

EMS LINE OF TWEEZERS

High Precision and Ultra Fine Tweezers

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

- Low carbon austenitic steel (Material number 1.4435, DIN X2CrNiMo18-14-3, AISI number 316L)
- Contains from 16.5 to 18.5 wt% chromium and has important quantities of nickel and molybdenum as additional alloying elements
- Non-magnetizable
- Good corrosion resistance to most chemicals, salts and acids
- Generally used where corrosion resistance and toughness are primary requirements
- Typical applications include tweezers for the electronic industry, watch-makers, jewelers and laboratory and medical applications in moderately aggressive chemical environments

TIP DIMENSION GUIDE:



III Style 0

High precision tweezers with fine tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78310-0	Anti-Acid/Anti-Mag SS	0.10	0.15	each
78510-0	Superalloy AntiAcid/AntiMag	0.10	0.15	each

III Style 0R, Locking

Flat edges with fine tips and locking system. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78511-0R	Anti-Acid/Anti-Mag SS	0.10	0.15	each

III Style 00

High precision tweezers with strong, thick tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78311-00	Anti-Acid/Anti-Mag SS	0.50	0.90	each

III Style 00B

High precision tweezers with strong, thick tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78311-00B	Anti-Acid/Anti-Mag SS	0.55	0.90	each

III Style 00D

High precision tweezers with strong, thick tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78311-00D	Anti-Acid/Anti-Mag SS	0.45	0.90	each

III Style 000

High precision tweezers with fine tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78312-000	Anti-Acid/Anti-Mag SS	0.17	0.20	each

III Style 0C9

High precision tweezers with fine tips. Length: 90mm



Cat. No.	Material	A mm	B mm	Pkg.
78511-0C9	Anti-Acid/Anti-Mag SS	0.10	0.15	each

III Style 0A

Straight point with radiused outside edges, fine tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
72919-0A	Anti-Acid/Anti-Mag SS	0.10	0.15	each

III Style 1

High precision tweezers with fine tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78316-1	Anti-Acid/Anti-Mag SS	0.11	0.14	each
78516-1	Superalloy AntiAcid/AntiMag	0.1	0.15	each
78511-01	Titanium Alloy	0.1	0.15	each

III Style 1R, Locking

Strong, straight, fine tips, with locking system. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78511-1R	Anti-Acid/Anti-Mag SS	0.11	0.14	each

High Precision and Ultra Fine Tweezers (continued)

III Style 2

High precision tweezers with sharp, fine tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78317-2	Anti-Acid/Anti-Mag SS	0.07	0.13	each
78517-2	Superalloy AntiAcid/AntiMag	0.05	0.15	each

III Style 2A

High precision tweezers with flat, accurate, round tips. Provides a larger flat gripping surface for better handling of small objects without puncturing the membrane, wafer etc. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
72919-2A	Anti-Acid/Anti-Mag SS	0.07	1.70	each
72919-2ANC	Superalloy AntiAcid/AntiMag	0.05	1.65	each
72919-2ATe	Anti-Acid/Anti-Mag SS, "PTFE" Coating	0.07	1.70	each
72919-2ATa	Titanium Alloy	0.05	1.65	each

III Style 2B

High precision tweezers with flat, accurate, round tips. Provides a larger flat gripping surface for better handling of small objects without puncturing the membrane, wafer etc. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
72919-2AB	Anti-Acid/Anti-Mag SS	0.11	1.50	each
72919-2ABTe	Anti-Acid/Anti-Mag SS, "PVDF" Coating	0.11	1.50	each

III Style 2AZ

Same tips as 2A but 'Z' shaped. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78317-2AZ	Anti-Acid/Anti-Mag SS	0.10	1.65	each

III Style 2AR, Locking

Flat accurate round tips, with locking system. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78511-2AR	Anti-Acid/Anti-Mag SS	0.07	1.70	each

Technical Tip For our EM users, the tweezer styles #3, #3C, #4, #5, #51S, and 5B are all recommended for the precise handling of all EM grids.

III Style 3

High precision tweezers with very sharp, fine tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78318-3	Anti-Acid/Anti-Mag SS	0.09	0.16	each
78518-3	Superalloy AntiAcid/AntiMag	0.10	0.15	each
78318-3GP	Gold Plating	0.10	0.15	each
78512-3	Titanium Alloy	0.15	0.20	each

III Style 3C

High precision tweezers with very sharp, fine tips. Shorter than Style 3. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
78318-3C	Anti-Acid/Anti-Mag SS	0.10	0.20	each
78518-3C	Superalloy AntiAcid/AntiMag	0.10	0.20	each
78318-3CTa	Titanium Alloy	0.10	0.20	each
78512-3C	Carbon Steel	0.10	0.20	each

III Style 3CB

Very sharp, superior finish, bent tips. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
78318-3CB	Anti-Acid/Anti-Mag SS	0.10	0.20	each

III Style 3F

Tips touching over 3mm (parallel tips), useful for handling tiny wires. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78318-3F	Anti-Acid/Anti-Mag SS	0.10	0.20	each

III Style 3SA

Tips touching over 3mm (parallel tips), useful for handling tiny wires. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78318-3SAt	Anti-Acid/Anti-Mag SS, "PTFE" Coating	0.1	0.15	each

EMS LINE OF TWEEZERS

High Precision and Ultra Fine Tweezers (continued)

III Style 4

High precision tweezers with extra fine tips. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
78319-4	Anti-Acid/Anti-Mag SS	0.11	0.16	each
78519-4	Superalloy AntiAcid/AntiMag	0.10	0.15	each

III Style 4R, Locking

Straight, extra fine tips, superior finish, with locking system. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78512-4R	Anti-Acid/Anti-Mag SS	0.07	1.70	each

III Style 4A

Extra fine and strong tips. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
78319-4A	Anti-Acid/Anti-Mag SS	0.151	0.35	each

III Style 5

Extra fine tips, superior finish. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
78320-5	Anti-Acid/Anti-Mag SS	0.06	0.10	each
78520-5	Superalloy AntiAcid/AntiMag	0.06	0.10	each
78320-5Te	"PTFE" Coating	0.06	0.10	each
78320-5GP	Gold Plating	0.06	0.10	each
78325-5S	Stainless Steel	0.06	0.10	each
78320-5Ti	Titanium Alloy	0.06	0.10	each

III Style 5R, Locking

Straight, extra fine tips, superior finish, with locking system. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
78325-5R	Anti-Acid/Anti-Mag SS	0.06	0.10	each

III Style 5A

Extra fine tips. Length: 115mm



Cat. No.	Material	A mm	B mm	Pkg.
78320-5A	Anti-Acid/Anti-Mag SS	0.08	0.13	each

III Style 5B

Extra fine, bent tips, maximum visibility. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
78320-5B	Anti-Acid/Anti-Mag SS	0.06	0.10	each

III Style 5BR

Extra fine, bent tips, maximum visibility, with locking system. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
78325-5BR	Anti-Acid/Anti-Mag SS	0.06	0.10	each

III Style 5C

Extra fine, double bent tips. Length: 115mm



Cat. No.	Material	A mm	B mm	Pkg.
78320-5C	Anti-Acid/Anti-Mag SS	0.07	0.10	each
78520-5C	Superalloy AntiAcid/AntiMag	0.07	0.10	each

III Style 5TTH

Anti-capillary, extra fine tips with locking ring. Useful for handling EM grids. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
78320-5TTH	AntiAcid/AntiMag SS	0.09	0.14	each
78520-5TTH	Superalloy AntiAcid/AntiMag	0.09	0.14	each

III Style 6

High precision tweezers with angled, flat, fine tips. Length: 120mm

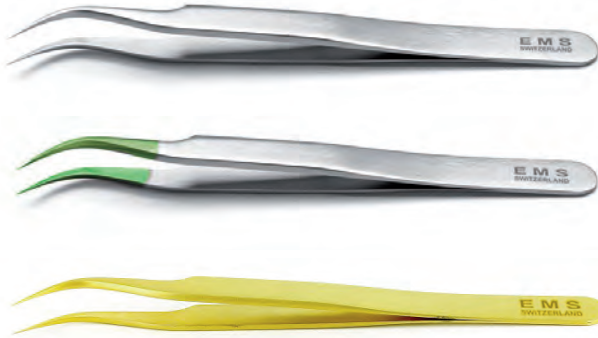


Cat. No.	Material	A mm	B mm	Pkg.
78321-6	Anti-Acid/Anti-Mag SS	0.08	0.18	each

High Precision and Ultra Fine Tweezers (continued)

III Style 7

High precision tweezers with very fine, curved tips.. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78322-7	Anti-Acid/Anti-Mag SS	0.09	0.16	each
78522-7	Superalloy AntiAcid/AntiMag	0.09	0.16	each
78322-7Te	"PTFE" Coating	0.09	0.16	each
78322-7GP	Gold Plating	0.09	0.16	each
78322-7Ti	Titanium Alloy	0.09	0.16	each

III Style 7A

High precision tweezers with angled, flat, fine tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78325-7A	Anti-Acid/Anti-Mag SS	0.15	0.26	each

III Style 7R, Locking

Very fine, curved tips, with locking system. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
78325-7R	Anti-Acid/Anti-Mag SS	0.09	0.16	each

III Style 7B

Fine, curved and serrated tips. Length: 115mm



Cat. No.	Material	A mm	B mm	Pkg.
78325-7B	Anti-Acid/Anti-Mag SS	0.14	0.19	each

III Style 7E

Fine, curved tips and flat edges. Length: 115mm



Cat. No.	Material	A mm	B mm	Pkg.
78325-7E	AntiAcid/AntiMag SS	0.14	0.19	each

III Style 10G

High precision tweezers with serrated handles and fine, line serrated tips. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
78324-10G	Anti-Acid/Anti-Mag SS	0.45	0.55	each

III Style 26

Very strong, sharp tips. Length: 135mm



Cat. No.	Material	A mm	B mm	Pkg.
78328-26	Nickel	0.2	0.2	each

III Style 27

Straight, strong, sharp, fine tips, superior finish. Length: 135mm



Cat. No.	Material	A mm	B mm	Pkg.
78511-27	Anti-Acid/Anti-Mag SS	0.12	0.3	each

III Style 51S

Extra fine, bent tips. Useful for handling EM grids. Length: 115mm



Cat. No.	Material	A mm	B mm	Pkg.
78340-51S	Anti-Acid/Anti-Mag SS	0.04	0.12	each
78325-51S	Titanium	0.04	0.12	each

EMS EXCLUSIVE

III Style 62A

Ideal for handling coverglass.

Flat, blunt tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78350-62A	Anti-Acid/Anti-Mag SS	2.5	2.5	each

III Style 65A

Sharp, bent tips. Length: 140mm



Cat. No.	Material	A mm	B mm	Pkg.
78351-65A	Anti-Acid/Anti-Mag SS	0.07	0.15	each
78551-65A	Superalloy AntiAcid/AntiMag	0.07	0.15	each

EMS LINE OF TWEEZERS

High Precision and Ultra Fine Tweezers (continued)

III Style AA

Boley tweezers, straight, sharp, fine tips. Length: 130mm



Cat. No.	Material	A mm	B mm	Pkg.
78325-AASA	Anti-Acid/Anti-Mag SS, "PTFE" Coated	0.15	0.35	each

III Style AC

Serrated handles, straight, strong tips, superior finish. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
78325-AC	Anti-Acid/Anti-Mag SS	0.15	0.35	each

III Style SS

High precision tweezers with flat, squared head, thin, strong tips. Length: 140mm



Cat. No.	Material	A mm	B mm	Pkg.
78325-SS6	Anti-Acid/Anti-Mag SS	0.09	0.12	each
78325-SSSA	Anti-Acid/Anti-Mag SS, "PTFE" Coated	0.09	0.12	each

III Kits of High Precision Tweezers

High precision tweezers sets encased in top quality hard/foam wallet. Tweezers also available individually.



Kit of 5 High Precision Tweezers — Anti-Acid/Anti-Mag SS

Includes styles 00, 2A, 3C, 5, 7.

Cat. No.	Description	Pkg.
78325-01	Tweezer Kit, High Precision, Stainless Steel	kit

Kit of 5 High Precision Tweezers — Titanium

Includes styles 1, 2A, 3C, 5, 7.

Cat. No.	Description	Pkg.
78325-02	Tweezer Kit, High Precision, Titanium	kit

Kit of 5 High Precision Tweezers — Superalloy Anti-Acid/Anti-Mag

Includes styles 1, 2A, 3C, 5, 7.

Cat. No.	Description	Pkg.
78327-01	Tweezer Kit, High Precision, Superalloy	kit

Kit of 5 High Precision Tweezers — Anti-Acid/Anti-Mag SS

Includes styles 1, 2A, 3C, 5, 7.

Cat. No.	Description	Pkg.
78327-02	Tweezer Kit, High Precision, Stainless Steel	kit

III Style AM

High precision tweezers: straight, pointed, thick tips. Length: 125mm



Cat. No.	Material	A mm	B mm	Pkg.
AM.BR	Brass	0.21	0.32	each

III Style F

Straight, flat, squared head, thin, strong tips, superior finish. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78551-65A	Superalloy AntiAcid/AntiMag	0.07	0.15	each
78325-F	Anti-Acid/Anti-Mag SS	0.08	1.70	each

III EMS Tweezers Sets in Wooden Case

Set 1

For fine and precision work, this set includes one each of:

- Style 3 (#78318-3),
- Style 4 (#78319-4),
- Style 5 (#78320-5),
- Style 5A (#78320-5A),
- and Style 7 (#78322-7)



Cat. No.	Description	Pkg.
78323-01	Fine EMS Tweezers Set 1	5/set

Set 2

For general fine and miniature work, this set includes one each of:

- Style 0 (78310-0),
- Style 00B (&8313-00B),
- Style 2 (#78317-2),
- Style 2A (#72919-2A) and
- Style 2AX (78317-2AX)



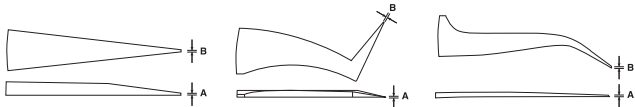
Cat. No.	Description	Pkg.
78323-02	Fine EMS Tweezers Set 2	5/set

High Precision and Ultra Fine Tweezers (continued)

EMS Reverse Action Tweezers

Uniform tension in handling small fragile parts for extended periods of time without finger strain. Specially intended for applications where a highly precise self-closing action is required such as in microscopy and assembly applications.

TIP DIMENSION GUIDE:



III Style 2AX

Reverse action tweezers: straight, flat, round tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78317-2AX	AntiAcid/AntiMag SS	0.05	2	each

III Style 3R

Very sharp, reverse action with guide pin. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78318-3R	Anti-Acid/Anti-Mag SS	0.10	0.20	each

III Style 3X

Reverse action tweezers: straight, extra fine tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78318-3X	AntiAcid/AntiMag SS	0.1	0.2	each

III Style 4R

Extra fine tips, reverse action with guide pin. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
78318-4R	Anti-Acid/Anti-Mag SS	0.11	0.16	each

III Style 4X

Reverse action tweezers: straight, extra fine tips. Length: 105mm



Cat. No.	Material	A mm	B mm	Pkg.
78319-4X	AntiAcid/AntiMag SS	0.1	0.1	each

III Style 5AX

Reverse action tweezers: straight, extra fine tips. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
78320-5AX	AntiAcid/AntiMag SS	0.1	0.2	each

III Style 5TTHX

Reverse action tweezers: anti capillary, extra fine tips. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
78325-17	AntiAcid/AntiMag SS	0.1	0.2	each

III Style 5X

Reverse action tweezers: straight, extra fine tips. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
78320-5X	AntiAcid/AntiMag SS	0.1	0.1	each
78520-5X	Superalloy AntiAcid/AntiMag	0.1	0.1	each
78320-5XGP	Gold Plating	0.1	0.1	each

III Style 7X

Reverse action tweezers: very fine, curved tips Length: 115mm



Cat. No.	Material	A mm	B mm	Pkg.
78325-7X	AntiAcid/AntiMag SS	0.2	0.2	each

III Kit of Reverse Action Tweezers

Kit of 5 Reverse action tweezers — Anti-Acid/Anti-Mag SS encased in top quality hard/foam wallet. Tweezers also available individually. Includes styles 2AX, 3X, 5X, 5AX, 7X.



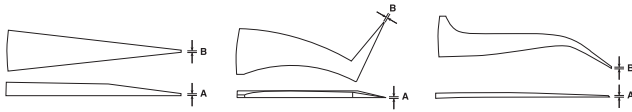
Cat. No.	Description	Pkg.
78325-18	Tweezer Kit, Reverse Action, Stainless Steel	kit

EMS LINE OF TWEEZERS

Biology Tweezers

Made of superalloy (CX) or high-alloy stainless steel (DX), these biology tweezers are the perfect choice to be used under a microscope as the ultra-fine tips are ideal for handling extremely minute material and grids. The superior alloy materials resist extreme temperatures, chemicals and other harsh conditions.

TIP DIMENSION GUIDE:



Superalloy CX Biological Tweezers

EMS is proud to introduce this new category of Swiss Made Tweezers. They are available in Superalloy with serrated grips and contain Nickel, Chromium, and Molybdenum.

Anti-acid • Anti-magnetic • Serrated handles

III Style 3SG

Biology tweezers: straight, very sharp, fine tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78325-3SA	Superalloy Anti-Acid/Anti-Mag serrated	0.04	0.08	each

III Style 4SG

Biology tweezers: straight, extra fine tips. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
78325-4SA	Superalloy Anti-Acid/Anti-Mag serrated	0.03	0.06	each

III Style 5SG

Biology tweezers: straight, extra fine tips. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
78325-5SA	Superalloy Anti-Acid/Anti-Mag serrated	0.02	0.05	each

III Style 7SG

Biology tweezers: very fine, curved tips. Length: 115mm



Cat. No.	Material	A mm	B mm	Pkg.
78325-7SA	Superalloy Anti-Acid/Anti-Mag serrated	0.03	0.07	each

Mini CX Biological Tweezers

These mini biology tweezers are the perfect choice for use under a microscope.

