FEEL THE DIFFERENCE

THE PROVEN CHOICE. EVERY TIME.

HIGH-PRECISION TOOLS FOR MEDICAL DEVICE MANUFACTURING

Swiss Made

www.weller-tools.com

Weller®
Erem®

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

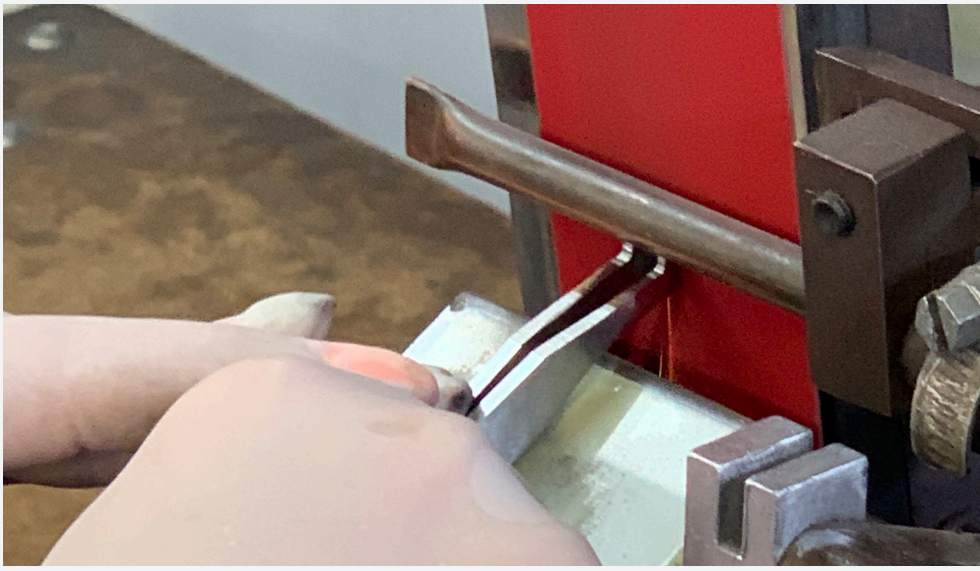
Highest-quality tools and craftsmanship

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

Comfort, Security and Grip

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

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

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 | Competitor

THE PERFECT COMBINATION

Precision, design, symmetry and balance

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

Wide Range

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

Comfort

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

ESD Safe

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

Precision

Superior symmetrically pointed tips

BUILT TO LAST

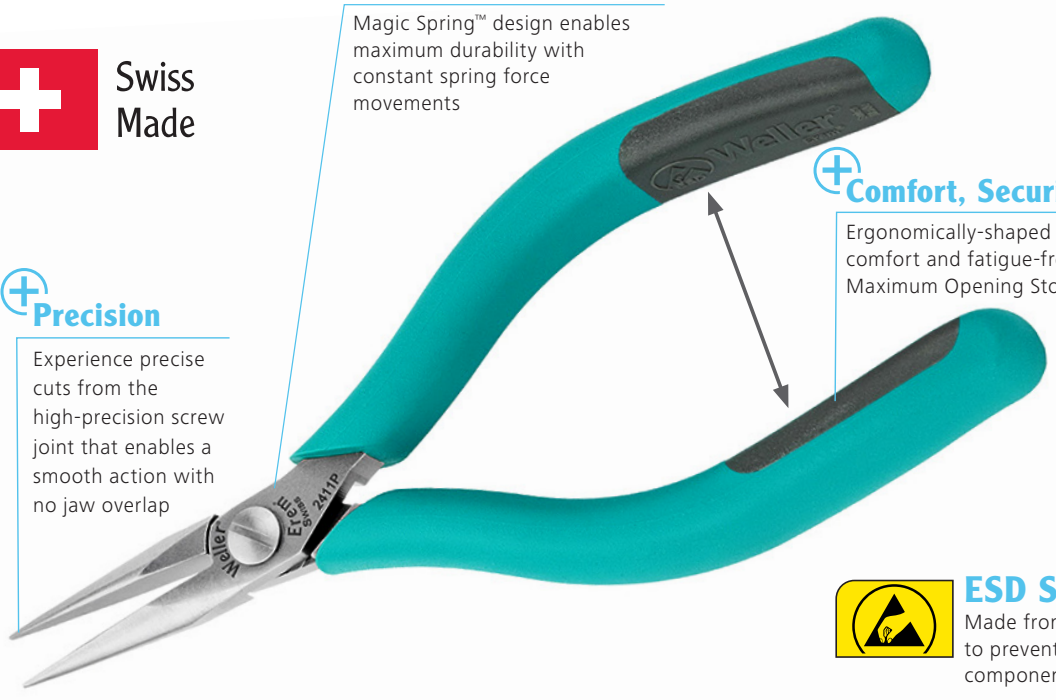
Longest lasting durability on the planet

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



Comfort, Security and Grip

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

Precision

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

ESD Safe

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

CUTTERS

Model	Cut	Description	Key Applications	Dimensions A (in / mm)	B (in / mm)	C (in / mm)	D (in / mm)	Dental/ Ortho	Cardio-vascular*	Typical Medical	Tungsten-Carbide Steel
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 10	0.433 11	0.236 6	0.728 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 10	0.433 11	0.236 6	0.728 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 12	0.433 11	0.236 6	0.748 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 6	0.354 9	0.236 6	0.630 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 8	0.354 9	0.236 6	0.591 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 9	0.354 9	0.236 6	0.590 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 ruber 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 9	0.354 9	0.236 6	0.590 15		✓	✓	

