

Precision Tools
FOR MEDICAL DEVICE

Weller
Erem



Precision Tools for Medical Device Manufacturing



**Swiss
Made**

weller-tools.com

FEEL THE DIFFERENCE

THE PROVEN CHOICE. EVERY TIME.

Manufactured with uncompromising Swiss quality, and **created especially for healthcare**, Weller Erem® tools are built to last. The signature high-performance cutters set the industry standard by providing over 1 million consistent precise and accurate movements.

With state-of-the-art advanced features like Magic Spring™, High-Precision Screw Joint, and Maximum Opening Stop Technology, Weller Erem Precision Tools provide the longest durability, highest precision and best quality on the planet.



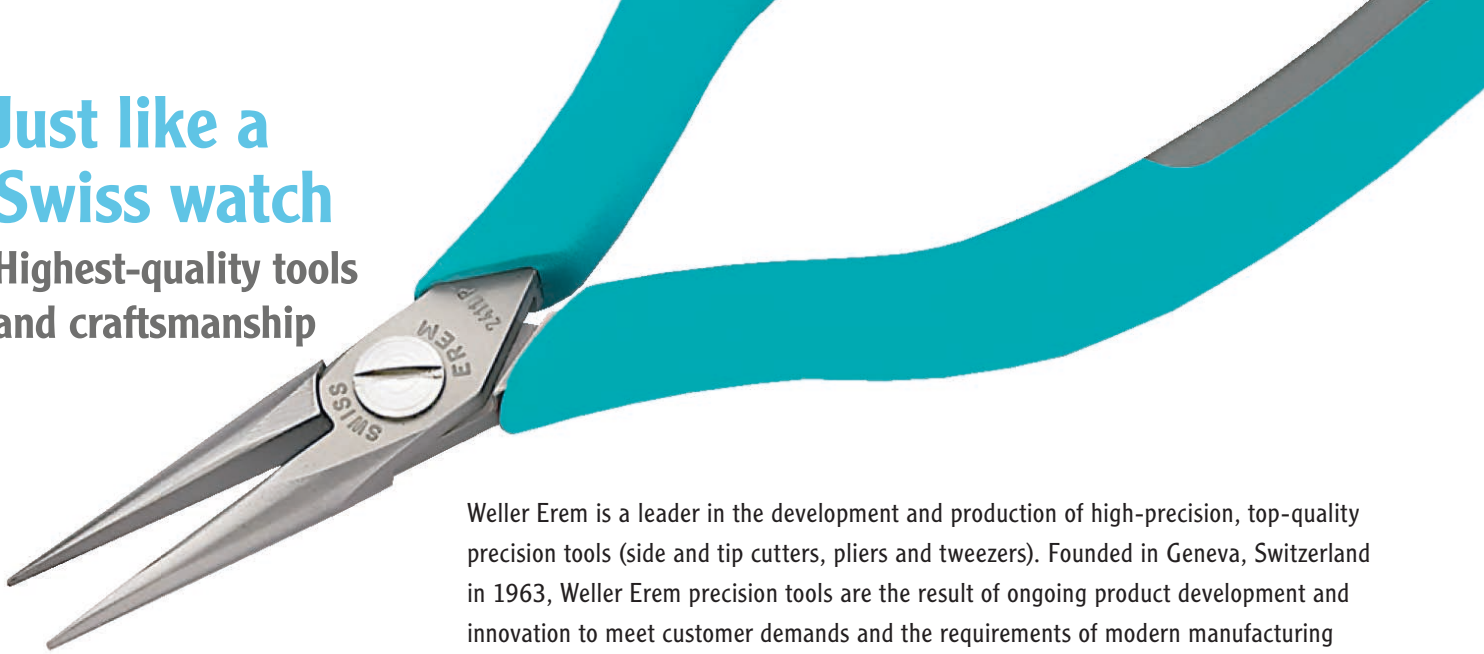
Swiss
Made

Weller Erem products are made and manufactured with uncompromising Swiss quality, created to be strong, durable, sharp and precise



Just like a Swiss watch

Highest-quality tools
and craftsmanship



Weller Erem is a leader in the development and production of high-precision, top-quality precision tools (side and tip cutters, pliers and tweezers). Founded in Geneva, Switzerland in 1963, Weller Erem precision tools are the result of ongoing product development and innovation to meet customer demands and the requirements of modern manufacturing techniques.