For our complete selection of mini tweezers, see page 9.

III Style M3E

Mini biology tweezers: straight, sharp, fine tips. Length: 80mm



Cat. No.	Material	A mm	B mm	Pkg.
78325-M3E	Superalloy AntiAcid/AntiMag	0.03	0.14	each

III Style M5E

Mini biology tweezers: straight, extra fine tips. Length: 80mm



Cat. No.	Material	A mm	B mm	Pkg.
78325-M5E	Superalloy AntiAcid/AntiMag	0.02	0.07	each

Highalloy DX Biological Tweezers

Anti-acid • Anti-magnetic • Serrated handles

III Style 3

Biology tweezers: straight, very sharp, fine tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78511-3	Highalloy AntiAcid/AntiMag SS	0.04	0.08	each

III Style 4

Biology tweezers: straight, extra fine tips. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
78512-4DX	Highalloy AntiAcid/AntiMag SS	0.03	0.06	each

III Style 5

Biology tweezers: straight, extra fine tips. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
78325-5DX	Highalloy AntiAcid/AntiMag SS	0.02	0.05	each

III Style 7

Biology tweezers: very fine, curved tips. Length: 115mm



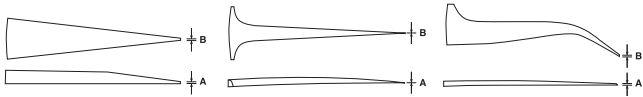
Cat. No.	Material	A mm	B mm	Pkg.
78325-7DX	Highalloy AntiAcid/AntiMag SS	0.03	0.07	each

Mini Tweezers

EMS Anti-Acid/Anti-Magnetic Mini Tweezers

- Low carbon austenitic steel (Material number 1.4435, DIN X2CrNiMo18-14-3, AISI number 316L)
- Contains from 16.5 to 18.5 wt% chromium and has important quantities of nickel and molybdenum as additional alloying elements
- Good corrosion resistance to most chemicals, salts and acids

TIP DIMENSION GUIDE:



III Style M00D

Mini tweezers with serrated handles and sharp, fine, line serrated tips.
Length: 90mm



Cat. No.	Material	A mm	B mm	Pkg.
78325-M00D	Anti-Acid/Anti-Mag SS	0.20	0.20	each

III Style M2

Mini tweezers with flat, sharp, fine tips.
Length: 80mm



Cat. No.	Material	A mm	B mm	Pkg.
78325-M2	Anti-Acid/Anti-Mag SS	0.15	0.25	each

III Style M2A

Mini tweezers with rounded, flat tips.
Length: 70mm



Cat. No.	Material	A mm	B mm	Pkg.
78325-M2A	Anti-Acid/Anti-Mag SS	0.10	1.25	each

III Style M3

Mini tweezers with rounded, flat tips.
Length: 70mm



Cat. No.	Material	A mm	B mm	Pkg.
78325-M3	Anti-Acid/Anti-Mag SS	0.10	0.20	each

III Style M4

Mini tweezers with sharp fine tips.
Length: 70mm



Cat. No.	Material	A mm	B mm	Pkg.
78325-M4	Anti-Acid/Anti-Mag SS	0.05	0.15	each

III Style M5

Mini tweezers with straight extra fine tips. Length: 80mm



Cat. No.	Material	A mm	B mm	Pkg.
78325-M5	Anti-Acid/Anti-Mag SS	0.08	0.13	each

EMS High Precision Mini Tweezers

III Style M3E.S

High precision mini tweezers with sharp fine tips, SS, superior finish.
Length: 70mm



Cat. No.	Material	A mm	B mm	Pkg.
78325-M3ES	Stainless Type S	0.05	0.15	each

III Style M5E.S

High precision mini tweezers with sharp fine tips, SS, superior finish.
Length: 80mm



Cat. No.	Material	A mm	B mm	Pkg.
78325-M5ES	Stainless Type S	0.06	0.10	each

EMS Swiss Line Mini Tweezers

- SA steel: acid-proof, stainless steel, 100% antimagnetic and resistant to HF and nitric acid.

DIMENSION GUIDE:



III Style 1M

Mini tweezers with rounded, flat tips.
Length: 70mm



Cat. No.	M mm	N mm	P mm	Pkg.
7800-1M	8.00	1.50	42.00	each

III Style 2AM

Mini tweezers with rounded, flat tips 2mm wide. Length: 70mm



Cat. No.	M mm	N mm	P mm	Pkg.
7800-2AM	8.00	1.50	22.00	each

III Style 2M

Mini tweezers with sharp fine tips.
Length: 70mm



Cat. No.	M mm	N mm	P mm	Pkg.
7800-2M	8.00	1.50	23.00	each

III Style 3M

Edges on the outside rounded off.
Length: 70mm



Cat. No.	M mm	N mm	P mm	Pkg.
7800-3M	8.00	1.50	42.00	each

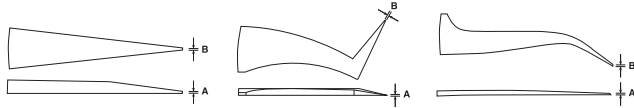
EMS LINE OF TWEEZERS

Economy Tweezers

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

- Made of 304 Stainless Steel
- Inexpensive Tweezers may be beneficial in non-critical applications
- These tweezers are anti-acid/non-corrosive and anti-magnetic

DIMENSION GUIDE:



III Style 00

Stainless steel tweezers with strong, flat edges, thick tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-40	Anti-Acid/Anti-Mag SS	0.40	0.25	each

III Style 1

Stainless steel tweezers with fine tips. Length: 125mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-41	Anti-Acid/Anti-Mag SS	0.10	0.15	each

III Style 2

Stainless steel tweezers with sharp, fine tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-42	Anti-Acid/Anti-Mag SS	0.10	0.15	each

III Style 2A

Stainless steel tweezers with flat, accurate, round tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-43	Anti-Acid/Anti-Mag SS	0.20	2.20	each

III Style 3

Stainless steel tweezers with very sharp, fine tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-44	Anti-Acid/Anti-Mag SS	0.15	0.20	each

III Style 3C

Stainless steel tweezers with very sharp, fine tips. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-45	Anti-Acid/Anti-Mag SS	0.15	0.20	each

III Style 4

Stainless steel tweezers with fine tips. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-46	Anti-Acid/Anti-Mag SS	0.10	0.10	each

III Style 5

Stainless steel tweezers with fine, sharp tips. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-47	Anti-Acid/Anti-Mag SS	0.05	0.15	each

III Style 5A

Stainless steel tweezers with extra fine, sharp tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-48	Anti-Acid/Anti-Mag SS	0.10	0.15	each

III Style 6

Stainless steel tweezers with angled, flat, fine tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-49	Anti-Acid/Anti-Mag SS	0.10	0.20	each

III Style 7

Stainless steel tweezers with fine, curved tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-50	Anti-Acid/Anti-Mag SS	0.15	0.10	each

III Style 7A

Stainless steel tweezers with strong fine, curved tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-51	Anti-Acid/Anti-Mag SS	0.15	0.25	each

Economy Tweezers

III Style AA

Stainless Boley tweezers with sharp, fine tips. Length: 130mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-52	Anti-Acid/Anti-Mag SS	0.30	0.25	each

III Style AC

Stainless steel tweezers with serrated handles and strong tips. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-53	Anti-Acid/Anti-Mag SS	0.15	0.35	each

III Style MM

Stainless Boley tweezers with thick, strong, pointed tips. Length: 125mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-54	Anti-Acid/Anti-Mag SS	0.15	0.20	each

III Style SS

Stainless steel tweezers with fine, sharp tips. Length: 140mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-55	Anti-Acid/Anti-Mag SS	0.15	0.20	each

III Kit of Economy Tweezers

Kit of 5 stainless steel tweezers. Includes styles 00, 2A, 3C, 5, and 7.



Catalog No.	Kit	Styles	Pkg.
K5-ECO.SA	Kit of 5	Styles 00, 2A, 3C, 5 and 7	each

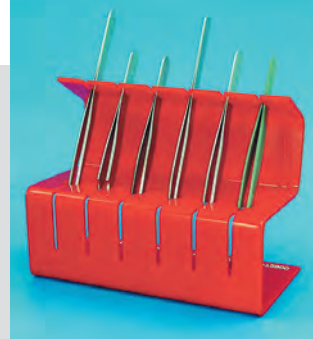
You may also need...

III Tweezer Holder

EMS EXCLUSIVE

Holds 6 tweezers. Keeps tips protected in an easy to reach position.

Cat. No.	Description	Qty.
72900	Tweezer Holder	each



III Tweezers Protection Caps

These caps which are in the shape of the tweezer tip are made from Polyethylene and are used to protect the tweezers tips from damage.

Cat. No.	Description	Qty.
72904-12	Tweezers Protection Caps 12/pk.	

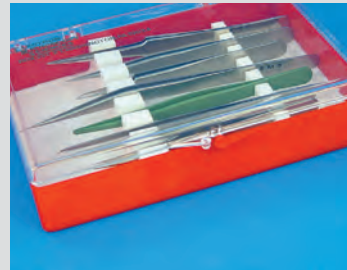


III EMS Tweezer Protection Box

Made from soft silicone; grooved properly to tightly hold all types of tweezers in place. The tip of the tweezer is always well protected from any damage. The silicone pad is held in a plastic box with a hinged lid that keeps the tweezers free from dust. Holds 7 tweezers.

Overall measurements: 6 $\frac{1}{2}$ "(L)x4 $\frac{1}{8}$ "(W)x1 $\frac{3}{8}$ "(H);
Inside measurements: 6"(L)x4"(W)x1 $\frac{1}{4}$ "(H)

Cat. No.	Description	Qty.
72902	Tweezer Protection Box	each



III O-Rings for Tweezers

This Neoprene O-Ring is used as a simple clamping device for tweezers.

Cat. No.	Description	Qty.
72903-12	Tweezers O-Rings	12/pk.



III The Tweezer Repair Kit

This repair kit allows you to straighten, resharpen, and repair your tweezers that have been damaged or have become dull. Instructions are included with the kit

The kit includes:

- 1 Sharpening stone
- Chain nose pliers
- Instrument Oil, 50 ml
- Ten O-rings



Cat. No.	Description	Qty.
72892-10	The Tweezer Repair Kit	kit

EMS LINE OF TWEEZERS

Premium Economy Tweezers

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

- Made of 316 Stainless Steel
- Inexpensive Tweezers may be beneficial in non-critical applications
- These tweezers are anti-acid/non-corrosive and anti-magnetic

DIMENSION GUIDE:



III Style 00

Straight, strong, thick tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-70	Anti-Acid/Anti-Mag SA	0.40	0.25	each

III Style 00D

Straight, strong, thick tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-71	Anti-Acid/Anti-Mag SA	0.40	0.25	each

III Style 0C9

Straight, strong, thick tips. Length: 90mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-72	Anti-Acid/Anti-Mag SA	0.10	0.15	each

III Style 1

Straight, fine tips. Length: 125mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-73	Anti-Acid/Anti-Mag SA	0.10	0.15	each

III Style 2

Straight, sharp, fine tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-74	Anti-Acid/Anti-Mag SA	0.05	0.15	each

III Style 2A

Straight, flat, round tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-75	Anti-Acid/Anti-Mag SA	0.20	2.20	each

III Style 3

Straight, very sharp, fine tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-76	Anti-Acid/Anti-Mag SA	0.15	0.20	each

III Style 3C

Shorter than style 3. Straight, very sharp, fine tips. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-77	Anti-Acid/Anti-Mag SA	0.15	0.20	each

III Style 4

Straight, fine tips. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-78	Anti-Acid/Anti-Mag SA	0.10	0.10	each

III Style 5

Straight, fine, sharp tips. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-79	Anti-Acid/Anti-Mag SA	0.05	0.15	each

III Style 5A

Straight, extra fine, sharp tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-80	Anti-Acid/Anti-Mag SA	0.10	0.15	each

III Style 6

Angled, flat, fine tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-81	Anti-Acid/Anti-Mag SA	0.10	0.20	each

III Style 7

Fine, curved tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-82	Anti-Acid/Anti-Mag SA	0.15	0.10	each

Premium Economy Tweezers (continued)

III Style 7A

Fine, curved tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-83	Anti-Acid/Anti-Mag SA	0.15	0.25	each

III Style 7B

Fine, curved tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-84	Anti-Acid/Anti-Mag SA	0.15	0.25	each

III Style AA.SA.6

High precision boley tweezers - tips: straight, sharp, fine. Length: 130mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-89	Anti-Acid/Anti-Mag SA	0.30	0.25	each

III Style AC

Straight, strong tips; Serrated handles. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-85	Anti-Acid/Anti-Mag SA	0.15	0.35	each

III Style MM

Straight, thick, strong, pointed tips. Length: 125mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-86	Anti-Acid/Anti-Mag SA	0.15	0.20	each

III Style MM

Straight, thick, strong, pointed tips. Length: 125mm



Cat. No.	Material	A mm	B mm	Pkg.
78326-87	Stainless Type S	0.15	0.205	each

III Style SS

Straight, fine, sharp tips. Length: 140mm



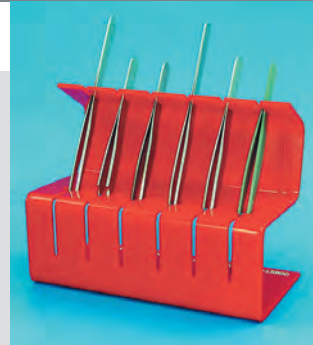
Cat. No.	Material	A mm	B mm	Pkg.
78326-88	Anti-Acid/Anti-Mag SA	0.15	0.20	each

You may also need...

III Tweezer Holder

EMS EXCLUSIVE

Holds 6 tweezers. Keeps tips protected in an easy to reach position.



Cat. No.	Description	Qty.
72900	Tweezer Holder	each

III Tweezers Protection Caps

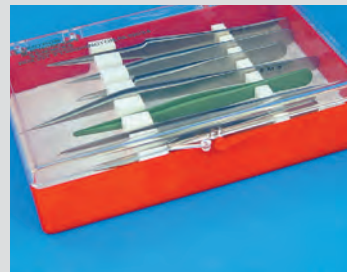
These caps which are in the shape of the tweezers tip are made from Polyethylene and are used to protect the tweezers tips from damage.



Cat. No.	Description	Qty.
72904-12	Tweezers Protection Caps 12/pk.	

III EMS Tweezer Protection Box

Made from soft silicone; grooved properly to tightly hold all types of tweezers in place. The tip of the tweezers is always well protected from any damage. The silicone pad is held in a plastic box with a hinged lid that keeps the tweezers free from dust. Holds 7 tweezers.



Overall measurements: 6 1/2" (L) x 4 1/8" (W) x 1 3/8" (H);
Inside measurements: 6" (L) x 4" (W) x 1 1/4" (H)

Cat. No.	Description	Qty.
72902	Tweezer Protection Box	each

III O-Rings for Tweezers

This Neoprene O-Ring is used as a simple clamping device for tweezers.



Cat. No.	Description	Qty.
72903-12	Tweezers O-Rings	12/pk.

III The Tweezer Repair Kit

This repair kit allows you to straighten, sharpen, and repair your tweezers that have been damaged or have become dull. Instructions are included with the kit

The kit includes:

- 1 Sharpening stone
- Chain nose pliers
- Instrument Oil, 50 ml
- Ten O-rings

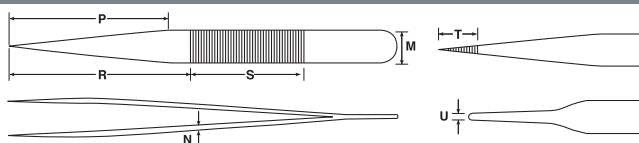


Cat. No.	Description	Qty.
72892-10	The Tweezer Repair Kit	kit

EMS LINE OF TWEEZERS

EMS Standard Tweezers

DIMENSION GUIDE:



III Style 0

Ultra fine straight pointed precision tip. Length: 120mm



Catalog No.	M mm	N mm	P mm	Qty.
7801-0	10.00	1.50	33.00	each

III Style 00

Sturdy, strong, pointed classic tweezers made from the finest stainless steel. Tip Width: 0.5mm. Overall Length: 120mm



Catalog No.	M mm	N mm	P mm	Qty.
7801-00	10.00	2.50	46.00	each

III Style 1

Ultra fine straight pointed precision tip. Length: 120mm



Catalog No.	M mm	N mm	P mm	Qty.
7801-1	10.00	1.50	50.00	each

III Style 2

Strong, long, ultra fine pointed tips. Length: 115mm



Catalog No.	M mm	N mm	P mm	Qty.
7801-2	10.00	1.50	34.00	each

III Style 2A

Round tip. Tip Width: 2.0mm. Length: 120mm



Catalog No.	M mm	N mm	P mm	Qty.
7801-2A	10.00	1.50	35.00	each

III Style 3

Ultra fine straight pointed precision tip; edges on the outside rounded off. Length: 120mm



Catalog No.	M mm	N mm	P mm	Qty.
7801-3	10.00	1.50	50.00	each

III Style 3C

Ultra fine straight pointed precision tip. Length: 110mm



Catalog No.	M mm	N mm	P mm	Qty.
7801-3C	9.00	1.50	43.00	each

III Style 4

Very thin, stronger than style 5, ultra fine pointed tips. Length: 110mm



Catalog No.	M mm	N mm	P mm	Qty.
7801-4	10.00	1.50	30.00	each

III Style 4A

Ultra fine pointed tips. Length: 110mm



Catalog No.	M mm	N mm	P mm	Qty.
7801-4A	9.50	1.50	31.00	each

III Style 5

Super thin, ultra fine pointed tips. Length: 110mm



Catalog No.	M mm	N mm	P mm	Qty.
7801-5	10.00	1.50	30.00	each

III Style 5A

Oblique, ultra fine pointed tips. Length: 115mm



Catalog No.	M mm	N mm	P mm	Qty.
7801-5A	10.00	1.50	34.00	each

III Style 5AR

Ultra fine pointed tips. Length: 115mm



Catalog No.	M mm	N mm	P mm	Qty.
7801-5AR	10.00	1.50	34.00	each

III Style 7

Curved and thin, ultra fine pointed tips. Length: 115mm



Catalog No.	M mm	N mm	P mm	Qty.
7801-7	11.00	1.50	34.00	each

III Style 35A

Round tip. Length: 120mm



Catalog No.	M mm	N mm	P mm	Qty.
7801-35A	10.00	1.50	60.00	each

III Style 35B

Round tip. Length: 118mm



Catalog No.	M mm	N mm	P mm	Qty.
7801-35B	10.00	1.50	50.00	each

EMS Standard Tweezers (continued)

III Style 49D

Delrin tips. Temperature resistant up to 115°C. Very soft material, non-scratching, nicking or marring. Excellent for use in biotech applications.

