

swiss made +

 ideal-tek s.a.  
manufacturer of high precision tools and instruments

CATALOGUE 2012

technology at your fingertips

  
**DPV**  
ELEKTRONIK

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## Company Profile

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Ideal-tek, founded in 1965, is a Swiss company manufacturing top quality hand made tools with 50 employees, selling its products in 40 countries in 5 continents. The activities of the company are organized in two business units: manufacturer of hand tools & master distributor for high quality accessories and consumables. Our main market segments are electronics, medical device, watch industry, jewellery, laboratories and universities.

High quality is achieved by giving human resources the best possible support in terms of technology and manufacturing equipment. Certified ISO 9001 since 1994.

Our investments focus on research and development of new solutions/products and applications in order to meet our customer's increasing requirements.

Choosing Ideal-tek means selecting a partner who fully understands the needs of customers.

Sincerely  
Ideal-tek





# High Precision Cutters & Pliers

- High quality ball bearing steel
- 63 - 65 Rockwell Hardness (HRC): Pyrometer controlled inductive hardening
- All cutters available in three types of cutting blades:
  - SEMI-FLUSH, for soft and hard wire.
  - FLUSH, for very precise cutting of soft wire.
  - FULL-FLUSH, for a perfect cutting of soft wire.

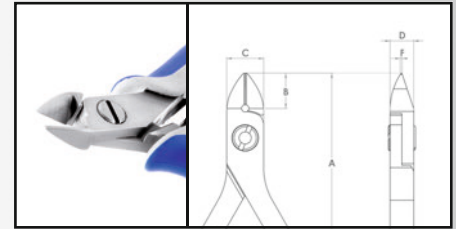


- 2-Component ESD Ergonomic handles, soft comfortable gripping surface, hard plastic core.
- Dual leaf springs in stainless steel
- Lap joint with screw in order to achieve a high level of strength and precision. The nut is made of hardened alloy steel to resist high cutting load. The screw is fine-pitched for perfect joint adjustment.

## The Cutters

### - Oval

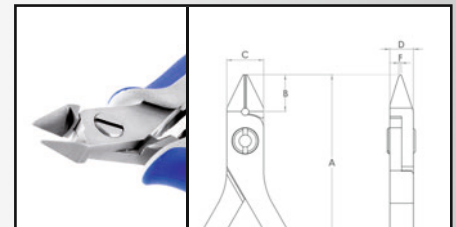
Small: robust, slim shape, an optimum balance between durability and accessibility.  
Big: very strong and durable, for intensive cutting operations.



Art. No.	A [mm]	B [mm]	C [mm]	D [mm]	F [mm]	Cutting edges	Cutting capacity wire mm/AWG			
							Cu-wire	Yellow gold	White gold	Platinum
5140	123	10	10	6.4	0.5	Semi-flush	0.2-1.2 / 32-17	0.2-1.1 / 32-17	0.2-1.0 / 32-18	0.2-0.9 / 32-19
5141	123	10	10	6.4	0.5	Flush	0.1-1.2 / 38-17	0.1-1.1 / 38-17	0.1-1.0 / 38-18	0.1-0.9 / 38-19
5142	123	10	10	6.4	0.5	Full-flush	0.1-1.0 / 38-18	0.1-0.9 / 38-19	0.1-0.8 / 38-20	0.1-0.7 / 38-21
5150	125	12.5	12.5	6.4	0.5	Semi-flush	0.3-1.6 / 29-14	0.3-1.5 / 29-15	0.3-1.4 / 29-15	0.3-1.3 / 29-16
5151	125	12.5	12.5	6.4	0.5	Flush	0.2-1.6 / 32-14	0.2-1.5 / 32-15	0.2-1.4 / 32-15	0.2-1.3 / 32-16
5152	125	12.5	12.5	6.4	0.5	Full-flush	0.2-1.2 / 32-17	0.2-1.1 / 32-17	0.2-1.0 / 32-18	0.2-0.9 / 32-19

### - Tapered

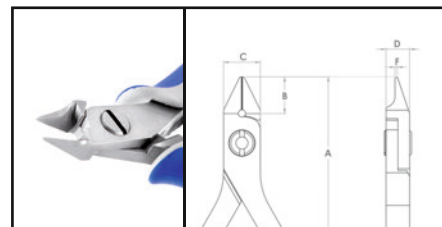
Small: pointed head shape, slim and optimum balance between durability and accessibility.  
Big: robust and versatile. Pointed head shape to increase accessibility when limited space.



Art. No.	A [mm]	B [mm]	C [mm]	D [mm]	F [mm]	Cutting edges	Cutting capacity wire mm/AWG			
							Cu-wire	Yellow gold	White gold	Platinum
5340	123	10	10	6.4	0.5	Semi-flush	0.2-1.2 / 32-17	0.2-1.1 / 32-17	0.2-1.0 / 32-18	0.2-0.9 / 32-19
5341	123	10	10	6.4	0.5	Flush	0.1-1.2 / 38-17	0.1-1.1 / 38-17	0.1-1.0 / 38-18	0.1-0.9 / 38-19
5342	123	10	10	6.4	0.5	Full-flush	0.1-1.0 / 38-18	0.1-0.9 / 38-19	0.1-0.8 / 38-20	0.1-0.7 / 38-21
5350	125	12.5	12.5	6.4	0.5	Semi-flush	0.3-1.6 / 29-14	0.3-1.5 / 29-15	0.3-1.4 / 29-15	0.3-1.3 / 29-16
5351	125	12.5	12.5	6.4	0.5	Flush	0.2-1.6 / 32-14	0.2-1.5 / 32-15	0.2-1.4 / 32-15	0.2-1.3 / 32-16
5352	125	12.5	12.5	6.4	0.5	Full-flush	0.2-1.2 / 32-17	0.2-1.1 / 32-17	0.2-1.0 / 32-18	0.2-0.9 / 32-19

### - Tapered and relieved

Pointed head shape and deep relief for a very low profile to maximize accessibility when limited space.

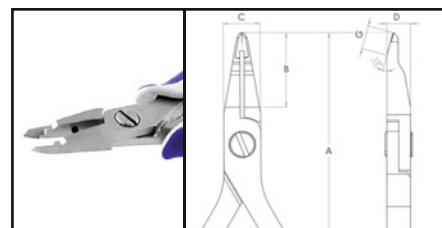


#### Cutting capacity wire mm/AWG

Art. No.	A [mm]	B [mm]	C [mm]	D [mm]	F [mm]	Cutting edges	Cu-wire	Yellow gold	White gold	Platinum
5540	123	10	10	6.4	0.5	Semi-flush	0.2-1.2 / 32-17	0.2-1.1 / 32-17	0.2-1.0 / 32-18	0.2-0.9 / 32-19
5541	123	10	10	6.4	0.5	Flush	0.1-1.2 / 38-17	0.1-1.1 / 38-17	0.1-1.0 / 38-18	0.1-0.9 / 38-19
5542	123	10	10	6.4	0.5	Full-flush	0.1-0.8 / 38-20	0.1-0.9 / 38-19	0.1-0.8 / 38-20	0.1-0.7 / 38-21

### - Micro Tip 15°cutters

Long, narrow jaws. Sharp edges for cutting at the very tip. Deep relief for an exceptionally low profile.

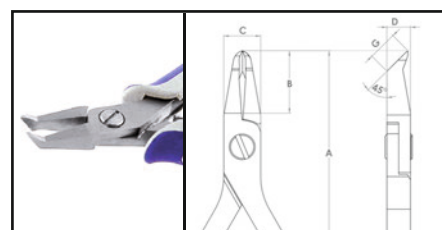


#### Cutting capacity wire mm/AWG

Art. No.	A [mm]	B [mm]	C [mm]	D [mm]	F [mm]	G [mm]	Cutting edges	Cu-wire	Yellow gold	White gold	Platinum
5233	136	23.2	10	6.4	0.5	5.2	Full Flush	0.1-0.8 / 38-20	0.1-0.7 / 38-21	0.1-0.6 / 38-23	0.1-0.5 / 38-25

### - Angle 50° cutters

Angulated and relieved cutter to maximize accessibility and visibility when limited space.

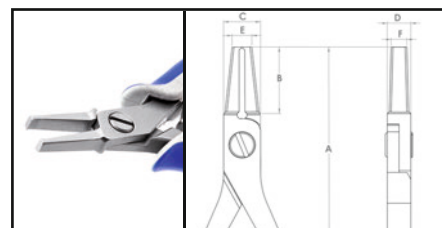


#### Cutting capacity wire mm/AWG

Art. No.	A [mm]	B [mm]	C [mm]	D [mm]	F [mm]	G [mm]	Cutting edges	Cu-wire	Yellow gold	White gold	Platinum
5247	132	19.2	10	6.4	0.5	6.5	Flush	0.1-1.2 / 38-17	0.1-1.1 / 38-17	0.1-1.0 / 38-18	0.1-0.9 / 38-19

### - Front cutters

Tip cutters for vertical tip cutting.



