

# Pliers

## GET AN ACCURATE AND SURE GRIP ON EVERYTHING

### Internal patented Erem Magic Spring

The Magic Spring system used in Erem precision tools is unique. It is integral to the cutting head and provides a constant closing and re-opening force. It is highly reliable, makes the tools easy to use and reduces operator fatigue.

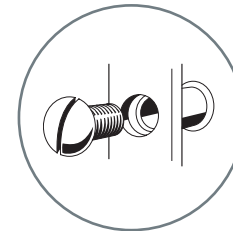
- Reduce costs thanks to long life
- Constant spring force
- Guarantees more than 1 million operations



### High-precision screw joint

This self-locking screw joint system gives a smooth cutting and opening action and ensures that there is no blade overlap or play.

- Smooth jaw action with no play
- No damaging of sensitive components



### Precision-ground jaws

The very precisely worked tips get a firm and sure grip on even the thinnest of parts.

The choice of high-quality materials and meticulous tempering are especially important during the manufacturing of these tweezers.

- Ground with the greatest precision

### Special tool steel

Erem electronics tools are made from bright steel. They are not drop forged. The special tool steel is made using a unique Swiss processing technique.

- The bright tool steel gives additional strength and toughness to the tools to promote a long service life.





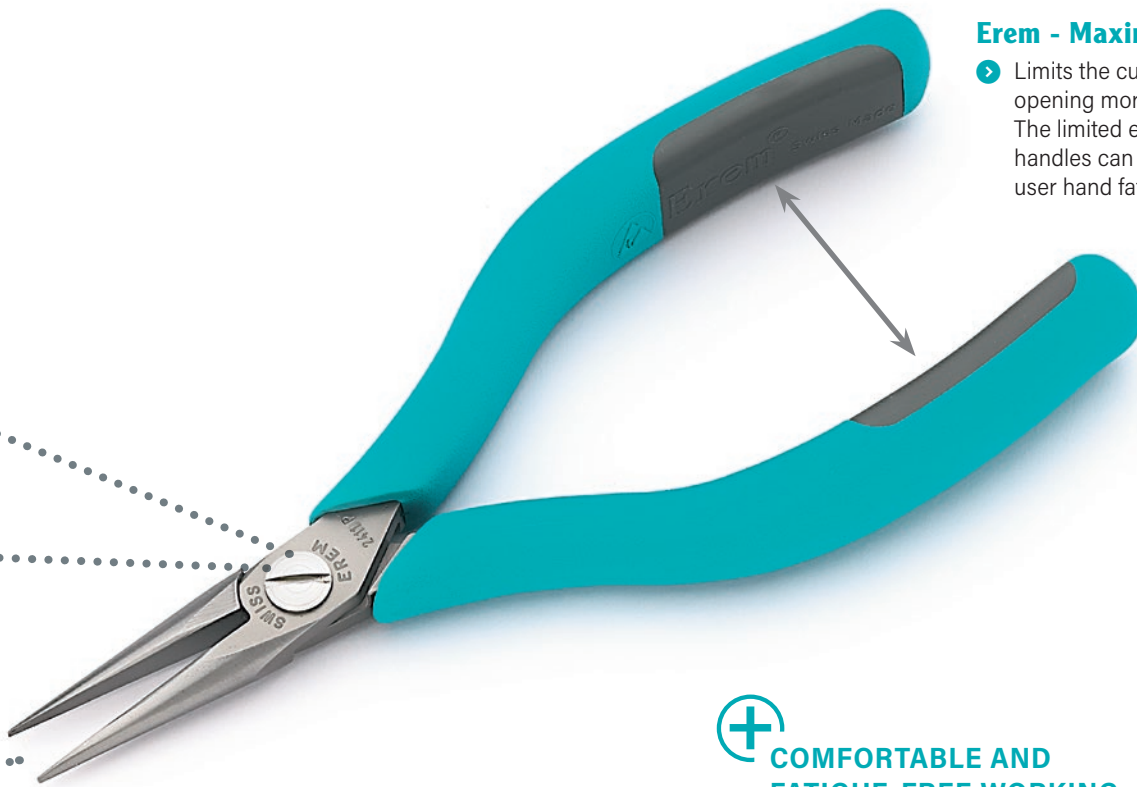
**+** WIDE VARIETY OF HEAD SHAPES

**Ergonomically shaped handles**

- For high comfort, better grip and added safety

**Erem - Maximum Opening Stop**

- Limits the cutting-edge tips from opening more than 5 mm/.197 Inch. The limited extent to which the handles can open prevents user hand fatigue.