Catalog No.	Description	OAL mm	M mm	N mm	P mm	Qty.
7801-49D	Style 49D	125	10.00	1.50	60.00	each



III Style 258Peek

Tweezer tip with 30% carbon fibers. ESD safe, anti-magnetic, anti acid. High resistance to abrasion. Temperature resistance up to 250°C (short exposure up to 300°C). Can be sterilized at 143°C. Often used in the disc drive industry and for ceramic parts.

Catalog No.	Description	OAL mm	M mm	N mm	P mm	R mm	S mm	Qty.
7801-258Peek	Style 258Peek	125	10.00	1.50	65.00	38.00	35.00	each



For more Tweezers with synthetic tips, see pages 41–49.

III Style 321

Round tip.

Catalog No.	Description	OAL mm	M mm	N mm	P mm	R mm	S mm	Qty.
7801-321	Style 321	118	9.00	1.50	47.00	44.00	35.00	each



III Style 321R

Comfortable soldering tweezers, insertion/extraction tweezers and anti-wicking tweezers.

Catalog No.	Description	OAL mm	M mm	N mm	P mm	R mm	U mm	Qty.
7802-321R	Style 321R	125	8.00	1.50	—	60.00	3.50	each



III Style 615

General use tweezers with alignment pin. Tips grooved inside.

Catalog No.	Description	OAL mm	M mm	N mm	P mm	Qty.
7801-615	Style 615	155	8.00	2.00	—	each



III Style AA

Ultra fine straight pointed precision tip.

Catalog No.	Description	OAL mm	M mm	N mm	P mm	Qty.
7801-AA	Style AA	125	11.00	1.50	60.00	each



III Style F

Round tip. Tip Width: 2.5mm

Catalog No.	Description	OAL mm	M mm	N mm	P mm	Qty.
7801-F	Style F	120	10.00	1.50	33.00	each



III Style OA

Comfortable soldering tweezers, insertion/extraction tweezers and anti-wicking tweezers. Length: 160mm

Catalog No.	M mm	N mm	P mm	T mm	U mm	Qty.
7802-OA	10.00	2.00	83.00	12.00	2.00	each



III Style OR

Reverse action. Length: 117mm

Catalog No.	M mm	N mm	P mm	Qty.
7801-OR	10.00	1.50	44.00	each



III Style SS

Extra long, slim, ultra fine straight pointed precision tip.

Catalog No.	Description	OAL mm	M mm	N mm	P mm	Qty.
7801-SS	Style SS	135	8.00	1.50	83.00	each

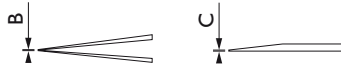


EMS LINE OF TWEEZERS

High-End Medical Tweezers

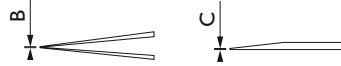
EMS is proud to introduce this new category of Tweezers. They are all handcrafted to perfect tip symmetry and balance and the surface has an electropolish finish. With high precision fine tips and Dot Serrated handles for a perfect grip. All of these tweezers can be sterilized and they are all made from Innox.

III Style 1LUSO.S



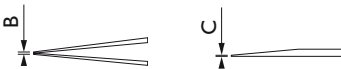
Cat. No.	OAL		B		C		Qty.
	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	
78920-01	120	4.7244	0.20	0.0079	0.12	0.0047	each

III Style 2LUSO.S



Cat. No.	OAL		B		C		Qty.
	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	
78920-02	120	4.7244	0.34	0.0134	0.14	0.0055	each

III Style 3LUSO.S



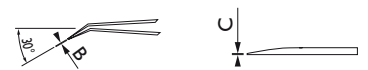
Cat. No.	OAL		B		C		Qty.
	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	
78920-03	120	4.7244	0.17	0.0067	0.10	0.0039	each

III Style 4LUSO.S



Cat. No.	OAL		B		C		Qty.
	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	
78920-04	110	4.3307	0.13	0.0051	0.08	0.0031	each

III Style 5BLUSO.S



Cat. No.	OAL		B		C		Qty.
	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	
78920-06	110	4.3307	0.10	0.0039	0.06	0.0024	each

III Style 5LUSO.S



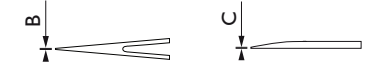
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	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	
78920-07	110	4.3307	0.10	0.0039	0.06	0.0024	each

III Style 7LUSO.S



Cat. No.	OAL		B		C		Qty.
	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	
78920-08	115	4.5275	0.17	0.0067	0.10	0.0039	each

III Style 27LUSO.S



Cat. No.	OAL		B		C		Qty.
	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	
78920-09	135	5.3150	0.17	0.0067	0.10	0.0039	each

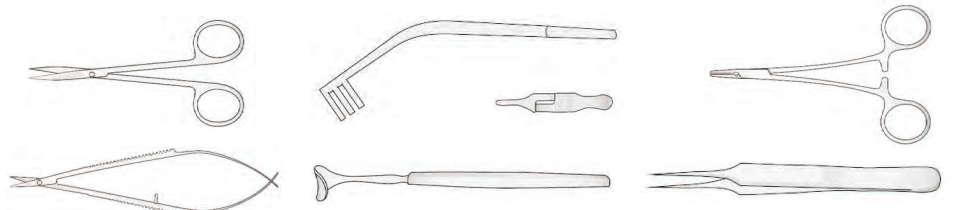
III Style 65ALUO.S



Cat. No.	OAL		B		C		Qty.
	[mm]	[inch]	[mm]	[inch]	[mm]	[inch]	
78920-10	140	5.5180	0.10	0.039	0.06	0.0224	each

You may also need...Surgical Tools

Did you know that we added Surgical Tools to our website? Visit www.emsdiasum.com for Retractors, Forceps, Scissors, and more.



Gold Plated Tweezers

The EMS Gold Coated Tweezers are finely crafted, high precision tweezers made from anti-acidic, non-magnetic stainless steel, plated with 2 microns of pure 24-carat gold. Gold plating resists chemical corrosion, oxidation and is an excellent conductor of electricity. These tweezers are autoclavable and conducive for use when working with microelectronics, TEM and immunogold staining, electro-chemistry and nanotechnology. Choose from a variety of styles, designed to meet your specific need.

DIMENSION GUIDE:



III Style 1

Strong, Straight, Fine Tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78750-01	Gold Plated Anti-Acid/Anti-Mag SS	0.11	0.14	each

III Style 2A

Flat, Round Tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78750-02	Gold Plated Anti-Acid/Anti-Mag SS	0.11	0.15	each

III Style 3

Straight, High Precision. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78750-04	Gold Plated Anti-Acid/Anti-Mag SS	0.11	0.15	each

III Style 3CB

Fine points bent at 45°, High Precision. Length: 109mm



Cat. No.	Material	A mm	B mm	Pkg.
78750-03	Gold Plated Anti-Acid/Anti-Mag SS	0.11	0.15	each

III Style 4

Straight, Fine Point, High Precision. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
78750-05	Gold Plated Anti-Acid/Anti-Mag SS	0.11	0.15	each

III Style 5

High precision tweezers with sharp, fine tips. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
78750-07	Gold Plated Anti-Acid/Anti-Mag SS	0.06	0.10	each

III Style 5B

Extra Fine points bent at 45°, High Precision. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
78750-06	Gold Plated Anti-Acid/Anti-Mag SS	10.06	0.10	each

III Style 5TTH

Anti Capillary, Extra Fine Point, High Precision. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
78750-08	Gold Plated Anti-Acid/Anti-Mag SS	0.07	0.02	each

III Style 7

Curved, Fine Point, High Precision. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78750-09	Gold Plated Anti-Acid/Anti-Mag SS	0.09	0.16	each

III Style 5X

Reversed, Self Closing, Fine Point, High Precision. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
78750-10	Gold Plated Anti-Acid/Anti-Mag SS	0.1	0.1	each

III Style 7X

Reverse, Curved, Self Closing, Fine Point, High Precision. Length: 115mm



Cat. No.	Material	A mm	B mm	Pkg.
78750-11	Gold Plated Anti-Acid/Anti-Mag SS	0.2	0.2	each

III Style 5TTHX

Reverse, Anti Capillary, Fine Point, High Precision. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
78750-12	Gold Plated Anti-Acid/Anti-Mag SS	0.1	0.2	each

EMS LINE OF TWEEZERS

ESD Diamond Coated Tweezers

The EMS High Precision, DLC tweezers feature tips covered in a pure diamond film grown directly on the exposed metallic substrate via an innovative plasma-assisted deposition technique. It is not an adhesive-bonded diamond powder. The coating is comprised of carbon clusters which develop a crystalline structure and properties similar to a natural diamond. This procedure leaves the coating hydrogen free. These tweezers perform well in demanding environments and working with hard samples or biological materials. Ideal for use in clean rooms. Tips stand up to repeated use. The body of the tweezer is non-magnetic, low carbon stainless steel.

- High hardness (up to 90 GPa)
- No particulate shedding /contamination of the sample
- Bio-compatible (maintain cell integrity, no inflammatory response)
- Black-colored coating on tips only
- Low coating thickness (2μ) = High Elasticity
- Chemically inert up to 350°C / 662°F
- ESD safe, surface resistance of 106 Ohms
- Extremely high wear and abrasion resistant tips
- Very clean

III Style 0

ESD diamond coated tweezers:
straight, fine tips



Catalog No.	Style	Material	Finish	Serration	OAL mm	A mm	B mm	ESD Safe	Pkg.
78752-09	Style 0	AntiAcid/AntiMag SS	Diamond Coated tips	-	120	0.1	0.15	Yes	each

III Style 00

ESD diamond coated tweezers:
straight, strong, thick tips



Catalog No.	Style	Material	Finish	Serration	OAL mm	A mm	B mm	ESD Safe	Pkg.
78752-01	Style 00	AntiAcid/AntiMag SS	Diamond Coated tips	-	120	0.5	0.9	Yes	each

III Style 1

ESD diamond coated tweezers:
straight, fine tips



Catalog No.	Style	Material	Finish	Serration	OAL mm	A mm	B mm	ESD Safe	Pkg.
78752-13	Style 1	AntiAcid/AntiMag SS	Diamond Coated tips	-	120	0.1	0.15	Yes	each

III Style 2

ESD diamond coated tweezers:
straight, sharp, fine tips



Catalog No.	Style	Material	Finish	Serration	OAL mm	A mm	B mm	ESD Safe	Pkg.
78325-12	Style 2	AntiAcid/AntiMag SS	Diamond Coated tips	-	120	0.05	0.15	Yes	each

III Style 2A

ESD diamond coated tweezers:
straight, flat, round tips



Catalog No.	Style	Material	Finish	Serration	OAL mm	A mm	B mm	ESD Safe	Pkg.
2A.SA.DC	Style 2A	AntiAcid/AntiMag SS	Diamond Coated tips	-	120	0.05	1.65	Yes	each

III Style 2AB

ESD diamond coated tweezers:
round, curved tips



Catalog No.	Style	Material	Finish	Serration	OAL mm	A mm	B mm	ESD Safe	Pkg.
78325-13	Style 2AB	AntiAcid/AntiMag SS	Diamond Coated tips	-	120	0.11	1.5	Yes	each

III Style 3

ESD diamond coated tweezers:
straight, very sharp, fine



Catalog No.	Style	Material	Finish	Serration	OAL mm	A mm	B mm	ESD Safe	Pkg.
78752-05	Style 3	AntiAcid/AntiMag SS	Diamond Coated tips	-	120	0.1	0.15	Yes	each

ESD Diamond Coated Tweezers (continued)

III Style 4

ESD diamond coated tweezers:
straight, extra fine tips



Catalog No.	Style	Material	Finish	Serration	OAL mm	A mm	B mm	ESD Safe	Pkg.
78325-4DC	Style 4	AntiAcid/AntiMag SS	Diamond Coated tips	-	110	0.1	0.1	Yes	each

III Style 5

ESD diamond coated tweezers:
straight, extra fine, sharp



Catalog No.	Style	Material	Finish	Serration	OAL mm	A mm	B mm	ESD Safe	Pkg.
78752-08	Style 5	AntiAcid/AntiMag SS	Diamond Coated tips	-	110	0.06	0.1	Yes	each

III Style 5B

ESD diamond coated tweezers:
straight, fine or extra fine, sharp



Catalog No.	Style	Material	Finish	OAL mm	A mm	B mm	ESD Safe	Pkg.
78752-10	Style 5B	AntiAcid/AntiMag SS	Diamond Coated tips, fine	110	0.07	0.12	Yes	each
72385-5BSA	Style 5B	AntiAcid/AntiMag SS	Diamond Coated tips, extra fine	110	0.06	0.1	Yes	each

III Style 7

ESD diamond coated tweezers:
very fine, curved tips



Catalog No.	Style	Material	Finish	Serration	OAL mm	A mm	B mm	ESD Safe	Pkg.
78752-11	Style 7	AntiAcid/AntiMag SS	Diamond Coated tips	-	120	0.09	0.16	Yes	each

III Style 35A

ESD diamond coated tweezers - Serrated
handles: smooth and flat surface



Catalog No.	Style	Material	Finish	Serration	OAL mm	A mm	B mm	ESD Safe	Pkg.
78752-16	Style 35A	AntiAcid/AntiMag SS	Diamond Coated tips	Serrated handles	120	0.15	7	Yes	each

III Style 65A

ESD diamond coated tweezers:
very fine, bent tips



Catalog No.	Style	Material	Finish	Serration	OAL mm	A mm	B mm	ESD Safe	Pkg.
78752-12	Style 65A	AntiAcid/AntiMag SS	Diamond Coated tips	-	140	0.07	0.15	Yes	each

III Style SS

ESD diamond coated tweezers:
straight, extra fine, very sharp tips



Catalog No.	Style	Material	Finish	Serration	OAL mm	A mm	B mm	ESD Safe	Pkg.
78325-DC6	Style SS	AntiAcid/AntiMag SS	Diamond Coated tips	-	150	0.12	0.12	Yes	each
78325-SS	Style SS	AntiAcid/AntiMag SS	Diamond Coated tips	-	140	0.09	0.12	Yes	each

III Kit of ESD Diamond Coated Tweezers

For fine and precision work, this set includes one each of: Style 1(#78752-13), style 2A (#78752-03), style 3C (#78752-06), Style 5 (#78752-08), and style 7 (#78752-11).

Catalog No.	Description	Pkg.
78752-14	EMS DLC Tweezers Set	5/set



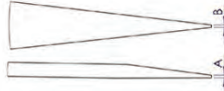
EMS LINE OF TWEEZERS

ESD Rubber Tweezers

Soft ESD safe ergonomic cushion grips (resistivity 10E9 Ohm) provide enhanced operator comfort and reduced finger stress when handling ESD sensitive components or small static items.

