

Tweezers

EREM MANUFACTURES A WIDE RANGE OF TWEEZERS.



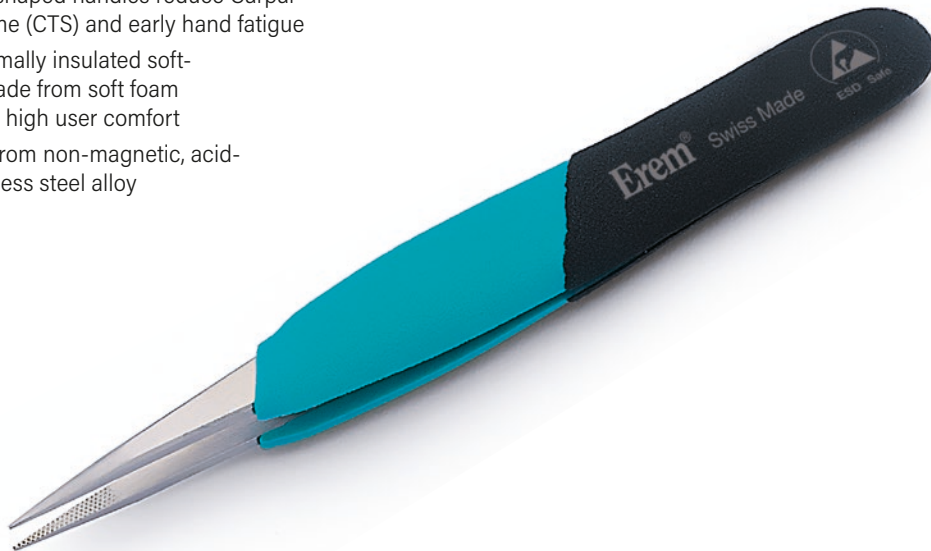
ERGONOMICALLY SHAPED HANDLES

- Ergonomically shaped handles reduce Carpal Tunnel Syndrome (CTS) and early hand fatigue
- Two-color, thermally insulated soft-grip handles made from soft foam material ensure high user comfort
- Manufactured from non-magnetic, acid-proof and stainless steel alloy



ESD-safe

All tweezers with soft-grip handles are ESD-safe.



Pyroplast coating

The Pyroplast coating is not available on all Erem tweezers. It is made to order and requires a minimum order quantity.



Hardened steel

Tweezers made from hardened steel are typified by their particularly hard tips, which ensure great durability. The tweezers are magnetic and the material may rust.

Titanium

Titanium tweezers are light weight and resistant to high temperatures.

Stainless steel

Tweezers made from stainless steel have robust tips do not rust. The material is less hard than hardened steel.

Erem Special stainless steel

This alloy is non-magnetic. The tweezers do not rust and are acid-proof and heat-resistant up to 300°C (512°F).



POINTED TIPS
for precision work



LARGE SELECTION
of matching SMD tweezers
and cutting tweezers for
individual applications



Precision tweezers

Precision tweezers: Pointed tips straight




- For applications in microelectronics, jewelrymaking, watchmaking, medicine and laboratory technology
- Suitable for delicate standard applications and precision work on small components or wires

- For all models with the suffix SA or SASL in the order number: Special stainless steel, non-magnetic, non-rusting, acid-proof, heat-resistant
- For all models with the suffix S in the order number: Stainless steel, robust tips, non-rusting, non-reflecting surface





 3.150 Inch / 80 mm	Model	Weight		Material	Description
		oz.	g		
	M5S	0.21	6	Stainless steel	Micro-tweezers, very pointed tips, e.g. for precision work under a microscope.









 4.252 Inch / 108 mm	Model	Weight		Material	Description
		oz.	g		
	ACSA	0.56	16	Special stainless steel	Precision tweezers with serrated finger grips for secure handling. For precise bending and holding of components or wires.
	20AS	0.42	12	Special stainless steel	Precision tweezers with serrated finger grips and inside-serrated tips for secure handling. Guide pin to avoid overlapping of tips. For precise bending and holding of components or wires.

