ISO 9002

idealtek s.a.

manufacturer of high precision tools and instruments

Engineered Handtools

Catalogue

Index

ideal-tek s.a.

ideal-tek s.a. Chiasso, Switzerland

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.

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

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 insulation 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 terephtalate 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	**YY**	**ZZ**
up to 6 digits part code	2 letters handle material	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	**XX**	**X**
up to 3 digits tweezer type	2 letter tip material	R for replaceable

Example: **2ACFR**
2A tweezer with replaceable PA66/CF30 fibre tip

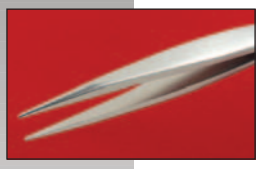
High Precision & Ultra Fine Tweezers

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



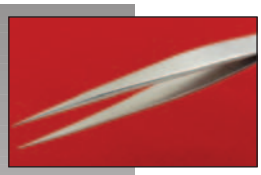
000
4 3/4"120 mm
Same as 00 with radiused edges

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 egdes fine tips

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

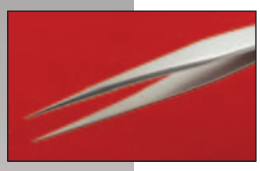


0C9
3 1/2" 90 mm
Flat edges, fine, short

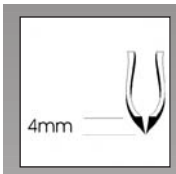
1
4 3/4" 120 mm
Accurate, strong

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

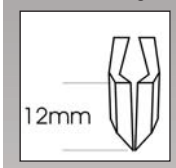
11
4 3/4" 120 mm
Nickel: strong tips



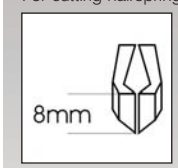
12
4 3/4" 120 mm
Nickel: fine tips



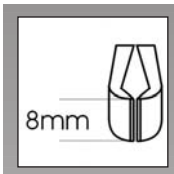
152
3 3/4" 98 mm
Miniature cutting tweezer



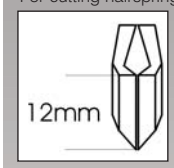
15A
4 1/2" 115 mm
For cutting hairsprings



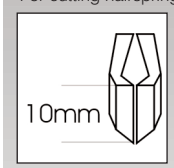
15AFW
4 1/2" 115 mm
For cutting hairsprings



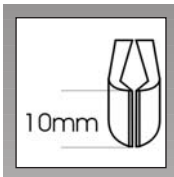
15ANW
4 1/2" 115 mm
For cutting hairsprings



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



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



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

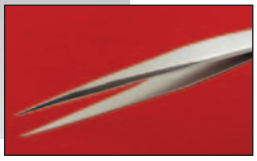
27
5 1/4" 135 mm
Strong, fine tips

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

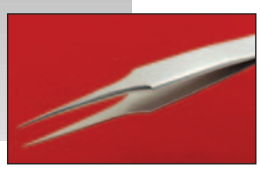
3
4 3/4" 120 mm
Very sharp and superior finish



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

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

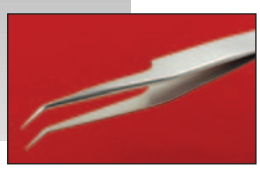
3F
4 3/4" 120 mm
Tips touching over 3 mm for holding tiny wires



4
4 1/4" 110 mm
Extra fine tips

4A
4 1/4" 110 mm
Stronger

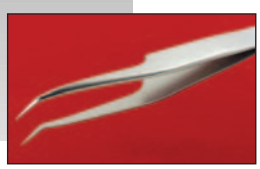
5
4 1/4" 110 mm
Extra fine tips



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

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

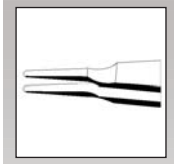
5B
4 1/4" 110 mm
Bent tips, max. visibility



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

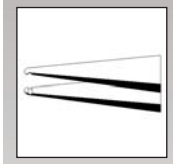
6
4 1/2" 115 mm
Fine angled tips



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

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

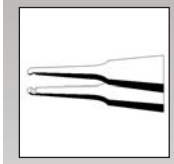
7
4 1/2" 115 mm
Fine curved tips



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



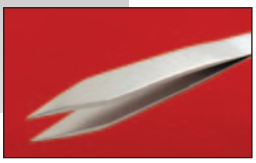
777
4 1/2" 115 mm
Improved visibility for holding tiny wires