III Style 00

ESD rubber grip tweezers: straight, strong, thick tips



Catalog No.	Style	Material	Finish	OAL mm	A mm	B mm	ESD Safe	Pkg.
78390-00	Style 00	AntiAcid/AntiMag SS	ESD Rubber	120	0.5	0.90	Yes	each

III Style 2A

ESD rubber grip tweezers: straight, flat, round tips



Catalog No.	Style	Material	Finish	OAL mm	A mm	B mm	ESD Safe	Pkg.
78392-2A	Style 2A	AntiAcid/AntiMag SS	ESD Rubber	125	0.07	1.7	Yes	each

III Style 2AB

ESD rubber grip tweezers: flat, round, curved tips



Catalog No.	Style	Material	Finish	OAL mm	A mm	B mm	ESD Safe	Pkg.
78325-14	Style 2AB	AntiAcid/AntiMag SS	ESD Rubber	120	0.11	1.5	Yes	each

III Style 3

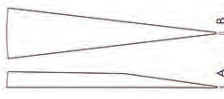
ESD rubber grip tweezers: straight, very sharp, fine tips



Catalog No.	Style	Material	Finish	OAL mm	A mm	B mm	ESD Safe	Pkg.
78393-3	Style 3	AntiAcid/AntiMag SS	ESD Rubber	125	0.09	0.16	Yes	each

III Style 3C

ESD rubber grip tweezers: straight, sharp, fine tips



Catalog No.	Style	Material	Finish	OAL mm	A mm	B mm	ESD Safe	Pkg.
78393-3C	Style 3C	AntiAcid/AntiMag SS	ESD Rubber	110	0.09	0.20	Yes	each

III Style 4

ESD rubber grip tweezers: straight, extra fine tips



Catalog No.	Style	Material	Finish	OAL mm	A mm	B mm	ESD Safe	Pkg.
78325-4DR	Style 4	AntiAcid/AntiMag SS	ESD Rubber	110	0.09	0.11	Yes	each

III Style 5

ESD rubber grip tweezers: straight, extra fine tips



Catalog No.	Style	Material	Finish	OAL mm	A mm	B mm	ESD Safe	Pkg.
78395-5	Style 5	AntiAcid/AntiMag SS	ESD Rubber	110	0.06	0.10	Yes	each

III Style 5A

ESD rubber grip tweezers: straight, extra fine tips



Catalog No.	Style	Material	Finish	OAL mm	A mm	B mm	ESD Safe	Pkg.
78325-5A	Style 5A	AntiAcid/AntiMag SS	ESD Rubber	115	0.08	0.12	Yes	each

ESD Rubber Tweezers (continued)

III Style 5C

ESD rubber grip tweezers: curved, bent, ultra fine tips



Catalog No.	Style	Material	Finish	OAL mm	A mm	B mm	ESD Safe	Pkg.
78325-5C	Style 5C	AntiAcid/AntiMag SS	ESD Rubber	115	0.10	0.15	Yes	each

III Style 51S

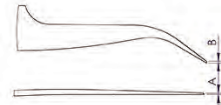
ESD rubber grip tweezers: bent, extra fine tips



Catalog No.	Style	Material	Finish	OAL mm	A mm	B mm	ESD Safe	Pkg.
78325-16	Style 51S	AntiAcid/AntiMag SS	ESD Rubber	115	0.04	0.12	Yes	each

III Style 7

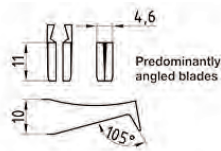
ESD rubber grip tweezers: very fine tips, curved



Catalog No.	Style	Material	Finish	OAL mm	A mm	B mm	ESD Safe	Pkg.
78397-7	Style 7	AntiAcid/AntiMag SS	ESD Rubber	120	0.09	0.16	Yes	each

III Style 14A

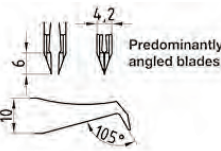
ESD rubber grip cutting tweezers: cutting, predominantly angled blades



Catalog No.	Style	Material	Finish	OAL mm	A mm	B mm	ESD Safe	Pkg.
78325-07	Style 14A	Carbon Steel	ESD Rubber	115	4.6	11	Yes	each

III Style 14AGW

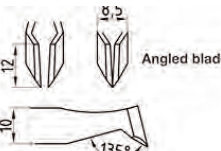
ESD rubber grip cutting tweezers: cutting, predominantly angled blades



Catalog No.	Style	Material	Finish	OAL mm	A mm	B mm	ESD Safe	Pkg.
78325-08	Style 14AGW	Carbon Steel	ESD Rubber	115	4.2	6	Yes	each

III Style 15A

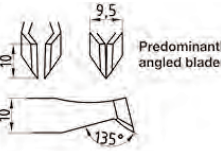
ESD rubber grip cutting tweezers: cutting, angled blades



Catalog No.	Style	Material	Finish	OAL mm	A mm	B mm	ESD Safe	Pkg.
78325-09	Style 15A	Carbon Steel	ESD Rubber	120	8.5	12	Yes	each

III Style 15AGW

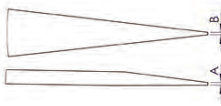
ESD rubber grip cutting tweezers: cutting, predominantly angled blades



Catalog No.	Style	Material	Finish	OAL mm	A mm	B mm	ESD Safe	Pkg.
78325-10	Style 15AGW	Carbon Steel	ESD Rubber	115	9.5	10	Yes	each

III Style AA

ESD rubber grip boley tweezers: straight, sharp, fine tips



Catalog No.	Style	Material	Finish	OAL mm	A mm	B mm	ESD Safe	Pkg.
78325-AA	Style AA	AntiAcid/AntiMag SS	ESD Rubber	130	0.3	0.25	Yes	each

EMS LINE OF TWEEZERS

ESD Epoxy Coated Tweezers

Coating Type NE

This conductive epoxy coating is essentially comprised of polyester and epoxy resins, plus the electrically conductive additives.

Mechanical properties: Impact resistant surface with excellent flow; good elasticity

Heat resistance: It can operate continuously at temperatures up to 120°C

Unique electrical properties: This coating provides an ESD Safe coating with surface resistance of $10^5 - 10^6$

Chemical resistance: Good resistance to many diluted acids and alkalis. Contact with organic solvents is possible conditionally and for short term. Resistance should be investigated for the case in question.

Anti-magnetic anti-acid stainless steel (SA)

- Low carbon austenitic steel (Material number 1.4435, DIN X2CrNiMo18-14-3, AISI number 316L)
- Contains from 16.5 to 18.5 wt% chromium and has important quantities of nickel and molybdenum as additional alloying elements
- Non-magnetizable
- Good corrosion resistance to most chemicals, salts and acids
- Generally used where corrosion resistance and toughness are primary requirements
- Typical applications include tweezers for the electronic industry, watch-makers, jewelers and laboratory and medical applications in moderately aggressive chemical environments

Style SM103

ESD epoxy coated tweezers with handling, positioning at 45° angle. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
SM103.SA.NE	Anti-Acid/Anti-Mag SS	0.30	1.60	each

Style SM104

ESD epoxy coated tweezers with handling, positioning sot packages, monolithic chip capacitors. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
SM104.SA.NE	Anti-Acid/Anti-Mag SS	0.35	1.70	each

Style SM108

ESD epoxy coated tweezers with positioning, soldering 1mm wide components. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
SM108.SA.NE	Anti-Acid/Anti-Mag SS	0.30	1.50	each

Style 00

ESD epoxy coated tweezers with strong, thick tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
00.SA.NE	Anti-Acid/Anti-Mag SS,	0.40	0.25	each

Style 1

ESD epoxy coated tweezers with fine tips. Length: 125mm



Cat. No.	Material	A mm	B mm	Pkg.
1.SA.NE	Anti-Acid/Anti-Mag SS	0.10	0.15	each

Style 2A

ESD epoxy coated tweezers with flat, accurate, round tips. Length: 125mm



Cat. No.	Material	A mm	B mm	Pkg.
2A.SA.NE	Anti-Acid/Anti-Mag SS	0.20	2.20	each

Style 3

ESD epoxy coated tweezers with very sharp, fine tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
3.SA.NE	Anti-Acid/Anti-Mag SS	0.15	0.20	each

Style 3C

ESD epoxy coated tweezers with very sharp, fine tips. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
3C.SA.NE	Anti-Acid/Anti-Mag SS	0.15	0.10	each

Style 4

ESD epoxy coated tweezers with fine tips. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
4.SA.NE	Anti-Acid/Anti-Mag SS	0.10	0.10	each

Style 5

ESD epoxy coated tweezers with fine, sharp tips. Length: 110mm



Cat. No.	Material	A mm	B mm	Pkg.
5.SA.NE	Anti-Acid/Anti-Mag SS	0.05	0.15	each

ESD Epoxy Coated Tweezers (continued)

III Style 7

ESD epoxy coated tweezers with fine, curved tips. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
7.SA.NE	Anti-Acid/Anti-Mag SS	0.15	0.10	each

III Style 775

ESD epoxy coated tweezers with bent, fine tips. Length: 155mm



Cat. No.	Material	A mm	B mm	Pkg.
775.SA.NE	Anti-Acid/Anti-Mag SS	0.20	0.35	each

III Style AA

ESD epoxy coated tweezers with sharp, fine tips. Length: 125mm



Cat. No.	Material	A mm	B mm	Pkg.
AA.SA.NE	Anti-Acid/Anti-Mag SS	0.30	0.25	each

III Kits of ESD Epoxy Coated Tweezers

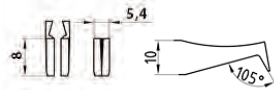
ESD epoxy coated tweezers

Catalog No.	Kit	Styles	Pkg.
K3.SA.NE	Kit of 3	Styles 775, SM103, and SM104	each
K4F.SA.NE	Kit of 4	Styles SM103, SM108, 3, and 7A	each
K5F.SA.NE	Kit of 5	Styles SM103, SM108, 3, 5, and 7A	each
K6F.SA.NE	Kit of 6	Styles SM103, SM108, 3, 3C, 5, and 7A	each

CUTTING STYLES

III Style 54MW

ESD epoxy coated cutting tweezers, full body: cutting, predominantly angled blades. Length: 115mm



Cat. No.	Material	A mm	B mm	Pkg.
54MW.C.N	Carbon Steel	5.4	8	each

III Style 14AGW

ESD epoxy coated cutting tweezers: cutting, predominantly angled blades. Length: 115mm



Cat. No.	Material	A mm	B mm	Pkg.
14AGW.C.NE	Carbon Steel	4.2	6	each

III Style 15A

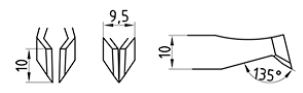
ESD epoxy coated cutting tweezers: cutting, angled blades. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
15A.C.NE	Carbon Steel	8.5	12	each

III Style 15AGW

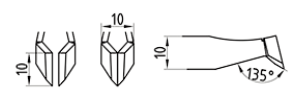
ESD epoxy coated cutting tweezers: cutting, predominantly angled blades. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
15AGW.C.NE	Carbon Steel	8.5	12	each

III Style 15AGHM

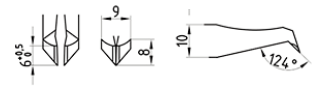
ESD epoxy coated cutting tweezers: cutting, Tungsten carbide insert, predominantly angled blades. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
15AGHM.C.NE	Carbon Steel	8.5	12	each

III Style 15ARW

ESD epoxy coated cutting tweezers: cutting, predominantly angled blades. Length: 115mm



Cat. No.	Material	A mm	B mm	Pkg.
15ARW.C.NE	Carbon Steel	9	6	each

EMS LINE OF TWEEZERS

EMS Surface Mount & Optoelectronic Tweezers

Made from SA steel. They offer comfort and smooth handling. They are available in different tips and angles for specific jobs and they have a satin antiglare finish with an ergonomic design.

III Style SM2

Grooved handles. Tips: for positioning SOT packages, flat, squared, straight.

Catalog No.	Style	Material	OAL mm	A mm	B mm	Pkg.
78250-2	EMS Style SM2	Anti-Acid/Anti-Mag SS	120	0.30	1.50	each



III Style SM3

Tips: for positioning SOT packages, flat, squared, straight.

Catalog No.	Style	Material	OAL mm	A mm	B mm	Pkg.
78250-3	EMS Style SM3	Anti-Acid/Anti-Mag SS	120	0.40	1.35	each



III Style SM103

Same as SM105, but with bent tips.



Catalog No.	Style	Material	OAL mm	A mm	B mm	Pkg.
78250-50	EMS Style SM103	Anti-Acid/Anti-Mag SS	120	0.30	1.60	each



III Style SM104

Tips: for handling and positioning 3 lead SOT packages, monolithic chip capacitors, etc.



Catalog No.	Style	Material	OAL mm	A mm	B mm	Pkg.
78250-104	EMS Style SM104	Anti-Acid/Anti-Mag SS	120	0.35	1.70	each



III Style SM105 (formerly SMD40)

Tips are "T" shaped with 2mm flat gripping edges.



Catalog No.	Style	Material	OAL mm	A mm	B mm	Pkg.
78250-40	EMS Style SM105	Anti-Acid/Anti-Mag SS	120	0.30	1.55	each



III Style SM106

Tips: for positioning all SOT packages horizontally. With flat base, long, fine shaped, straight 4 mm long tips.



Catalog No.	Style	Material	OAL mm	A mm	B mm	Pkg.
78250-106	EMS Style SM106	Anti-Acid/Anti-Mag SS	120	0.25	3.80	each



III Style SM107 (formerly SMD90)

Tips: perfect flat tip 60 degree angle.measure 1.2mm wide. For positioning all flat devices.



Catalog No.	Style	Material	OAL mm	A mm	B mm	Pkg.
78250-90	EMS Style SM107	Anti-Acid/Anti-Mag SS	120	0.15	1.40	each



III Style SM108 (formerly SMD10)

Tips: cut on a 45° with a 1.5mm perfect inside gripping groove. Ideal for positioning and gripping 1mm diameter components.



Catalog No.	Style	Material	OAL mm	A mm	B mm	Pkg.
78250-10	EMS Style SM108	Anti-Acid/Anti-Mag SS	120	0.30	1.50	each



III Style SM109

Tips: positioning, soldering 1mm wide components, 45°, no anti-crush feature, straight.



Catalog No.	Style	Material	OAL mm	A mm	B mm	Pkg.
78250-109	EMS Style SM109	Anti-Acid/Anti-Mag SS	120	0.25	2.00	each



EMS Surface Mount & Optoelectronic Tweezers (continued)

III Style SM110 (formerly SMD100)

Straight "T" shaped tips with a vertical groove inside for holding cylindrical objects up to 1 mm diameter. Absolutely perfect for holding and installing Omniprobe Tips (sold separately). Especially if you're using Cryo-lift out and have to install the tip with the rod already inserted into the SEM chamber. Forceps provide a firm grip and longitudinal stability reducing the chance of dropping the tip.



Catalog No.	Style	Material	OAL mm	A mm	B mm	Pkg.
78250-100	EMS Style SM110	Anti-Acid/Anti-Mag SS	120	0.45	2.00	each

III Style SM111 (formerly SMD90)

Same as SM 110, but the tips are bent on a 45 degree angle.



Catalog No.	Style	Material	OAL mm	A mm	B mm	Pkg.
78250-110	EMS Style SM111	Anti-Acid/Anti-Mag SS	115	0.50	1.50	each

III Style SM112 (formerly SMD60)

Tips are bent and cut on a 45 degree angle (2mm edge) and has a raised thickness inside for perfect control (anti-capillary).



Catalog No.	Style	Material	OAL mm	A mm	B mm	Pkg.
78250-78	EMS Style SM112	Anti-Acid/Anti-Mag SS	120	—	—	each

III Style SM115 (formerly SMD70)

Very fine rounded tips with groove inside on a 30° angle. Ideal for holding and positioning cylindrical devices (up to 1 mm diameter).



Catalog No.	Style	Material	OAL mm	A mm	B mm	Pkg.
78250-70	EMS Style SM115	Anti-Acid/Anti-Mag SS	120	0.60	0.85	each

III Style SM116

Tips: grooved, straight, for vertical positioning of cylindrical devices (up to 0.5 mm diam. or more).



Catalog No.	Style	Material	OAL mm	A mm	B mm	Pkg.
78250-116	EMS Style SM116	Anti-Acid/Anti-Mag SS	115	0.50	0.75	each

III Style SM117

Tips: For positioning SOT packages at 30° angle, flat, squared.



Catalog No.	Style	Material	OAL mm	A mm	B mm	Pkg.
78250-117	EMS Style SM117	Anti-Acid/Anti-Mag SS	120	0.40	1.50	each

III EMS SMD Precision Tweezer Kit, SS

Kit of 5 SMD tweezers - Anti-Acid/Anti-Mag SS. Includes styles: SM103, SM107, SM108, SM111, SM115. Top quality hard/foam wallet.

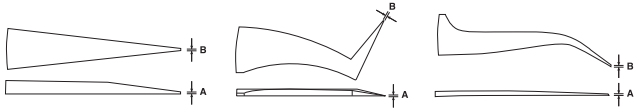


Catalog No.	Description	Pkg.
78250-K	EMS SMD Precision Tweezer Kit, SS	each

EMS LINE OF TWEEZERS

PTFE-Coated Tweezers

TIP DIMENSION GUIDE:



III Style 2A

High precision tweezers with flat, accurate, round tips. Provides a larger flat gripping surface for better handling of small objects without puncturing the membrane, wafer etc. Length: 120mm



Also available uncoated, see page 3.

Cat. No.	Material	A mm	B mm	Pkg.
72919-2ATe	Anti-Acid/Anti-Mag SS, "PTFE" Coating	0.07	1.70	each

III Style 2B

High precision tweezers with flat, accurate, round tips. Provides a larger flat gripping surface for better handling of small objects without puncturing the membrane, wafer etc. Length: 120mm



Also available uncoated, see page 3.

Cat. No.	Material	A mm	B mm	Pkg.
72919-2ABTe	Anti-Acid/Anti-Mag SS, "PVDF" Coating	0.11	1.50	each

III Style 3SA

Tips touching over 3mm (parallel tips), useful for handling tiny wires. Length: 120mm



Cat. No.	Material	A mm	B mm	Pkg.
78318-3SATe	Anti-Acid/Anti-Mag SS, "PTFE" Coating	0.1	0.15	each

III Style 5

Extra fine tips, superior finish. Length: 110mm



Also available uncoated, see page 4.

Cat. No.	Material	A mm	B mm	Pkg.
78320-5Te	"PTFE" Coating	0.06	0.10	each

III Style SS

High precision tweezers with flat, squared head, thin, strong tips. Length: 140mm

Also available uncoated, see page 6.

Cat. No.	Material	A mm	B mm	Pkg.
78325-SSSA	Anti-Acid/Anti-Mag SS, "PTFE" Coated	0.09	0.12	each

III Style 7

High precision tweezers with very fine, curved tips.. Length: 120mm



Also available uncoated, see page 5.

Cat. No.	Material	A mm	B mm	Pkg.
78322-7Te	"PTFE" Coating	0.09	0.16	each

III Style 321

Serrated handles. Tips: straight, rounded, flat. Length: 120 mm



Cat. No.	Material	A mm	B mm	Pkg.
78362-321	Anti-Acid/Anti-Mag SS, "PTFE" Coating	0.15	2.60	each

III Style 775

Serrated handles. Tips: straight, rounded, flat. Length: 120 mm



Also available epoxy-coated, see page 23.

Cat. No.	Material	A mm	B mm	Pkg.
78369-775	Anti-Acid/Anti-Mag SS, "PTFE" Coating	0.20	0.35	each

III Style AA

Boley tweezers, straight, sharp, fine tips. Length: 130mm



Cat. No.	Material	A mm	B mm	Pkg.
78325-AASA	Anti-Acid/Anti-Mag SS, "PTFE" Coated	0.15	0.35	each

III Style F

Tips: straight, flat, squared head, thin, strong, superior finish. Length: 120 mm



Cat. No.	Material	A mm	B mm	Pkg.
78325-FT	Anti-Acid/Anti-Mag SS, "PTFE" Coating	0.08	1.71	each

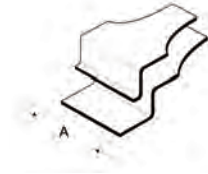


PTFE-Coated Tweezers (continued)

III Style 4WF

Wafer tweezers - serrated handles: handling 3", top fingers, stepped bottom paddle

Also available uncoated, see page 36.