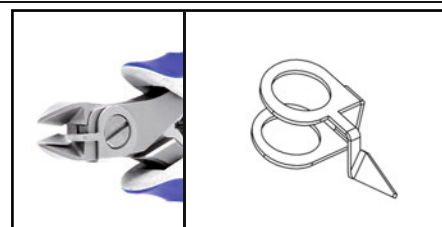
#### Cutting capacity wire mm/AWG

Art. No.	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	Cutting edges	Cu-wire	Yellow gold	White gold	Platinum
5291	113	18.5	10	6.4	6.4	4.3	Flush	0.1-1.2 / 38-17	0.1-1.1 / 38-17	0.1-1.0 / 38-18	0.1-0.9 / 38-19

## Wire Lead Catchers

Wire Lead Catcher, made of stainless steel AISI 304, for our high precision cutters with 10mm box or 12.5mm box. Packed in box of 20 bags in minigrip of 5 (Total 100 pcs).

Art. No.	Description
WLC100	100 pcs; for cutters with box joint of 10mm
WLC125	100 pcs; for cutters with box joint of 12.5mm

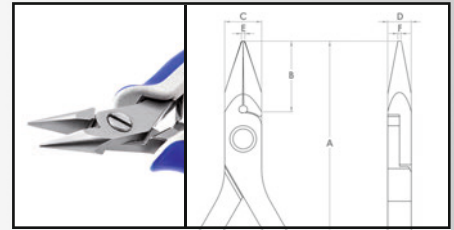


## The Pliers

### - Snipe nose

Commonly used in electronic assembly and rework, as well as in fine jewellery and beading work. Long bent nose pliers have flat-faced inner jaws.

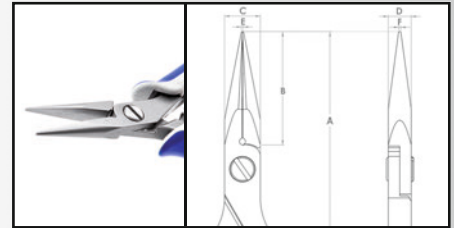
Art. No.	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	Jaw shape
6021	133	20	10	6.4	1.2	1.0	smooth
6022	133	20	10	6.4	1.2	1.0	serrated



### - Snipe nose long

Commonly used in electronic assembly and rework, as well as in fine jewellery and beading work. Pliers nose have flat-faced inner jaws.

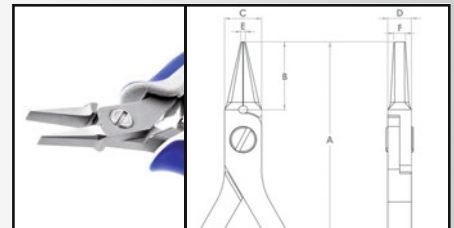
Art. No.	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	Jaw shape
6023	143	30	10	6.4	1.2	1.0	smooth
6024	143	30	10	6.4	1.2	1.0	serrated



### - Flat nose

Flat nose pliers feature a very fine tip, smooth jaws and inner edges.

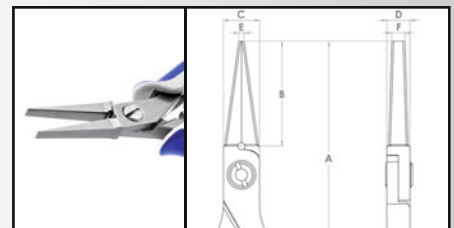
Art. No.	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	Jaw shape
6011	133	20	10	6.4	1.2	4.0	smooth
6012	133	20	10	6.4	1.2	4.0	serrated



### - Flat nose long

Flat nose pliers feature a very fine tip, smooth jaws and inner edges.

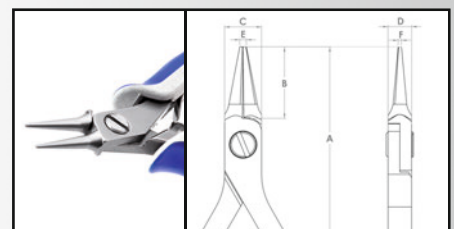
Art. No.	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	Jaw shape
6013	143	30	10	6.4	1.5	3.6	smooth
6014	143	30	10	6.4	1.5	3.6	serrated



### - Round nose

Round nose pliers have jaws formed by two long cones. A round nose pliers is generally used both to clamp and to form loops on leads or wire. The long jaws also provide increased access.

Art. No.	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	Jaw shape
6041	133	20	10	6.4	2.0	1.0	Very fine



## Microshears and Cutters

Carefully crafted precision cutting blades combine seamlessly with curved, palm shaped, handles to deliver effortless lead cutting and user comfort.

Features:

- Comfortable, Ergonomic design
- ESD safe to protect sensitive components
- Responsive spring-back action for quick, comfortable cutting of multiple leads
- Thin profile design to reach tight areas in electronics assembly
- Available with a permanently attached safety guard to reduce the risk of lead fly-off

MOQ : 10 pcs



175

- Safety lead catcher
- Requires 50% less cutting effort
- Light weight. Flush-cuts off wire (copper, nickel, etc) up to 1mm diameter
- Thin profile for tight and hard-to-reach areas
- Hardened carbon steel

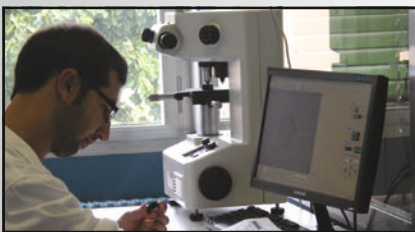
MOQ : 10 pcs



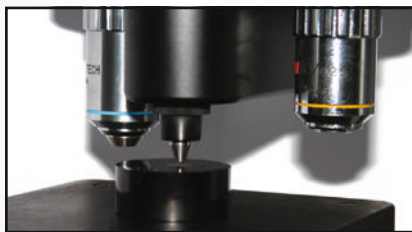
C-18

Flush cutter with extra sharp cutting edges for very delicate work.

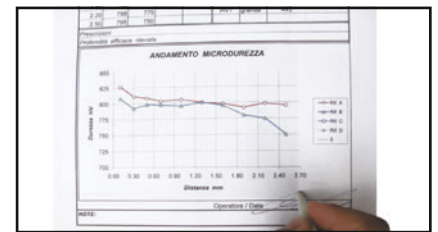
## Inspections quality test procedures



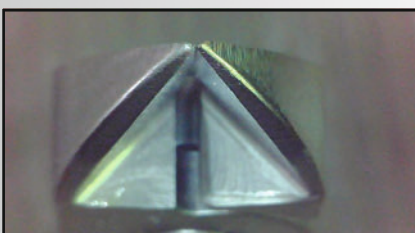
metallographic laboratory



hardness test



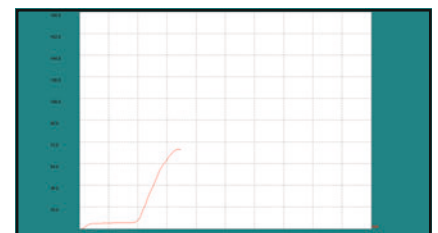
hardness profile report



visual inspection



cutting capacity and life expectancy



Fmax (N) needed to cut a 1mm Ø copper wire





# High Precision Tweezers

Handcrafted to perfect tip symmetry and balance, polished edges, superior no-scratch/antiglare satin finish.

The right tweezers and material for a successful application.