7 B
4 1/2" 115 mm
Serrated tips

7 E
4 1/2" 115 mm
Flat edges

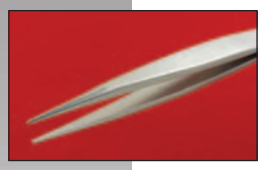
8
4 3/4" 120 mm
For straightening wires

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



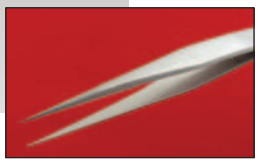
A
4 3/4" 120 mm
Strong, precision tips

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

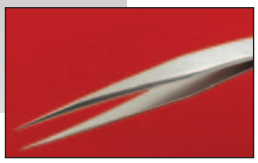


AM
4 3/4" 120 mm
Anti-sparking all brass tweezer

DSA
4 1/4" 110 mm
Strong flat

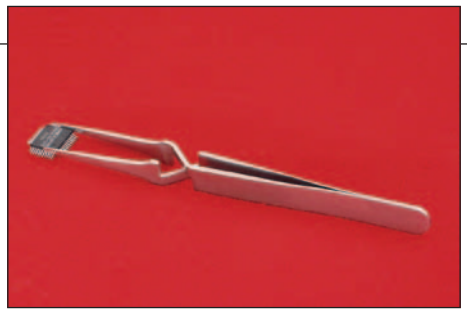
F
4 3/4" 120 mm
For flattening hands

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.

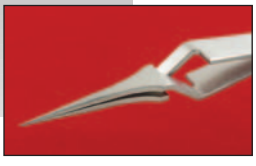


Finest stainless/ antimagnetic steel

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

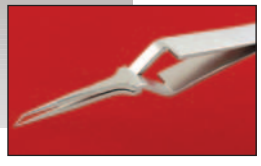
3 X
4 3/4" 120 mm
Style 3

4 X
4 1/4" 110 mm
Style 4



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

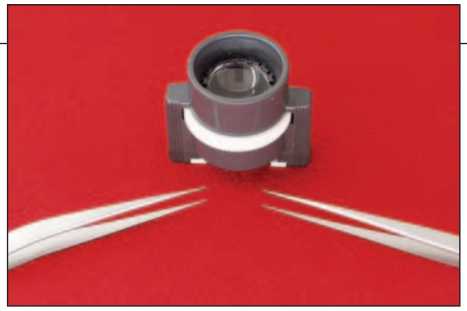
5 TTHX
4 1/4" 110 mm
Style 5TTH
Anticapillary extra fine tips



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

7 X
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

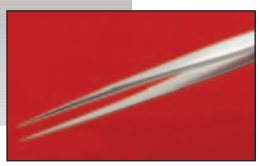
60
5 1/2" 140 mm
Relieved tips

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

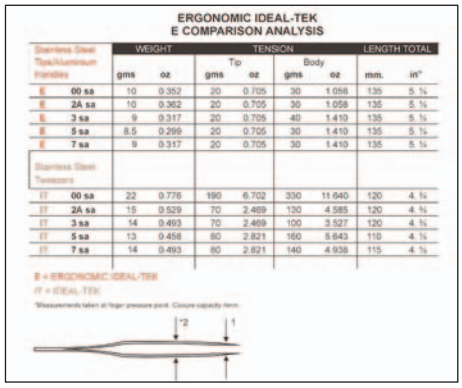
E3SA AL
5 1/3" 136 mm
Very sharp and superior finish

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

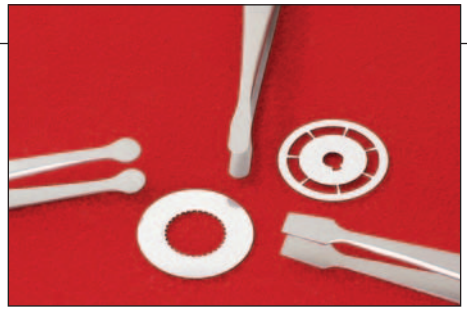
E7SA AL
5 1/3" 136 mm
Fine curved tips

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

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



Flat Tip Tweezers

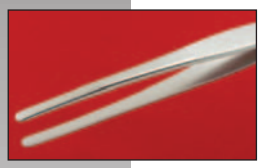


Serrated grips.