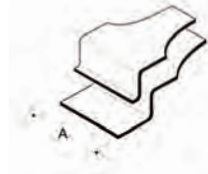


Cat. No.	Style	Material	Coating	Serration	OAL mm	A mm	Pkg.
4WF.SA.T	Style 4WF	AntiAcid/AntiMag SS	PTFE Coated full body	Serrated handles	125	12	each

III Style 6WF

Wafer tweezers - serrated handles: handling 6", top fingers, stepped bottom paddle

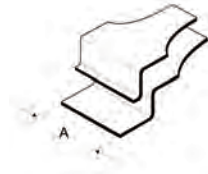
Also available uncoated, see page 37.



Cat. No.	Style	Material	Coating	Serration	OAL mm	A mm	Pkg.
6WF.SA.T	Style 6WF	AntiAcid/AntiMag SS	PTFE Coated full body	Serrated handles	130	20	each

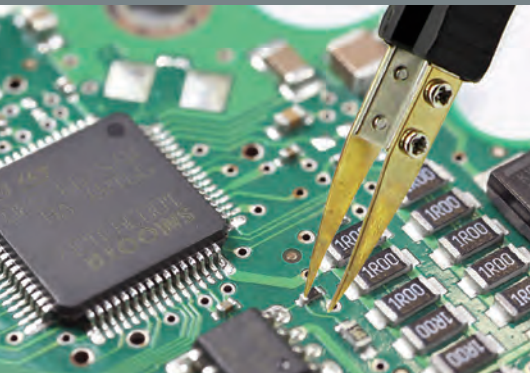
III Style 45WF

Wafer tweezers - serrated handles: handling 5", top fingers, flat bottom paddle



Cat. No.	Style	Material	Coating	Serration	OAL mm	A mm	Pkg.
45WF.SA.T	Style 45WF	AntiAcid/AntiMag SS	PTFE Coated full body	Serrated handles	130	16	each

You may also need... Smart Tweezers



III Quick-Test Auto-Scanning Tweezers

Precise, non-magnetic tips reliably contact smallest SMD. The Quick Test tweezers gives users an easy way to sort and evaluate loose components and to perform on-board measurements and debugging. Surface mount devices are usually tiny and without wire leads, making it much more difficult to test and identify SMD than conventional components. Precise tips, made of non-magnetic steel, are able to pick and reliably contact even the smallest SMD components, or take measurements from the device already mounted on a board. The probe can also be used to test conventional components with wire leads too short to insert into the test terminals.



Specifications

Resistance Range:

300/3K/30K/300K/3m/30M Ohms
| Resolution: 0.1 Ohms

Capacitance Range: 3/30/300/nF

| 3uF/30uF/300uF/3mF/30mF
| Resolution 1pF

Diode Check: Open Voltage: 2.8V

| Testing Current: 2mA

Continuity Check: When resistance is less than 30 ohms the buzzer will be activated

Weight 0.75 lb

- Measures AC/DC voltage, resistance, continuity & diode test
- Auto Scanning Mode/Auto range
- Testing pins gold plated to reduce resistance and prevent rust
- Uses Lithium battery CR2032, included
- Will automatically identify whether component is a resistor, capacitor or diode

Cat. No.	Description	Qty.
72907-01	Smart Tweezers, Straight Tips	each

EMS LINE OF TWEEZERS

ESD Foam Tweezers

Anti-magnetic precision tweezers with soft ESD ergonomic cushion grips (resistivity 10E8). Available with an ESD black Foam (DN) handle.

PVS Foam

- Very soft and elastic, good tear resistance
- Very good abrasion/wear resistance (improved life-time)
- Good chemical resistance (oils, grease, fuels, acids, detergents and soaps, alcohols)
- Electrically static dissipative, ESD-safe material
- Typical applications include ESD-safe handles, floor and work surface mats

Anti-magnetic anti-acid stainless steel (SA)

- Low carbon austenitic steel (Material number 1.4435, DIN X2CrNiMo18-14-3, AISI number 316L)
- Contains from 16.5 to 18.5 wt% chromium and important quantities of nickel and molybdenum as additional alloying elements
- Non-magnetizable
- Good corrosion resistance to most chemicals, salts and acids
- Generally used where corrosion resistance and toughness are primary requirements
- Typical applications include tweezers for the electronic industry, watch-makers, jewelers and laboratory and medical applications in moderately aggressive chemical environments

III Style 00

ESD foam grip tweezers with strong, thick tips



Catalog No.	Style	Material	Finish	OAL mm	A mm	B mm	Pkg.
00.SA.DN	Style 00	Anti-Acid/Anti-Mag SS	ESD Foam	120	-	-	each

III Style 2A

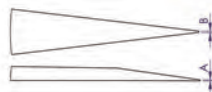
ESD foam grip tweezers with flat, accurate, round tips



Catalog No.	Style	Material	Finish	OAL mm	A mm	B mm	Pkg.
2A.SA.DN	Style 2A	Anti-Acid/Anti-Mag SS	ESD Foam	120	0.20	2.20	each

III Style 3

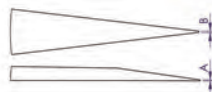
ESD foam grip tweezers with very sharp, fine tips



Catalog No.	Style	Material	Finish	OAL mm	A mm	B mm	Pkg.
3.SA.DN	Style 3	Anti-Acid/Anti-Mag SS	ESD Foam	120	0.15	0.20	each

III Style 3C

ESD foam grip tweezers with very sharp, fine tips



Catalog No.	Style	Material	Finish	OAL mm	A mm	B mm	Pkg.
3C.SA.DN	Style 3C	Anti-Acid/Anti-Mag SS	ESD Foam	110	0.15	0.10	each

III Style 5

ESD foam grip tweezers with fine, sharp tips



Catalog No.	Style	Material	Finish	OAL mm	A mm	B mm	Pkg.
5.SA.DN	Style 5	Anti-Acid/Anti-Mag SS	ESD Foam	110	0.15	0.10	each

III Style 7

ESD foam grip tweezers with fine, curved tips



Catalog No.	Style	Material	Finish	OAL mm	A mm	B mm	Pkg.
7.SA.DN	Style 7	Anti-Acid/Anti-Mag SS	ESD Foam	120	0.15	0.10	each

III Style 15AGW

ESD foam grip cutting tweezers with cutting tips



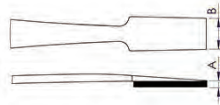
Catalog No.	Style	Material	Finish	OAL mm	A mm	B mm	Pkg.
15AGW.C.DN	Style 15AGW	Carbon Steel	ESD Foam	120	9.50	10.00	each

Component Positioning Tweezers

Designed specifically to hold delicate components firmly and safely.

III Style 5577

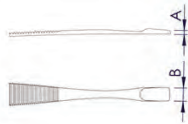
Component positioning tweezers - serrated handles: straight, copper cooling jaws (10mmx6mm)



Catalog No.	Style	Material	Serration	OAL mm	A mm	B mm	Pkg.
5577.SA	Style 5577	AntiAcid/AntiMag SS	Serrated handles	145	3	6	each

III Style 571

Component positioning tweezers - serrated handles: straight, grooved, for 2.5-5mm cylindrical device



Catalog No.	Style	Material	Serration	OAL mm	A mm	B mm	Pkg.
571.SA	Style 571	AntiAcid/AntiMag SS	Serrated handles	145	1.5	5	each

III Style 572

Component positioning tweezers - serrated handles: straight, grooved, for 2.5-5mm cylindrical device



Catalog No.	Style	Material	Serration	OAL mm	A mm	B mm	Pkg.
572.SA	Style 572	AntiAcid/AntiMag SS	Serrated handles	145	1.5	6	each

III Style 577

Component positioning tweezers - serrated handles: straight, grooved, for 2mm cylindrical device



Catalog No.	Style	Material	Serration	OAL mm	A mm	B mm	Pkg.
577.SA	Style 577	AntiAcid/AntiMag SS	Serrated handles	125	1	3	each

III Style 578

Component positioning tweezers - serrated handles: straight, grooved, for 2mm cylindrical device



Catalog No.	Style	Material	Serration	OAL mm	A mm	B mm	Pkg.
578.SA	Style 578	AntiAcid/AntiMag SS	Serrated handles	120	1.3	3.5	each

III Style 582

Component positioning tweezers - serrated handles: straight, grooved, for 1mm cylindrical device



Catalog No.	Style	Material	Serration	OAL mm	A mm	B mm	Pkg.
582.SA	Style 582	AntiAcid/AntiMag SS	Serrated handles	120	0.9	3.5	each

EMS LINE OF TWEEZERS

Super Slim and Long Tweezers

These long and slender tweezers work well in multiple precision applications and are especially well suited for working near heat sources. Made from SA steel.

III Style 60

Sharp, relieve tips.



Catalog No.	Description	AOL	Qty.
78348-60	EMS 60, SA	140mm	each

III Style 64A

Sharp, curve tips.



Catalog No.	Description	AOL	Qty.
78351-64A	EMS 64A, SA	140mm	each

III Style 65A

Sharp, bent tips.



Catalog No.	Description	AOL	Qty.
78351-65A	EMS 65A, SA	140mm	each
78551-65A	EMS 65A, NC – Ultra Fine	140mm	each

III Style 66

Sharp, double bent tips allow more visibility.



Catalog No.	Description	AOL	Qty.
78351-66	EMS 66, SA	140mm	each

III Style SS

Long and narrow straight tips.



Catalog No.	Description	AOL	Qty.
72919-SS	EMS SS, SA	140mm	each
72919-SSUF	EMS SS, NC – Ultra Fine	140mm	each

III Style SSL

Long and narrow tips, ergonomic shape. Length: 6" (150mm)



Catalog No.	Description	AOL	Qty.
78353-SSL	EMS SSL, SA	150mm	each

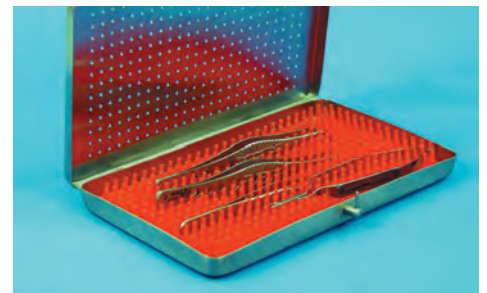
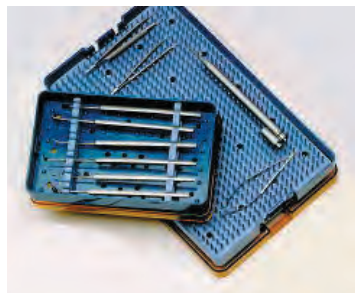
You may also need...Sterilizing Trays

III Sterilizing Tray – Plastic

- Trays are perforated
- Made from high Strength Ultem® Plastic
- Autoclave, Steam, Dry Heat, Chemical Sterilization is possible
- Has an extended Life Cycle
- Trays are stackable
- Economical and Flexible Design

Has flexible silicone mats which offer flexibility to layout the instruments for sterilization. A unique "grid" system exists in the base, tray and lid, making it easy to install the mat required, protecting yours instruments properly. The trays are stackable and they have integral feet in base and corner ridges on lids which allow for easier handling in the autoclave and for storage.

All bases have pebble-type surface to keep mats from sticking.



Catalog No.	Tray Size in (mm)	Description	Qty.
66114-01	6 x 2.5 x 1.25 (151 x 64 x 32)	Tray with Silicone Mat & Lid	each
66114-02	7.5 x 4 x 1.5 (191 x 102 x 38)	Tray with Silicone Mat & Lid	each
66114-03	10 x 6 x 1.5 (254 x 152.4 x 38)	Tray with Silicone Mat & Lid	each
66114-05	10 x 6 x 1.5 (254 x 152.4 x 38)	Deep Base/Insert Tray/2 Mats/Lid	each

III Stainless Steel Instrument Sterilizing Tray

This perforated tray comes complete with a silicone mat and a unique locking feature.

Catalog No.	Description	Qty.
66112-01	Tray 8½" x 5" x ¾"	each
66112-02	Tray 8" x 9¾" x ¾"	each
66112-03	Tray 16" x 9½" x ¾"	each

Flat-Tip Tweezers

Made from SA steel and they have serrated grips.

III Style 125

Smooth, flat, and no scratch tips.



Catalog No.	Description	AOL	Tip Width	Qty.
78332-125	EMS 125	120mm	4.4mm	each

III Style 125A

Same as #125 but with elongated tips.



Catalog No.	Description	AOL	Tip Width	Qty.
78332-125A	EMS 125A	120mm	2.7mm	each

III Style 127

Thin and square tips, straight.



Catalog No.	Description	AOL	Tip Width	Qty.
72972-SP	EMS 127	105mm	—	each

III Style 128

Thin and square tips, curved.



Catalog No.	Description	AOL	Tip Width	Qty.
72972-AP	EMS 128	105mm	—	each

III Style 33A

Flat round tips.



Catalog No.	Description	AOL	Tip Width	Qty.
78333-33A	EMS 33A	115mm	6.6mm	each

III Style 34A

Smooth and wide tips, good for handling delicate parts.



Catalog No.	Description	AOL	Tip Width	Qty.
78334-34A	EMS 34A	120mm	6.3mm	each

III Style 35A

Smooth and short wide tips.



Catalog No.	Description	AOL	Tip Width	Qty.
78335-35A	EMS 35A	120mm	6.7mm	each

III Style 35B

Same as Style 35A, but with curved tips.



Catalog No.	Description	AOL	Tip Width	Qty.
78211-01	Tweezers Style 35B	120mm	6.7mm	each
78211-06	Tweezers Style 35B	120mm	6.7mm	6/pk.

III Style 36A

Same as #34A but upward bent tips



Catalog No.	Description	AOL	Tip Width	Qty.
78336-36A	EMS 36A	120mm	6.2mm	each

III Style 574/A

Flat and tips bent upward.



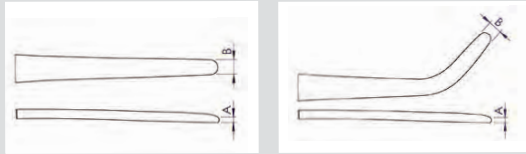
Catalog No.	Description	AOL	Tip Width	Qty.
78212-01	EMS Style 574/A	145	6mm	each
78212-06	EMS Style 574/A	145	6mm	6/pk.

EMS LINE OF TWEEZERS

Heavy Duty Tweezers

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

DIMENSION GUIDE:



III Style 29

Reverse action strong tweezers: straight, strong, blunt, rounded tips, rhomb serrated. Length: 165mm



Cat. No.	Material	A mm	B mm	Pkg.
29.SA	AntiAcid/AntiMag SS, Red plastic handle	1.5	2.5	each

III Style 30

Reverse action strong tweezers: strong, blunt, bent, rounded tips, rhomb serrated. Length: 160mm



Cat. No.	Material	A mm	B mm	Pkg.
30.SA	AntiAcid/AntiMag SS, Red plastic handle	1.5	2.5	each

III Style 31

Reverse action strong tweezers: straight, sharp, fine tips. Length: 115mm



Cat. No.	Material	A mm	B mm	Pkg.
31.SA	AntiAcid/AntiMag SS	0.3	0.2	each

III Style 57A

Strong tweezers - locking system: straight, strong, blunted tips, rhomb serrated. Length: 140mm



Cat. No.	Material	A mm	B mm	Pkg.
57A.SA	AntiAcid/AntiMag SS	0.5	0.7	each

III Style 7313

Strong tweezers - serrated handles: straight, flat, round, line serrated. Length: 130mm



Cat. No.	Material	A mm	B mm	Pkg.
7313.C.NP	Carbon Steel, Nickel Plated full body	1.5	3.3	each
7313.SA	AntiAcid/AntiMag SS	1.5	3.3	each

III Style 7313B

Strong tweezers - serrated handles: flat, round, bent, line serrated. Length: 130mm



Cat. No.	Material	A mm	B mm	Pkg.
7313B.C.NP	Carbon Steel, Nickel Plated full body	1.5	3.3	each
7313B.SA	AntiAcid/AntiMag SS	1.5	3.5	each

III Style 7314

Strong tweezers - serrated handles: straight, flat, round, line serrated. Length: 145mm



Cat. No.	Material	A mm	B mm	Pkg.
7314.C.NP	Carbon Steel, Nickel Plated full body	1.5	3.5	each
7314.SA	AntiAcid/AntiMag SS	1.5	3.5	each

III Style 7314B

Strong tweezers - serrated handles: strong, rounded, blunted, bent, line serrated. Length: 130mm



Cat. No.	Material	A mm	B mm	Pkg.
7314B.C.NP	Carbon Steel, Nickel Plated full body	1.5	3.5	each
7314B.SA	AntiAcid/AntiMag SS	1.5	3.5	each

III Style 7316

Strong tweezers - serrated handles: straight, strong, rounded, blunted, line serrated. Length: 160mm



Cat. No.	Material	A mm	B mm	Pkg.
7316.C.NP	Carbon Steel, Nickel Plated full body	1.8	3.5	each
7316.SA	AntiAcid/AntiMag SS	1.8	3.5	each

III Style 7316B

Strong tweezers - serrated handles: strong, rounded, blunted, bent, line serrated. Length: 155mm



Cat. No.	Material	A mm	B mm	Pkg.
7316B.C.NP	Carbon Steel, Nickel Plated full body	1.8	3.5	each
7316B.SA	AntiAcid/AntiMag SS	1.8	3.5	each

Heavy Duty Tweezers (continued)

III Style 7318

Strong tweezers - serrated handles: straight, strong, rounded, blunted, line serrated

Catalog No.	Style	Material	Finish	OAL mm	A mm	B mm	Pkg.
7318.C.NP	Style 7318	Carbon Steel	Nickel Plated full body	185	2	3.8	each



