



idealtek s.a.
manufacturer of high precision tools and instruments



Engineered Handtools

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IDEAL-TEK, founded in 1965, is a Swiss company manufacturing high quality hand-tools.

Also manufactured are ceramic and engineering plastics tip tweezers. The entire marketing program includes desoldering tools, desoldering braid, vacuum pick-up kits and PC-board accessories.

Ideal-tek's **successful record** is due to a number of factors: popular and high quality products, a widespread and highly effective distribution network and a collaborative, synergetic and mutually beneficial relationship with distributors.



ideal-tek s.a. Chiasso, Switzerland

High productivity at all levels is achieved by giving human resources the best possible support in terms of office and manufacturing equipment.

Our investments continually focus on **research and development** of new solutions and applications.

Apart from a perfect tip alignment, surface finish is extremely important: the paddles or tips must have smooth edges and be highly polished and totally free of scratches or marks which could damage the components or the board itself. Saving money on tools is an expensive mistake because so much is at stake: **quality comes first**. Certified ISO 9002 since 1994.

Human approach and personal contact have always been the subject of special attention in the company's relations with customers and suppliers.



Tool Index

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259CFR	13	43WF	19	5WF	20	85B	20	SS	8
26	6	43WFG	19	5WL	20	85C	20	SS6	8
269CF	14	444W	19	5X	7	8WF	20	SSL	8
27	6	44W	19	5XCF	14	8WNY	20		

Materials

Steel and nonferrous alloys

AL	Aluminium alloy Anticorodal 110
BR	Brass
CA	Stainless, low carbon austenitic steel
N	Nonferrous alloy, Nickel silver 68-15
PB	Nonferrous alloy, Phosphor bronze
S	Stainless steel, martensitic higher carbon steel
SA	Stainless steel, low carbon austenitic steel
TA	Nonferrous alloy, Titanium Grade 1 (unalloyed titanium)

Coatings

TE	Teflon Superior antiscratch non-stick material. Insulative. Very high corrosion resistance. Continuous use temp. 260°C (500°F).
EP	Epoxy Good electrical insula- tion and resistance to chemicals. Antiglare. Continuous use temp. 150°C (300°F).
NE	Conductive epoxy good resistance to chemicals antiglare; continuous use temp. 150°C (300°F)
GP	Gold Plating Very high corrosion resistance. Smooth, antiscratch, antiglare, no tarnish finish
NP	Nickel Plating Superior corrosion resistance to saltwater, alkalies and organic acids.
CR	Chromium plating Good corrosion resistance to ambient atmosphere.
DR	Soft cushion grip static dissipative (ESDsafe). NBR vulcanized rubber
PB	Polished and burnished

Engineering plastics

CF	PA66/CF30 polyamide 66 reinforced with 30 wt% carbon fibre
DL	POM/GF30 acetal resin reinforced with 30 wt% glass fibre
RF	PET/GF30 polyethylene terephthalate reinforced with 30 wt% glass fibre
LR	PPS/GF30 polyphenylene sulfide reinforced with 30 wt% glass fibre
NY	PA66/GF30 polyamide 66 reinforced with 30 wt% glass fibre
SV	PVDF polyvinylidene fluoride carbon fiber reinforced
HC	POM/CF acetal resin carbon fibre modified

Ceramic

MZ	Zirconia toughened alumina (ZTA) Non-porous, superior toughness, corrosion and heat resistance. Insulative.
ZrO2	Stabilized zirconia (PSZ) Non-porous, superior toughness, corrosion and heat resistance. Insulative.

Code explanation

XXXXXX up to 6 digits part code	YY 2 letters handle material	ZZ 2 letters coating
Example: 2ASAEP 2A tweezer in antimagnetic stainless steel with epoxy coating		

Part code explanation for Fibre Tip and Ceramic Tip Tweezer

XXX up to 3 digits tweezer type	XX 2 letter tip material	X R for replaceable tip
Example: 2ACFR 2A tweezer with replaceable PA66/CF30 fibre tip		

High Precision & Ultra Fine Tweezers

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

carbon, stainless or antimagnetic/antiacid steel



0
4 3/4" 120 mm
flat edges, fine



00
4 3/4" 120 mm
flat edges, thick



000
4 3/4" 120 mm
Same as 00 with
radiused edges



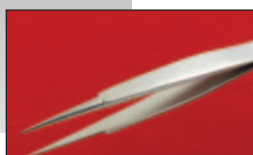
00B
4 3/4" 120 mm
Same as 00 with
serrated grips



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



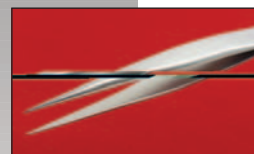
0A
4 3/4" 120 mm
Same as 0 with
radiused outside
edges fine tips



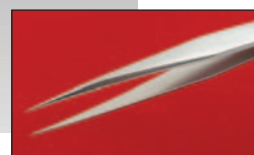
0C11
4 1/4" 110 mm
Flat edges, fine, short



0C9
3 1/2" 90 mm
Flat edges, fine,
short



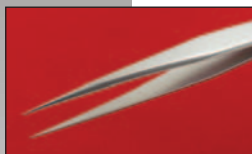
1
4 3/4" 120 mm
Accurate, strong



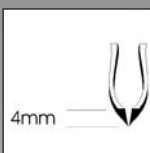
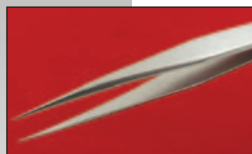
10G
4 1/4" 110 mm
Fine tips, general
purpose tweezers



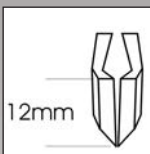
11
4 3/4" 120 mm
Nickel: strong tips



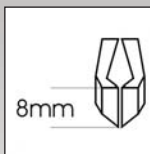
12
4 3/4" 120 mm
Nickel: fine tips



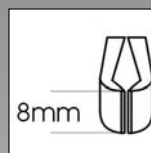
152
3 3/4" 98 mm
Miniature cutting tweezers



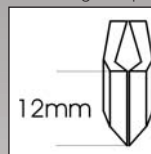
15A
4 1/2" 115 mm
For cutting hairsprings



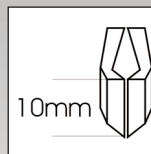
15AFW
4 1/2" 115 mm
For cutting hairsprings



15ANW
4 1/2" 115 mm
For cutting hairsprings



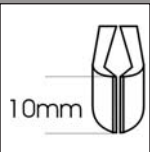
15AP
4 1/2" 115 mm
For cutting hairsprings



15AGW
4 1/2" 115 mm
For cutting hairsprings



HIGH PRECISION & ULTRA FINE TWEEZERS



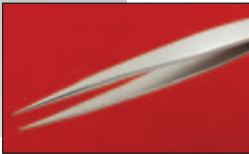
15ASW 4 1/2" 115 mm
For cutting hairsprings