**+** COMFORTABLE AND FATIGUE-FREE WORKING.

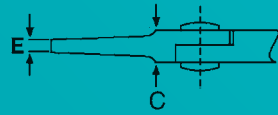
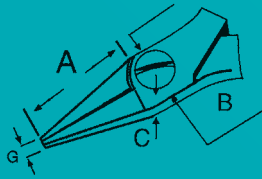


**ESD-safe**

The interchangeable foam-cushion handles are ESD-safe and are fitted as standard on all Erem cutters and pliers.



# Series 500 Medium



A = Jaw length  
 B = Head width  
 C = head thickness  
 E = Width of tips  
 G = Total height of both tips

## Round nose pliers

Round nose pliers with very precise, smooth jaws.



4.724 Inch / 120 mm

2.89 / 62 g

- Pliers for miniature and standard electronics
- Non-reflecting surface, ESD-safe
- Suitable for forming, bending, laying and feeding in wires.
- High grade tool steel

Model	Shape	A		B		C		E		G	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
543E		0.91	23	0.43	11	0.24	6	0.031	Ø 0,8	0.063	1.6
546E				0.43	11	0.236	6.0	-		0.039	1.0

## Needle nose pliers

Needle nose pliers with very precise, smooth and rounded jaws.



4.724 Inch / 120 mm

2.19 / 62 g

- Pliers for miniature and standard electronics
- Non-reflecting surface, ESD-safe, high grade tool steel
- Suitable for forming, bending, laying and feeding in wires.

Model	Shape	A		B		C		E		G	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
547		0.91	23	0.43	11	0.24	6	0.035	0.9	0.047	1.2



## Flat nose pliers


Flat nose pliers with smooth jaws and precision-machined edges.



 4.724 Inch / 120 mm

 2.36 / 67 g

- Pliers for miniature and standard electronics
- Non-reflecting surface, ESD-safe, high grade tool steel
- Suitable for gripping flat workpieces.

Model	Shape	A		B		C		E		G	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
542E		0.91	23	0.43	11	0.24	6	0.055	1.4	0.055	1.4


Flat nose pliers with replaceable nylon jaws.



 4.921 Inch / 125 mm

 2.36 / 67 g

- Pliers for miniature and standard electronics
- Non-reflecting surface, ESD-safe, high grade tool steel
- Nylon jaws prevent nicking and scratching.
- Suitable for forming precious metals and component connections.

Model	Shape	A		B		C		E		G	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
531E		0.91	23	0.43	11	0.24	6	0.2	5	0.12	3



# Chain nose pliers

Chain nose pliers with narrow half-round jaws.



4.724 Inch / 120 mm

2.36 / 67 g

- Pliers for miniature and standard electronics
- Non-reflecting surface, ESD-safe, high grade tool steel
- For securely handling components.

Model	Shape	A		B		C		E		G	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
544E		0.91	23	0.43	11	0.24	6	0.039	1	0.055	1.4

Chain nose pliers with inside-serrated jaws for secure handling



4.724 Inch / 120 mm

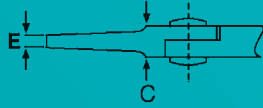
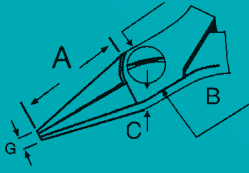
2.64 / 67 g

- Pliers for miniature and standard electronics
- Non-reflecting surface, ESD-safe, high grade tool steel

Model	Shape	A		B		C		E		G	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
544D		0.91	23	0.35	9	0.26	6.5	0.039	1	0.055	1.4



# Series 2400 MagicSense



- A = Jaw length
- B = Head width
- C = head thickness
- E = Width of tips
- G = Total height of both tips

## Needle nose pliers

Needle nose pliers with very precise, smooth and rounded jaws.



5.748 Inch / 146 mm

2.54 / 72 g

- Pliers for miniature and standard electronics
- Optimized ergonomically shaped handles for increased comfort
- Non-reflecting surface, ESD-safe

Model	Shape	A		B		C		E		G		
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	
2411P		1.32	33.5	0.43	11	0.24	6	0.039	1	0.047	1.2	Smooth jaws
2411PD		1.32	33.5	0.43	11	0.24	6	0.039	1	0.047	1.2	Inside serrated jaws for better grip



# Flat nose pliers

Flat nose pliers with smooth jaws and precision-machined edges.



5.748 Inch / 146 mm

2.54 / 72 g

- Pliers for miniature and standard electronics
- Optimized ergonomically shaped handles for increased comfort
- Non-reflecting surface, ESD-safe
- Suitable for gripping flat workpieces.

Model	Shape	A		B		C		E		G	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
2442P		1.32	33.5	0.43	11	0.24	6	0.13	3.4	0.047	1.2

# Round nose pliers

Round nose pliers with very precise, smooth jaws



5.748 Inch / 146 mm

2.54 / 72 g

- Pliers for miniature and standard electronics
- Optimized ergonomically shaped handles for increased comfort
- Non-reflecting surface, ESD-safe
- Suitable for bending wires.