III Style 7318B

Strong tweezers - serrated handles: strong, rounded, blunted, bent, line serrated

Catalog No.	Style	Material	Finish	OAL mm	A mm	B mm	Pkg.
7318B.C.NP	Style 7318B	Carbon Steel	Nickel Plated full body	180	2	3.8	each



III Style 7320

Strong tweezers - serrated handles: straight, strong, rounded, blunted, line serrated

Catalog No.	Style	Material	Finish	OAL mm	A mm	B mm	Pkg.
7320.C.NP	Style 7320	Carbon Steel	Nickel Plated full body	200	2	4	each
7320.SA	Style 7320	AntiAcid/AntiMag SS	-	200	2	4	each



III Style 7320B

Strong tweezers - serrated handles: strong, rounded, blunted, bent, line serrated

Catalog No.	Style	Material	Finish	OAL mm	A mm	B mm	Pkg.
7320B.C.NP	Style 7320B	Carbon Steel	Nickel Plated full body	195	2	4	each
7320B.SA	Style 7320B	AntiAcid/AntiMag SS	-	195	2	4	each



III Style 7325

Strong tweezers - serrated handles: straight, strong, rounded, blunted, line serrated

Catalog No.	Style	Material	Finish	OAL mm	A mm	B mm	Pkg.
7325.C.NP	Style 7325	Carbon Steel	Nickel Plated full body	250	2	3.5	each
7325.SA	Style 7325	AntiAcid/AntiMag SS	-	250	2	3.5	each



III Style 7325B

Strong tweezers - serrated handles: strong, rounded, blunted, bent, line serrated

Catalog No.	Style	Material	Finish	OAL mm	A mm	B mm	Pkg.
7325B.C.NP	Style 7325B	Carbon Steel	Nickel Plated full body	250	2	4	each
7325B.SA	Style 7325B	AntiAcid/AntiMag SS	-	250	2	4	each



III Style 7330

Strong tweezers - serrated handles: straight, strong, rounded, blunted, line serrated

Catalog No.	Style	Material	Finish	OAL mm	A mm	B mm	Pkg.
7330.C.NP	Style 7330	Carbon Steel	Nickel Plated full body	300	2.5	5	each
7330.SA	Style 7330	AntiAcid/AntiMag SS	-	300	2.5	5	each



III Style 7330B

Strong tweezers - serrated handles: strong, rounded, blunted, bent, line serrated

Catalog No.	Style	Material	Finish	OAL mm	A mm	B mm	Pkg.
7330B.C.NP	Style 7330B	Carbon Steel	Nickel Plated full body	295	2.5	5	each
7330B.SA	Style 7330B	AntiAcid/AntiMag SS	-	295	2.5	5	each



EMS LINE OF TWEEZERS

Cutting Tweezers

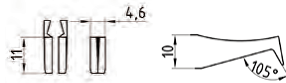
These Cutting Tweezers have been designed to meet requirements for different applications. With a high precision cut and narrow working areas, the tweezers are available with angled blades, parallel blades, and predominantly angled blades. Perfect for cutting soft wires, copper, gold, silver, and magnetic wires.

Carbon steel (Material number 1.1221, Ck60, AISI 1060)

- Contains from 0,57-0,65 wt% carbon
- Magnetizable
- Will be hardened by heat treatment, max. hardness 57 HRC
- Poor resistance to corrosion
- Used where strength and/or hardness are of primary concern.
- Typical applications include tweezers and cutting tools for the electronic industry, watch-makers, jewelers applications.

III Style 14A

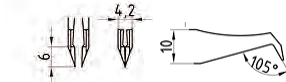
High precision cutting tweezers.
Predominantly angled blades.
Length: 115mm.



Cat. No.	Material	A mm	B mm	Pkg.
78325-14A	Carbon Steel	2.3	11	each

III Style 14AGW

High precision cutting tweezers.
Predominantly angled blades.
Length: 115mm.



Cat. No.	Material	A mm	B mm	Pkg.
78325-14AG	Carbon Steel	2.1	6	each

III Style 15A

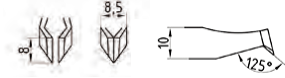
High precision cutting tweezers.
Angled cutting blades.
Length: 120mm.



Cat. No.	Material	A mm	B mm	Pkg.
7802-15A	Carbon Steel	4.25	12.00	each

III Style 15AFW

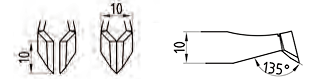
High precision cutting tweezers.
Predominantly angled blades.
Length: 115mm.



Cat. No.	Material	A mm	B mm	Pkg.
78325-15AF	Carbon Steel	4.25	8	each

III Style 15AGHM

High precision cutting tweezers.
Tungsten carbide insert.
Predominantly angled blades.
Length: 115mm.



Cat. No.	Material	A mm	B mm	Pkg.
78325-03	AntiAcid/AntiMag SS	5	10	each

III Style 15AGW

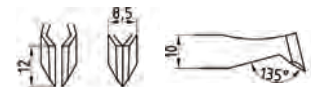
High precision cutting tweezers.
Predominantly angled blades.
Length: 115mm.



Cat. No.	Material	A mm	B mm	Pkg.
78325-04	Carbon Steel	4.75	10.00	each

III Style 15AP

High precision cutting tweezers.
Parallel blades.
Length: 120mm.



Cat. No.	Material	A mm	B mm	Pkg.
78325-05	Carbon Steel	4.25	12	each

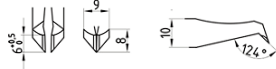
Cutting Tweezers (continued)

III Style 15ARW

High precision cutting tweezers.

Parallel blades.

Length: 115mm.



Cat. No.	Material	A mm	B mm	Pkg.
78325-06	Carbon Steel	4.5	6	each

III Style 15ASW

High precision cutting tweezers.

Predominantly angled blades.

Length: 115mm.



Cat. No.	Material	A mm	B mm	Pkg.
15ASW.C	Carbon Steel	3.6	10	each

III Style 152

High precision cutting tweezers.

Predominantly angled blades.

Length: 100mm.



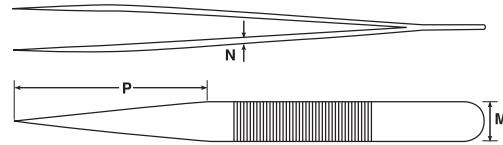
Cat. No.	Material	A mm	B mm	Pkg.
78325-152	Stainless Steel	1.35	4.3	each

For ESD Rubber Coated Cutting Tweezers, see page 21.

For ESD Epoxy Coated Cutting Tweezers, see page 23.

For ESD Foam Coated Cutting Tweezers, see page 28.

TIP DIMENSION GUIDE:



III Style 15A

For cutting hair sprigs, electronic component wires, copper, gold, silver and other soft wires. Large head, oblique strong cut at the cutter's tip. Cutting edge is limited to the tip area. Length 111mm.



Cat. No.	M mm	N mm	P mm	Pkg.
7802-15A	11.00	3.00	24.00	each

III Style 15AP

For cutting hair sprigs, electronic component wires, copper, gold, silver and other soft wires. Large head, parallel, strong cut. Length 111mm.



Cat. No.	M mm	N mm	P mm	Pkg.
7802-15AP	11.00	3.00	24.00	each

You may also need...

III Beaker-Store; Instrument Store

This unique beaker has a silicone bottom that allows you to store all of your tweezers and tools in cleaning solution and never damage the tips. Instruments may be placed in the beaker with the tips only immersed in distilled water and or cleaning solution. This allows the instruments to be kept clean and safe and ready to use. The Silicone bottom prevents the tips of the instruments from being damaged and the top of the beaker is compartmentalized and segmented allowing for each tool to be kept separate.

The beaker measures 10 cm in diameter and it is 8 cm in height.

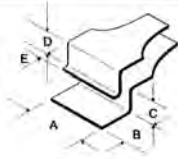


Catalog No.	Description	Qty.
68113-05	Beaker Store	each

EMS LINE OF TWEEZERS

Wafer Tweezers

These tweezers are especially designed for the handling of delicate and fragile silicon wafers, scintillation discs, glass slides, coverslips etc. Made from antimagnetic/anti acid steel with a very smooth surface and a non-glare finish.



III Style 2W



Catalog No.	Description	A mm	B mm	C mm	D mm	E mm	Qty.
78410-2W	EMS Style 2W	6.50	5.00	2.50	4.00	—	each

III Style 2WF

Wafer tweezers - serrated handles: handling 2", top fingers, stepped bottom paddle. Length: 120mm.



Catalog No.	Description	A mm	B mm	C mm	D mm	E mm	Qty.
2WF.SA	EMS Style 2WF	6.50	9.00	2.50	4.00	2.50	each

III Style 2WFCPR

Tips are made of PEEK/CF30, hold wafers gently. Replacement tips are available.



Catalog No.	Description	A mm	B mm	C mm	D mm	E mm	Qty.
78410-2WFC	EMS Style 2WFCPR	6.60	2.00	2.00	3.50	4.50	each
78410-2WFR	Replacement tips						set

III Style 2WFG

Wafer tweezers - serrated handles: handling 2", top fingers, stepped bottom paddle with grid. Length: 120mm.



Catalog No.	Description	A mm	B mm	C mm	D mm	E mm	Qty.
2WFG.SA	EMS Style 2WFG	6.50	9.00	2.50	4.00	2.50	each

III Style 2WL

Wafer tweezers - serrated handles: handling 2", top lip, stepped bottom paddle. Length: 120mm.



Catalog No.	Description	A mm	B mm	C mm	D mm	E mm	Qty.
2WL.SA	EMS Style 2WL	6.50	—	—	—	—	each

III Style 3WF



Catalog No.	Description	A mm	B mm	C mm	D mm	E mm	Qty.
78411-3WF	EMS Style 3WF	9.50	10.00	2.50	4.00	2.50	each

III Style 3WL

Wafer tweezers - serrated handles: handling 3", top lip, stepped bottom paddle. Length: 120mm.



Catalog No.	Description	A mm	B mm	C mm	D mm	E mm	Qty.
3WL.SA	EMS Style 3WL	9.50	10.00	2.50	4.00	2.50	each

III Style 4WF

Wafer tweezers - serrated handles: handling 3", top fingers, stepped bottom paddle. Length 125mm.



4WF.SA.T "PTFE" coated

Catalog No.	Description	A mm	B mm	C mm	D mm	E mm	Qty.
78414-4WF	EMS Style 4WF	12.00	9.00	—	4.00	2.50	each
4WF.SA.T	EMS Style 4WF "PTFE" coated	12.00	9.00	—	4.00	2.50	each

III Style 4WFCPR

Tips are made of PEEK/CF30, hold wafers gently. Replacement tips are available.



Catalog No.	Description	A mm	B mm	C mm	D mm	E mm	Qty.
78414-4WFC	EMS Style 4WFCPR	12.00	2.00	2.00	3.50	4.50	each
78414-4WFR	Replacement tips						set

III Style 4WFG

Wafer tweezers - serrated handles: handling 3", top fingers, stepped bottom paddle with grid. Length: 125mm.



Catalog No.	Description	A mm	B mm	C mm	D mm	E mm	Qty.
4WFG.SA	EMS Style 4WFG	12.00	9.00	2.50	4.00	2.50	each

Wafer Tweezers (continued)

III Style 4WL

Wafer tweezers - serrated handles: handling 3", top lip, stepped bottom paddle. Length: 125mm.



Catalog No.	Description	A mm	B mm	C mm	D mm	E mm	Qty.
4WL.SA	EMS Style 4WL	12.00	7.50	3.00	4.00	2.50	each

III Style 5WF

Wafer tweezers - serrated handles: handling 5", top fingers, stepped bottom paddle. Length: 130mm.



Catalog No.	Description	A mm	B mm	C mm	D mm	E mm	Qty.
5WF.SA	EMS Style 5WF	16.00	8.50	2.50	4.00	2.50	each

III Style 5WL

Wafer tweezers - serrated handles: handling 5", top lip, stepped bottom paddle. Length: 130mm.



Catalog No.	Description	A mm	B mm	C mm	D mm	E mm	Qty.
5WL.SA	EMS Style 5WL	16.00	8.50	2.50	4.00	2.50	each

III Style 6WF

Wafer tweezers - serrated handles: handling 6", top fingers, stepped bottom paddle. Length: 130mm.



Catalog No.	Description	A mm	B mm	C mm	D mm	E mm	Qty.
6WF.SA	EMS Style 6WF	20.00	8.50	2.50	4.00	2.50	each
6WF.SA.T	EMS Style 6WF "PTFE" Coated	20.00	8.50	2.50	4.00	2.50	each

Catalog No.	Description	A mm	B mm	C mm	D mm	E mm	Qty.
6WF.SA	EMS Style 6WF	20.00	8.50	2.50	4.00	2.50	each
6WF.SA.T	EMS Style 6WF "PTFE" Coated	20.00	8.50	2.50	4.00	2.50	each

III Style 6WL

Wafer tweezers - serrated handles: handling 6", top lip, stepped bottom paddle. Length: 130mm.



Catalog No.	Description	A mm	B mm	C mm	D mm	E mm	Qty.
6WL.SA	EMS Style 6WL	20.00	8.50	2.50	4.00	2.50	each

III Style 8WF

Wafer tweezers - serrated handles - tips: handling 6", top fingers, stepped bottom paddle. OAL: 135mm



Catalog No.	Description	A mm	B mm	C mm	D mm	E mm	Qty.
78420-8WF	EMS Style 8WF	28.50	12.00	2.20	3.50	2.50	each

III Style 8WNY

Wafer tweezers - Anti-Acid/Anti-Mag SS, Nylon tips - serrated handles - tips: handling 8", top lip, stepped bottom paddle. OAL: 150mm



Catalog No.	Description	A mm	B mm	C mm	D mm	E mm	Qty.
78422-8WNY	EMS Style 8WNY	65.00	19.00	1.30	2.00	—	each

III Style 35S



Catalog No.	Description	A mm	B mm	C mm	D mm	E mm	Qty.
78411-35S	EMS Style 35S	29.00	5.50	—	3.00	—	each

III Style 38FG



Catalog No.	Description	A mm	B mm	C mm	D mm	E mm	Qty.
78411-38FG	EMS Style 38FG	9.50	11.00	—	4.00	2.50	each

EMS LINE OF TWEEZERS

Wafer Tweezers (continued)

III Style 39S2



Catalog No.	Description	A mm	B mm	C mm	D mm	E mm	Qty.
78412-39S2	EMS Style 39S2	6.50	8.50	—	5.50	2.40	each

III Style 39S3



Catalog No.	Description	A mm	B mm	C mm	D mm	E mm	Qty.
78412-39S3	EMS Style 39S3	9.50	8.50	—	5.50	2.40	each

III Style 41W



Catalog No.	Description	A mm	B mm	C mm	D mm	E mm	Qty.
78414-41W	EMS Style 41W	28.00	12.00	—	5.00	5.00	each

III Style 43WFG



Catalog No.	Description	A mm	B mm	C mm	D mm	E mm	Qty.
78414-43WFG	EMS Style 43WFG	9.50	8.50	—	3.50	2.50	each

III Style 44WF



Catalog No.	Description	A mm	B mm	C mm	D mm	E mm	Qty.
78414-44WF	EMS Style 44W	12.00	8.50	—	3.50	2.50	each

III Style 45WF

Wafer tweezers - serrated handles: handling 5", top fingers, flat bottom paddle. "PTFE" coated. Length: 130mm.



Catalog No.	Description	A mm	B mm	C mm	D mm	E mm	Qty.
45WF.SA.T	EMS Style 45WF "PTFE" coated	16.00	—	—	—	—	each

III Style 48WF

Wafer tweezers - serrated handles: handling 6", top fingers, flat bottom paddle. Length: 135mm.



Catalog No.	Description	A mm	B mm	C mm	D mm	E mm	Qty.
78414-48WF	EMS Style 48WF	28.00	9.00	—	4.00	2.50	each

III Style 85C

Wafer tweezers - serrated handles: handling 2", top lip, stepped bottom paddle. Length: 115mm.



Catalog No.	Description	A mm	B mm	C mm	D mm	E mm	Qty.
85C.SA	EMS Style 85C	7.00	4.50	3.00	4.00	2.00	each

III Style 600M – Bent



Catalog No.	Description	A mm	B mm	C mm	D mm	E mm	Qty.
78425-600M	EMS Style 600M	20.00	11.00	—	—	2.30	each

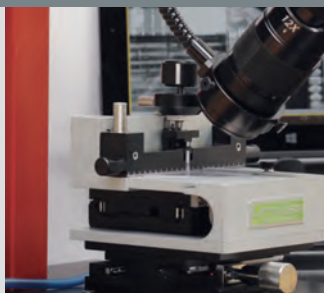
III Style 96



Catalog No.	Description	A mm	B mm	C mm	D mm	E mm	Qty.
78426-96	EMS Style 96	14.50	10.50	9.00	—	—	each

You may also need... Wafer Cleaving Tools and General Accessories

See our website for a full selection of Silicon Wafer Cleaving Systems, Tools, and General Accessories, including LatticeAx.