 4.331 Inch / 110 mm	Model	Weight		Material	Description
		oz.	g		
	3CSA	0.39	11	Special stainless steel	Precision tweezers, standard model for delicate work.
	3CSASL	0.39	11	Special stainless steel	Precision tweezers, standard model for delicate work. Same as 3CSA, but economy model.
	53CSA	0.39	11	Special stainless steel	Precision tweezers with anti-crush feature. Prevents damage to sensitive components. Tweezers relieved at front for secure handling.



 4.724 Inch / 120 mm	Model	Weight		Material	Description
		oz.	g		
      	3SA	0.49	14	Special stainless steel	Precision tweezers with pointed tips for work in microelectronics.
	OODSA	0.71	20	Special stainless steel	Precision tweezers with pointed tips. Very robust. Suitable for standard applications, e.g. for assembly in electronics. Model same as OOSA, but with serrated finger grips and inside-serrated tips for secure handling.
	OOSASL	0.39	20	Special stainless steel	Precision tweezers with pointed tips. Very robust. Suitable for standard applications, e.g. for assembly in electronics. Same as OOSA, but economy model.
	OOSA	0.71	20	Special stainless steel	Precision tweezers with pointed tips. Very robust. Suitable for standard applications, e.g. for assembly in electronics.
	1SASL	0.49	14	Special stainless steel	Precision tweezers with pointed tips for standard applications. Same as 1SA, but economy model.
	1SA	0.49	14	Special stainless steel	Precision tweezers with pointed tips for standard applications.
	3SASL	0.49	14	Special stainless steel	Precision tweezers with pointed tips for work in microelectronics. Same as 3SA, but economy model.
    	11N	0.59	17	Stainless steel, nickel-plated	Precision tweezers with medium-pointed tips, nickel-plated. Suitable for electronic assembly tasks.
	AAS	0.56	16	Stainless steel	Precision tweezers with fine but robust tips.
	AASA	0.56	16	Special stainless steel	Precision tweezers with fine but robust tips for standard applications.
	AASASL	0.56	16	Special stainless steel	Precision tweezers with fine but robust tips for standard applications. Same as AASA, but economy model.
    	AM	0.60	17	Brass	Precision tweezers made from brass.



 5.118 Inch / 130 mm	Model	Weight		Material	Description
		oz.	g		
	249SA	0.71	20	Special stainless steel, pointed synthetic tips (PPS)	Precision tweezers with pointed synthetic tips (PPS) and serrated finger grips for secure handling.
	249CER	0.84	24	Special stainless steel, ceramic tips	Precision tweezers with ceramic tips and serrated finger grips for secure handling.
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 5.512 Inch / 140 mm	Model	Weight		Material	Description
		oz.	g		
	RRS	1.05	30	Stainless steel	Precision tweezers with strong tips for heavy-duty applications.
	SSSA	0.39	11	Special stainless steel	Precision tweezers with long, narrow grips and low tension, responds to minimal pressure. The long grips allow precision work close to heat sources.
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 5.906 Inch / 150 mm	Model	Weight		Material	Description
		oz.	g		
	29SA	0.92	26	Special stainless steel	Reverse-action tweezers with wide, rounded tips. For holding parts by reverse clamping action. Insulated handles, e.g. for protecting against heat.
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 6.299 Inch / 160 mm	Model	Weight		Material	Description
		oz.	g		
	21SA	0.81	23	Special stainless steel	Precision tweezers with medium-pointed tips and serrated finger grips and inside-serrated tips for secure handling. Very robust. The long grips allow precision work close to heat sources.