Many High Precision Tweezers are available in different materials (SA, S, NC, N, TA, BR) and also available with special coatings (EP, NE, TE). Please refer to technical data sheet on pages 35-37 for more information. Technical data sheets are available in PDF at [www.ideal-tek.com](http://www.ideal-tek.com)



0.SA

4 3/4" 120mm  
flat edges, fine tips



00.SA

4 3/4" 120mm  
strong, flat edges, thick



000.SA

4 3/4" 120mm  
strong, flat radiused edges, fine



00B.SA

4 3/4" 120mm  
same as 00 with serrated grips



0C9.SA  
0C9.S

3 1/2" 90mm  
short, flat edges, fine



00D.SA

4 3/4" 120mm  
same as 00, serrated tips and grips



1.SA  
1.S  
1.NC  
1.TA

4 3/4" 120mm  
strong, straight, fine



2.SA  
2.S  
2.NC  
2.BR

4 3/4" 120mm  
flat, sharp fine tips



2A.SA  
2A.S  
2A.NC  
2A.TA

4 3/4" 120mm  
flat, accurate round tips



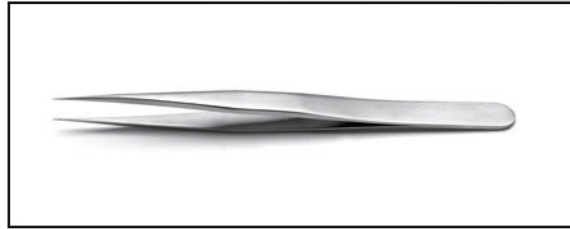
2AB.SA  
2AB.TA

4 3/4" 120mm  
as 2A, curved



2AZ.SA

4 3/4" 120mm  
as 2A, double bent tips



3.SA  
3.S  
3.NC  
3.TA

4 3/4" 120mm  
very sharp, fine



3C.SA  
3C.S  
3C.NC  
3C.TA

4 1/4" 110mm  
as 3, short



3CB.SA

4 1/4" 110mm  
as 3C, bent tips



4.SA  
4.S  
4.TA

4 1/4" 110mm  
extra fine tips



4A.SA

4 1/4" 110mm  
as 4, stronger



5.SA  
5.S  
5.NC  
5.TA

4 1/4" 110mm  
extra fine tips, superior finish



5A.SA  
5A.S  
5A.NC

4 1/2" 115mm  
extra fine tips, superior finish



5B.SA

4 1/4" 110mm  
as 5, bent tips for max visibility



5C.SA

4 1/2" 115mm  
as 5A, extra fine, double bent tips



5TTH.SA

4 1/4" 110mm  
anti capillary, extra fine, with lock-ring for handling electronic microscope grids



6.SA

4 1/2" 115mm  
flat angled, fine



7.SA  
7.S  
7.NC  
7.TA

4 1/2" 115mm  
very fine, curved



7A.SA

4 1/2" 115mm  
as 7, strong



7B.SA

4 1/2" 115mm  
as 7, serrated tips



10G.SA

4 1/4" 110mm  
fine, serrated tips and grips



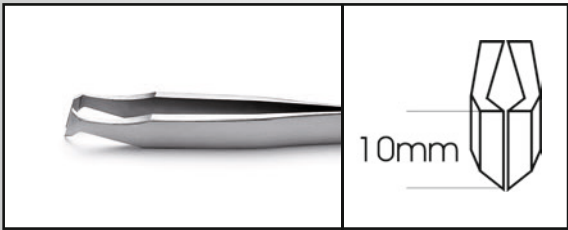
11.N

4 3/4" 120mm  
straight, fine tips



15A.C

4 3/4" 120mm  
cutting tweezers for soft copper, gold, silver, magnetic wires



15AGW.C

4 3/4" 120mm  
cutting tweezers for soft copper, gold, silver, magnetic wires



15AP.C

4 3/4" 120mm  
parallel cutting tweezers for soft copper, gold, silver, magnetic wires



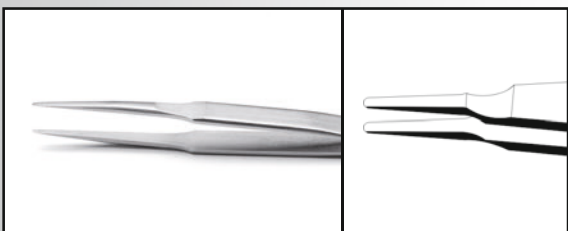
27C.BR  
27CL.BR

5" 130mm  
strong, sharp, fine tips; precision brass tweezers  
L identifies mirror polished tips: ex. 27CL.BR



51S.SA

4 1/2" 115mm  
as 5A, bent tips for max visibility



52A.SA

4 3/4" 120mm  
as 2A, crush proof, smooth action



775.SA.NE

6 1/8" 155mm  
fine, bent tips ESD epoxy coated handles



AC.SA

4 1/4" 110mm  
strong tips, serrated grips



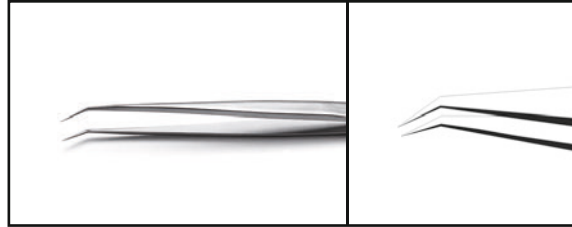
AM.BR  
AML.BR

4 3/4" 125mm  
precision brass tweezers anti-sparking  
L identifies mirror polished tips: ex. AML.BR



F.SA

4 3/4" 120mm  
as 2A, flat and squared tips



65A.SA

5 1/2" 140mm  
very fine bent tips



SS.SA  
SS.S  
SS.NC  
SS.TA

5 1/2" 140mm  
extra fine tips



K5HP.SA  
K5HP.S  
K5HP.NC  
K5HP.TA

high precision tweezers set 00, 2A, 3C, 5, 7  
top quality hard/foam wallet

# High Precision Mini Tweezers

Short tweezers without the excess bulk of long tweezers.  
Made of anti-acid/anti-magnetic stainless steel (SA).



M00D.SA

3 1/2" 90mm  
serrated tips and grips



M2.SA

3" 80mm  
flat sharp fine tips



M2A.SA

2 3/4" 70mm  
rounded flat tips



M3.SA

2 3/4" 70mm  
sharp, fine tips



M4.SA

3" 80mm  
very fine tips



M5.SA

3" 80mm  
extra fine tips

# High Precision Reverse Action Tweezers

Specially intended for applications where a high precise self-closing action is required (e.g. microscopy).  
Fine tips in anti-acid/anti-magnetic stainless steel (SA).



2AX.SA

4 3/4" 120mm  
flat accurate round tips



3X.SA

4 3/4" 120mm  
very sharp, fine



4X.SA

4 1/4" 110mm  
extra fine tips



5X.SA

4 1/4" 110mm  
extra fine tips, superior finish



5AX.SA

4 1/2" 115mm  
extra fine tips, superior finish



7X.SA

4 1/2" 115mm  
very fine, curved

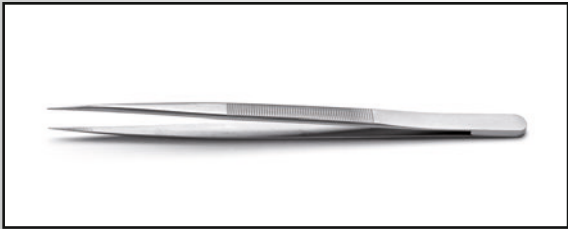


5TTHX.SA

4 1/4" 110mm  
anti capillary, extra fine, with lock-ring for handling electronic microscope grids

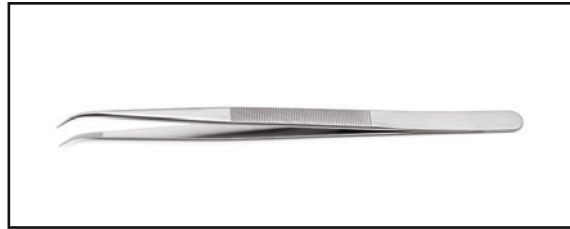
# General Purpose Tweezers

Handcrafted to perfect tip symmetry and balance, polished edges, superior no-scratch/antiglare satin finish.  
The right tweezers and material for a successful application.  
Available in anti-magnetic stainless steel (SA)



119.SA

6" 150mm  
fine tips, serrated tips and grips



119B.SA

6" 150mm  
as 119, curved tips



120A.SA

4 1/4" 110mm  
fine, strong serrated tips and grips



121.SA

6 1/4" 160mm  
very strong, blunt serrated tips and grips



122.SA

6" 150mm  
fine, bent serrated tips and grips



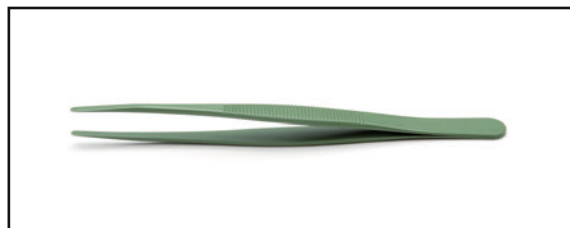
123.SA

6" 150mm  
Fine, double bent serrated tips and grips



124.SA

6" 150mm  
as 122, strong serrated tips and serrated grips



321.SA.T

4 3/4" 120mm  
flat rounded tips teflon coated



456.SA

5" 130mm  
fine serrated tips



475.SA

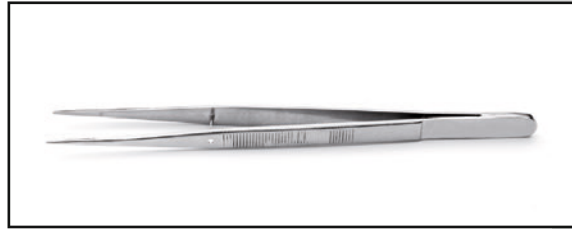
5 1/2" 140mm  
strong blunt precision serrated tips and serrated grips





647.SA

4 3/4" 120mm  
strong blunt precision tips serrated tips and grips



648.SA

6" 150mm  
strong, fine, alignment pin, serrated tips and grips



649.SA

6" 150mm  
strong, fine, bent, alignment pin, serrated tips and grips



650.SA

6" 150mm  
fine double bent serrated tips and grips

## Boley Tweezers

General purpose tweezers available in different materials for specific applications.