Custom-made

Have a problem? We have the solution with our ability to quickly manufacture the custom tool you need.

With an estimated 2-week turnaround time, Weller Erem will customize any of our precision tools to meet your applications needs.



Tungsten-carbide cutters for the preparation of cardio-vascular stents

It is important in stent manufacture that the cut end of any wire in the lattice is as flat as possible, otherwise it will require necessary rework to the stents. Weller Erem side cutters have fine polished carbide cutting blades to accurately cut the lattice and reduce the need for rework.



THE PERFECT CUT

Strong, sharp and precise - every time

Cutter Medical Applications: Braided Mesh | Microsurgery | Surgical Accessories | Single/Multiple Pliers

+ Precision

Experience precise cuts from the high-precision screw joint that enables a smooth action with no jaw overlap

+ Hardening Grade

Cutting blades are hardened to Rockwell 63-65 HRC by an induction heating process for exceptionally long service life

+ 1 Million Movements

Magic Spring™ design enables maximum durability with constant spring force movements

+ Comfort, Security and Grip

Ergonomically-shaped handles provide superior comfort and fatigue-free handling with our Maximum Opening Stop Technology



ESD Safe

Made from ESD-safe material to prevent damage to sensitive components



Swiss Made

Cut shape

Three blade options, including Weller Erem's exclusive Super Full Flush cut.



Semi-flush

- Leaves a pyramidal tip at the end of the wire
- For standard jobs where the final shape does not play a significant role
- For both soft copper wires and very hard wires, such as stainless steel



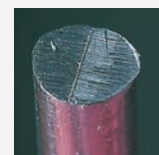
Flush

- Leaves a much smaller tip at the end of the wire when compared to a Semi-Flush cut – without reducing the cutting ability
- The cutting edges are finer than on semi-flush cutters
- Effort exerted when cutting is less and the load on the component is reduced
- Flush wire ends reduce the effort needed to fit components on printed-circuit boards



Super Full Flush

- Provides absolutely flush wire ends, only offered from Weller Erem
- No rework is needed
- Cuts are absolutely precision-ground and sharpened
- Effort exerted when cutting is minimal, as is the load on the component caused by the cut
- Soldering tags in soldering-bath procedures are prevented
- Used in applications for medical technology and are suitable for soft wires



Weller Erem

VS



Competitor



THE PERFECT COMBINATION

Precision, design, symmetry and balance

Tweezer Medical Applications: Braided Mesh | Microsurgery | Guide Wires | Surgical Accessories | Single/Multiple Pliers

+ Comfort

Ergonomically-shaped handles provide superior comfort and fatigue-free handling



ESD Safe

Made from ESD-safe material to prevent damage to sensitive components

+ Wide Range

Weller has a wide range of tweezers made from various material and tips, for the right application

+ Precision

Superior symmetrically pointed tips



BUILT TO LAST

Longest lasting durability on the planet

Plier Medical Applications: Braided Mesh | Microsurgery | Guide Wires | Surgical Accessories | Single/Multiple Pliers