Precision tweezers: Pointed tips straight relieved

- For precision work e.g. under a microscope
- Relieved shape facilitates excellent access to the most confined spaces

- For all models with the suffix SA or SASL in the order number: Special stainless steel, non-magnetic, non-rusting, acid-proof, heat-resistant
- For all models with the suffix S in the order number: Stainless steel, robust tips, non-rusting, non-reflecting surface










3.543 Inch / 90 mm	Model	Weight	Material	Description
	M4AS	oz. g	Stainless steel	Micro-tweezers, very pointed tips, e.g. for working under a microscope.
		0.32 9		
4.331 Inch / 110 mm	Model	Weight	Material	Description
	4SA	oz. g	Special stainless steel	Precision tweezers with very pointed tips.
		0.45 13		
4.528 Inch / 115 mm	Model	Weight	Material	Description
	5MBS	oz. g	stainless steel	Precision tweezers with extremely pointed tips (~ 0.03 x 0.07 mm/.002 Inch) for use in dissection procedures and working under a microscope. For use on soft materials only.
	5FSA	0.42 12	Stainless steel	Precision tweezers with extremely pointed tips (~ 0.05 x 0.1 mm/.003 Inch) for use in dissection procedures and working under a microscope. For use on soft materials only.
	5SA	0.42 12	Special stainless steel	Precision tweezers with very pointed tips, suitable for very fine wires.
	5SASL	0.42 12	Special stainless steel	Precision tweezers with very pointed tips, suitable for very fine wires. Same as 5SA, but economy model.
	2SA	0.56 16	Special stainless steel	Precision tweezers with medium-pointed tips.
	2SASL	0.56 16	Special stainless steel	Precision tweezers with medium-pointed tips. Same as 2SA, but economy model.
4.724 Inch / 120 mm	Model	Weight	Material	Description
	258SA	oz. g	Special stainless steel, synthetics tips (PPS)	Precision tweezers with pointed synthetic tips (PPS) and serrated finger grips for secure handling. Volume resistance 16 Ω/cm. Heat-resistant up to 250°C (480°F). Resistant to acids and molten soldering tin. Water-repellent.
		0.53 15		

Precision tweezers: Pointed tips bent

- For applications in biology, medicine, laboratory technology and microelectronics
- Bent shape facilitates access to confined spaces
- For all models with the suffix SA or SASL in the order number: Special stainless steel, nonmagnetic, non-rusting, acid-proof, heat-resistant



 4.331 Inch / 110 mm	Model	Weight		Material	Description
	3CBS	oz.	g	Stainless steel	Precision tweezers, curved 40°, with pointed tips, for precision work such as assembly on printed-circuit boards.
		0.53	15		

 115 mm	Model	Weight		Material	Description
     	5CSA	0.42	12	Special stainless steel	Precision tweezers, curved 30°, relieved. Pointed tips. Relieved shape at front of handle provides excellent visibility of the area to be worked on.
	5BSA	0.42	12	Special stainless steel	Precision tweezers, curved 30°, relieved. Pointed tips. Relieved shape at front of handle provides excellent visibility of the area to be worked on.
	51SA	0.42	12	Special stainless steel	Precision tweezers, curved 30°, relieved. Very pointed tips. Relieved shape at front of handle provides excellent visibility of the area to be worked on.
	51SASL	0.42	12	Special stainless steel	Precision tweezers, curved 30°, relieved. Very pointed tips. Relieved shape at front of handle provides excellent visibility of the area to be worked on. Same as 51SA, but economy model.
	5ASA	0.42	12	Special stainless steel	Precision tweezers, lightly curved 15°, relieved. Very pointed tips, e.g. for installing small components.
	5ASASL	0.42	12	Special stainless steel	Precision tweezers, lightly curved 15°, relieved. Very pointed tips, e.g. for installing small components. Same as 5ASA, but economy model.