AA.SA  
AA.S  
AA.NP

5" 130mm  
general purpose straight fine tips

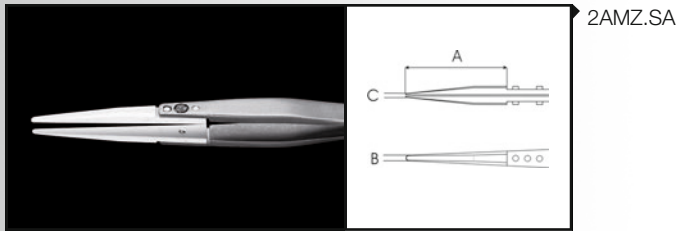


MM.SA

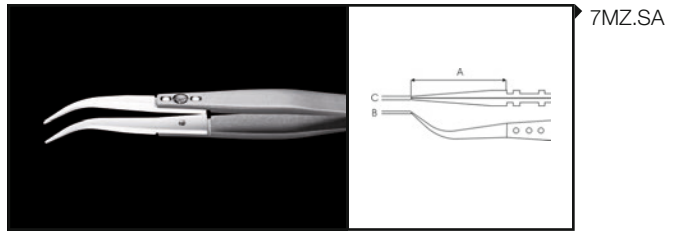
5" 130mm  
general purpose strong fine tips

## Ceramic Replaceable Tip Tweezers

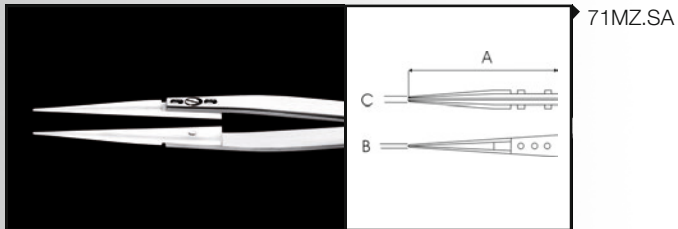
Zirconia ceramic precision tips (MZ). Surface resistivity 10E12 Ohm. Contamination free, high temperature (1500°C) wear and solder resistant. Stainless steel (SA) handles. Alignable replaceable tips system: PATENT PENDING NO. 1750/97. Technical data are available on pages 35-36 or at [www.ideal-tek.com](http://www.ideal-tek.com)



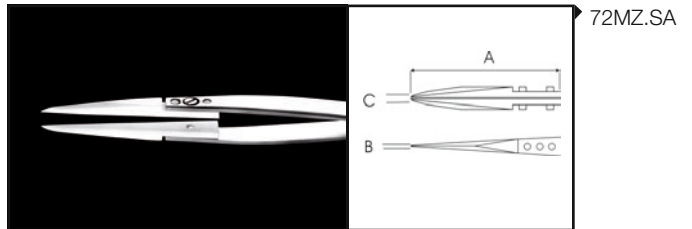
A 1.4" 35mm - B 0.08" 2.0mm - C 0.02" 0.6mm  
replaceable tips set code: **A2AMZ**



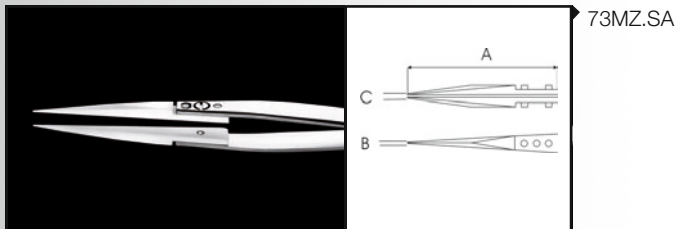
A 1.7" 43.5mm - B 0.02" 0.6mm - C 0.02" 0.6mm  
replaceable tips set code: **A7MZ**



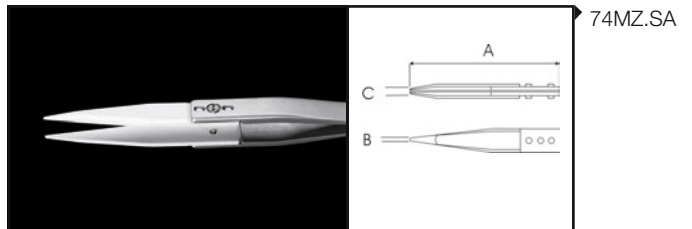
A 1.2" 30mm - B 0.011" 0.3mm - C 0.011" 0.3mm  
replaceable tips set code: **A71MZ**



A 1.2" 30mm - B 0.007" 0.2mm - C 0.016" 0.4mm  
replaceable tips set code: **A72MZ**



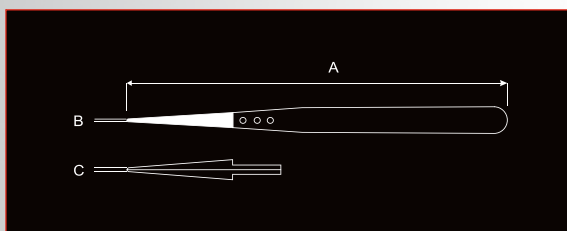
A 1.3" 33mm - B 0.011" 0.3mm - C 0.02" 0.6mm  
replaceable tips set code: **A73MZ**



A 1.6" 40mm - B 0.019" 0.5mm - C 0.019" 0.5mm  
replaceable tips set code: **A74MZ**

## Plastic Tip Tweezers

The largest and the most precise plastic tweezers range all over the world. 30 years of experience in high engineering plastic materials. Choose the right tweezers in the right material for your success in your application. Technical data are available on pages 35-36 or at [www.ideal-tek.com](http://www.ideal-tek.com) for more information and chemical data-charts.



A 5" 130mm - B 0.04" 1.0mm - C 0.08" 2.0mm



2ACF.SA

A 5" 130mm - B 0.07" 1.8mm - C 0.04" 1.0mm



3CCF.SA

A 4 1/4" 110mm - B 0.03" 0.8mm - C 0.05" 1.3mm



3CF.SA

A 5" 130mm - B 0.03" 0.8mm - C 0.05" 1.3mm



5CF.SA

A 5" 130mm - B 0.02" 0.5mm - C 0.025" 0.6mm



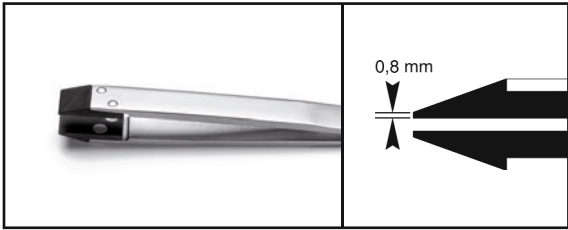
5XCF.SA

A 5" 130mm - B 0.02" 0.5mm - C 0.025" 0.6mm



7CF.SA

A 5" 130mm - B 0.025" 0.6mm - C 0.025" 0.6mm



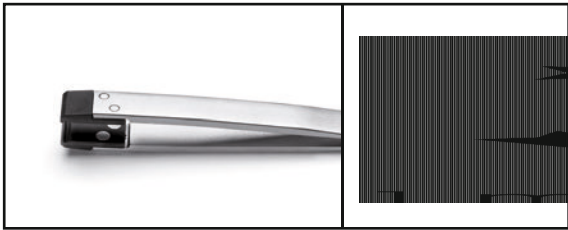
248CF.SA

A 5" 130mm - B 0.4" 10mm - C 0.07" 1.8mm



249CF.SA

A 5" 130mm - B 0.09" 2.2mm - C 0.09" 2.2mm



250CF.SA

A 5" 130mm - B 0.4" 10mm - C 0.07" 1.8mm



259CF.SA

A 5" 130mm - B 0.025" 0.6mm - C 0.04" 1.0mm



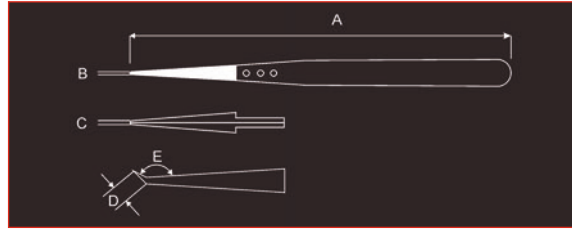
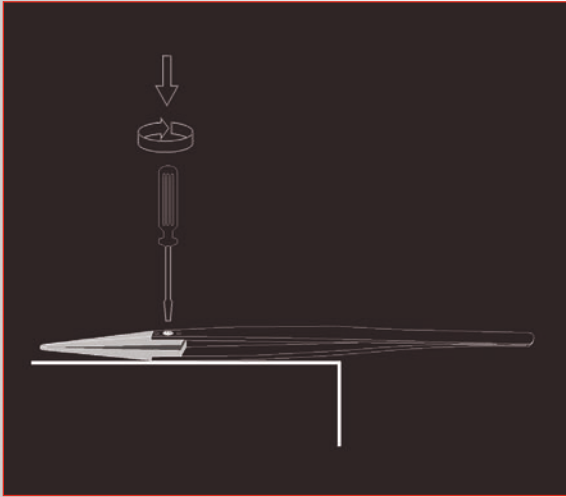
269CF.SA