Swiss
Made

+ 1 Million Movements

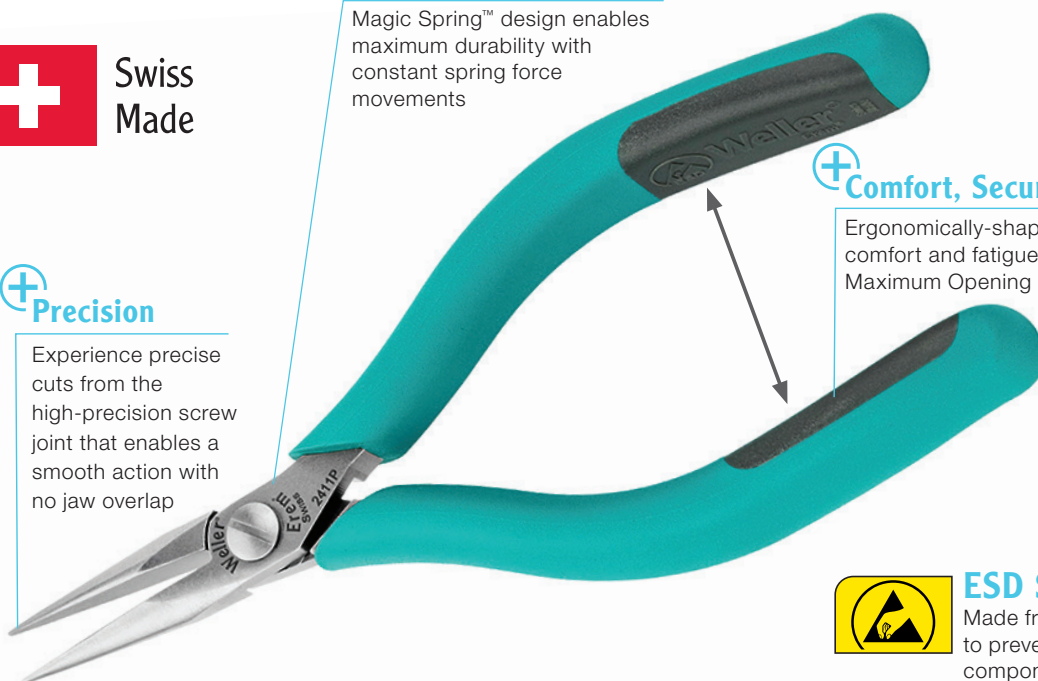
Magic Spring™ design enables maximum durability with constant spring force movements

+ Precision

Experience precise cuts from the high-precision screw joint that enables a smooth action with no jaw overlap

+ Comfort, Security and Grip

Ergonomically-shaped handles provide superior comfort and fatigue-free handling with our Maximum Opening Stop Technology



ESD Safe

Made from ESD-safe material to prevent damage to sensitive components

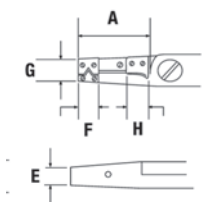
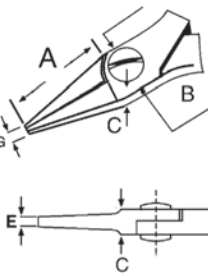
CUTTERS