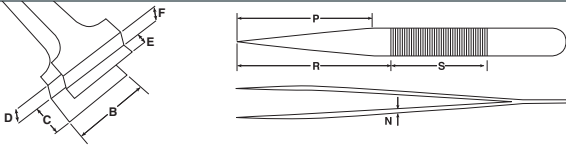
Small Sample Cleaver



FlipScribe



Wafer Tweezers (continued)



DIMENSION GUIDE

III Style 41LB6



Dimensions:
B: 19.50mm, **C:** 9.00mm, **D:** —, **E:** 2.00mm, **F:** 3.00mm
M: 11.00mm, **N:** 2.00mm, **R:** 52.00mm, **S:** 42.00mm

Catalog No.	Description	OAL mm	Qty.
7803-41LB6	Style 41LB6	130	each

III Style 41LB8



Dimensions:
B: 27.00mm, **C:** 9.00mm, **D:** —, **E:** 2.00mm, **F:** 3.00mm
M: 12.00mm, **N:** 2.00mm, **R:** 56.00mm, **S:** 42.00mm

Catalog No.	Description	OAL mm	Qty.
7803-41LB8	Style 41LB8	135	each

III Style 43LB12

Dimensions:
B: 40.00mm, **C:** 26.00mm, **D:** 7.00mm, **E:** 2.00mm, **F:** 3.00mm
M: 13.00mm, **N:** 2.00mm, **R:** 86.00mm, **S:** 42.00mm

Catalog No.	Description	OAL mm	Qty.
7803-43LB12	Style 43LB12	200	each

III Style 43LB14

Dimensions:
B: 48.50mm, **C:** 35.00mm, **D:** 8.00mm, **E:** 2.00mm, **F:** 3.00mm
M: 13.00mm, **N:** 2.00mm, **R:** 95.00mm, **S:** 42.00mm

Catalog No.	Description	OAL mm	Qty.
7803-43LB14	Style 43LB14	208	each

III Style ARG

For large size wafers, as well as for holding slides in the lab.



Dimensions:
B: 60.00mm, **C:** 3.00mm, **D:** 3.00mm, **E:** 3.00mm, **F:** 3.00mm
M: 11.00mm, **N:** 2.00mm, **R:** 52.00mm, **S:** 42.00mm

Catalog No.	Description	OAL mm	Qty.
7803-ARG	Style ARG	130	each

III Style NW



Dimensions:
B: 16.00mm, **C:** 6.00mm, **D:** —, **E:** —, **F:** —
M: 11.00mm, **N:** 2.00mm, **R:** 52.00mm, **S:** 42.00mm

Catalog No.	Description	OAL mm	Qty.
7803-NW	Style NW	130	each



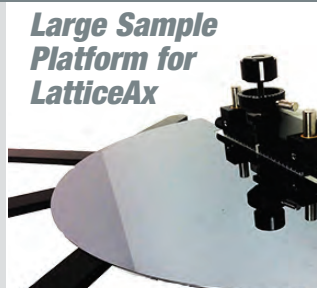
You may also need... Wafer Cleaving Tools and General Accessories



FlexScribe Station



Small Sample Scribing and Cleaving Kit



Large Sample Platform for LatticeAx

See our website for a downloadable brochure of these products, and more.

EMS LINE OF TWEEZERS

General Purpose Tweezers

III Style 119

Fine and extremely accurate serration tips. Length: 6" (150mm)



Catalog No.	Description	Qty.
78354-119	EMS 119	each

III Style 119L

Long, and strong tips. Length: 7" (180mm)



Catalog No.	Description	Qty.
78354-119L	EMS 119L	each

III Style 120

Strong and dull tips. Length: 6" (150mm)



Catalog No.	Description	Qty.
78355-120	EMS 120	each

III Style 120A

Short, fine and sturdy tips. Length: 4 1/4" (110mm)



Catalog No.	Description	Qty.
78355-120A	EMS 120A	each

III Style 121

Serrated handles. Tips: straight, very strong, blunt, rhomb serrated. Length: 6 1/4" (160mm)



Catalog No.	Description	Qty.
78356-121	EMS 121	each

III Style 122

Fine, bent, serrated tips. Length: 6" (150mm)



Catalog No.	Description	Qty.
78357-122	EMS 122	each

III Style 123

Fine, double bent tips. Length: 6" (150mm)



Catalog No.	Description	Qty.
78358-123	EMS 123	each

III Style 124

Same as 122 but stronger and blunt tips. Length: 6" (150mm)



Catalog No.	Description	Qty.
78359-124	EMS 124	each

III Style 321

Flat and elongated tips. Length: 4 3/4" (120mm)



Catalog No.	Description	Qty.
78362-321	EMS 321	each

III Style 646

Curved, serrated tips with guide pin. Length 6" (150mm)



Catalog No.	Description	Qty.
78365-646	EMS 646	each

III Style 647

Serrated handles - tips: straight, strong, blunt, precision, rhomb serrated. Length: 5" (125mm)



Catalog No.	Description	Qty.
78365-647	EMS 647	each

III Style 649

Nickel plated - serrated handles - tips: bent, strong, fine, line serrated. Strong, fine, bent, alignment pin. Length: 6" (155mm)



Catalog No.	Description	Qty.
78365-649	EMS 649	each

III Style 775

Bent and fine tips with PVC coated handle. Length: 6 1/8" (155mm)



Catalog No.	Description	Qty.
78369-775	EMS 775	each

III Style 61A

Curved tips with slits on both tips. Used for handling thin discs. Length: 4 1/4" (110mm)



Catalog No.	Description	Qty.
78349-61A	EMS 61A	each

III Style GG

Long and strong tips. Length: 5" (130mm). Nickel Plated



Catalog No.	Description	Qty.
78372-GG	EMS GG	each

EMS Fiber Tip Tweezers

Antimagnetic Steel handles.

High-performance Plastic type CP - PEEK/CF30

(Polyetheretherketone reinforced with 30 wt% carbon fiber)

- Very hard, high tensile and flexural strength.
- High heat (260 to 300°C) resistance to thermal aging.
- Excellent chemical resistance.
- ESD safe – low surface resistivity (102 Ohm).

Engineering Plastic type CF - PA66/CF30

(Polyamide 66 reinforced with 30 wt% carbon fiber)

- Heat stable (-40°C to 190°C).
- Rigidity, excellent tensile strength and flexural strength.
- Good chemical resistance (oils, greases, fuels, non-polar solvents); not resistant to strong acids, alkalis and hot water or steam.
- ESD safe, (avoids dust attraction, sparks, ignition sources).
- Good conductivity.

Non Conductive Plastic RF – PET/GF30

(Polyethylene terephthalate reinforced with 30 wt% glass fiber)

- High tensile and flexural strength.
- Good chemical resistance and low moisture absorption.
- Electrically insulating.
- High temperature capability.
- White in color.

DIMENSION GUIDE

**III Style 00**

Catalog No.	Description	A mm	B mm	C mm	Qty.
78080-CP	EMS 00 PEEK	130	1.00	2.00	each
78080-CF	EMS 00 CF	130	1.00	2.00	each

III Style 2A

Catalog No.	Description	A mm	B mm	C mm	Qty.
78084-CP	EMS 2A PEEK	130	1.80	1.00	each
78084-CF	EMS 2A CF	130	1.80	1.00	each

III Style 2AB

Catalog No.	Description	A mm	B mm	C mm	Qty.
78085-CP	EMS 2AB PEEK	130	1.80	1.00	each
78080-CF	EMS 2AB CF	130	1.80	1.00	each
78080-P	EMS 2AB PVDF	130	1.80	1.00	each

III Style 3

Catalog No.	Description	A mm	B mm	C mm	Qty.
78090-CP	EMS 3 PEEK	130	1.00	2.00	each
78090-CF	EMS 3 CF	130	1.00	2.00	each
78090-CFZ	EMS 3 CF	130	1.00	2.00	dozen

III Style 5

Catalog No.	Description	A mm	B mm	C mm	Qty.
78092-CP	EMS 5 PEEK	130	0.50	0.60	each
78092-CF	EMS 5 CF	130	0.50	0.60	each
78092-CFZ	EMS 5 CF	130	0.50	0.60	dozen

III Style 5X

Catalog No.	Description	A mm	B mm	C mm	Qty.
78094-CP	EMS 5X PEEK	130	0.50	0.60	each
78094-CF	EMS 5X CF	130	0.50	0.60	each
78094-CFZ	EMS 5X CF	130	0.50	0.60	dozen

III Style 7

Catalog No.	Description	A mm	B mm	C mm	Qty.
78095-CP	EMS 7 PEEK	130	0.60	0.60	each
78095-CF	EMS 7 CF	130	0.60	0.60	each

III Style 248

Catalog No.	Description	A mm	B mm	C mm	Qty.
78014-CP	EMS 248 PEEK	130	10.00	1.80	each
78014-RF	EMS 248 RF	130	10.00	1.80	each
78014-RFZ	EMS 248 RF	130	10.00	1.80	dozen

III Style 249

Catalog No.	Description	A mm	B mm	C mm	Qty.
78008-CF	EMS 249 CF	130	1.00	2.00	each

III Style 250

Catalog No.	Description	A mm	B mm	C mm	Qty.
78016-CP	EMS 250 PEEK	130	10.00	1.80	each
78016-RF	EMS 250 RF	130	10.00	1.80	each

III Style 259

Catalog No.	Description	A mm	B mm	C mm	Qty.
78010-CP	EMS 259 PEEK	130	0.60	1.00	each
78010-RF	EMS 259 RF	130	0.60	1.00	each
78010-RFZ	EMS 259 RF	130	0.60	1.00	dozen

III Style 269

Catalog No.	Description	A mm	B mm	C mm	Qty.
78012-CP	EMS 269 PEEK	130	3.00	1.80	each
78012-CF	EMS 269 CF	130	3.00	1.80	each
78012-RF	EMS 269 RF	130	3.00	1.80	each
78012-RFZ	EMS 269 RF	130	3.00	1.80	dozen

For EMS Replaceable Tip Tweezers, see pages 42–47.

EMS LINE OF TWEEZERS

Plastic Replaceable Tip Tweezers

Specially designed for the electronics industry, these tweezers feature durable and self-aligning replacement tips, anti-magnetic stainless steel handles and are available with a variety of tip geometries and materials: they offer a significant cost savings. Excellent for handling sensitive electronic components, and ceramic and glass parts where non-metallic non-scratching is critical. Replaceable tip sets come with 2 tips and 3 screws. The easiest and most precise replacement system available in the tweezers market.

Plastic Type: Carbon Fiber

Typical applications include handling of sensitive components and devices (electronic components, micro-mechanical parts, glass and ceramic substrates, capillary, etc.)

- PA66/CF30 polyamide 66 reinforced with 30 wt% carbon fiber
- Heat stabilized
- Very high rigidity, excellent tensile and flexural strength, fatigue and creep resistance
- Low friction, self lubricating properties, excellent wear and abrasion resistance
- Good heat capability
- Good chemical resistance (oils, grease, fuels, non polar solvents); not resistant to strong acids, alkalis and hot water or steam
- ESD safe material, (avoid powder attraction, sparks generation, ignition sources).
- Very low coefficient of linear thermal expansion

Plastic Type Carbon PEEK

Typical applications include handling of components in cleaning/chemical/assembly processes also at high temperature (soldering)

- PEEK polyetheretherketone reinforced with carbon fiber
- Very hard, rigid, high tensile and flexural strength, very high wear resistance
- High heat capability (260-300°C), good dimension stability, low thermal linear expansion coefficient
- Excellent resistance to chemicals and aggressive agents, excellent resistance to thermal ageing
- ESD-safe material

Plastic Type PVDF

Typical applications include handling of very scratch- and contamination-sensitive components, cleaning and etching processes.

- Heat stabilized, high heat capability, continuous use up to 150°C
- Clean room and medical devices approved, low extraction value
- Excellent chemical resistance to mineral and organic acids, and solvents (hydrocarbons, alcohols, halogenated), resistant to halogens
- Outstanding resistance to hydrofluoric acid (40% conc., 90°C), nitric acid (50% conc., 90°C), hydrochloric acid (36% conc., 90°C)

III Style 00

Plastic replaceable tip tweezers with flat edges, thick tips.



Catalog No.	Style	Material	Tip Material	OAL mm	A mm	B mm	Pkg.
78325-19	Style 00	Anti-Acid/Anti-Mag SS	Carbon fiber	130	1.00	1.00	each
78325-45	Style 00 tips	-	Carbon fiber	40	1.00	1.00	set
78325-45P	Style 00 tips	-	PVDF	40	1.00	1.00	set

III Style 2

Tips: straight, very sharp, pointed.



Catalog No.	Style	Material	Tip Material	OAL mm	A mm	B mm	Pkg.
78325-2	Style 2	Anti-Acid/Anti-Mag SS	Carbon fiber	130	0.50	1.00	each
A2CF	Style 2 tips	—	Carbon fiber	40	0.50	1.00	set

III Style 2A

Plastic replaceable tip tweezers with wide flat duckbill tips.



Catalog No.	Style	Material	Tip Material	OAL mm	A mm	B mm	Pkg.
78325-28	Style 2A	Anti-Acid/Anti-Mag SS	Carbon fiber	130	0.50	2.00	each
78325-30	Style 2A Reverse Action	Anti-Acid/Anti-Mag SS	Carbon fiber	125	0.50	2.00	each
78325-57	Style 2A tips	-	Carbon fiber	40	0.50	2.00	set
2ACPR.SA	Style 2A	Anti-Acid/Anti-Mag SS	Carbon PEEK	130	0.50	2.00	each
78325-31	Style 2A Reverse Action	Anti-Acid/Anti-Mag SS	Carbon PEEK	125	0.50	2.00	each
78325-58	Style 2A tips	-	Carbon PEEK	40	0.50	2.00	set
78325-29	Style 2A	Anti-Acid/Anti-Mag SS	PVDF	130	0.50	2.00	each
78325-32	Style 2A Reverse Action	Anti-Acid/Anti-Mag SS	PVDF	125	0.50	2.00	each
78325-59	Style 2A tips	-	PVDF	40	0.50	2.00	set

Plastic Replaceable Tip Tweezers (continued)

III Style 2AB

Plastic replaceable tip tweezers with curved, wide, flat duckbill tips.



Catalog No.	Style	Material	Tip Material	OAL mm	A mm	B mm	Pkg.
2ABCFR.SA	Style 2AB	Anti-Acid/Anti-Mag SS	Carbon fiber	130	0.50	2.00	each
78325-55	Style 2AB tips	-	Carbon fiber	40	0.50	2.00	set
2ABCP.R.SA	Style 2AB	Anti-Acid/Anti-Mag SS	Carbon PEEK	130	0.50	2.00	each
78325-56	Style 2AB tips	-	Carbon PEEK	40	0.50	2.00	set

III Style 3

Plastic replaceable tip tweezers with very sharp, pointed tips.



Catalog No.	Style	Material	Tip Material	OAL mm	A mm	B mm	Pkg.
78325-35	Style 3	Anti-Acid/Anti-Mag SS	Carbon fiber	130	0.70	0.70	each
78325-61	Style 3 tips	-	Carbon fiber	40	0.70	0.70	set
3CPR.SA	Style 3	Anti-Acid/Anti-Mag SS	Carbon PEEK	130	0.70	0.70	each
A3CP	Style 3 tips	-	Carbon PEEK	40	0.70	0.70	set

III Style 3C

Plastic replaceable tip tweezers with very sharp, pointed tips.



Catalog No.	Style	Material	Tip Material	OAL mm	A mm	B mm	Pkg.
78325-34	Style 3	Anti-Acid/Anti-Mag SS	Carbon fiber	115	0.70	0.70	each
78325-61	Style 3 tips	-	Carbon fiber	40	0.70	0.70	set

III Style 5

Plastic replaceable tip tweezers with very fine tips.



Catalog No.	Style	Material	Tip Material	OAL mm	A mm	B mm	Pkg.
78325-37	Style 5	Anti-Acid/Anti-Mag SS	Carbon fiber	130	0.50	0.50	each
78325-39	Style 5 Reverse Action	Anti-Acid/Anti-Mag SS	Carbon fiber	125	0.50	0.50	each
78325-63	Style 5 tips	-	Carbon fiber	40	0.50	0.50	set
5CPR.SA	Style 5	Anti-Acid/Anti-Mag SS	Carbon PEEK	130	0.50	0.50	each
5XCPR.SA	Style 5 Reverse Action	Anti-Acid/Anti-Mag SS	Carbon PEEK	125	0.50	0.50	each
78325-64	Style 5 tips	-	Carbon PEEK	40	0.50	0.50	set
78325-38	Style 5	Anti-Acid/Anti-Mag SS	PVDF	130	0.50	0.50	each
78325-65	Style 5 tips	-	PVDF	40	0.50	0.50	set

III Style 7

Plastic replaceable tip tweezers with curved, very fine tips.



Catalog No.	Style	Material	Tip Material	OAL mm	A mm	B mm	Pkg.
78325-40	Style 7	Anti-Acid/Anti-Mag SS	Carbon fiber	130	0.50	0.50	each
78325-66	Style 7 tips	-	Carbon fiber	40	0.50	0.50	each
7CPR.SA	Style 7	Anti-Acid/Anti-Mag SS	Carbon PEEK	130	0.50	0.50	each
78325-67	Style 7 tips	-	Carbon PEEK	40	0.50	0.50	each
78325-41	Style 7	Anti-Acid/Anti-Mag SS	PVDF	130	0.50	0.50	each
78325-68	Style 7 tips	-	PVDF	40	0.50	0.50	each

EMS LINE OF TWEEZERS

Plastic Replaceable Tip Tweezers (continued)

III Style 242

Plastic replaceable tip tweezers with narrow, flat duckbill tips.



Catalog No.	Style	Material	Tip Material	OAL mm	A mm	B mm	Pkg.
78325-20	Style 242	Anti-Acid/Anti-Mag SS	Carbon fiber	130	0.50	1.50	each
78325-46	Style 242 tips	-	Carbon fiber	40	0.50	1.50	each
78325-21	Style 242	Anti-Acid/Anti-Mag SS	Carbon PEEK	130	0.50	1.50	each
78325-47	Style 242 tips	-	Carbon PEEK	40	0.50	1.50	each
78325-22	Style 242	Anti-Acid/Anti-Mag SS	PVDF	130	0.50	1.50	each
78325-48	Style 242 tips	-	PVDF	40	0.50	1.50	each

III Style 246

Plastic replaceable tip tweezers with thin, angled head: 9mm 45°.



Catalog No.	Style	Material	Tip Material	OAL mm	A mm	B mm	Pkg.
78325-23	Style 246	Anti-Acid/Anti-Mag SS	Carbon fiber	125	0.50	0.50	each
78325-49	Style 246 tips	-	Carbon fiber	40	0.50	0.50	each
78325-49P	Style 246 tips	-	Carbon PEEK	40	0.50	0.50	each
78325-23P	Style 246	Anti-Acid/Anti-Mag SS	PVDF	125	0.50	0.50	each
78325-50P	Style 246 tips	-	PVDF	40	0.50	0.50	each

III Style 249

Plastic replaceable tip tweezers with strong, thick tips.