2
4 3/4" 120 mm
Strong, sharp tips



26
5 1/4" 135 mm
Very strong, sharp tips



27
5 1/4" 135 mm
Strong, fine tips



2A
4 3/4" 120 mm
Flat, round tips



2AB
4 3/4" 120 mm
Tips as 2A but curved



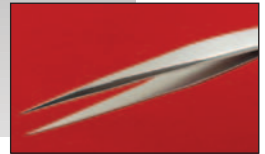
2AZ
4 3/4" 120 mm
Tips as 2A but "Z"-shaped



3
4 3/4" 120 mm
Very sharp and superior finish



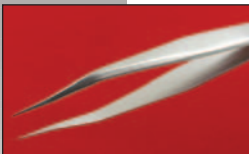
3C
4 1/4" 110 mm
Very sharp and superior finish



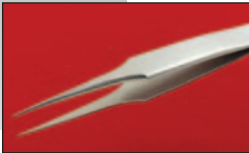
3CB
4 1/4" 110 mm
Same as 3C with bent tips



3F
4 3/4" 120 mm
Tips touching over 3 mm for holding tiny wires



4
4 1/4" 110 mm
Extra fine tips



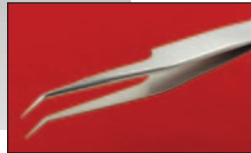
4A
4 1/4" 110 mm
Stronger



5
4 1/4" 110 mm
Extra fine tips



51S
4 1/2" 115 mm
Extra fine tips for miniature assembly



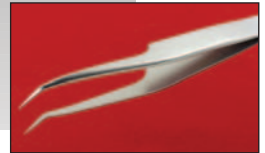
5A
4 1/2" 115 mm
Extra fine tips



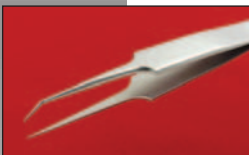
5B
4 1/4" 110 mm
Bent tips, max. visibility



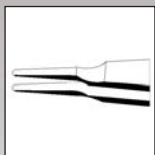
5C
4 1/2" 115 mm
Double bent tips



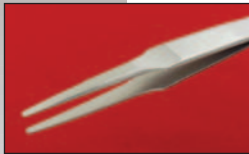
5TTH
4 1/4" 110 mm
Anticapillary extra fine tweezer with lock-ring for handling electronic microscope grids



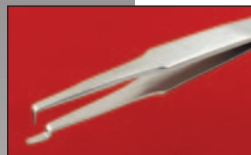
6
4 1/2" 115 mm
Fine angled tips



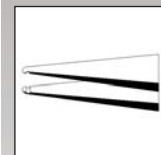
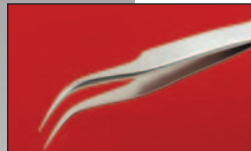
52A
4 3/4" 120 mm
Crush proof, smooth action design



62A
4 3/4" 120 mm
Flat, blunt tips



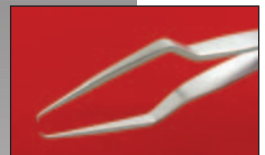
7
4 1/2" 115 mm
Fine curved tips



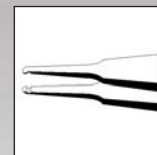
771
4 1/2" 115 mm
Grooved tips for tiny wires and tubes



773
5 1/2" 140 mm
Special design for better visibility



7A
4 1/2" 115 mm
Strong



777
4 1/2" 115 mm
Improved visibility for holding tiny wires

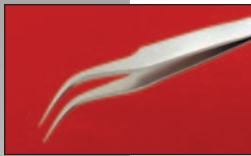


HIGH PRECISION & ULTRA FINE TWEEZERS

7B
4 1/2" 115 mm
Serrated tips



7E
4 1/2" 115 mm
Flat edges



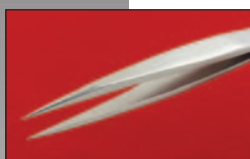
8
4 3/4" 120 mm
For straightening wires



H
3 1/2" 90 mm
Dovetailed tips, fine



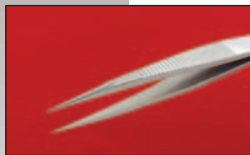
A
4 3/4" 120 mm
Strong, precision tips



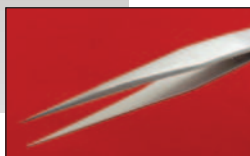
AB
4 3/4" 120 mm
Serrated grips



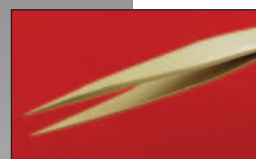
AC
4 1/4" 110 mm
Very strong tips, serrated grips



P
4 3/4" 120 mm



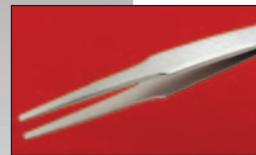
AM
4 3/4" 120 mm
Anti-sparking all brass tweezer



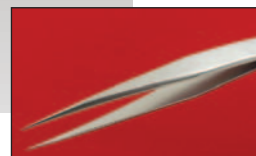
DSA
4 1/4" 110 mm
Strong flat



F
4 3/4" 120 mm
For flattening hands



S
4 3/4" 120 mm
Simple fine tips



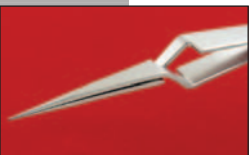
Reverse Action Tweezers

Specially intended for applications where a high precise self-closing action is required (e.g. microscopy).
Extra fine tips or other models available on request.

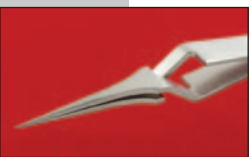
2AX
4 3/4" 120 mm
Style 2A



3X
4 3/4" 120 mm
Style 3



4X
4 1/4" 110 mm
Style 4

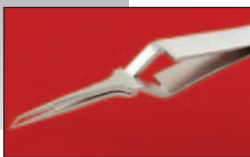


*Finest stainless/
antimagnetic steel*

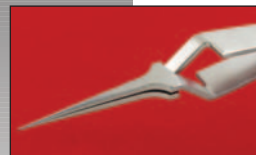
5AX
4 1/2" 115 mm
Style 5A



5TTHX
4 1/4" 110 mm
Style 5TTH
Anticapillary extra fine tips



5X
4 1/4" 110 mm
Style 5
Extra fine tips

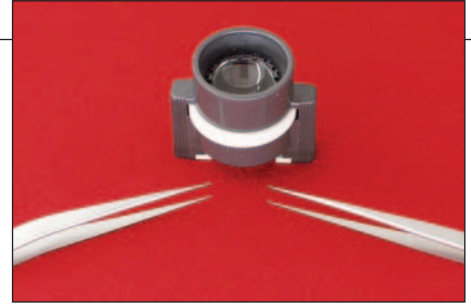


7X
4 1/2" 115 mm
Style 7



Super Slim Series

Long and slender tweezers for multiple precision applications especially suitable for working near heat sources



60
5 1/2" 140 mm
Relieved tips



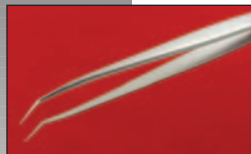
64A
5 1/2" 140 mm
Bent round tips



65A
5 1/2" 140 mm
Long, fine curved tips



66
5 1/2" 140 mm
Long, double bent tips



SS
5 1/2" 140 mm



SS6
6" 150 mm



SSL
6" 150 mm
Long, ergonomic shape



Ergonomic Tweezers

Ultra light weight and very soft tension. Provide relief from hand fatigue and Carpal Tunnel Syndrome. 5 different styles: aluminium handle with high precision SA Tips.