Model	Cut	Description	Key Applications	Dimensions				Dental/Ortho	Cardio-vascular*	Typical Medical	Tungsten-Carbide Steel
				A (in / mm)	B (in / mm)	C (in / mm)	D (in / mm)				
TOP SELLER 576TX 	 Flush	- Tip cutter - pointed relieved head - The underside is relieved and facilitates optimum access even to extremely hard-to-reach areas. - This is the narrowest head shape	Guide Wires, Stents, Catheters, Single/Multiple Fillers, Lateral/Internal Cuts	0.394	0.433	0.236	0.728		✓		✓
				10	11	6	18.5				
2476TX1 	 Flush	- Side cutter - tapered head - Series 2400 MagicSense model - Jaws have straight edges and taper to a point - This head shape allows access to difficult-to-reach areas but reduces the cutting capacity in comparison to the same size oval head cutter - Hard metal blades - smooth and precise rounded tips	Stainless Steel or Nickel Titanium Wires, Catheters, Coiled Wires	0.394	0.433	0.236	0.728		✓	✓	✓
				10	11	6	18.5				
2422E 	 Flush	- Side cutter - oval head - Useful in all cutting applications where easy access is given - Robust and size for size offers the highest cutting capacity - Ergonomic handles and the special materials ensure a soft feel, operating comfort and safety - Most widely used head shape	Micro electronics	0.472	0.433	0.236	0.748			✓	
				12	11	6	19				
622NB 2622NB 	 Flush	- Side cutter – pointed relieved head - This is the narrowest head shape - The underside is relieved and facilitates optimum access even to extremely hard-to-reach areas		0.236	0.354	0.236	0.630	✓	✓	✓	✓
				6	9	6	16				
622TX 	 Flush	- Side cutter - oval head, Miniature cutter - It is robust and offers the highest cutting capacity - Tungsten-carbide cutters - This is the most widely used head shape - Fits for all cutting applications where easy access is given	Guide Wires, Stents, Catheters, Single/Multiple Fillers, Lateral/Internal Cuts	0.315	0.354	0.236	0.591				✓
				8	9	6	15				
T622N 	 Flush	- Side cutter – oval head - Fits all cutting applications where easy access is given	Guide Wires, Stents, Catheters, Single/Multiple Fillers, Lateral/Internal Cuts	0.354	0.354	0.236	0.590		✓	✓	✓
				9	9	6	15				
632NCF 	 Super Full Flush	- Tip cutter - straight short relieved head - High precision for optical fibres - Suitable for precision cuts of soft materials (e.g. small silicone tubes precision connector seals, miniature rubber seals, soft synthetic parts) - High-precision working on SMD and micro-package contacts	Soft materials only. Perfect for trimming silicone material, miniature rubber seals or soft synthetic parts	0.354	0.354	0.236	0.590		✓	✓	
				9	9	6	15				

CUTTERS

Model	Cut	Description	Key Applications	Dimensions				Dental/Ortho	Cardio-vascular*	Typical Medical	Tungsten-Carbide Steel
				A (in / mm)	B (in / mm)	C (in / mm)	D (in / mm)				
503ETST	 Flush	Tip cutter - angled wide head	Guide Wires, Stents, Catheters, Single/Multiple Fillers, Lateral/Internal Cuts	0.354	0.433	0.236	0.748		✓		✓
				9	11	6	19				
792E	 Super Full Flush	- Side cutter - pointed relieved head - The underside is relieved and facilitates optimum access even in extremely hard-to-reach areas - This is the narrowest head shape	Micro electronics	0.472	0.433	0.236	0.748			✓	
				12	11	6	19				
576TX-1	 Flush	- Side cutter - tapered head - Jaws have straight edges and taper to a point - Head shape allows access to difficult to reach areas but reduces the cutting capacity in comparison to the same size oval head cutter	Guide Wires, Stents, Catheters, Single/Multiple Fillers, Lateral/Internal Cuts	0.433	0.433	0.236	0.011		✓		✓
				11	11	6	19				
595T	 Semi-Flush	- Side cutter - tapered head - The jaws of the cutter have straight edges and taper to a point - This head shape allows access to difficult to reach areas but reduces the cutting capacity in comparison to the same size oval head cutter	Hard Wire - Stainless Steel 303-316, MP35N, Stents	0.472	0.433	0.236	0.748		✓		✓
				12	11	6	19				
599TF	 Flush	- Side cutter - oval head - Fits all cutting applications where easy access is given		0.472	0.433	0.236	0.748		✓		✓
				12	11	6	19				
599TFO	 Semi-Flush	- Side cutter - High precision for optical fibres - Ideal for Kevlar® silks, Vectran™ sheathed wires, optical fibres and small stainless wires	Stainless Steel Coil Wires, Kevlar®, Vectran™ Braided Wires, Fiber Optics	0.472	0.43	0.24	0.748		✓		✓
				12	11	6	19				
E147A	 Semi-Flush	- Side cutter with compound action - For cutting hard wires with minimal effort	Guide Wires, Stents, Catheters, Single/Multiple Fillers, Lateral/Internal Cuts	0.472	0.413	0.284	-	✓	✓	✓	
				12	10.5	7.2	-				