Catalog No.	Style	Material	Tip Material	OAL mm	A mm	B mm	Pkg.
78325-24	Style 249	Anti-Acid/Anti-Mag SS	Carbon fiber	130	1.00	2.00	each
78325-50	Style 249 tips	-	Carbon fiber	40	1.00	2.00	each
78325-25	Style 249	Anti-Acid/Anti-Mag SS	Carbon PEEK	130	1.00	2.00	each
78325-51	Style 249 tips	-	Carbon PEEK	40	1.00	2.00	each
78325-25P	Style 249	Anti-Acid/Anti-Mag SS	PVDF	130	1.00	2.00	each
78325-51P	Style 249 tips	-	PVDF	40	1.00	2.00	each

III Style 259

Plastic replaceable tip tweezers with strong, pointed tips.



Catalog No.	Style	Material	Tip Material	OAL mm	A mm	B mm	Pkg.
78325-26	Style 259	Anti-Acid/Anti-Mag SS	Carbon fiber	130	0.50	0.50	each
78325-52	Style 259 tips	-	Carbon fiber	40	0.50	0.50	set
259CPR.SA	Style 259	Anti-Acid/Anti-Mag SS	Carbon PEEK	130	0.50	0.50	each
78325-53	Style 259 tips	-	Carbon PEEK	40	0.50	0.50	set
78325-27	Style 259	Anti-Acid/Anti-Mag SS	PVDF	130	0.50	0.50	each
78325-54	Style 259 tips	-	PVDF	40	0.50	0.50	set
78325-26D	Style 259	Anti-Acid/Anti-Mag SS	Delrin	130	0.50	0.50	each

Plastic Replaceable Tip Tweezers (continued)

III Style 272

Plastic replaceable tip tweezers with strong, pointed tips.



Catalog No.	Style	Material	Tip Material	OAL mm	A mm	B mm	Pkg.
78325-272	Style 272	Anti-Acid/Anti-Mag SS	Carbon fiber	130	0.70	3.00	each
78325-54C	Style 272 tips	-	Carbon fiber	40	0.70	3.00	set

III Style 277

Plastic replaceable tip tweezers with strong, pointed tips.



Catalog No.	Style	Material	Tip Material	OAL mm	A mm	B mm	Pkg.
78325-277	Style 277	Anti-Acid/Anti-Mag SS	Carbon fiber	130	0.70	3.00	each
78325-54CF	Style 277 tips	-	Carbon fiber	40	0.70	3.00	set

III Style 279

Plastic replaceable tip tweezers with strong, pointed tips.



Catalog No.	Style	Material	Tip Material	OAL mm	A mm	B mm	Pkg.
78325-279	Style 279	Anti-Acid/Anti-Mag SS	Carbon fiber	130	1.15	2.00	each
78325-55C	Style 279 tips	-	Carbon fiber	40	1.15	2.00	set

III Style 2WF

Plastic replaceable tip tweezers with handling 2", fine, round, strong top fingers, stepped bottom paddle.



Catalog No.	Style	Material	Tip Material	OAL mm	A mm	B mm	Pkg.
78325-33	Style 2WF	Anti-Acid/Anti-Mag SS	PVDF	130	0.50	6.60	each
78325-60	Style 2WF tips	-	PVDF	40	0.50	6.60	set

III Style 4WF

Plastic replaceable tip tweezers with handling 4", flat round, stepped bottom paddle.



Catalog No.	Style	Material	Tip Material	OAL mm	A mm	B mm	Pkg.
4WFCPR.SA	Style 4WF	Anti-Acid/Anti-Mag SS	Carbon PEEK	130	1.00	12.00	each
A4WFCP	Style 4WF tips	-	Carbon PEEK	40	1.00	12.00	set
78325-36	Style 4WF	Anti-Acid/Anti-Mag SS	PVDF	130	1.00	12.00	each
78325-62	Style 4WF tips	-	PVDF	40	1.00	12.00	set

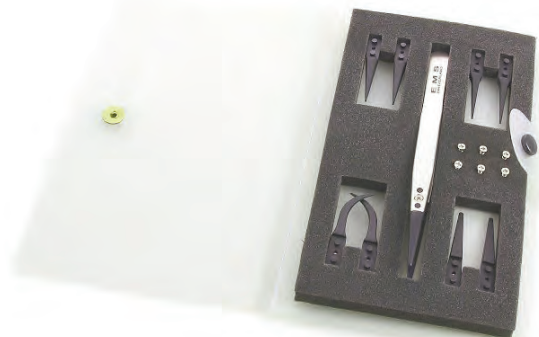
III Plastic Replaceable Tip Tweezer Kit

5 tips, one tweezer — Carbon Fiber.

Includes tip styles: 249, 7, 5, 259, and 2A.

Encased in a top quality hard/foam wallet.

Catalog No.	Description	Pkg.
78325-42	Plastic Replaceable Tip Tweezer Kit	kit



EMS LINE OF TWEEZERS

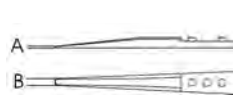
Ceramic Replaceable Tip Tweezers

Zirconia ceramic precision tips (MZ) and ESD ceramic precision tips (ZJ). Contamination free, high temperature (1400°C) wear and solder resistant. Stainless steel (SA) handles. PATENT PENDING NO. 1750/97, Alignable replaceable tips.

- Zirconia Toughened Alumina (ZTA)
- A superior combination of high strength (from zirconia) and high hardness (from alumina)
- Relatively low density
- No open porosity
- Very hard surface, good abrasion and wear resistance
- Good flexural strength and fracture toughness
- Excellent thermal properties and high temperature stability
- Extreme corrosion resistance, nearly chemically inert
- Typical applications include soldering processes and handling of components during thermal and chemical processes.
- Available in ESD safe static dissipative material for handling of EOS/ESD sensitive components and in electrically insulating ceramic.

III Style 2A

Ceramic replaceable tip tweezers with flat duckbill tips



78127-2A

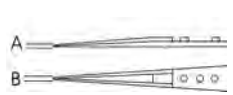


2AZJK.SA

Catalog No.	Style	Material	Tip Material	OAL mm	A mm	B mm	Pkg.
78127-2A	Style 2A	Anti-Acid/Anti-Mag SS	Ceramic	140	0.30	2.00	each
78127-2A-T	Style 2A tips	-	Ceramic	50	0.30	2.00	each
2AZJK.SA	Style 2A	Anti-Acid/Anti-Mag SS	ESD Ceramic	130	0.30	2.00	each
A2AZJK	Style 2A tips	-	ESD Ceramic	40	0.30	2.00	each

III Style 71

Ceramic replaceable tip tweezers with thin, fine tips



78127-71

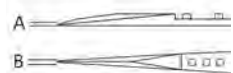


2AZJK.SA

Catalog No.	Style	Material	Tip Material	OAL mm	A mm	B mm	Pkg.
78127-71	Style 71	Anti-Acid/Anti-Mag SS	Ceramic	135	0.45	0.70	each
78325-71-RT	Style 71 tips	-	Ceramic	45	0.45	0.70	each
71ZJ.SA	Style 71	Anti-Acid/Anti-Mag SS	ESD Ceramic	135	0.45	0.70	each
A71ZJ	Style 71 tips	-	ESD Ceramic	45	0.45	0.70	each

III Style 72

Ceramic replaceable tip tweezers with strong, pointed tips



72MZ.SA



72ZJ.SA

Catalog No.	Style	Material	Tip Material	OAL mm	A mm	B mm	Pkg.
72MZ.SA	Style 72	Anti-Acid/Anti-Mag SS	Ceramic	135	0.35	0.40	each
78127-72-T	Style 72 tips	-	Ceramic	45	0.35	0.40	each
72ZJ.SA	Style 72	Anti-Acid/Anti-Mag SS	ESD Ceramic	135	0.35	0.40	each
A72ZJ	Style 72 tips	-	ESD Ceramic	45	0.35	0.40	each

Ceramic Replaceable Tip Tweezers continued)

III Style 73

Ceramic replaceable tip tweezers with fine, pointed tips

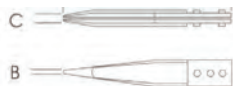


78127-73

Catalog No.	Style	Material	Tip Material	OAL mm	A mm	B mm	Pkg.
78127-73	Style 73	Anti-Acid/Anti-Mag SS	Ceramic	140	0.50	0.30	each
78127-73-T	Style 73 tips	-	Ceramic	50	0.50	0.30	each

III Style 74

Ceramic replaceable tip tweezers with straight, fine, pointed, strong tips.



78127-74

Catalog No.	Style	Material	Tip Material	OAL mm	A mm	B mm	Pkg.
78127-74	Style 74	Anti-Acid/Anti-Mag SS	Ceramic	140	1.00	1.00	each
78127-74-T	Style 74 tips	-	Ceramic	40	1.00	1.00	each

III Style 7

Ceramic replaceable tip tweezers with fine, curved tips



78127-7

Catalog No.	Style	Material	Tip Material	OAL mm	A mm	B mm	Pkg.
78127-7	Style 7	Anti-Acid/Anti-Mag SS	Ceramic	130	0.45	0.70	each
78127-7-T	Style 7 tips	-	Ceramic	40	0.45	0.70	each

Full Ceramic Tweezers

Partially stabilized zirconia (PSZ)

Made from Zirconia, which has a superior combination of high strength and flexibility. Full ceramic tweezers are suitable for handling of EOS/ESD sensitive components, handling of components during thermal, chemical and soldering processes.

- Both hard and fracture tough
- Fine grain size: excellent surface finish able to hold sharp edge
- Relatively low density
- No open porosity
- Good abrasion and wear resistance
- Superior flexural strength and fracture toughness
- Good thermal properties and good temperature stability
- Extreme corrosion resistance, nearly chemically inert
- Electrically insulative until 400-500°C

III Style 00, serrated tips

Ceramic tweezer with straight, line serrated tips. Length 125mm.



Catalog No.	Material	A mm	B mm	Pkg.
78126	Ceramic	0.80	1.00	each

III Style 3

Ceramic tweezer with squared, flat tips. Length 125mm.



Catalog No.	Material	A mm	B mm	Pkg.
78122	Ceramic	0.40	1.00	each

III Style 7

Ceramic tweezer with curved, squared, flat tips. Length 125mm.



Catalog No.	Material	A mm	B mm	Pkg.
78120	Ceramic	0.60	0.50	each

III Style 00

Ceramic tweezer with straight tips. Length 125mm.



Catalog No.	Material	A mm	B mm	Pkg.
78124	Ceramic	0.80	1.00	each

EMS LINE OF TWEEZERS

Full Plastic Tweezers

High precision plastic tweezers are available in Carbon Fiber, Polyvinylidene fluoride carbon fiber reinforced (PVDF), and Delrin.

Carbon Fiber Tweezers are best for sensitive electronic components, micro-mechanical parts, glass and ceramic substrates, capillary.

- PA66/CF30 polyamide 66 reinforced with 30 wt% carbon fiber
- Heat stabilized, good heat capability
- Very high rigidity, excellent tensile and flexural strength, fatigue and creep resistance
- Low friction, self lubricating properties, excellent wear resistance
- Good chemical resistance (oils, grease, fuels, non polar solvents); not resistant to strong acids, alkalis and hot water or steam
- ESD safe material, (avoid powder attraction, sparks generation, ignition sources).
- Very low coefficient of linear thermal expansion

PVDF Reinforced Tweezers applications include handling of very scratch- and contamination-sensitive components, cleaning and etching processes.

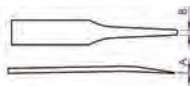
- Heat stabilized, high heat capability, continuous use up to 150°C
- Clean room and medical devices approved, low extraction value
- Excellent chemical resistance to mineral and organic acids, and solvents (hydrocarbons, alcohols, halogenated), resistant to halogens
- Outstanding resistance to hydrofluoric acid (40% conc., 90°C), nitric acid (50% conc., 90°C), hydrochloric acid (36% conc., 90°C)
- High abrasion resistant
- Resistant to UV and nuclear radiation (sterilization)
- ESD safe material, (avoid powder attraction, spark and ignition sources)

Delrin Tweezer applications include handling of very scratch sensitive components (ceramic and glass devices, wafers, capillary)

- POM/GF30 acetal resin reinforced with 30 wt% glass fiber
- Good tensile and flexural strength, fatigue and creep resistance
- Low friction, good wear and abrasion resistance
- Low moisture absorption
- Good chemical resistance (oils, grease, fuels, organic solvents); not resistant to strong acids, alkalis and oxidizing agents; good hydrolytic resistance (hot water)
- Insulating

III Style 702A

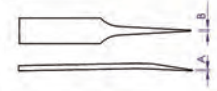
Full plastic tweezers with flat duckbill tips. ESD safe.



Catalog No.	Material	A mm	B mm	Pkg.
78460-702A-C	Carbon fiber	0.50	2.00	each
78460-702A	PVDF	0.50	2.00	each
78460-702A-D	Delrin	0.50	2.00	each

III Style 705

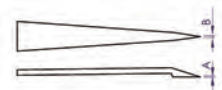
Full plastic tweezers with fine, sharp tips. ESD safe.



Catalog No.	Material	A mm	B mm	Pkg.
78460-705-C	Carbon fiber	0.50	0.50	each
78460-705	PVDF	0.50	0.50	each
78460-705-D	Delrin	0.50	0.50	each

III Style 707

Full plastic tweezers with fine, sharp tips. ESD safe.



Catalog No.	Material	A mm	B mm	Pkg.
78460-707-C	Carbon fiber	0.70	0.50	each
78460-707	PVDF	0.70	0.50	each
78460-707-D	Delrin	0.70	0.50	each

III Style 707A

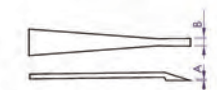
Carbon fiber tweezers with curved, angled, pointed tips



Catalog No.	Material	A mm	B mm	Pkg.
78460-707A-C	Carbon fiber	0.50	0.60	each
78460-707A-P	PVDF	0.50	0.60	each
78460-707A-D	Delrin	0.50	0.60	each

III Style 709

Full plastic tweezers with angled, squared, flat tips. ESD safe.

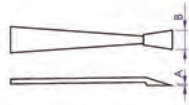


Catalog No.	Material	A mm	B mm	Pkg.
78460-709-C	Carbon fiber	0.30	3.30	each
78460-709	PVDF	0.30	3.30	each
78460-709	Delrin	0.30	3.30	each

Full Plastic Tweezers (continued)

III Style 710

Full plastic tweezers with angled, squared, flat, trapezoidal shape tips. ESD safe.



Catalog No.	Material	A mm	B mm	Pkg.
78460-710-C	Carbon fiber	0.30	7.70	each
78460-710	PVDF	0.30	7.70	each
710.DG	Delrin	0.30	7.70	each

III Full Plastic Tweezer Kits

Kit of 4 Carbon Fiber Tweezers

Styles 707, 708, 709, 710. ESD safe.

Catalog No.	Description	Pkg.
78460-02	EMS Fiber Tweezers, 4 Carbon fiber	kit



Kit of 5 Carbon Fiber Tweezers

Styles 702A, 707, 708, 709, 710. ESD safe.

Catalog No.	Description	Pkg.
78460-03	EMS Fiber Tweezers, 5 Carbon fiber	kit



Kit of 5 PVDF Tweezers

Styles 702A, 707, 708, 709, 710. ESD safe.

Catalog No.	Description	Pkg.
78460-04	EMS Fiber Tweezers, 5 PVDF	kit



Kit of 6 Carbon Fiber Tweezers

Styles 702A, 705, 707, 708, 709, 710. ESD safe.

Catalog No.	Description	Pkg.
78460-05	EMS Fiber Tweezers, 6 Carbon fiber	kit



Kit of 6 PVDF Tweezers

Styles 702A, 705, 707, 708, 709, 710. ESD safe.

Catalog No.	Description	Pkg.
78460-06	EMS Fiber Tweezers, 6 PVDF	kit



III EMS Carbon Fiber Soft Tip Tweezers

The EMS carbon fiber soft tip tweezers feature scratch resistant carbon fiber tips, specially designed to handle sensitive objects. The body is made from low carbon austenitic, non-magnetic stainless steel. The tips are corrosion resistant to moderately aggressive chemicals, salts and acids. Optimal working temperatures are up to 350°C (662°F). For short term use, maximum temperature should not exceed 925°C (1,697°F). Typical applications include handling of sensitive and electronic components, soft materials, micro-mechanical parts, glass, quartz, ceramics and silicon wafers. The tweezers body is made from non-magnetic stainless steel. ESD safe.

III Style 51

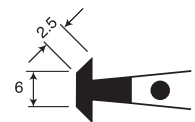
Flat Carbon Fiber Soft Tip Tweezers.
Length: 110mm, Tips (Width): 10mm



Catalog No.	Style	Pkg.
78751-01	EMS Flat Carbon Fiber Soft Tip Style 51	each

III Style 52

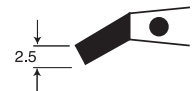
Spade Carbon Fiber Soft Tip Tweezers.
Length: 110mm, Tips (Width): 6mm



Catalog No.	Style	Pkg.
78751-02	EMS Spade Carbon Fiber Soft Tip Style 52	each

III Style 53

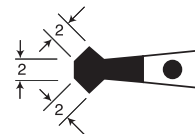
Angled Carbon Fiber Soft Tip Tweezers.
Length: 110mm, Tips (Width): 2.50mm



Catalog No.	Style	Pkg.
78751-03	EMS Angled Carbon Fiber Soft Tip Style 53	each

III Style 542

Triangle Carbon Fiber Soft Tip Tweezers.
Length: 110mm, Tips (Width): 2 x 2 x 2mm



Catalog No.	Style	Pkg.
78751-04	EMS Triangle Carbon Fiber Soft Tip Style 54	each