Stainless or antimagnetic/antiacid steel

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

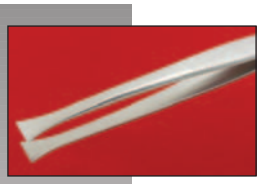
127
4" 105 mm
Thin, square tips

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

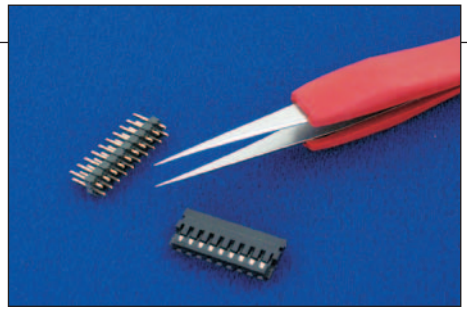
35A
4 3/4" 120 mm
Same use as 34A



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

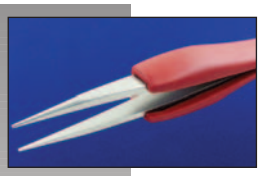
50
4 3/4" 120 mm
Flat narrow tips

ESD Safe Tweezers

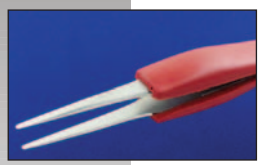


Soft ESD cushion grips (resistivity 10E8 ohm).
Protected design (mod. dep. 126848).
Ergonomically designed.

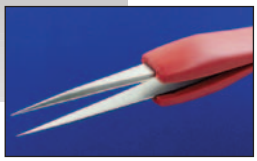
00SADR
4 3/4" 120 mm
flat edges, thick



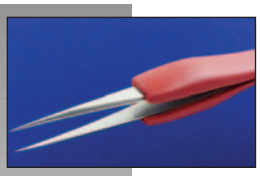
2ASADR
4 1/2" 115 mm
Strong, sharp tips



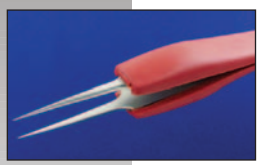
3CSADR
4 3/8" 110 mm
Very sharp and superior finish



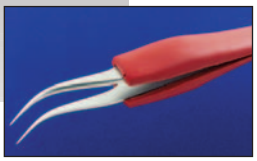
3SADR
4 3/4" 120 mm
Very sharp and superior finish

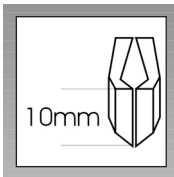


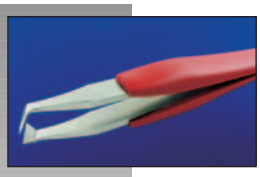
5SADR
4 3/8" 110 mm
Extra fine tips



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

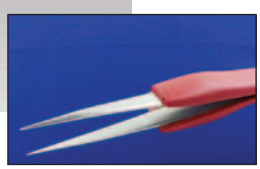




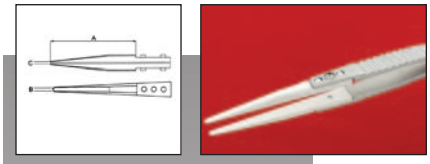


15AGWDR
4 1/2" 115 mm
For cutting hairspings

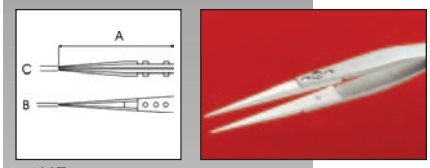
AASADR
5" 130 mm



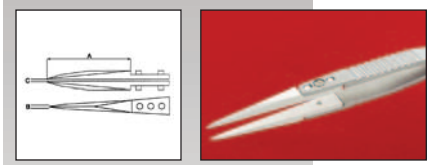
Ceramic Tip Tweezers



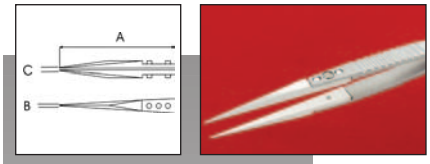
2AMZ
A: 35 mm 1.4"
B: 2.0 mm 0.08"
C: 0.6 mm 0.02"



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

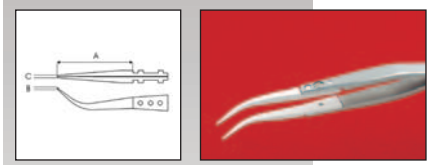


72MZ
A: 30 mm 1.2"
B: 0.2 mm 0.007"
C: 0.4 mm 0.016"



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

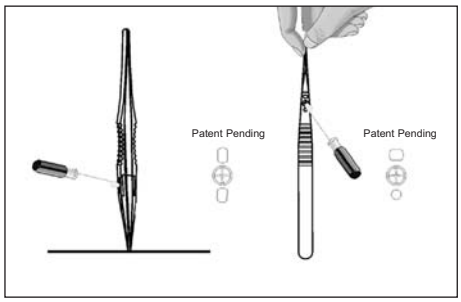
74MZ
A: 40 mm 1.6"
B: 0.5 mm 0.019"
C: 0.5 mm 0.019"



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

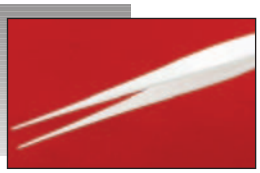
Patent Pending No 1750/97,
Alignable replaceable tips



Ceramic Tweezers

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

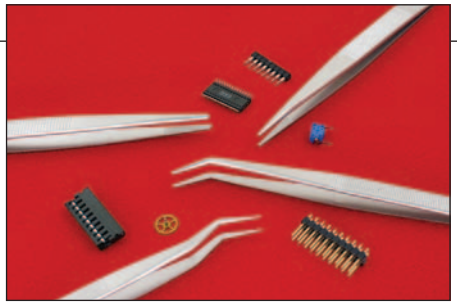
8501
Straight, tips 1mm, serrated
5" 125 mm



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

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

General Purpose Tweezers



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.