30% Less Weight, 50% Less Tension



E00SA AL
5 1/3" 136 mm
flat edges, thick



E2ASA AL
5 1/3" 136 mm
Flat, round tips



E3SA AL
5 1/3" 136 mm
Very sharp and superior finish



E5SA AL
5 1/3" 136 mm
Extra fine tips



E7SA AL
5 1/3" 136 mm
Fine curved tips



ERGONOMIC IDEAL-TEK E COMPARISON ANALYSIS									
Stainless Steel Tip/Aluminum Handles	WEIGHT		TENSION		LENGTH TOTAL				
	gms	oz	Tip gms	oz	Body gms	oz			
E 00 sa	10	0.352	20	0.705	30	1.058	135	5.1"	
E 2A sa	10	0.352	20	0.705	30	1.058	135	5.1"	
E 3 sa	9	0.317	20	0.705	40	1.410	135	5.1"	
E 5 sa	8.5	0.299	20	0.705	30	1.058	135	5.1"	
E 7 sa	9	0.317	20	0.705	30	1.058	135	5.1"	
Stainless Steel Tweezers									
IT 00 sa	22	0.776	190	6.702	330	11.640	120	4.7"	
IT 2A sa	15	0.529	70	2.469	130	4.585	120	4.7"	
IT 3 sa	14	0.493	70	2.469	100	3.527	120	4.7"	
IT 5 sa	13	0.458	80	2.821	160	5.643	110	4.3"	
IT 7 sa	14	0.493	80	2.821	140	4.938	115	4.5"	

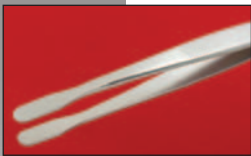
E = ERGONOMIC IDEAL-TEK
IT = IDEAL-TEK

*Measurements taken at finger pressure point. Closure capacity mm:

HIGH PRECISION & ULTRA FINE TWEEZERS

Flat Tip Tweezers

125
4 3/4" 120 mm
Smooth tips, no scratch



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



126
4 1/4" 110 mm
Round, flat tips



127
4" 105 mm
Thin, square tips



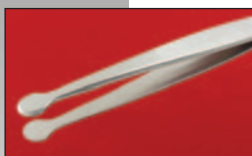
Serrated grips.

*Stainless or
antimagnetic/antiacid steel*

128
4" 105 mm
Same as 127 but bent tips



33A
4 1/2" 115 mm
Flat round tips



34A
4 3/4" 120 mm
Smooth to hold delicate parts



35A
4 3/4" 120 mm
Same use as 34A



36A
4 3/4" 120 mm
Same use as 34A and 35A



50
4 3/4" 120 mm
Flat narrow tips

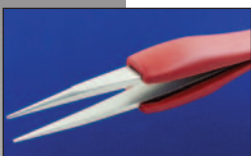


ESD Safe Tweezers

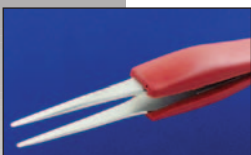
Soft ESD cushion grips (resistivity 10E8 ohm).
Protected design (mod. dep. 126848).
Ergonomically designed.



00SADR
4 3/4" 120 mm
flat edges, thick



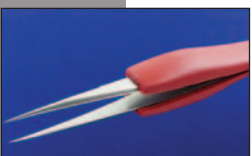
2ASADR
4 1/2" 115 mm
Strong, sharp tips



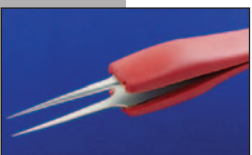
3CSADR
4 3/8" 110 mm
Very sharp and superior finish



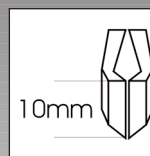
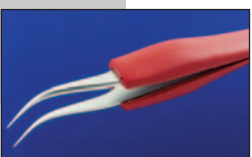
3SADR
4 3/4" 120 mm
Very sharp and superior finish



5SADR
4 3/8" 110 mm
Extra fine tips



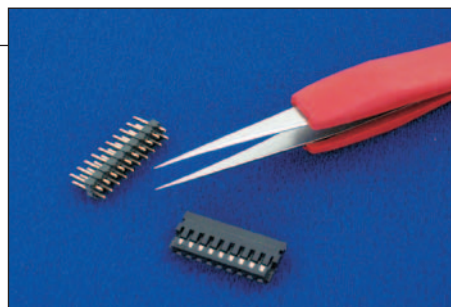
7SADR
4 1/2" 115 mm
Fine curved tips



15AGWDR
4 1/2" 115 mm
For cutting hairsprings

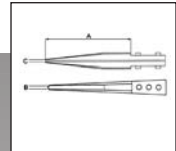


AASADR
5" 130 mm

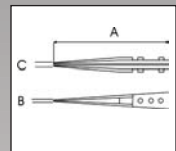


HIGH PRECISION & ULTRA FINE TWEEZERS

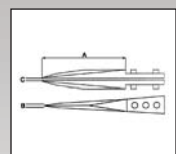
Ceramic Tip Tweezers



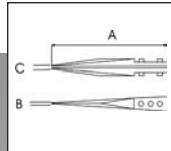
2AMZ
A: 35 mm 1.4"
B: 2.0 mm 0.08"
C: 0.6 mm 0.02"



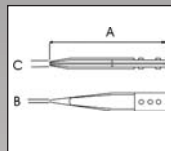
71MZ
A: 30 mm 1.2"
B: 0.3 mm 0.011"
C: 0.3 mm 0.011"



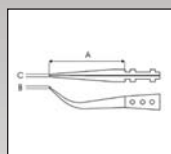
72MZ
A: 30 mm 1.2"
B: 0.2 mm 0.007"
C: 0.4 mm 0.016"



73MZ
A: 33 mm 1.3"
B: 0.3 mm 0.011"
C: 0.6 mm 0.02"



74MZ
A: 40 mm 1.6"
B: 0.5 mm 0.019"
C: 0.5 mm 0.019"

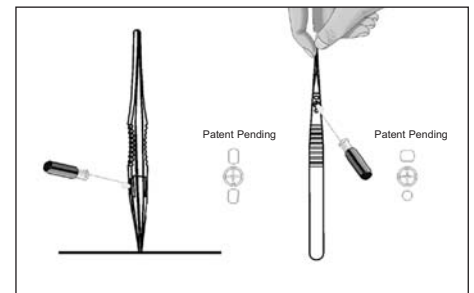


7MZ
A: 43.5 mm 1.7"
B: 0.6 mm 0.02"
C: 0.6 mm 0.02"



Zirconia ceramic precision tips.
Surface resistivity $10E12$ Ohm.
Contamination free, high
temperature (1000°C) wear and
solder resistant.
Aluminium Handle

Patent Pending No 1750/97,
Alignable replaceable tips

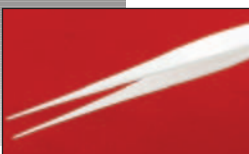


Ceramic Tweezers

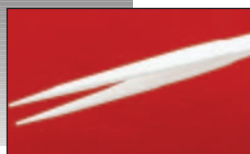
Best for working with acid (except HF), for SMD, solder pot,
high temperature exposure. Clean room approved.
Can be sterilized. Solder repellent.