 120 mm	Model	Weight		Material	Description
		oz.	g		
	7SA	0.53	15	Special stainless steel	Precision tweezers, curved, relieved, with pointed tips. Excellent handling in confined spaces.
	7SASL	0.53	15	Special stainless steel	Precision tweezers, curved, relieved, with pointed tips. Excellent handling in confined spaces. Same as 7SA, but economy model.
 5.512 Inch / 140 mm	Model	Weight		Material	Description
		oz.	g		
	65ASA	0.39	11	Special stainless steel	Precision tweezers, curved 50°. Very pointed tips. For working with extra-small chips and other miniature components.
 5.906 Inch / 150 mm	Model	Weight		Material	Description
		oz.	g		
	24SA	0.78	22	Special stainless steel	Precision tweezers, curved 40°, with robust pointed tips. Serrated finger grips and inside-serrated tips for secure handling. Guide pin to avoid overlapping of tips. Ideally suitable for soldering and assembly jobs.
	30SA	0.92	26	Special stainless steel	Reverse-action tweezers, curved 30°, with robust pointed tips. Fibreglass handles for protection against heat. Reverse clamping action for comfortably holding parts. Particularly suitable for soldering and assembly jobs.

Precision tweezers: Flat round tips straight

➤ Suitable for all standard gripping applications and assembly jobs on printed-circuit boards, e.g. in the goldsmith and jewelry industries

➤ For all models with the suffix SA or SASL in the order number: Special stainless steel, nonmagnetic, non-rusting, acid-proof, heat-resistant



 4.724 Inch / 120 mm	Model	Weight		Material	Description
		oz.	g		
  	2ASA	0.53	15	Special stainless steel	Precision tweezers with flat rounded tips for gripping components. Tip width 2 mm/.078 Inch.
	2ASASL	0.53	15	Special stainless steel	Precision tweezers with flat rounded tips for gripping components. Tip width 2 mm/.078 Inch. Same as 2ASA, but economy model.
	2ASASLT	0.53	16	Special stainless steel	Precision tweezers with flat rounded tips for gripping components. Tip width 2 mm/.078 Inch. Same as 2ASA, but with Teflon®-coated tips for non-stick holding of self-adhesive parts.
	2ASARU	0.53	16	Special stainless steel	Precision tweezers with flat rounded tips for gripping components. Tip width 2 mm/.078 Inch. Same as 2ASA, but with coated tips for non-stick holding of self-adhesive parts.
 	52ASA	0.53	15	Special stainless steel	Precision tweezers with pointed, rounded and flexibly movable tips. Prevents damage to sensitive components.



Precision tweezers with ergonomic handles



- This series offers models with thin shaped tips to suit every application
- Ergonomically shaped handles reduce hand fatigue and facilitates comfortable working
- Thermally insulated, soft foam handles, ESD-safe
- For all models with the suffix SA in the order number: Special stainless steel, non-magnetic, non-rusting, acid-proof, heat-resistant

 4.724 Inch / 120 mm	Model	Weight		Material	Description
		oz.	g		
	E5SA	0.88	25	Special stainless steel, soft foam handles	Ergonomic precision tweezers with straight, very pointed tips for gripping fine wires.
	E3CSA	0.88	25	Special stainless steel, soft foam handles	Ergonomic precision tweezers with long, straight and pointed tips, e.g. for assembly jobs on printed-circuit boards.
	E00SA	1.05	30	Special stainless steel, soft foam handles	Ergonomic precision tweezers with straight, strong tips for standard applications. Very robust.
	E00DSA	1.05	30	Special stainless steel, soft foam handles	Model same as E00SA, but with inside-serrated tips.
	E7SA	0.99	28	Special stainless steel, soft foam handles	Ergonomic precision tweezers with curved strong tips, e.g. for working in confined spaces.
	E2ASA	1.05	30	Special stainless steel, soft foam handles	Ergonomic precision tweezers with straight, flat and rounded tips for simple gripping jobs. Tip width 2 mm/.078 Inch.
	E15AGW	1.05	30	Carbon-steel, soft foam handles	Cutting tweezers, carbon-steel tips.