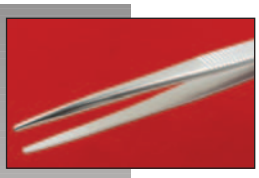
Stainless or antimagnetic/antiacid steel

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



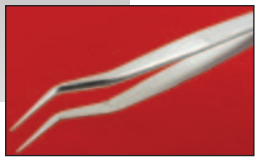
120A
4 1/4" 110 mm
Short with fine, sturdy tips

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

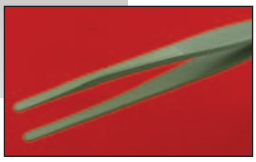
123
6" 150 mm
Fine, double-bent tips



124
6" 150 mm
Same as 122 but stronger tips

231
4 3/4" 120 mm

321
4 3/4" 120 mm



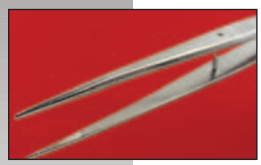
456
5" 130 mm
Serrated tips for electronic assembly

475
5 1/2" 140 mm

646
6" 150 mm

647
4 3/4" 120 mm

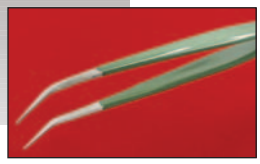
648
6" 150 mm



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

DM
6" 150 mm

DS
7 1/4" 185 mm

RRSA
5 3/4" 145 mm

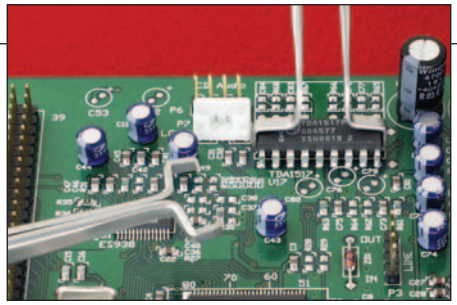
GGSA
5" 130 mm

MMSA
5" 130 mm

Soldering Tweezers

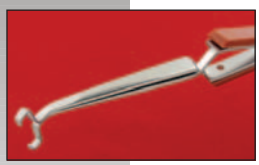
Confortable and precision handling of electronics components for soldering and desoldering operations.

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

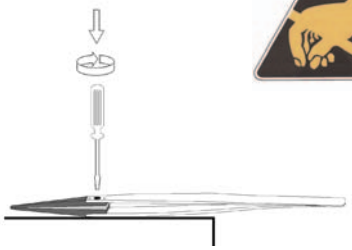
7314B
5" 130 mm

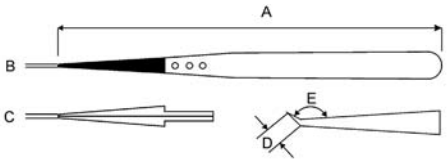
7312	4 3/4"	120 mm
7313	5"	130 mm
7314	5 1/2"	140 mm
7316	6 1/4	160 mm
7318	7 1/4"	180 mm
7320	7 3/4"	200 mm
7325	9 3/4"	250 mm
7330	12"	300 mm

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"

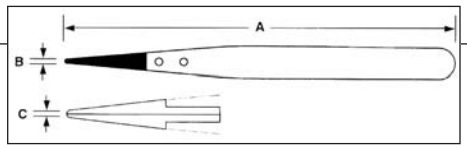
2ABCFR
A 125 mm 4 7/8"
B 1.8 mm 0.07"
C 0.6 mm 0.02"

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

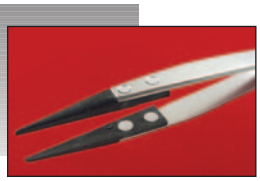
Fibre Tip Tweezers

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

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

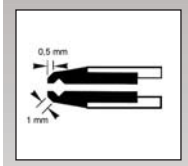
269CF
A 130 mm 5 1/8”
B 3 mm 0.012”