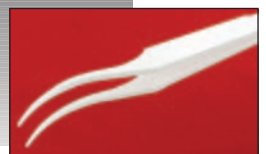
8501
Straight, tips 1mm,
serrated
5" 125 mm



8501FGG
Straight, very fine
tips, smooth
5" 125 mm



8507
Curved, shape of 7A,
fine tips, smooth
5" 125 mm

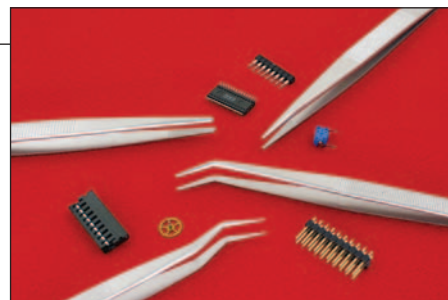


GENERAL PURPOSE TWEEZERS

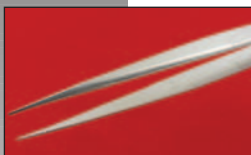
General Purpose Tweezers

Very accurate finish for a great variety of applications from electronics to dentistry and anatomy. Extremely accurate serration quality. Different lengths, thicknesses and angles for every application.

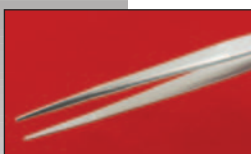
Stainless or antimagnetic/antiacid steel



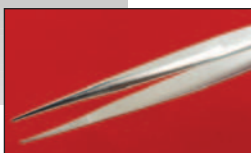
119
6" 150 mm
Fine Tips



119A
6" 150 mm
Same as 119 but stronger tips



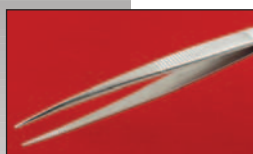
119L
7" 180 mm
Long, strong



120
6" 150 mm
Strong tips



120A
4 1/4" 110 mm
Short with fine, sturdy tips



121
6 1/4" 160 mm
Very strong, blunt tips



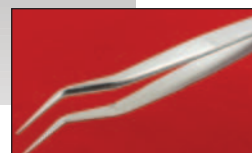
121M
6 1/4" 160 mm
Same as 121 but thinner tips



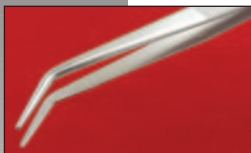
122
6" 150 mm
Fine, bent tips



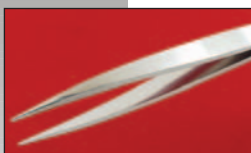
123
6" 150 mm
Fine, double-bent tips



124
6" 150 mm
Same as 122 but stronger tips



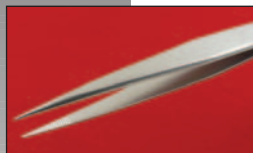
231
4 3/4" 120 mm



321
4 3/4" 120 mm



456
5" 130 mm
Serrated tips for electronic assembly



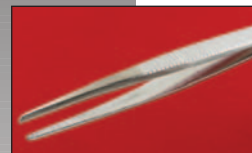
475
5 1/2" 140 mm



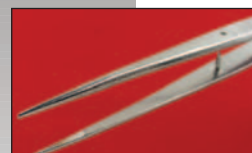
646
6" 150 mm



647
4 3/4" 120 mm



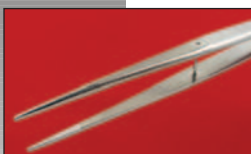
648
6" 150 mm



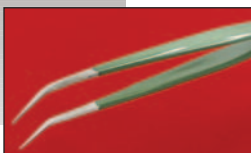
649
6" 150 mm



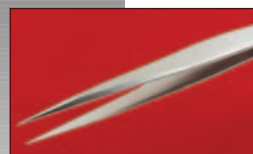
650
6" 150 mm



775
6 1/8" 155 mm
PVC coated handles



AASA
5" 130 mm



D
3 3/4" 94 mm



DF
6 1/4" 160 mm



PB
5 3/4" 145 mm
diam. 0.145" 3.6 mm
smaller diameters available



GENERAL PURPOSE TWEEZERS

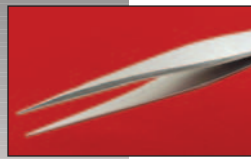
DM
6" 150 mm



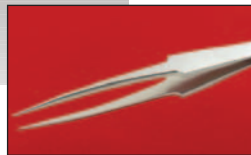
DS
7 1/4" 185 mm



RRSA
5 3/4" 145 mm



GGSA
5" 130 mm



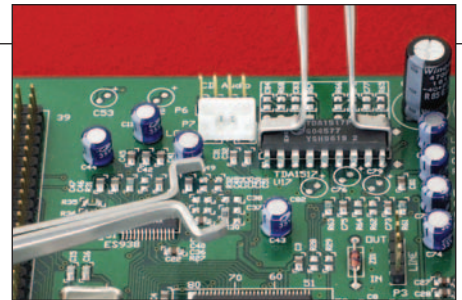
MMSA
5" 130 mm



Soldering Tweezers

Confortable and precision handling of electronics components for soldering and desoldering operations.

Antimagnetic/antiacid steel



29
6 1/2" 165 mm



29D
6" 150 mm



30
6" 150 mm



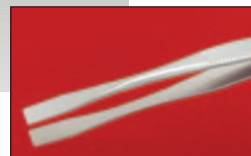
30D
6" 150 mm



31
4 3/4" 120 mm



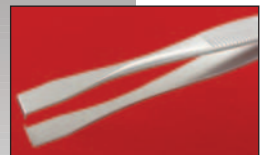
574
5 3/4" 145 mm



574A
5 3/4" 145 mm



574B
5 3/4" 145 mm
90° bent tips



57A
5 1/2" 140 mm
Chromplated

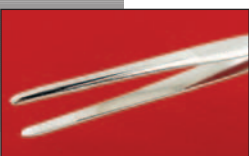


Strong Blunt Tweezers

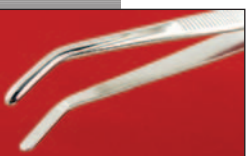
Available in straight or bent (suffix B) version. Various lengths (12-30 cm). Serrated for very firm hold.