A 5" 130mm - B 0.12" 3.0mm - C 0.07" 1.8mm

# Plastic Replaceable Tip Tweezers

The largest and the most precise plastic tweezers range all over the world. 30 years of experience in high engineering plastic materials. Choose the right tweezers in the right material for your success in your application. Technical data are available on pages 35-36 or at [www.ideal-tek.com](http://www.ideal-tek.com) for more information and chemical data charts.

Replaceable kits come with 2 tips and 3 screws. The easiest and most precise replacement system available into the tweezers market.



00CFR.SA  
00CPR.SA  
00SVR.SA

A 5" 130mm - B 0.04" 1.0mm - C 0.08" 2.0mm



2ACFR.SA  
2ACPR.SA  
2ASVR.SA

A 5" 130mm - B 0.07" 1.8mm - C 0.04" 1.0mm



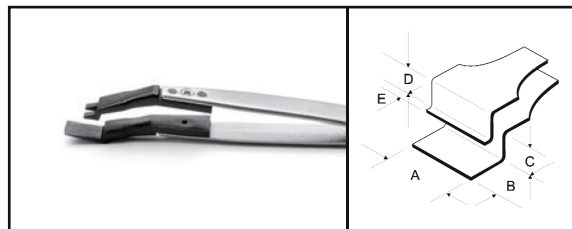
2ABCFR.SA  
2ABCPR.SA  
2ABSVR.SA

A 5" 130mm - B 0.07" 1.8mm - C 0.04" 1.0mm



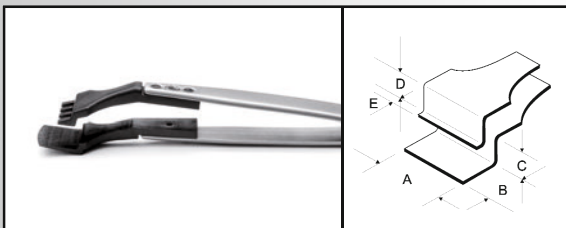
2AXCFR.SA  
2AXCPR.SA  
2AXSVR.SA

A 5" 130mm - B 0.07" 1.8mm - C 0.04" 1.0mm



2WFCPR.SA

A 0.25" 6.6mm - B 0.41" 10.5mm - C 0.08" 2.0mm  
D 0.14" 3.5mm - E 0.18" 4.5mm



4WFCPR.SA

A 0.47" 12mm - B 0.41" 10.5mm - C 0.08" 2.0mm  
D 0.14" 3.5mm - E 0.18" 4.5mm



5CFR.SA  
5CPR.SA  
5SVR.SA

A 5" 130mm - B 0.02" 0.5mm - C 0.025" 0.6mm



5XCFR.SA  
5XCPR.SA  
5XSVR.SA

A 5" 130mm - B 0.02" 0.5mm - C 0.025" 0.6mm



7CFR.SA  
7CPR.SA  
7SVR.SA

A 5" 130mm - B 0.025" 0.6mm - C 0.025" 0.6mm



242CFR.SA  
242CPR.SA  
242SVR.SA

A 5" 130mm - B 0.055" 1.4mm - C 0.045" 1.2mm



246CFR.SA

A 5" 130mm - B 0.025" 0.6mm - C 0.03" 0.8mm  
D 0.35" 9.0mm - E 45°



249CFR.SA  
249CPR.SA  
249SVR.SA

A 5" 130mm - B 0.09" 2.2mm - C 0.09" 2.2mm



259CFR.SA  
259CPR.SA  
259SVR.SA

A 5" 130mm - B 0.025" 0.6mm - C 0.04" 1.0mm

### Replaceable Tip Sets Part Numbers

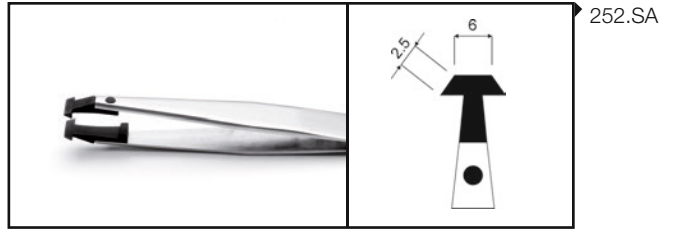
	00	2A	2AB	2WF	4WF	5	7	242	246	249	259
<b>CF</b>	A00CF	A2ACF	A2ABCF			A5CF	A7CF	A242CF	A246CF	A249CF	A259CF
<b>CP</b>	A00CP	A2ACP	A2ABCP	A2WFCP	A4WFCP	A5CP	A7CP	A242CP		A249CP	A259CP
<b>SV</b>	A00SV	A2ASV	A2ABSV			A5SV	A7SV	A242SV		A249SV	A259SV

## Soft Tip Tweezers

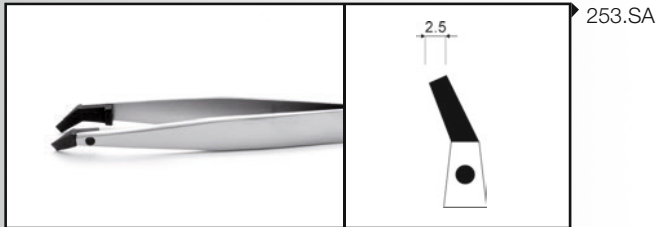
Carbofib soft tweezers (CF), scratched proof specifically designed to handle sensitive parts. CF Technical data are available on page 36 or at [www.ideal-tek.com](http://www.ideal-tek.com)



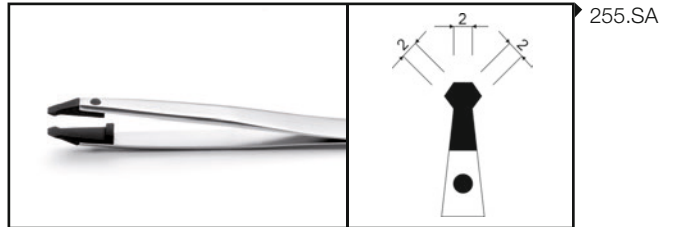
4 1/4" 110mm



4 1/4" 110mm



4 1/4" 110mm



4 1/4" 110mm

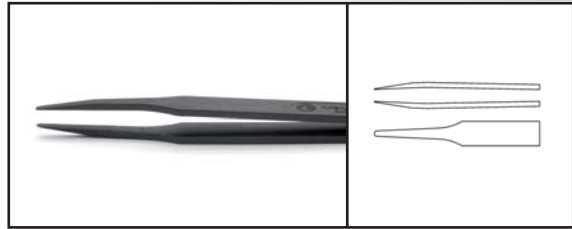
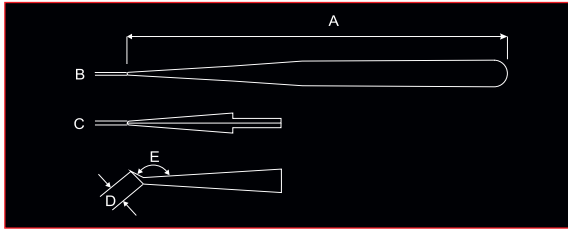
## Material ESD test procedures

- Point to point resistance
- Surface resistance
- Static decay analysis
- Triboelectric charge determination

# Plastic Tweezers

High precision plastic tweezers available in four different materials for various applications. Technical data are available on page 36 or at [www.ideal-tek.com](http://www.ideal-tek.com) for more information and chemical data charts.