Side Cutters and Tip Cutters

Pliers

Tweezers

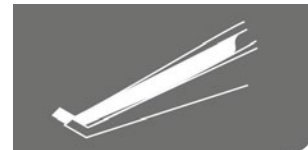
Special tools

Kits

SMD tweezers

SMD tweezers – Angled tips

- Suitable for perfect handling of chips and miniature components
- Suitable for assembling SMD printed-circuit boards or ceramic substrates
- Bent shape facilitates optimum access to confined spaces and provides excellent visibility of the area to be worked on
- For all models with the suffix CA in the order number: Special stainless steel, non-magnetic, non-rusting, acid-proof, heat-resistant



 4.528 Inch / 115 mm	Model	Weight		Material	Description
		oz.	g		
  	102ACA	0.53	15	Special stainless steel	SMD tweezers, angled 45°, with pointed application.
	102ACAX	0.49	14	Special stainless steel	SMD tweezers, angled 45°, with pointed application. Model same as 102ACA, but reverse clamping action for easy holding.
	103ACA	0.53	15	Special stainless steel	SMD tweezers, angled 45°, with slightly wider tips for vertical application.

SMD tweezers – Round tips straight

- Suitable for gripping and holding round components and wires
- Blunted edges prevent damage to printed-circuit boards
- For all models with the suffix SA in the order number: Special stainless steel, non-magnetic, non-rusting, acid-proof, heat-resistant



 4.331 Inch/ 110 mm	Model	Weight		Material	Description
		oz.	g		
 	39SA	0.53	15	Special stainless steel	SMD tweezers with round tips, dia. 0.3 mm/.011 Inch. Serrated finger grips for secure handling. For gripping small wires and cylindrical components.
	40SA	0.53	15	Special stainless steel	SMD tweezers with round tips, dia. 0.4 mm/.015 Inch. Serrated finger grips for secure handling. For gripping small wires and cylindrical components.



4.724 Inch / 120 mm	Model	Weight		Material	Description
		oz.	g		
	150SAMF	0.46	13	Stainless steel	SMD tweezers with round, very narrow tips, dia. 1.2 – 2.5 mm/ .047 – .098 Inch. Serrated finger grips for secure handling. For gripping cylindrical components, mini MELFs, etc.
	150SAD	0.46	13	Stainless steel	SMD tweezers with round tips, dia. 1.5 – 3 mm/.059 – .118 Inch. Serrated finger grips for secure handling. For gripping cylindrical components, mini MELFs, etc.
	150SA	0.46	13	Special stainless steel	SMD tweezers with round tips, dia. 1.5 – 3 mm/.059 – .118 Inch. Serrated finger grips for secure handling. For gripping cylindrical components.

SMD tweezers – Round tips bent

- Suitable for gripping fine wires and cylindrical components
- Blunted edges prevent damage to printed-circuit boards
- For all models with the suffix SA in the order number: Special stainless steel, non-magnetic, non-rusting, acid-proof, heat-resistant





4.528 Inch / 115 mm	Model	Weight		Material	Description
		oz.	g		
	150SAMB	0.60	17	Special stainless steel	SMD tweezers, angled 40°, with round tips, dia. 1.2 – 2.5 mm/ .047 – .098 Inch. Serrated finger grips for secure handling.



Locking gripping tweezers

- 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
- Suitable as a ligature clamp in dentistry
- Can be disinfected and sterilized

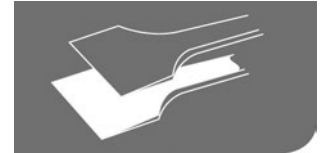
 4.724 Inch / 120 mm	Model	Weight		Material	Description
	940AS	oz.	g	Special stainless steel	Gripping tweezers with locking mechanism. The ring-shaped tip provides for secure handling up to a tensile force of 5 kg.
		0.60	17		









Wafer tweezers

- Suitable for 3" to 6" wafers
- Serrated finger grips for secure handling
- Wafer tweezers are available to order in various sizes and coatings

