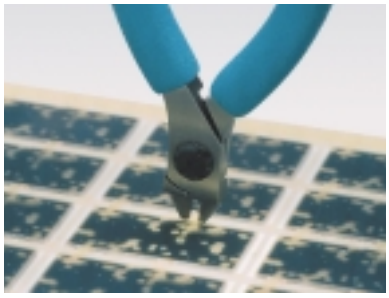
2ASARU High Precision Swiss Tweezers



- Stainless steel
- Anti-magnetic
- Flat, round tips
- For handling adhesive labels. Special coating prevents labels from sticking

Cat No.	UPC No.	Packed	Length Inch	Length mm	Shelf Pack
2ASARU	037103161970	Sleeve	4.75	121	1

884EPC Tip Cutter



- Special Tapered Relieved Cutter for separating PCB's
- Full flush cut

Cat No.	UPC No.	Packed	Length Inch	Length mm	Dimension "A" Inch	Dimension "A" mm	Dimension "D" Inch	Dimension "D" mm	Shelf Pack
Δ **884EPC**	043127089374	Boxed	4.5	114	.472	12	.098	2	1

Δ Made to order, contact customer service for delivery.