Nickelplated. Stainless or antimagnetic/antiacid steel

7314
5" 130 mm



7314B
5" 130 mm

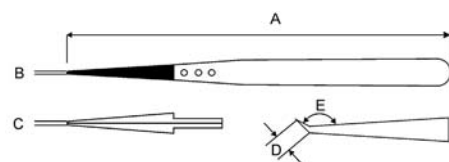
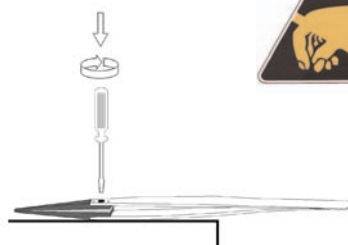


7312	4 3/4"	120 mm
7313	5"	130 mm
7314	5 1/2"	140 mm
7316	6 1/4"	160 mm
7318	7 1/4"	180 mm
7320	7 3/4"	200 mm
7325	9 3/4"	250 mm
7330	12"	300 mm

Fibre Replaceable Tip Tweezers

Handles in antimagnetic steel.
Different styles and configurations.
Special design on request.

*Different material available.
Look under Material 'Engineering
plastics' section*



00CFR
A 130 mm 5 1/8"
B 1.0 mm 0.04"
C 2.4 mm 0.09"



242CFR
A 130 mm 5 1/8"
B 1.45 mm 0.06"
C 1.0 mm 0.04"



246CFR
A 125 mm 4 7/8"
B 0.6 mm 0.04"
C 0.6 mm 0.09"
D 9.6 mm 0.4"
E 45°



249CFR
A 130 mm 5 1/8"
B 2.2 mm 0.09"
C 2.5 mm 0.10"
For glass diodes



259CFR
A 130 mm 5 1/8"
B 0.6 mm 0.02"
C 1.0 mm 0.04"



2ACFR
A 130 mm 5 1/8"
B 1.8 mm 0.07"
C 0.6 mm 0.02"



2AXCFR
A 125 mm 4 7/8"
B 1.8 mm 0.07"
C 0.6 mm 0.02"



3CFR
A 130 mm 5 1/8"
B 0.8 mm 0.03"
C 1.6 mm 0.06"



5CFR
A 130 mm 5 1/8"
B 0.6 mm 0.02"
C 0.6 mm 0.02"



5XCFR
A 115 mm 4 1/2"
B 0.6 mm 0.02"
C 0.6 mm 0.02"



2ABCFR
A 125 mm 4 7/8"
B 1.8 mm 0.07"
C 0.6 mm 0.02"



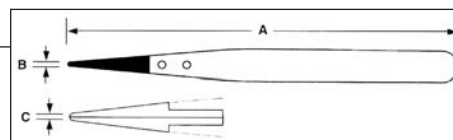
7CFR
A 125 mm 4 7/8"
B 0.6 mm 0.02"
C 1.0 mm 0.04"



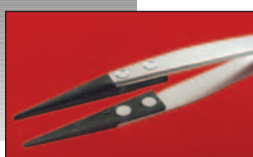
Fibre Tip Tweezers

Handles in antimagnetic steel. Different styles
and configurations. Special design on request.

*Different material available. Look under
Material 'Engineering plastics' section*



00CF
A 130 mm 5 1/8"
B 1.0 mm 0.04"
C 2.4 mm 0.09"



248CF
A 130 mm 5 1/8"
B 1.0 mm 0.04"
C 2.4 mm 0.09"
For ceramic
substrates



249CF
A 130 mm 5 1/8"
B 2.2 mm 0.09"
C 2.5 mm 0.10"
For glass diodes



ESD CONDUCTIVE TWEEZERS

259CF
A 130 mm 5 1/8"
B 1.0 mm 0.02"
C 2.4 mm 0.04"



269CF
A 130 mm 5 1/8"
B 3 mm 0.012"



2ACF
A 130 mm 5 1/8"
B 1.8 mm 0.07"
C 0.6 mm 0.02"



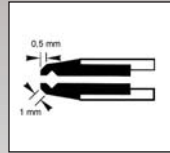
5XCF
A 115 mm 4 1/2"
B 0.6 mm 0.02"
C 0.6 mm 0.02"



2CF
A 130 mm 5 1/8"
B 1.8 mm 0.03"
C 0.6 mm 0.05"



3CCF
A 105 mm 4 1/8"
B 1.8 mm 0.03"
C 0.6 mm 0.05"



250CF
A 130 mm 5 1/8"
B 10 mm 3/8"
For glass diodes



3CF
A 130 mm 5 1/8"
B 0.8 mm 0.03"
C 1.6 mm 0.06"



3XCF
A 115 mm 4 1/2"
B 0.6 mm 0.02"
C 0.6 mm 0.02"

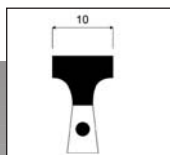
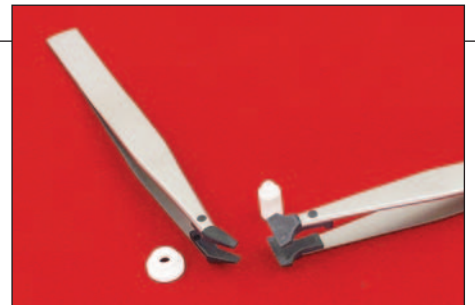


5CCF
A 105 mm 4 1/8"
B 0.6 mm 0.02"
C 0.6 mm 0.02"

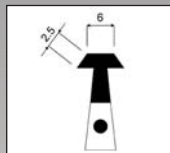


Soft Tip Tweezers

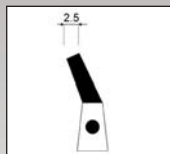
Soft, conductive carbon fibre tips for handling of delicate components e.g. Ceramic devices, SMD, wafers. Fully antimagnetic, antiacid and ESD safe. Special tip designs available on request.



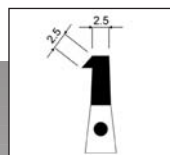
251
4 1/4" 110 mm



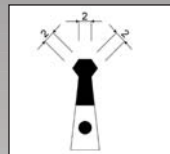
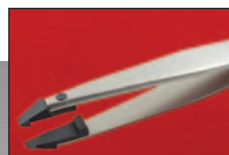
252
4 1/4" 110 mm



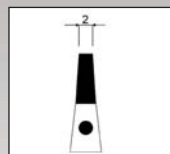
253
4 1/4" 110 mm



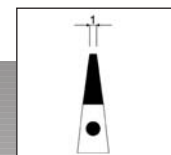
254
4 1/4" 110 mm



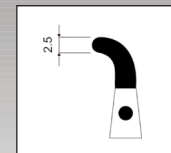
255
4 1/4" 110 mm



256
4 1/4" 110 mm



257
4 1/4" 110 mm



258
4 1/4" 110 mm

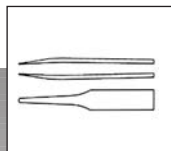


Synthetic Fibre Tweezers

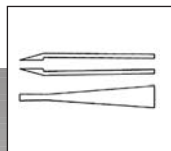
Precision synthetic fibre tweezer.

Different materials available.