PLIERS

Model	Shape	Description	Key Applications	Dimensions					Dimension Diagram
				A (in / mm)	B (in / mm)	C (in / mm)	E (in / mm)	G (in / mm)	
552S	Wire Stripper	- Suitable for all types of insulation, Teflon®, Tefzel and optical fibres. - Unique precision for damage-free stripping of fine wires - Interchangeable blades - Unlimited stripping length thanks to side stripping - The required diameter is set by means of screws - Non-reflecting surface - Screwdriver and key are included - Robust, high-precision tools for use in electronics and aeronautical engineering	All Types of Insulation, Teflon, Tefzel and optical fibres	0.82	0.24	0.24	0.43	0.354	 A = Jaw length B = Width of tips C = Depth of interchangeable blade E = Total height of both tips G = Length of cutting blade
531E	Tapered	- Flat nose pliers with replaceable nylon jaws - Non-reflecting surface, ESD-safe, high grade tool steel - Nylon jaws prevent nicking and scratching	Forming and handling components - prevents scratching and nicking for miniature and standard electronics	0.91	0.43	0.24	0.2	0.12	
2411PD		- Needle nose pliers with very precise and rounded jaws - Non-reflecting surface, ESD-safe	For miniature and standard electronics	1.32	0.43	0.24	0.039	0.047	 A = Jaw length B = Head width C = head thickness E = Width of tips G = Total height of both tips
2442P		- Flat nose pliers - Pliers for miniature and standard electronics - Optimized ergonomically shaped handles for increased comfort - Non-reflecting surface, ESD-safe - Suitable for gripping flat workpieces - Smooth jaws and precision-machined edges	Every possible wire application to bend	1.319	0.433	0.236	0.139	0.047	
2411P		- Needle nose pliers with very precise, smooth and half-rounded jaws - Pliers for miniature and standard electronics - Optimized ergonomically shaped handles for increased comfort - Non-reflecting surface, ESD-safe	Every possible wire application to bend	1.319	0.433	0.236	0.039	0.047	
				33.5	11	6	1	1.2	

TWEEZERS

Model	Shape	Description	Key Applications	Length (in / mm)	Weight (oz / g)	Dental /Ortho	Various Medical	Material	Head Size
30SA	Curved	- Reverse-action tweezers, curved 50°, with robust pointed tips. - For applications in biology, medicine, and laboratory technology - Bent shape facilitates access to confined spaces - Special stainless steel, nonmagnetic, non-rusting, acid-proof, heat-resistant - Fibreglass handles for protection against heat - Reverse clamping action for comfortably holding parts - Particularly suitable for soldering and assembly jobs	Microelectronics, medicine and laboratory technology, electronic, welding	6.142	1.023	✓		Stainless Steel	Medium
				156	29				
B15AGW	Narrow Oblique Head	- Black cutting tweezers with narrow oblique head - For soft wires up to dia. 0.25 mm/.010 Inch. - Suitable for cutting fine, soft wires and small components - Delivers high-precision cuts - Hardened cutting edges for long service life	Super fine wire application	4.528	0.917	✓		Carbon Steel	Medium
				115	26				