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

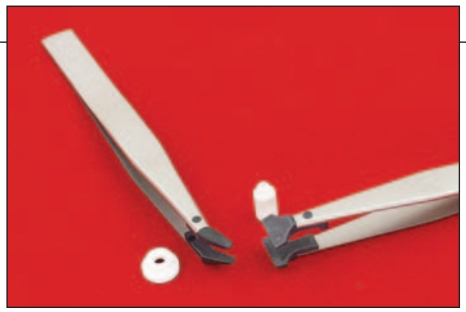
3CF
A 130 mm 5 1/8”
B 0.8 mm 0.03”
C 1.6 mm 0.06”

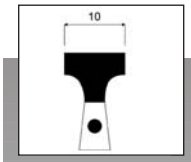
3XCF
A 115 mm 4 1/2”
B 0.6 mm 0.02”
C 0.6 mm 0.02”

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

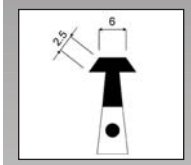
Soft Tip Tweezers

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.

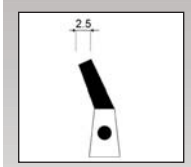


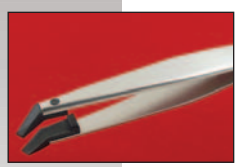


251
4 1/4“ 110 mm

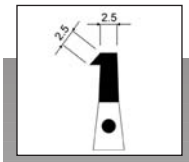


252
4 1/4“ 110 mm

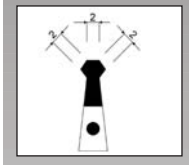




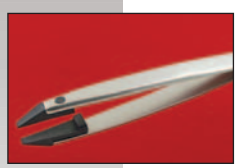
253
4 1/4“ 110 mm



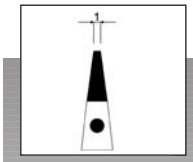
254
4 1/4“ 110 mm



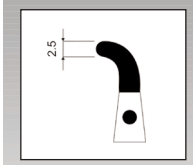
255
4 1/4“ 110 mm



256
4 1/4“ 110 mm



257
4 1/4“ 110 mm

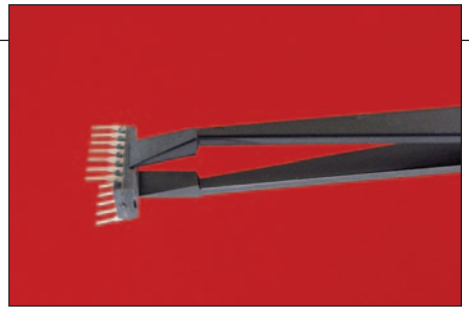


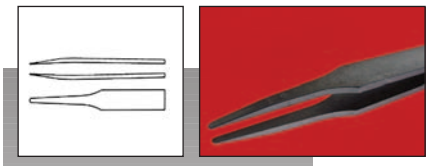
258
4 1/4“ 110 mm

Synthetic Fibre Tweezers

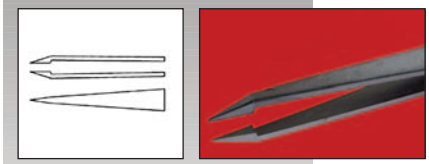
Precision synthetic fibre tweezer.

Different materials available.
Look under Material 'Engineering plastics' section