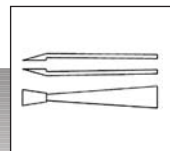
Look under Material 'Engineering plastics' section



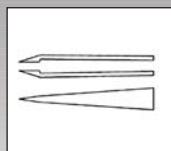
702A
4 5/8" 116 mm



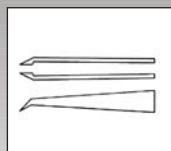
709
4 3/8" 116 mm



710
4 5/8" 116 mm



707
4 1/2" 114 mm



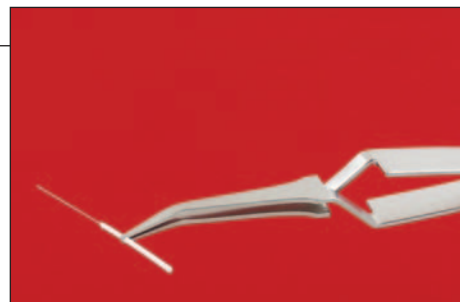
708
4 3/8" 110 mm



Optoelectronic Tweezers

Comfortable handling and positioning of fibre optic and micro-optical components

Antimagnetic/antiacid steel



55AC4
4 3/8" 111 mm., diam. 0.07" 1.8 mm



55ACX5
4 3/8" 111 mm, diam. 0.04" 1 mm



SM115
4 3/4" 120 mm, diam. 0.04" 1 mm



55AC5
4 3/8" 111 mm, diam. 0.04" 1 mm



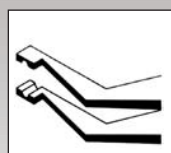
SM110
4 3/4" 120 mm, diam. 0.04" 1 mm



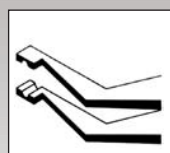
SM116
4 3/4" 120 mm, diam. 0.04" 1 mm



55ACX4
4 3/8" 111 mm, diam. 0.07" 1.8 mm



SM111X
4 3/4" 120 mm, diam. 0.04" 1 mm

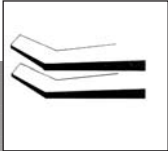
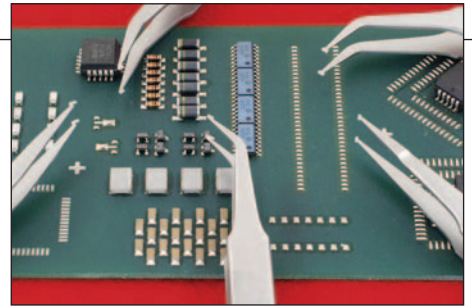


SM111
4 3/4" 120 mm, diam. 0.04" 1 mm



SMD Tweezers

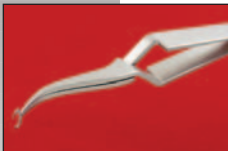
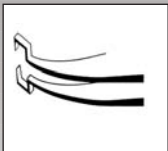
Smooth handling and positioning of all SMD components. Different tips and angles for specific jobs. Satin antiglare finish and ergonomic design. Modifications or special models available on request. Available as reverse action model.



SM100
4 1/2" 115 mm
Reverse action for handling
PCBs with SMDs



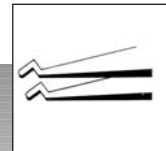
SM102
4 1/2" 115 mm
Reverse action. For soldering and
desoldering 20, 28, 44 and 68
LCCC and PLCC pad devices



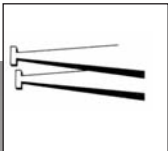
SM101
4 1/2" 115 mm
Reverse action. For soldering
and desoldering 8, 14 or 16
lead SMDs



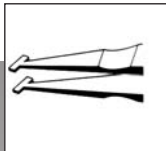
SM103
4 1/2" 115 mm
For handling and positioning 2
and 3 lead SOT packages at
45° angle



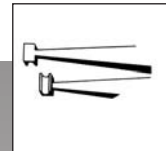
SM104
4 3/4" 115 mm
For handling and positioning 3
lead SOT packages, monolithic
chip capacitors, etc.



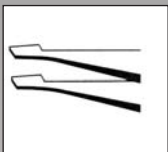
SM105
4 3/4" 120 mm
Special design for positioning all
SOT packages vertically



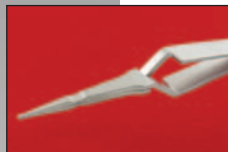
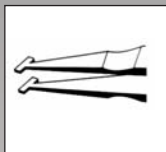
SM108
4 3/4" 120 mm
For positioning and soldering 1
mm wide components. Tips are
grooved inside.



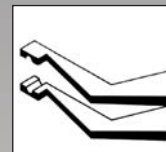
SM110
4 3/4" 120 mm
For positioning monolithic chip
capacitors. Grooved tips.



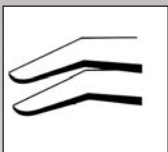
SM106
4 3/4" 120 mm
For positioning all SOT packages
horizontally. With flat base tips
(4 mm long)



SM108X
4 3/4" 120 mm
For positioning and soldering 1
mm wide components. Tips are
grooved inside.



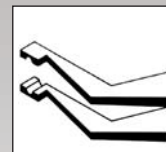
SM111
4 3/4" 120 mm
For positioning 5 mm monolithic
chip capacitors with flat base.
Grooved tips (2 mm long).



SM107
4 3/4" 120 mm
For positioning all flat devices
at 60° angle

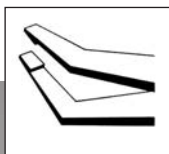


SM109
4 3/4" 120 mm
Same as SM108 but with 45° tips
and without anti-crush feature

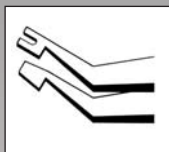


SM111X
4 3/4" 120 mm
For positioning 5 mm monolithic
chip capacitors with flat base.
Grooved tips (2 mm long).

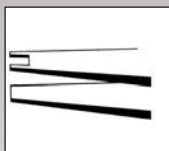
SPECIAL DESIGN TWEEZERS



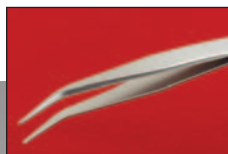
SM112
4 3/4" 120 mm
For positioning 5 mm monolithic chip capacitors at 60°. Grooved tips.



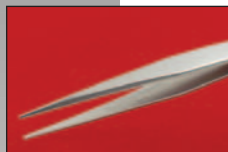
SM113
4 3/4" 120 mm
3mm long tips bent at 60° angle.
One forked blade for lead entry.



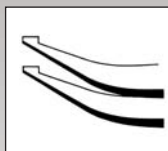
SM114
4 3/4" 120 mm
Same as SM113 but with straight tips for vertical holding.



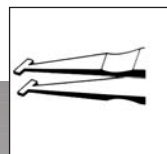
SM115
4 3/4" 120 mm
Grooved tips at 30° angle for holding and positioning cylindrical devices (up to 1 mm diam.)