Model	Shape	A		B		C		E		G	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
2443P		1.319	33.5	0.43	11	0.24	6	0.031	0.8	0.063	1.6



# Stripping pliers

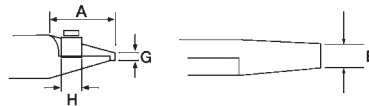
## High precision stripping pliers

Pliers for front stripping 0.25 mm - 1.02 mm .010 Inch - .040 Inch (AWG 30 - 18)



 4.724 Inch / 120 mm

 2.65 / 75 g



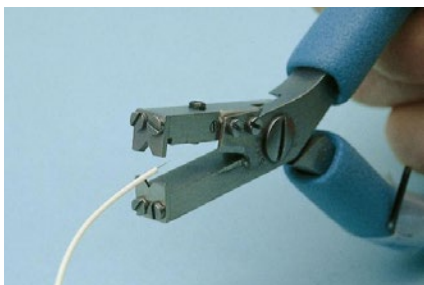
A = jaw length  
E = Width of tips  
G = Total height of both tips  
H = Length of cutting blade

- Robust, high-precision tools for use in electronics and aeronautical engineering
- The required diameter is set by means of screws
- ESD-safe
- Suitable for all types of insulation and optical fibres.
- Interchangeable side cutting blade.



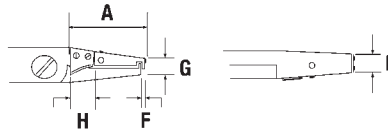
Model	A		E		G		H		Wire diameter	
	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
510AE	0.83	21	0.20	5	0.16	4	0.35	9	0,010 - 0,040	0,25 - 1,02

Pliers for front stripping 0.06 mm - 0.6 mm .002 Inch - .023 Inch (AWG 42 - 24)



 4.724 Inch / 120 mm

 2.82 / 80 g



A = Jaw length  
E = Width of tips  
F = Depth of interchangeable blade  
G = Total height of both tips  
H = Length of cutting blade

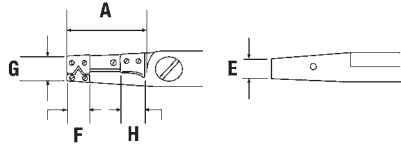
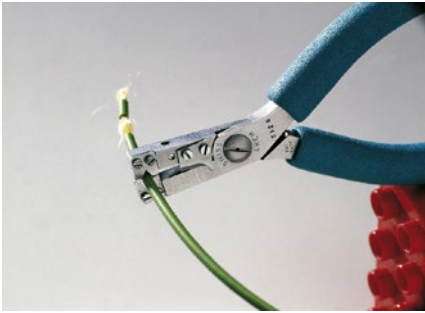
- Robust, high-precision tools for use in electronics and aeronautical engineering
- The required diameter is set by means of screws
- Screwdriver and key are included
- Interchangeable blades
- ESD-safe
- Unique precision for damage-free stripping of fine wires.
- Suitable for all types of insulation, Teflon®, Tefzel and optical fibres.



Model	A		E		F		G		H		Wire diameter	
	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
552E	0.91	23	0.24	6	0.39	1	0.43	11	0.35	9	0,002 - 0,023	0,06 - 0,6



**Side stripping 0.06 mm - 0.6 mm .002 Inch - .023 Inch (AWG 42 - 24)**



A = Jaw length  
 E = Width of tips  
 F = Depth of interchangeable blade  
 G = Total height of both tips  
 H = Length of cutting blade

- Robust, high-precision tools for use in electronics and aeronautical engineering
- The required diameter is set by means of screws
- Screwdriver and key are included
- Interchangeable blades
- ESD-safe
- Unique precision for damage-free stripping of fine wires.
- Suitable for all types of insulation, Teflon®, Tefzel and optical fibres.
- Unlimited stripping length thanks to side stripping
- Suitable for simple and precise stripping of optical fibres
- Non-reflecting surface



 **4.724 Inch / 120 mm**

 **2.82 / 80 g**

Model	A		E		F		G		H		Wire diameter	
	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
<b>552S</b>	0.82	21	0.24	6	0.24	6	0.43	11	0.354	9	0.002 - 0.024	0,06 - 0,6



# Forming pliers

## Forming pliers for passive components

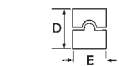
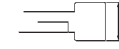
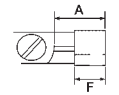
Forming pliers for component connection, U-shape.