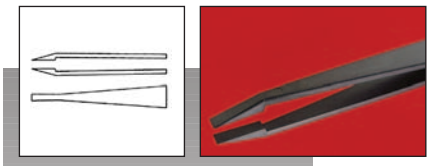




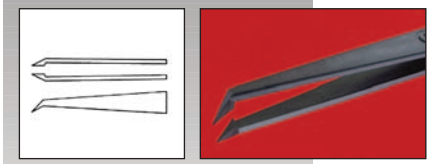
702A
4 5/8" 116 mm



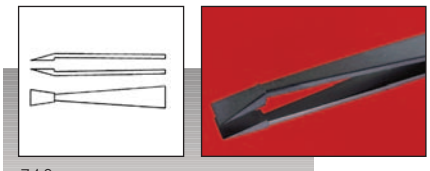
707
4 1/2" 114 mm



709
4 3/8" 116 mm



708
4 3/8" 110 mm

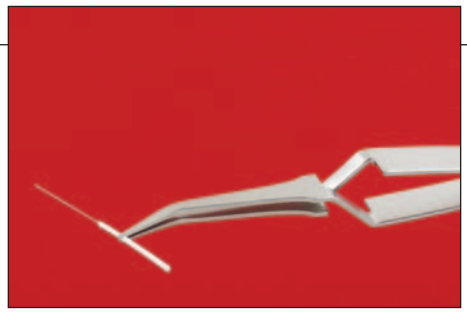


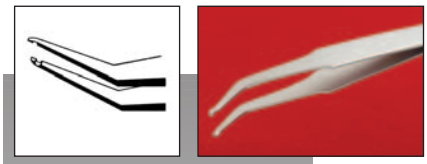
710
4 5/8" 116 mm

Optoelectronic Tweezers

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

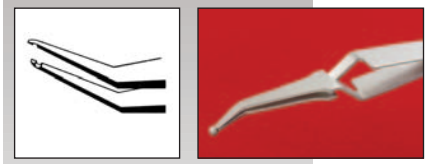
Antimagnetic/antiacid steel



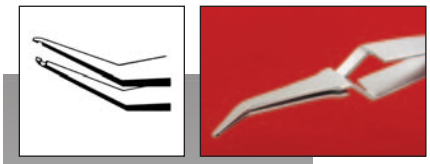


55AC4
4 3/8" 111 mm., diam. 0.07" 1.8 mm

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

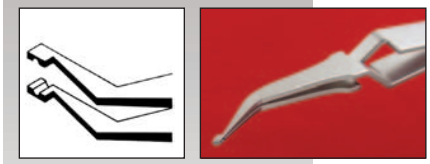


55ACX4
4 3/8" 111 mm, diam. 0.07" 1.8 mm

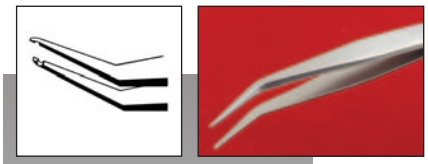


55ACX5
4 3/8" 111 mm, diam. 0.04" 1 mm

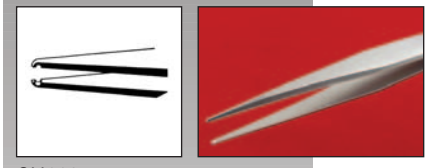
SM110
4 3/4" 120 mm, diam. 0.04" 1 mm



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



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

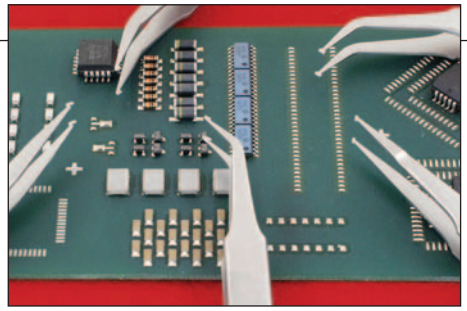


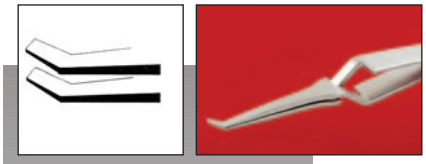
SM116
4 3/4" 120 mm, diam 0.04" 1 mm

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

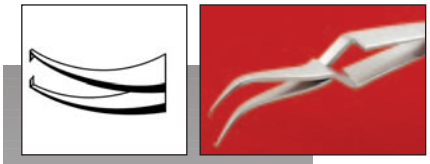
SMD Tweezers

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.





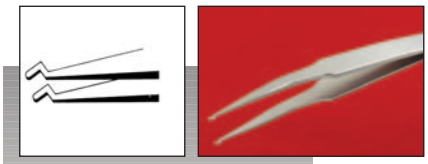
SM100
4 1/2" 115 mm
Reverse action for handling PCBs with SMDs



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

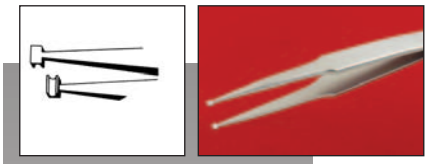
SM103
4 1/2" 115 mm
For handling and positioning 2 and 3 lead SOT packages at 45° angle



SM104
4 3/4" 120 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

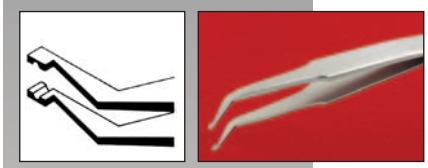
SM108
4 3/4" 120 mm
For positioning and soldering 1 mm wide components. Tips are grooved inside.



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

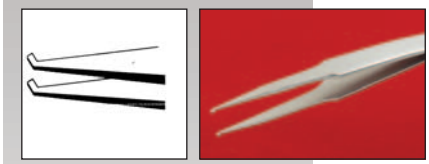
SM106
4 3/4" 120 mm
For positioning all SOT packages horizontally. With flat base tips (4 mm long)

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

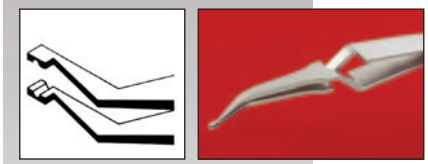


SM111
4 3/4" 120 mm
For positioning 5 mm monolithic chip capacitors with flat base. Grooved tips (2 mm long).