MOQ : 100 pcs



702A.CF  
702A.DG  
702A.SV

A 4 1/2" 115mm - B 0.08" 2.0mm - C 0.04" 1.0mm



705.CF  
705.DG  
705.SV

A 4 1/2" 115mm - B 0.02" 0.5mm - C 0.025" 0.6mm



707.CF  
707.DG  
707.SV

A 4 1/2" 115mm - B 0.02" 0.5mm - C 0.045" 1.2mm



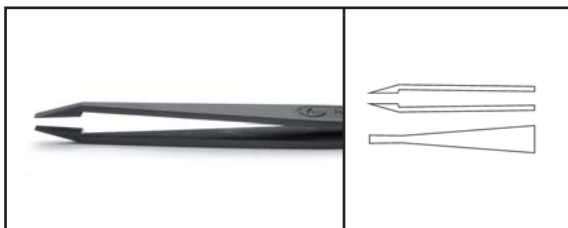
707A.CF  
707A.DG  
707A.SV

A 4 1/2" 115mm - B 0.025" 0.6mm - C 0.04" 1.0mm



708.CF  
708.DG  
708.SV

A 4 1/2" 115mm - B 0.02" 0.5mm - C 0.04" 1.0mm  
D 0.35 9.0mm - E 45°



709.CF  
709.DG  
709.SV

A 4 1/2" 115mm - B 0.013" 3.3mm - C 0.02" 0.5mm



710.CF  
710.DG  
710.SV

A 4 1/2" 115mm - B 0.03" 7.7mm - C 0.02" 0.5mm

# Ergonomic ESD Cushion Grip Tweezers

Anti-magnetic precision tweezers with soft ESD ergonomic cushion grips (resistivity 10E8) for an enhanced operator comfort. For more information on our ESD Ergonomic Handle (DR) see page 37.



00.SA.DR

5" 125mm  
flat edges, thick



2A.SA.DR

5" 125mm  
strong, sharp, rounded tips



3.SA.DR

5" 125mm  
very sharp and superior finish



3C.SA.DR

4 1/2" 115mm  
very sharp and superior finish



5.SA.DR

4 1/2" 115mm  
extra fine tips



7.SA.DR

4 3/4" 120mm  
fine curved tips



AA.SA.DR

5" 130mm  
precision tips



# Ergonomic ESD Foam Grip Tweezers

Anti-magnetic precision tweezers with soft ESD ergonomic foam grips (resistivity 10E8) for an enhanced operator comfort. For more information on our ESD Ergonomic Handle (DN) see page 37.



00.SA.DN

5" 125mm  
flat edges, thick



2A.SA.DN

5" 125mm  
strong, sharp, rounded tips



3.SA.DN

5" 125mm  
very sharp and superior finish



3C.SA.DN

4 1/2" 115mm  
very sharp and superior finish



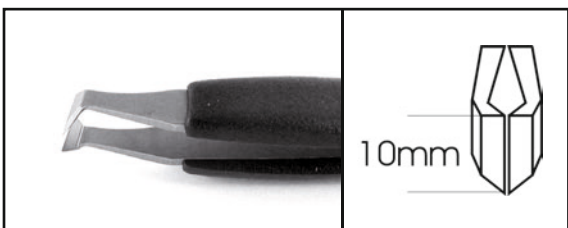
5.SA.DN

4 1/2" 115mm  
extra fine tips



7.SA.DN

4 3/4" 120mm  
fine curved tips



15AGW.DN

4 3/4" 120mm  
for cutting hairsprings



AA.SA.DN

5" 130mm  
precision tips

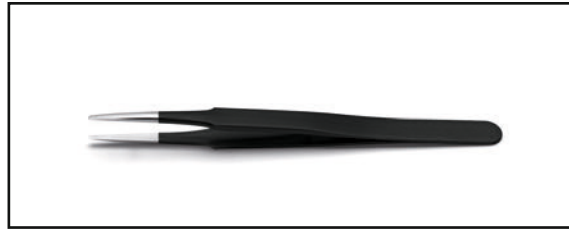
# ESD Epoxy Precision Tweezers

Anti-magnetic precision tweezers with ESD Epoxy grips (resistivity 10E5-10E6) for an enhanced operator comfort. For more information on our ESD Epoxy coating (NE) see page 37 or at [www.ideal-tek.com](http://www.ideal-tek.com)



00.SA.NE

4 3/4" 120mm  
strong, flat edges, thick



2A.SA.NE

4 3/4" 120mm  
flat, accurate round tips



3.SA.NE

4 3/4" 120mm  
very sharp, fine



3C.SA.NE

4 1/4" 110mm  
as 3, short  
very sharp and superior finish



5.SA.NE

4 1/4" 110mm  
extra fine tips, superior finish



7.SA.NE

4 1/2" 115mm  
very fine, curved



AA.SA.NE

5" 130mm  
straight fine tips



SM108.SANE

4 1/2" 115mm  
for handling and positioning 2 and 3 lead SOT  
packages at 45° angle



SM108.SANE

4 3/4" 120mm  
for positioning and soldering 1mm wide components  
tips are grooved inside

# Flat Tip Tweezers

Smooth scratch proof tips usefull tips for handling electronic sensitive parts.



33A.SA

4 1/2" 115 mm  
flat round tips



34A.SA

4 3/4" 120 mm  
smooth to hold delicate parts



35A.SA

4 3/4" 120mm  
same use as 34A



125.SA

4 3/4" 120 mm  
smooth tips, no scratch



125A.SA

4 3/4" 120 mm  
Same as 125 but elongated tips



127.SA

4" 105mm  
thin, square tips

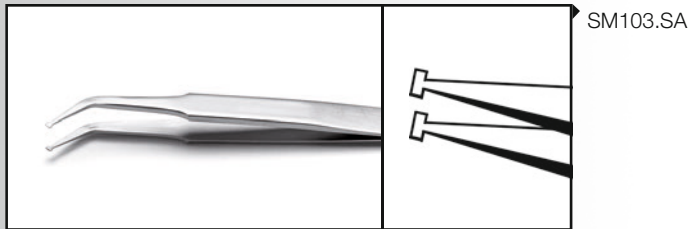


128.SA

4" 105mm  
same as 127, bent tips

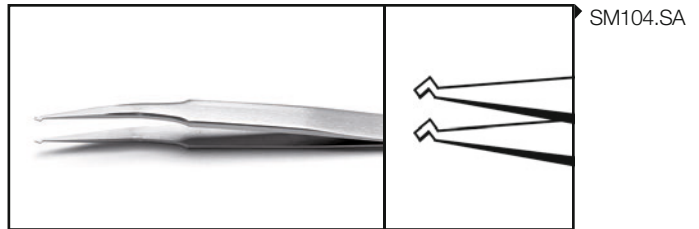
# SMD Tweezers

Smooth handling and positioning of all SMD components. Different tips and angles for specific jobs. Satin antiglare finish and ergonomic design. Modifications or special models available on request. Available as reverse action model.



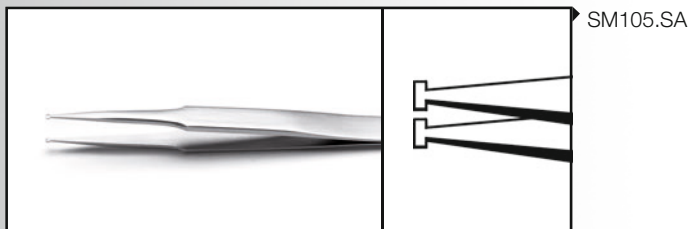
SM103.SA

4 1/2" 115mm  
for handling and positioning 2 and 3 lead SOT packages at 45° angle



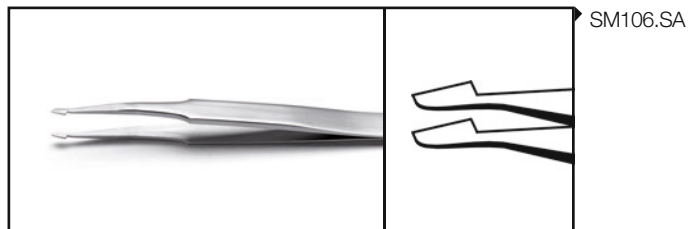
SM104.SA

4 3/4" 120mm  
for handling and positioning 3 lead SOT packages, monolithic chip capacitors, etc.