- For all models with the suffix SA in the order number: Special stainless steel, non-magnetic, non-rusting, acid-proof, heat-resistant



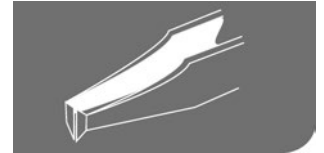
A = Paddle width
B = Paddle depth





 4.921 Inch / 125 mm	Model	Weight		A	B	Material	Description
		oz.	g	mm	mm		
	91SA	0.53	15	12	7	Special stainless steel	Standard wafer tweezers for 3" and 4" wafers.
 5.118 Inch / 130 mm	Model	Weight		A	B	Material	Description
		oz.	g	mm	mm		
	608ASA	0.81	23	30	8.5	Special stainless steel	Wafer tweezers with flat lower paddle and 6 upper fingers for protecting wafers against damage. For 6" wafers. Model same as 600ASA, but 30 mm/1.181 Inch wide.
	600ASA	0.81	23	19.5	7	Special stainless steel	Wafer tweezers with flat lower paddle and 6 upper fingers for protecting wafers against damage. For 6" wafers.
 5.906 Inch / 150 mm	Model	Weight		A	B	Material	Description
		oz.	g	mm	mm		
	141SAP WAFER TWEEZERS 150MM	1.06	30			Special-stainless steel	Wafer tweezers with polyester tips for protecting Si, GaAs or Ti wafers against damage. For 4" - 6" wafers.



Cutting tweezers

- Suitable for cutting fine, soft wires and small components
- Delivers high-precision cuts
- Hardened cutting edges for long service life
- For all models with the suffix S in the order number: Stainless steel, robust tips, non-rusting, non-reflecting surface

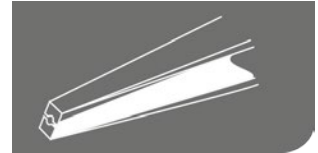


 4.528 Inch / 115 mm	Model	Weight		Material	Description
		oz.	g		
	15AGW	0.92	26	Stainless steel	Cutting tweezers with narrow oblique head. For soft wires up to dia. 0.25 mm/.010 Inch.
	 15AGS	0.74	21	Stainless steel	Cutting tweezers with narrow oblique head. For soft wires up to dia. 0.25 mm/.010 Inch.
					





Stripping tweezers

- Suitable for stripping fine wires with PVC or Teflon® insulation
- Non-reflecting surface
- Please send a wire sample when ordering

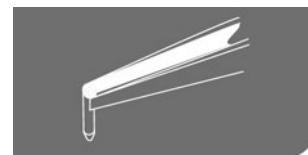




 4.724 Inch / 120 mm	Model	Weight		Material	Description
		oz.	g		
	29Y30	0.78	22	Stainless steel	Miniature stripping tweezers, dia. 0.25 mm/.010 Inch (AWG 30). Stainless steel. Ser-rated finger grips for secure handling.
	29Y32	0.78	22	Stainless steel	Miniature stripping tweezers, dia. 0.2 mm/.007 Inch (AWG 32). Stainless steel. Ser-rated finger grips for secure handling.

 4.724 Inch / 120 mm	Model	Weight		Material	Description
		oz.	g		
	29W30	0.99	28	Stainless steel	Stripping tweezers with synthetic fibre handle. For wires of dia. 0.25 – 0.3 mm/.010 – .011 Inch (AWG 30 – 28). For standard and Teflon® insulation.
	XB29W301				Spare blade for 29W30

Extraction tweezers

- Suitable for extracting contacts from the rear of a plug connector



 4.724 Inch / 120 mm	Model	Weight		Material	Description
		oz.	g		
	024C	0.53	15	Stainless steel	Extraction tweezers for Sub-D connectors. Stainless steel. Outside Ø 12 mm/472 Inch (A) Inside Ø 7 mm/276 Inch (B)