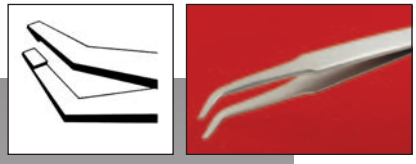
SM107
4 3/4" 120 mm
For positioning all flat devices at 60° angle



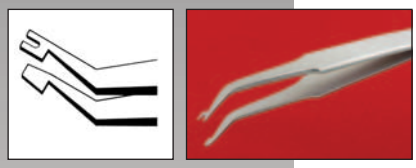
SM109
4 3/4" 120 mm
Same as SM108 but with 45° tips and without anti-crush feature



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

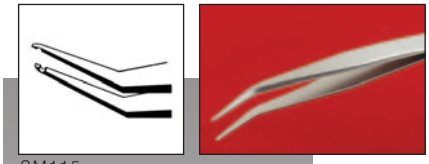


SM112
4 3/4" 120 mm
For positioning 5 mm monolithic chip capacitors at 60°. Grooved tips.

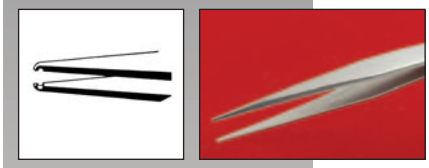


SM113
4 3/4" 120 mm
3mm long tips bent at 60° angle. One forked blade for lead entry.

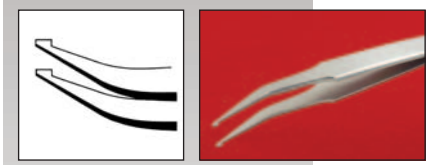
SM114
4 3/4" 120 mm
Same as SM113 but with straight tips for vertical holding.



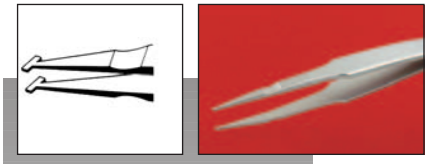
SM115
4 3/4" 120 mm
Grooved tips at 30° angle for holding and positioning cylindrical devices (up to 1 mm diam.)



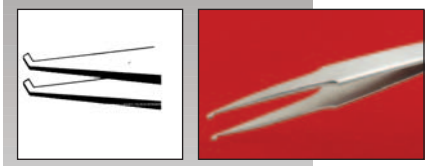
SM116
4 3/4" 120 mm
Grooved straight tips. For vertical positioning of cylindrical devices (up to 1 mm diam. or more)



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

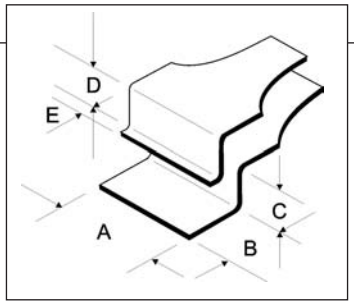


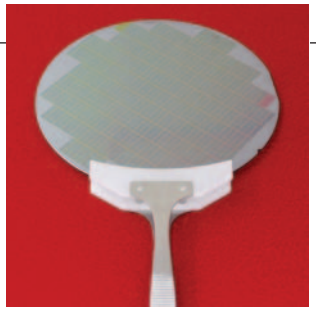
SM2
4 3/4" 120 mm
45° tips



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”

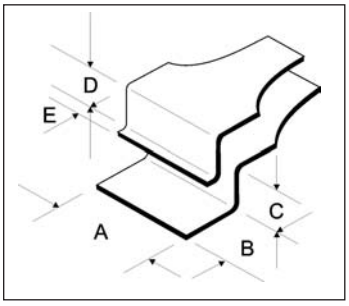
39S3
A 9,5 mm 0.37”
B 8,5 mm 0.23”
D 5,5 mm 0.20”
E 2,4 mm 0.09”

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”



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”

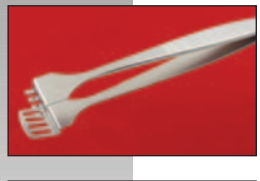
46WFG
A 20,0 mm 0.79”
B 7,0 mm 0.27”
D 3,5 mm 0.14”
E 2,5 mm 0.10”

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 0.35”
C 2,5 mm 0.10”
D 4,0 mm 0.15”
D 2,5 mm 0.10”

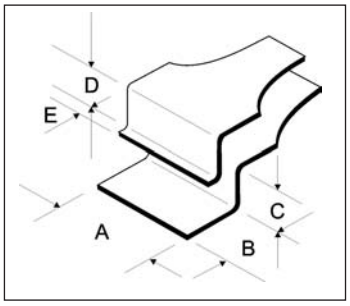


4WL
A 12,0 mm 0.47”
B 7,5 mm 0.29”
C 3,0 mm 0.12”
D 4,0 mm 0.15”
D 2,5 mm 0.10”