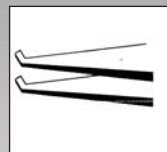
SM116
4 3/4" 120 mm
Grooved straight tips. For vertical positioning of cylindrical devices (up to 1 mm diam. or more)



SM117
4 3/4" 120 mm
For positioning SOT packages at 30° angle

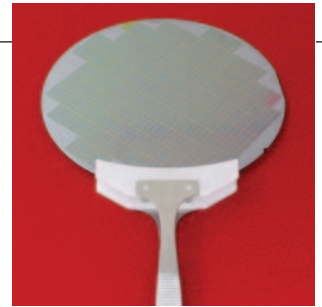
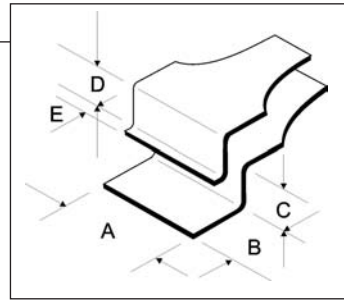


SM2
4 3/4" 120 mm
45° tips



SM3
4 3/4" 120 mm
For positioning and soldering 1 mm wide components. Tips are grooved inside.

Wafer Tweezers



Especially designed for use with delicate (very fragile) silicon wafers. Very firm yet anti-crush/anti-crack grip. Very smooth surface thanks to satin finish (non-glare). Different sizes for each wafer family. Teflon coating as well as special designs to user's specifications are available.

Antimagnetic/antiacid steel

2W
A 6,5 mm 0.25"
B 5,0 mm 0.20"
C 2,5 mm 0.10"
D 4,0 mm 0.15"



2WF
A 6,5 mm 0.25"
B 9,0 mm 0.25"
C 2,5 mm 0.10"
D 4,0 mm 0.15"
E 2,5 mm 0.10"



2WFG
A 6,5 mm 0.25"
B 9,0 mm 0.35"
C 2,5 mm 0.10"
D 4,0 mm 0.15"
E 2,5 mm 0.10"



2WL
A 6,5 mm 0.25"
B 9,0 mm 0.35"
C 2,5 mm 0.10"
D 4,0 mm 0.15"
E 2,5 mm 0.10"



35AP
A 7,0 mm 0.27"
B 4,0 mm 0.15"
E 4,0 mm 0.15"



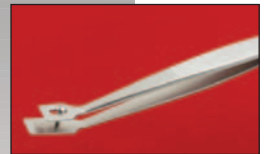
35B
A 12 mm 0.47"
B 13 mm 0.51"
D 2,5 mm 0.10"



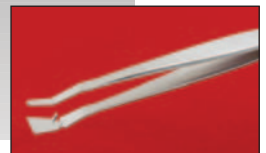
35S
A 29,0 mm 1.14"
B 5,5 mm 0.20"
D 3,0 mm 0.12"



36AP
A 6,0 mm 0.24"
B 7,0 mm 0.27"
E 2,0 mm 0.08"



37S
A 7,8 mm 0.30"
B 6,0 mm 0.24"
E 6,0 mm 0.24"



38FG
A 9,5 mm 0.37"
B 11,0 mm 0.43"
D 4,0 mm 0.15"
E 2,5 mm 0.10"



391
A 9,5 mm 0.37"
B 7,5 mm 0.29"
C 3,5 mm 0.14"
D 4,4 mm 0.17"
E 2,8 mm 0.11"



39FG
A 12,0 mm 0.47"
B 10,5 mm 0.39"
D 4,0 mm 0.15"
E 2,5 mm 0.10"



39S2
A 6,5 mm 0.25"
B 8,5 mm 0.33"
D 5,5 mm 0.20"
E 2,4 mm 0.09"



39S3
A 9,5 mm 0.37"
B 8,5 mm 0.23"
D 5,5 mm 0.20"
E 2,4 mm 0.09"



3W
A 9,5 mm 0.37"
B 10,0 mm 0.39"
C 2,5 mm 0.10"
D 4,0 mm 0.15"



3WF
A 9,5 mm 0.37"
B 10,0 mm 0.39"
C 2,5 mm 0.10"
D 4,0 mm 0.15"
E 2,5 mm 0.10"



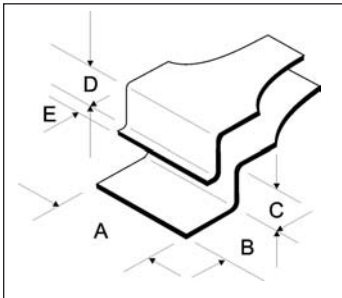
3WFG
A 9,5 mm 0.37"
B 10,0 mm 0.39"
C 2,5 mm 0.10"
D 4,0 mm 0.15"
E 2,5 mm 0.10"



3WL
A 9,5 mm 0.37"
B 10,0 mm 0.39"
C 2,5 mm 0.10"
D 4,0 mm 0.15"
E 2,5 mm 0.10"



SPECIAL DESIGN TWEEZERS



41W
A 28,0 mm 1.1"
B 12,0 mm 0.47"
D 5,0 mm 0.20"
E 5,0 mm 0.20"



42W
A 6,5 mm 0.25"
B 8,5 mm 0.33"
D 3,5 mm 0.14"
E 2,5 mm 0.10"



42WF
A 6,5 mm 0.25"
B 8,5 mm 0.33"
D 3,5 mm 0.14"
E 2,5 mm 0.10"



42WFG
A 6,5 mm 0.25"
B 8,5 mm 0.33"
D 3,5 mm 0.14"
E 2,5 mm 0.10"



43W
A 9,5 mm 0.37"
B 8,5 mm 0.33"
D 3,5 mm 0.14"
E 2,5 mm 0.10"



43WF
A 9,5 mm 0.37"
B 8,5 mm 0.33"
D 3,5 mm 0.14"
E 2,5 mm 0.10"



43WFG
A 9,5 mm 0.37"
B 8,5 mm 0.33"
D 3,5 mm 0.14"
E 2,5 mm 0.10"



444W
A 12,0 mm 0.47"
B 9,0 mm 0.35"
D 4,0 mm 0.15"



44W
A 12,0 mm 0.47"
B 9,0 mm 0.35"
D 3,0 mm 0.12"
E 2,5 mm 0.10"



44WF
A 12,0 mm 0.47"
B 8,5 mm 0.33"
D 3,5 mm 0.14"
E 2,5 mm 0.10"



44WFG
A 12,0 mm 0.47"
B 8,5 mm 0.33"
D 3,5 mm 0.14"
E 2,5 mm 0.10"



45W
A 16,0 mm 0.63"
B 7,5 mm 0.30"
D 3,5 mm 0.14"
E 2,5 mm 0.10"



45WF
A 16,0 mm 0.63"
B 7,5 mm 0.30"
D 3,5 mm 0.14"
E 2,5 mm 0.10"



46W
A 20,0 mm 0.79"
B 7,0 mm 0.27"
D 3,5 mm 0.14"
E 2,5 mm 0.10"



46WF
A 20,0 mm 0.79"
B 7,0 mm 0.27"
D 3,5 mm 0.14"
E 2,5 mm 0.10"



46WFG
A 20,0 mm 0.79"
B 7,0 mm 0.27"
D 3,5 mm 0.14"
E 2,5 mm 0.10"



48WF
A 28,0 mm 1.1"
B 9,0 mm 0.35"
D 4,0 mm 0.15"
E 2,5 mm 0.10"



4W
A 12,0 mm 0.47"
B 8,5 mm 0.33"
C 2,5 mm 0.10"
D 4,0 mm 0.15"