CUTTERS

Model	Cut	Description	Key Applications	Dimensions A (in / mm)	B (in / mm)	C (in / mm)	D (in / mm)	Dental/ Ortho	Cardio-vascular*	Typical Medical	Tungsten-Carbide Steel
503ETST 	Flush	• Tip cutter - angled wide head	Guide Wires, Stents, Catheters, Single/Multiple Fillers, Lateral/ Internal Cuts	0.354 9	0.433 11	0.236 6	0.748 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 12	0.433 11	0.236 6	0.748 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 11	0.433 11	0.236 6	0.011 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 12	0.433 11	0.236 6	0.748 19		✓		✓
599TF 	Flush	• Side cutter - oval head • Fits all cutting applications where easy access is given		0.472 12	0.433 11	0.236 6	0.748 19		✓		✓
599TFO 	Semi-Flush	• Side cutter • High precision for optical fibres • Ideal for Kevlar® silks, Vectran™ sheated wires, optical fibres and small stainless wires	Stainless Steel Coil Wires, Kevlar®, Vectran™ Braided Wires, Fiber Optics	0.472 12	0.43 11	0.24 6	0.748 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 12	0.413 10.5	0.284 7.2	- -	✓	✓	✓	

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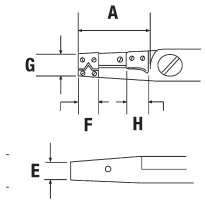
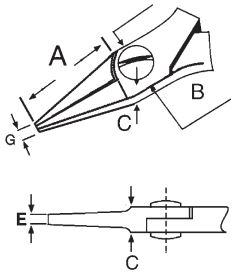
PLIERS

Model	Shape	Description	Key Applications	Dimensions A (in / mm)	B (in / mm)	C (in / mm)	E (in / mm)	G (in / mm)	Dimension Diagram
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 fibers	0.82	0.24	0.24	0.43	0.354	
				21	6	6	11	9	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	
				23	11	6	5	3	
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	
				33.5	11	6	1	1.2	
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	
				33.5	11	6	3.4	1.2	A = Jaw length B = Head width C = head thickness E = Width of tips G = Total height of both tips
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	4.724 120	0.53 16		✓	**SS w/Teflon Coated Tips**	**N/A**
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	4.528 115	0.42 12		✓	**Stainless Steel**	
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	4.528 115	0.74 21		✓	**Carbon Steel**	**.216 narrowed to a pt**
29Y Series 		• Non-reflecting surface	Suitable for stripping fine wires with PVC or Teflon® insulation	4.724 120	0.78 22		✓	**Stainless & Carbon**	
940AS 	**Ring-Shaped**	• Gripping tweezers with locking mechanism • The ring-shaped tip provides for secure handling up to a tensile force of 5 kg • Suitable as a ligature clamp in dentistry • Can be disinfected and sterilized • Gripping tweezers enable the user to hold and manipulate particularly fine wires with a diameter from 0.3 mm/ .011 Inch or insulated optical fibres with a diameter of between 1.5 mm/.059 Inch and 5 mm/.197 Inch		4.724 120	0.60 17	✓	✓	**Stainless Steel**	
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	4.724 120	0.53 15		✓	**Stainless**	**Very Fine**
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	4.528 115	0.42 12		✓	**Stainless Antiacid**	**Very Fine**
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	4.724 120	0.53 15		✓	**Stainless Antiacid w/ pointed synthetic tips**	**Fine Point**

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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	5.118 130	0.71 20		✓	**Anti-Mag-netic**	**Blunt**
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 80	0.21 6		✓	**Stainless Steel**	**Very Fine**
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	4.331 110	0.39 11		✓	**Anti-Mag-netic**	
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	4.724 120	0.49 14		✓	**Stainless Steel**	**Fine Point**
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	4.724 120	0.53 15		✓	**Stainless Steel**	**Flat Round**
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	4.331 110	0.39 11		✓	**Stainless Steel**	**Fine Point**
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	4.724 120	0.49 14		✓	**Stainless Steel**	**Fine Point**
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	4.528 115	0.42 12		✓	**Stainless Steel**	**Fine Point**

TWEEZERS

Model	Shape	Description	Key Applications	Length (in/mm)	Weight (oz/g)	Dental/ Ortho	Various Medical	Material	Head Size
5ASA 	**Bent**	• 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	4.528 115	0.42 12		✓	**Stainless Steel**	**Fine Point**
7SA 	**Bent**	• 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	4.724 120	0.53 15		✓	**Stainless Steel**	**Fine Point**
AASA 	**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	4.921 125	0.56 16		✓	**Stainless Steel**	**Fine Point**
OOSA 	**Straight**	• 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	4.724 120	0.71 20		✓	**Stainless Steel**	**Fine Point**
OODSA 	**Straight**	• 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	4.724 120	0.71 20		✓	**Stainless Steel**	**Fine Point**
15AGW 	**Cutting**	• 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	4.528 115	0.92 26		✓	**Carbon Steel**	**Narrow Oblique**
4ASA 	**Straight**	• 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	4.331 110	0.45 13		✓	**Stainless Steel**	**Very Fine**
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	4.724 120	0.53 15		✓	**Stainless Antiacid w/ pointed synthetic tips**	**Fine Point**

Weller® Erem®

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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