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”

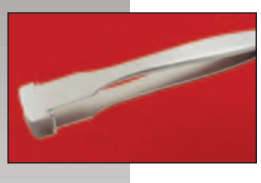
640B
A 5 mm 0.2”
B 1 mm 0.04”
E 1 mm 0.04”

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”

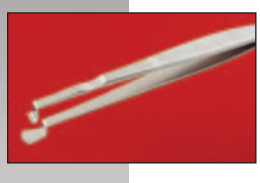
667
A 16 mm 0.62”
B 6,3 mm 0.25”
E 6,3 mm 0.25”



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”

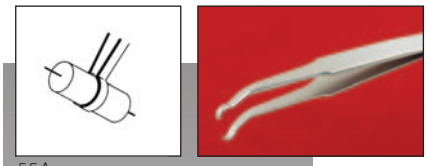
SP6T
A 20,0 mm 0.68”
B 7,5 mm 0.30”
D 6,5 mm 0.25”

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 confortable and precise handling is ensured, the upper surface is absolutely preserved.

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”

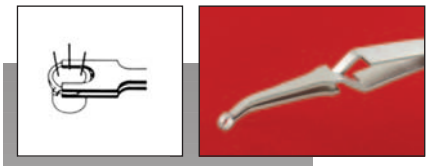
Antimagnetic/antiacid steel



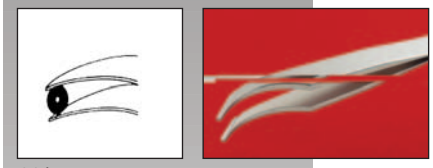
55A
1/2" 115 mm TO-18
58A
1/2" 115 mm TO-5

55AX
1/2" 115 mm TO-18

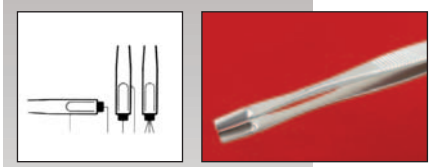
56A
4 3/4" 120 mm TO-18
59A
4 3/4" 120 mm TO-5



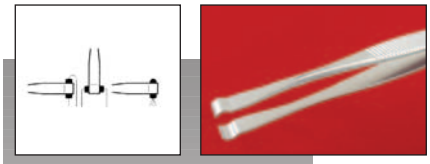
56AX
4 1/4" 110 mm



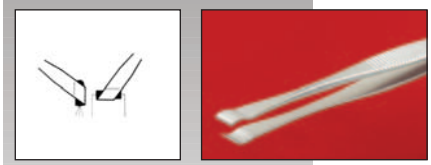
61A
4 1/4" 110 mm



571

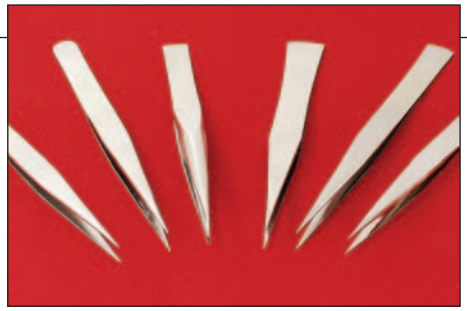


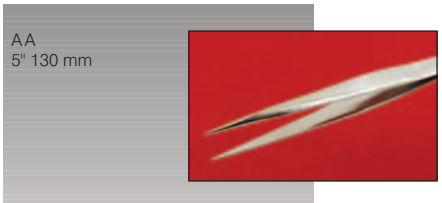
572



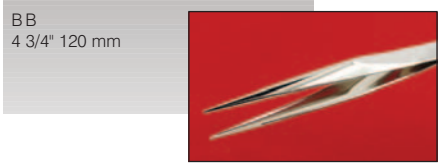
573

Nickelplated Tweezers



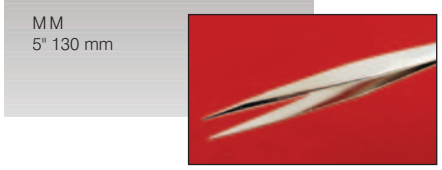


AA
5" 130 mm

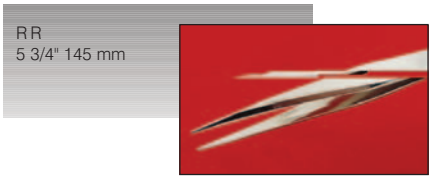


BB
4 3/4" 120 mm

GG
5" 130 mm



MM
5" 130 mm



RR
5 3/4" 145 mm

ISO 9002

Quality comes first