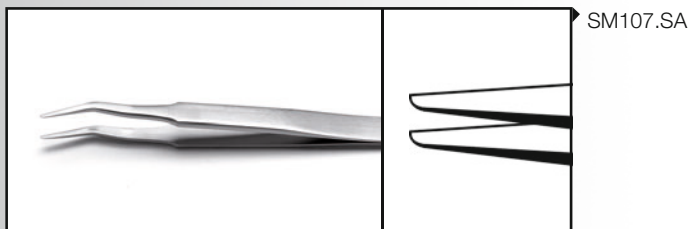
SM105.SA

4 3/4" 120mm  
special design for positioning all SOT packages vertically



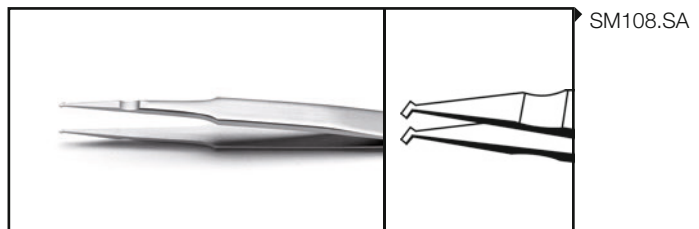
SM106.SA

4 3/4" 120mm  
for positioning all SOT packages horizontally with flat base tips (4 mm long)



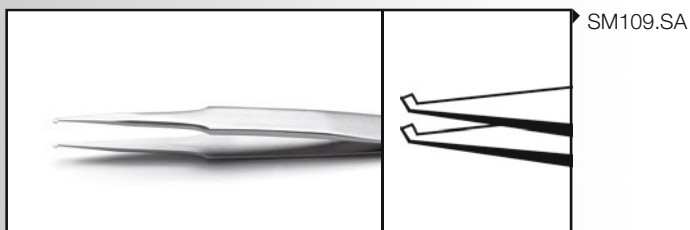
SM107.SA

4 3/4" 120mm  
for positioning all flat devices at 60° angle



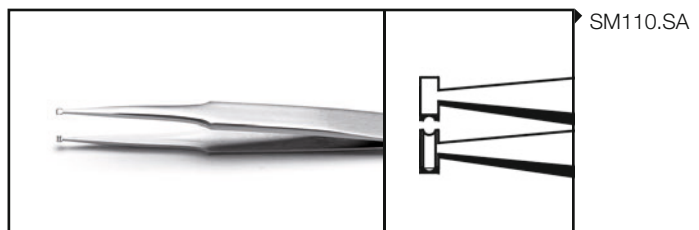
SM108.SA

4 3/4" 120mm  
for positioning and soldering 1mm wide components  
Tips are grooved inside



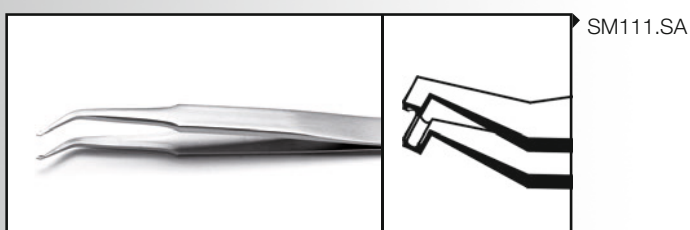
SM109.SA

4 3/4" 120mm  
same as SM108 but with 45° tips without anti-crush feature



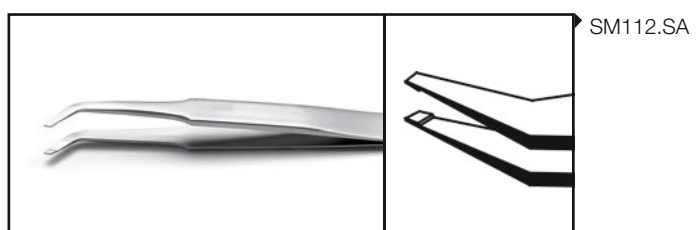
SM110.SA

4 3/4" 120mm  
for positioning monolithic chips capacitors, grooved tips



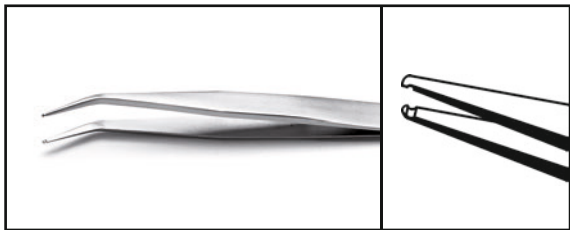
SM111.SA

4 3/4" 120mm  
for positioning 5 mm monolithic chip capacitors with flat base grooved tips (2 mm long)



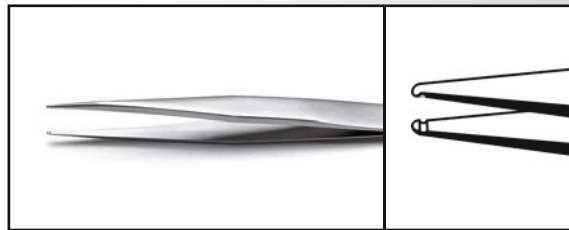
SM112.SA

4 3/4" 120mm  
for positioning 5 mm monolithic chip capacitors at 60°  
Grooved tips



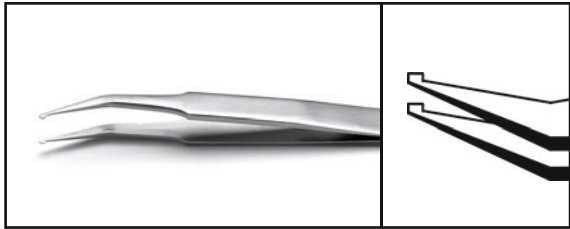
SM115.SA

4 3/4" 120mm  
grooved tips at 30° angle for holding and positioning cylindrical devices (up to 1 mm diam.)



SM116.SA

4 3/4" 120mm  
grooved straight tips. For vertical positioning of cylindrical devices (up to 1 mm diam. or more)



SM117.SA

4 3/4" 120mm  
for positioning SOT packages at 30° angle

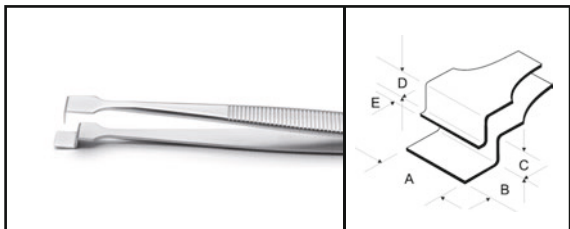


K5SMD.SA

SMD precision tweezers set  
SM103, SM107, SM108, SM111, SM115  
top quality hard/foam wallet

## Wafer Tweezers

Especially designed for use with delicate (very fragile) wafer, glass wafer,....  
Very firm yet anti-crush/anti-crack grip. Very smooth surface to satin finish (non glare).  
Teflon coating, plastic tips as well as special design to user's specifications are available.



2W.SA

A 0.25" 6.5mm - B 0.2" 5.0mm - C 0.10" 2.5mm  
D 0.15" 4.0mm



2WF.SA

A 0.25" 6.5mm - B 0.25" 9.0mm - C 0.10" 2.5mm  
D 0.15" 4.0mm - E 0.10" 2.5mm



2WFOPR.SA

A 0.25" 6.6mm - B 0.41" 10.5mm - C 0.08" 2.0mm  
D 0.14" 3.5mm - E 0.18" 4.5mm  
Replaceable tips set code: A2WFOPR



2WFG.SA

A 0.25" 6.5mm - B 0.35" 9.0mm - C 0.10" 2.5mm  
D 0.15" 4.0mm - E 0.10" 2.5mm



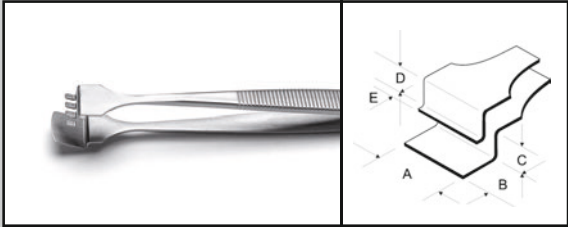
3WF.SA

A 0.37" 9.5mm - B 0.39" 10.0mm - C 0.10" 2.5mm  
D 0.15" 4.0mm - E 0.10" 2.5mm



3WFG.SA

A 0.37" 9.5mm - B 0.39" 10.0mm - C 0.10" 2.5mm  
D 0.15" 4.0mm - E 0.10" 2.5mm



4WF.SA

A 0.47" 12.0mm - B 0.33" 9.0mm - C 0.10" 2.5mm  
D 0.15" 4.0mm - E 0.1" 2.5mm



4WFCPR.SA

A 0.47" 12mm - B 0.41" 10.5mm - C 0.08" 2.0mm  
D 0.14" 3.5mm - E 0.18" 4.5mm  
Replaceable tips set code: A4WFCP