TWEEZERS

Model	Shape	Description	Key Applications	Length (in/mm)	Weight (oz/g)	Dental/Ortho	Various Medical	Material	Head Size
2ASARU		Straight/ Round	- Precision tweezers with flat rounded tips for gripping components - Coated tips for non-stick holding of self-adhesive parts - Titanium stainless steel, nonmagnetic, non-rusting, acid-proof, heat-resistant	For handling sticky adhesive labels and ribbons	4.724	0.53	✓	SS w/Teflon Coated Tips	N/A
					120	16			
5FSA, 5MBS		Straight pointed	- Precision tweezers with extremely pointed tips for use in dissection procedures and working under a microscope - Relieved shape facilitates excellent access to the most confined spaces - Stainless steel, robust tips, non-rusting, non-reflecting surface	For use on soft materials	4.528	0.42	✓	Stainless Steel	
					115	12			
15AGS		Narrow Oblique Head	- Cutting tweezers with narrow oblique head - Hardened cutting edges for long service life - Suitable for cutting fine, soft wires and small components	Designed for cutting fine soft wires up to dia. 0.25 mm/.010 in. and small components	4.528	0.74	✓	Carbon Steel	.216 narrowed to a pt
					115	21			
29Y Series			Non-reflecting surface	Suitable for stripping fine wires with PVC or Teflon® insulation	4.724	0.78	✓	Stainless & Carbon	
					120	22			
7SA		Curved	- Precision tweezers, curved, relieved, with pointed tips - Bent shape facilitates access to confined spaces - Special stainless steel, nonmagnetic, non-rusting, acid-proof, heat-resistant	For applications in biology, medicine, laboratory technology and microelectronics	4.724	0.53	✓	Stainless	Very Fine
					120	15			
5SA		Straight	- Precision tweezers with very pointed tips, suitable for very fine wires - Relieved shape facilitates excellent access to the most confined spaces - Special stainless steel, non-magnetic, non-rusting, acid-proof, heat-resistant - For precision work e.g. under a microscope	Micro electronics	4.528	0.42	✓	Stainless Antiacid	Very Fine
					115	12			
258SA		Straight	- Precision tweezers with pointed synthetic tips (PPS) and serrated finger grips for secure handling - Relieved shape facilitates excellent access to the most confined spaces - Special stainless steel, non-magnetic, non-rusting, acid-proof, heat-resistant - For precision work e.g. under a microscope	Secure handling of components up to 480F and resistant to acid and molten solder - water resistant	4.724	0.53	✓	Stainless Antiacid w/ pointed synthetic tips	Fine Point
					120	15			

TWEEZERS

Model	Shape	Description	Key Applications	L (in/mm)	W (in/mm)	Dental/Ortho	Various Medical	Material	Head Size
249SA		Straight	- Precision tweezers with pointed synthetic tips (PPS) and serrated finger grips for secure handling - Non-reflecting surface - Suitable for delicate standard applications and precision work on small components or wires - Special stainless steel, non-magnetic, non-rusting, acid-proof, heat-resistant	Microelectronics, medicine and laboratory technology. Secure handling of components up to 480F and resistant to acid and molten solder - water resistant	5.118	0.71	✓	Anti-Magnetic	Blunt
					130	20			
M5S		Straight	- Micro-tweezers, very pointed tips, e.g. for precision work under a microscope - Suitable for delicate standard applications and precision work on small components or wires - Stainless steel, robust tips, non-rusting, non-reflecting surface	Microelectronics, medicine and laboratory technology. For precision electronic application work under a microscope	3.150	0.21	✓	Stainless Steel	Very Fine
					80	6			
3CSA		Straight	- Precision tweezers, standard model for delicate work - Suitable for delicate standard applications and precision work on small components or wires - Special stainless steel, non-magnetic, non-rusting, acid-proof, heat-resistant	General purpose use in microelectronics, medical and laboratories	4.331	0.39	✓	Anti-Magnetic	
					110	11			
1SA		Straight	- Suitable for delicate standard applications and precision work on small components or wires - Special stainless steel, non-magnetic, non-rusting, acid-proof, heat-resistant	General purpose use in microelectronics, medical and laboratories	4.724	0.49	✓	Stainless Steel	Fine Point
					120	14			
2ASA		Straight	- Precision tweezers with flat rounded tips for gripping components. - Special stainless steel, nonmagnetic, non-rusting, acid-proof, heat-resistant - Suitable for all standard gripping applications and assembly jobs on printed-circuit boards	General purpose use in microelectronics, medical and laboratories	4.724	0.53	✓	Stainless Steel	Flat Round
					120	15			
3CSA		Straight	- Suitable for delicate standard applications and precision work on small components or wires - Special stainless steel, non-magnetic, non-rusting, acid-proof, heat-resistant	General purpose use in microelectronics, medical and laboratories and delicate work	4.331	0.39	✓	Stainless Steel	Fine Point
					110	11			
3SA		Straight	- Suitable for delicate standard applications and precision work on small components or wires - Special stainless steel, non-magnetic, non-rusting, acid-proof, heat-resistant	General purpose use in microelectronics, medical and laboratories	4.724	0.49	✓	Stainless Steel	Fine Point
					120	14			
5SA		Straight	- Precision tweezers with very pointed tips, suitable for very fine wires - Relieved shape facilitates excellent access to the most confined spaces - Special stainless steel, non-magnetic, non-rusting, acid-proof, heat-resistant - For precision work e.g. under a microscope	For precision application work under a microscope	4.528	0.42	✓	Stainless Steel	Fine Point
					115	12			