4.724 Inch / 120 mm

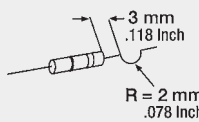
2.47 / 70 g

- Safe bending, forming and preparation of component connections
- Non-reflecting surface
- ESD-safe



A = Jaw length  
D = Height of tips  
E = Width of tips  
F = Length of forming

Model	A		D		E		F		Diodes		Capacitors		Resistors
	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	
554E	0.513	13	0.394	10	0.394	10	0.394	10	0.025	0.65	0.027	0.7	1/2 W



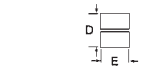
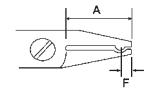
Forming pliers for component connections, U-shape, axial forming.



4.724 Inch / 120 mm

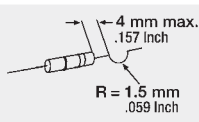
2.47 / 70 g

- Suitable for component connections, U-shape, axial forming
- Narrow head shape.
- ESD-safe



A = Jaw length  
D = Height of tips  
E = Width of tips  
F = Length of forming

Model	A		D		E		F		Diodes		Capacitors		resistors
	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	
554A	0.905	23	0.25	6.4	0.158	4	0.16	4	0.025	0.65	0.027	0.7	1/2 W



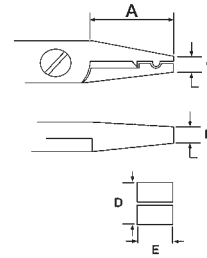
### Forming pliers for cutting and bending components



4.724 Inch / 120 mm

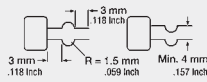
2.47 / 67 g

- Safe bending, forming and preparation of component connections
- Non-reflecting surface
- ESD-safe



A = Jaw length  
D = Height of tips  
E = Width of tips  
F = Length of forming

Model	A		D		E		F		Diodes		Capacitors		resistors
	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	
50788	0.905	23	0.27	6.9	0.17	4.2			0.025	0.65	0.027	0.7	1/2 W



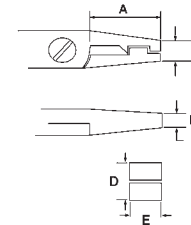
### Forming pliers for cutting and bending



4.724 Inch / 120 mm

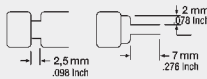
2.36 / 67 g

- Safe bending, forming and preparation of component connections
- Non-reflecting surface
- ESD-safe



A = Jaw length  
D = Height of tips  
E = Width of tips  
F = Length of forming

Model	A		D		E		F		Diodes		Capacitors		resistors
	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	
50789Z	0.905	23	0.130	3.3	0.17	4.2			0.25	0.65	0.027	0.7	1/2 W





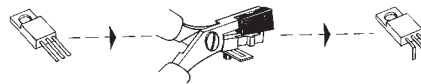
# Forming plier for bending flat components

Forming plier for bending flat components, contacts, power transistors, Triac connections to a right angle.



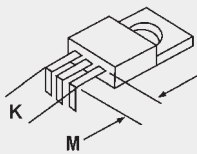
4.724 Inch / 120 mm

3.00 / 85 g



- Safe bending, forming and preparation of component connections, specially for integrated components and power transistors
- Non-reflecting surface
- ESD-safe

Model	K max.		M	
	Inch	mm	Inch	mm
500103A	0.590	15	0.12 - 0.47	3 - 12



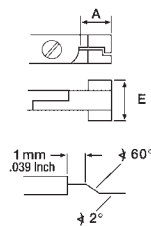
# High precision forming pliers for Flat Packs, Quads

Forming plier for bending flat components, contacts, power transistors, Triac connections to a right angle.



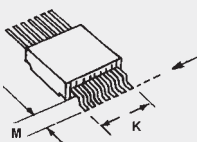
4.724 Inch / 120 mm

3.53 / 100 g



- Safe bending, forming and preparation of component connections, specially for integrated components and power transistors
- Non-reflecting surface
- ESD-safe

Model	K max.		M		A	
	Inch	mm	Inch	mm	Inch	mm
80013C	0.512	13	0.110	2.8	0.669	17





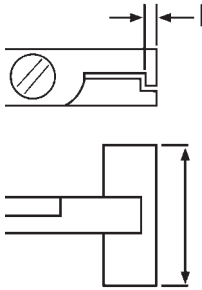
# High precision forming pliers for DIL pins

Forming plier for cutting and bending DIL pins through 90° in one operation.



4.724 Inch / 120 mm

3.46 / 98 g



- Safe bending, forming and preparation of component connections, specially for integrated components and power transistors
- Non-reflecting surface
- ESD-safe
- Up to max. 20 DIL pins.

Model	E		F	
	Inch	mm	Inch	mm
809IC		0.984	0.035	0.9