4WFG.SA

A 0.47" 12.0mm - B 0.35" 9.0mm - C 0.10" 2.5mm  
D 0.15" 4.0mm - E 0.1" 2.5mm



4WL.SA

A 0.47" 12.0mm - B 0.29" 7.5mm - C 0.12" 3.0mm  
D 0.15" 4.0mm - E 0.1" 2.5mm



5WF.SA

A 0.63" 16.0mm - B 0.33" 8.5mm - C 0.10" 2.5mm  
D 0.15" 4.0mm - E 0.10" 2.5mm



6WF.SA

A 0.78" 20.0mm - B 0.33" 8.5mm - C 0.10" 2.5mm  
D 0.15" 4.0mm - E 0.10" 2.5mm



8WF.SA

A 1.12" 28.5mm - B 0.47" 12.0mm - C 0.08" 2.2mm  
D 0.14" 3.5mm - E 0.10" 2.5mm



8WNY.SA  
8WT.SA

A 1.55" 65mm - B 0.75" 19mm - C 0.05" 1.3mm  
D 0.08" 2mm  
Nylon (NY) pads or teflon (T) pads



39FG.SA

A 0.47" 12.0mm - B 0.39" 10.5mm  
D 0.15" 4.0mm - E 0.10" 2.5mm



39S2.SA

A 0.25" 6.5mm - B 0.33" 8.5mm  
D 0.20" 5.5mm - E 0.09" 2.4mm



48WF.SA

A 1.1" 28.0mm - B 0.35" 9.0mm  
D 0.15" 4.0mm - E 0.10" 2.5mm



85C.SA

A 0.27" 7.0mm - B 0.17" 4.5mm - C 0.12" 3.0mm  
D 0.15" 4.0mm - E 0.08" 2.0mm



637L.SA



637SB.SA

A 0.23" 6.0mm - B 0.15" 4.0mm - E 0.15" 4.0mm

A 0.20" 5.0mm - B 0.05" 1.3mm - E 0.05" 1.3mm

### The right tweezers for your wafers

Wafer Size [inch]	Tip width [mm]	Model
2"	5 - 9,5	2W, 2WF, 2WFCPR, 2WFG, 39S2, 3WF, 3WFG, 637L, 637SB, 85C
3"	12	39FG, 4WF, 4WFCPR, 4WFG, 4WL,
4" - 5"	16	5WF
6"	20 - 28,5	48WF, 6WF, 8WF
8"	65	8WNY, 8WT

## Components Positioning Tweezers

Specifically designed to hold delicate components firmly and safely.



571.SA  
577.SA  
581.SA



572.SA  
578.SA  
582.SA

571 - 5 3/4" 145mm (ø 2.5-5mm)  
577 - 5" 125mm (ø 2mm)  
581 - 4 3/4" 120mm (ø 1mm)

572 - 5 3/4" 145mm (ø 2.5-5mm)  
578 - 5" 125mm (ø 2mm)  
582 - 4 3/4" 120mm (ø 1mm)



573.SA  
579.SA  
583.SA

573 - 5 3/4" 145mm (ø 2.5-5mm)  
579 - 5" 125mm (ø 2mm)  
583 - 4 3/4" 120mm (ø 1mm)

# Strong Tweezers

Comfortable and precision handling of electronic components for soldering operations. Available in straight or bent (Suffix B) version and various lengths. For very firm hold available in stainless steel (SA) or nickel plated (NP).



29.SA

6 1/2" 165mm  
Desoldering tweezers Strong blunt serrated tips



29D.SA

6" 155mm  
reverse action desoldering tweezers bent tips,  
to remove 14-16 pin DIP/IC



30.SA

6 1/2" 165mm  
Desoldering tweezers Strong blunt, bent serrated tips



30D.SA

6" 155mm  
reverse action desoldering tweezers straight tips,  
to remove 14-16 pin DIP/IC



7314.SA  
7314.NP

5 1/2" 140mm  
Very strong blunt serrated tips and grips



7314B.SA  
7314B.NP

5 1/2" 140mm  
Very strong blunt bent tips serrated tips and grips

Part number	Dimensions
7312, 7312B	4 3/4" 120mm
7313, 7313B	5" 130mm
7314, 7314B	5 1/2" 140mm
7316, 7316B	6 1/4" 160mm
7318, 7318B	7 1/4" 180mm
7320, 7320B	7 3/4" 200mm
7325, 7325B	9 3/4" 250mm
7330, 7330B	12" 300mm

All next models in the table are available in anti-magnetic stainless steel (SA) or nickel plated (NP)



# Jewellery Tweezers

Ideal-tek Jewellery tweezers Swiss Hand Made for diamonds and precious stones. 3 lines of high precision tweezers made of carbon steel with matt finishing or black chrome (suffix -ZN; ex.: FR-ZN). In our product range our customer can choose special tips with groove (suffix 1) or with locking system (suffix R) or both (suffix R1).

Now also available a new line **EG** with special satin finish on tips and grips, EG special finishing is available in stainless steel or in titanium. Please look at picture on page 34.



XF  
XF-EG  
XF-ZN

6 1/4" 160 mm  
Extra Fine tips with serrated tips and handles



F  
F-EG  
F-ZN

6 1/4" 160 mm  
Fine tips with serrated tips and handles



F1

6 1/4" 160 mm  
Fine tips with serrated tips and handles  
Groove



FR  
FR-ZN

6 1/4" 160 mm  
Fine tips with serrated tips and handles  
Locking system



M  
M-EG  
M-ZN

6 1/4" 160 mm  
Medium tips with serrated tips and handles



M1  
M1-ZN

6 1/4" 160 mm  
Medium tips with serrated tips and handles  
Groove



MR  
MR-ZN

6 1/4" 160 mm  
Medium tips with serrated tips and handles  
Locking system



MR1  
MR1-ZN

6 1/4" 160 mm  
Medium tips with serrated tips and handles  
Groove & Locking system



L  
L-EG  
L-ZN

6 1/4" 160 mm  
Large tips with serrated tips and handles



L1  
L1-ZN

6 1/4" 160 mm  
Large tips with serrated tips and handles  
Groove



LR  
LR-ZN

6 1/4" 160 mm  
Large tips with serrated tips and handles  
Locking system



LR1  
LR1-ZN

6 1/4" 160 mm  
Large tips with serrated tips and handles  
Groove & Locking system



XL  
XL-ZN

6 1/4" 160 mm  
Extra Large tips with serrated tips and handles



XL1  
XL1-ZN

6 1/4" 160 mm  
Extra Large tips with serrated tips and handles  
Groove



XLR  
XLR-ZN

6 1/4" 160 mm  
Extra Large tips with serrated tips and handles  
Locking system



XLR1  
XLR1-ZN

6 1/4" 160 mm  
Extra Large tips with serrated tips and handles  
Groove & Locking system



XXL  
XXL-ZN

6 1/4" 160 mm  
Extra Extra Large tips with serrated tips and handles



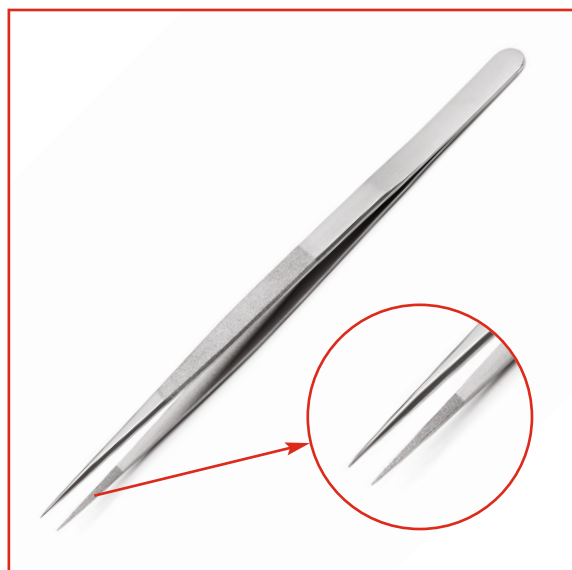
XXL1  
XXL1-ZN

6 1/4" 160 mm  
Extra Extra Large tips with serrated tips and handles  
Groove



ZN

Picture sample for ZN coating



EG

Picture sample for EG finishing

## **X-ON Electronics**

Largest Supplier of Electrical and Electronic Components

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[AM4023X](#) [EX2175](#) [3C.SA.DR.1](#) [14A.C.DR](#) [2A.NC](#) [3.NC](#) [3XCF.SA](#) [4.SA.DR](#) [5.SA.T](#) [51S.SA](#) [72MZ.SA](#) [8507](#) [2AMZ.SA.0](#) [3C.SA.NE.6](#)  
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