TWEEZERS

Model	Shape	Description	Key Applications	Length (in/mm)	Weight (oz/g)	Dental/Ortho	Various Medical	Material	Head Size
5ASA		- Precision tweezers, lightly curved 15°, relieved. Very pointed tips, e.g. for installing small components - Bent shape facilitates access to confined spaces - Special stainless steel, nonmagnetic, non-rusting, acid-proof, heat-resistant	For applications in biology, medicine, laboratory technology and microelectronics	4.528	0.42		✓	Stainless Steel	Fine Point
				115	12				
7SA		- Precision tweezers, curved, relieved, with pointed tips. Excellent handling in confined spaces - Bent shape facilitates access to confined spaces - Special stainless steel, nonmagnetic, non-rusting, acid-proof, heat-resistant	For applications in biology, medicine, laboratory technology and microelectronics	4.724	0.53		✓	Stainless Steel	Fine Point
				120	15				
AASA		- Suitable for delicate standard applications and precision work on small components or wires - Special stainless steel, non-magnetic, non-rusting, acid-proof, heat-resistant	General purpose use in microelectronics, medical and laboratories	4.921	0.56		✓	Stainless Steel	Fine Point
				125	16				
OOSA		- Precision tweezers with pointed tips. Very robust. Suitable for standard applications, e.g. for assembly in electronics - Special stainless steel, non-magnetic, non-rusting, acid-proof, heat-resistant	General purpose use in microelectronics, medical and laboratories Suitable for delicate standard applications and precision work on small components or wires	4.724	0.71		✓	Stainless Steel	Fine Point
				120	20				
OODSA		Model same as OOSA, but with serrated finger grips and inside-serrated tips for secure handling	General purpose use in microelectronics, medical and laboratories Suitable for delicate standard applications and precision work on small components or wires	4.724	0.71		✓	Stainless Steel	Fine Point
				120	20				
15AGW		- Cutting tweezers with narrow oblique head. For soft wires up to dia. 0.25 mm/.010 inch - Delivers high-precision cuts - Hardened cutting edges for long service life	Suitable for cutting fine, soft wires and small components	4.528	0.92		✓	Carbon Steel	Narrow Oblique
				115	26				
4ASA		- Relieved shape facilitates excellent access to the most confined spaces - Special stainless steel, non-magnetic, non-rusting, acid-proof, heat-resistant	For precision application work under a microscope	4.331	0.45		✓	Stainless Steel	Very Fine
				110	13				
258SA		- Precision tweezers with pointed synthetic tips (PPS) and serrated finger grips for secure handling - Relieved shape facilitates excellent access to the most confined spaces - Special stainless steel, non-magnetic, non-rusting, acid-proof, heat-resistant - For precision work e.g. under a microscope	Secure handling of components up to 480F and resistant to acid and molten solder - water resistant	4.724	0.53		✓	Stainless Antiacid w/ pointed synthetic tips	Fine Point
				120	15				

The Right Tool, for the Right Medical Application

Weller has a wide range of precision tools made from various material and tips

The Perfect Cut

Strong, sharp and precise - every time

Weller Erem Cutters are designed to be strong, durable and sharp, having the highest precision available.



Built to Last

The longest lasting durability on the planet

Weller Erem Pliers are designed to ensure an accurate and sure grip every time.



The Perfect Combination

Precision, design, symmetry and balance

Weller Erem has a wide range of Tweezers, each designed to be strong, comfortable and precise.



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