4WF
A 12,0 mm 0.47"
B 9,0 mm 0.33"
C 2,5 mm 0.10"
D 4,0 mm 0.15"
D 2,5 mm 0.10"



4WFG
A 12,0 mm 0.47"
B 9,0 mm 0.33"
C 2,5 mm 0.10"
D 4,0 mm 0.15"
D 2,5 mm 0.10"



4WL
A 12,0 mm 0.47"
B 7,5 mm 0.29"
C 3,0 mm 0.12"
D 4,0 mm 0.15"
D 2,5 mm 0.10"



55WFL
A 16,0 mm 0.63"
B 10,0 mm 0.39"
D 3,5 mm 0.14"
E 2,5 mm 0.10"

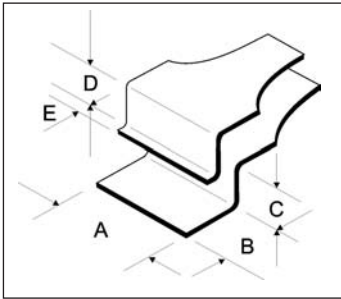


56WFL
A 20,0 mm 0.79"
B 8,0 mm 0.30"
D 3,5 mm 0.14"
E 2,5 mm 0.10"



58WFL
A 28,5 mm 1.12"
B 15,5 mm 0.61"
C 2,2 mm 0.09"
D 3,5 mm 0.14"
E 2,5 mm 0.10"





5WF
A 16,0 mm 0.63"
B 8,5 mm 0.33"
C 2,5 mm 0.10"
D 4,0 mm 0.15"
E 2,5 mm 0.10"



5WL
A 16,0 mm 0.63"
B 8,5 mm 0.33"
C 2,5 mm 0.10"
D 4,0 mm 0.15"
E 2,5 mm 0.10"



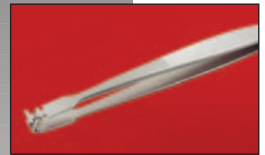
600M
A 20 mm 0.79"
B 11 mm 0.43"
E 2,3 mm 0.09"



637L
A 6,0 mm 0.23"
B 4,0 mm 0.15"
E 4,0 mm 0.15"



640B
A 5 mm 0.2"
B 1 mm 0.04"
E 1 mm 0.04"



637S
A 5,0 mm 0.20"
B 1,3 mm 0.05"
E 1,3 mm 0.05"



637SB
A 5,0 mm 0.20"
B 1,3 mm 0.05"
E 1,3 mm 0.05"



666A
A 9,3 mm 0.36"
B 5,5 mm 0.20"



667
A 16 mm 0.62"
B 6,3 mm 0.25"
E 6,3 mm 0.25"



6WF
A 20,0 mm 0.78"
B 8,5 mm 0.33"
C 2,5 mm 0.10"
D 4,0 mm 0.15"
E 2,5 mm 0.10"



6WL
A 20,0 mm 0.78"
B 8,5 mm 0.33"
C 2,5 mm 0.10"
D 4,0 mm 0.15"
E 2,5 mm 0.10"



85B
A 6,5 mm 0.25"
B 6,0 mm 0.25"
C 3,0 mm 0.12"
D 4,0 mm 0.15"
E 2,0 mm 0.08"



85C
A 7,0 mm 0.27"
B 4,5 mm 0.17"
C 3,0 mm 0.12"
D 4,0 mm 0.15"
E 2,0 mm 0.08"



8WF
A 28,5 mm 1.12"
B 12 mm 0.47"
C 2,2 mm 0.08"
D 3,5 mm 0.14"
E 2,5 mm 0.10"



8WNY
A 65 mm 2.55"
B 19 mm 0.75"
C 1,3 mm 0.05"
D 2 mm 0.08"



96
A 14,5 mm 0.57"
B 10,5 mm 0.41"
C 9,0 mm 0.35"



SP4T
A 12,0 mm 0.47"
B 8,5 mm 0.33"
D 6,5 mm 0.25"



SP4TP1
A 12,0 mm 0.47"
B 8,5 mm 0.33"
D 6,5 mm 0.25"



SP5T
A 16,0 mm 0.62"
B 7,5 mm 0.30"
D 6,5 mm 0.25"



SP6T
A 20,0 mm 0.68"
B 7,5 mm 0.30"
D 6,5 mm 0.25"



The SPXT wafer tweezers (SP4T, SP5T and SP6T) have been especially developed for the handling of very fragile and scratch sensitive wafer (silicon as well glass). These tweezers have a large lower paddle and a short upper paddle made of Teflon. In this way, although a very comfortable and precise handling is ensured, the upper surface is absolutely preserved.

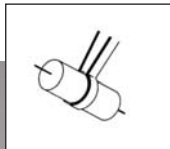
SPECIAL DESIGN TWEEZERS

Component Positioning Tweezers

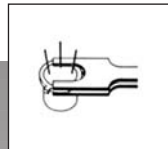
	571, 572, 573	577, 578, 579	581, 582, 583
Lenght	145 mm 5.70"	115 mm 4.50"	115 mm 4.50"
Tips	6 mm 0.23"	4 mm 0.15"	4 mm 0.15"
Components	2,5-5,0 mm 0.10"-0.20"	2,0 mm 0.08"	1,0 mm 0.04"



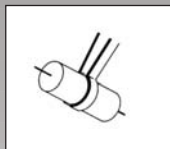
Antimagnetic/antiacid steel



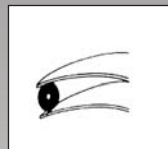
55A
1/2" 115 mm TO-18
58A
1/2" 115 mm TO-5



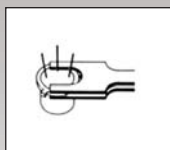
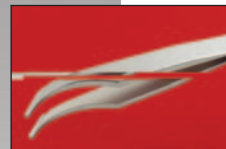
56AX
4 1/4" 110 mm



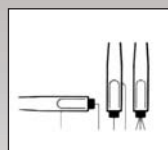
55AX
1/2" 115 mm TO-18



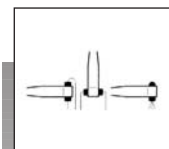
61A
4 1/4" 110 mm



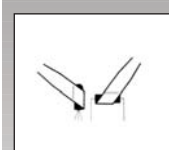
56A
4 3/4" 120 mm TO-18
59A
4 3/4" 120 mm TO-5



571



572



573



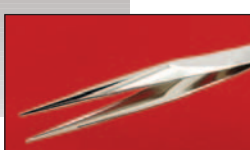
Nickelplated Tweezers



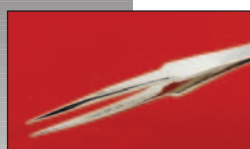
AA
5" 130 mm



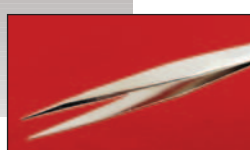
BB
4 3/4" 120 mm



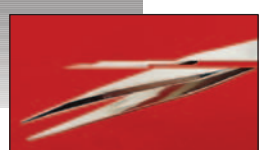
GG
5" 130 mm



MM
5" 130 mm



RR
5 3/4" 145 mm





Quality comes first

