

PELCO® TWEEZERS

FOR PRODUCT DETAILS AND COMPLETE SELECTIONS
www.tedpella.com



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Microscopy Products for Science and Industry

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PELCO® Tweezers

We are pleased to expand and improve our offering of tweezers to meet a multitude of applications. Observe the high quality DUMONT® tweezers increased in styles and numbers in the following pages. The first two pages highlight a representative sample for each of the tweezer groups included.

- Tweezers are shown actual size in general ordering areas.
- Below is a list depicting metals and the codes used to distinguish them.
- The representative tweezers' groups are listed starting at the page number given.
- The tweezer points measurements should be considered for your application. For example, the sharpest, smallest point (new in this catalog and on our web) is number 505-U, which is stainless steel with points of size 0.025 x 0.005mm. This is a special tweezer suited, for example, to pickup EM grids off of very smooth surfaces. Most applications will not require such a fine tweezer and your choices are manifold.
- DUMONT DUMOSTAR™ tweezers are the hardest tweezer. They are non-magnetic with corrosion resistant steel (sea water, HCl, H₃PO₄, HNO₃, H₂SO₄). They are resistant to neutral and alkaline environments. DUMOSTAR™ from DUMONT is superior to the best stainless steel. Tip hardness is progressive and reaches its peak in the zone of a style 5 tweezer with tip hardness in the Rockwell range of 63-64.
- Abbreviations for the metals and materials:

Metals

DS

DUMOSTAR™

An alloy blend of steel, chromium, nickel, and cobalt, elastic in nature for "flexible fatigue resistant tips", resists temperatures to 550°C, and is non-magnetic and anti-corrosive. The best overall material for tweezers. Rockwell 63-64.

SS

Stainless Steel

High tensile strength chromium/carbon steel alloy (various compositions) provides for good corrosion and stain resistance, second in hardness only to DUMOSTAR™. Note: SS can rust under some circumstances.

NM-SS

Non-magnetic Stainless Steel

Same properties of SS with additional nickel to create the non-magnetic characteristic.

NM

Non-magnetic

A standard alloy composed of C, Cr, Ni and Mo. It offers a good resistance to corrosion thanks to its high concentration of Mo and is 80% non-magnetic but it is not as hard as NM-SS. NM is resistant up to temperatures of around 400°C (DIN 50 914) and is suitable for autoclave sterilization at 270°C.

Ti

Titanium

Flexible tips, non-magnetic, light weight (33% less than SS alloys), durable, low particle shedding compared to SS, extremely acid and stain resistant, hypoallergenic. Good for use around sensitive electronics or high magnetic fields. Will resist temperatures in excess of 400°C. Rockwell 36.

CS

Carbon Steel

Very durable, hard material that is less flexible and more brittle than DS, SS and Ti. Highly magnetic, will stain and rust easily. Rockwell 60.

DUMOXEL SS

Stainless Steel Alloy

Highly corrosive resistant and provides soft, flexible tips. More stain resistant than stainless steel, Rockwell 36 hardness. 95% anti-magnetic, resistant to temperatures above 400°C. Can be autoclaved.

INOX SS

Stainless Steel Alloy

Composed of a special mix of Carbon Steel and Chromium. Provides soft, flexible tips, Rockwell 55.

Plastics - Note: For complete description of plastic materials for tweezers go to:
Beginning of Plastic Tweezer Section on page 26.

Tweezers Index List

DUMONT DUMOSTAR™

page 3



Biology and High Precision, newly developed alloy, non-magnetic and non-corrosive, resists temperatures to 550°C, extra hard tips but very elastic in nature, 8 styles.

DUMONT Biology

page 3-4



SS, NM-SS, CS, Ti. Available in 4 styles and many finishes and metals. Finest Tips for handling extremely minute, delicate material and grids.

DUMONT High Precision

page 5-6



SS, NM-SS, PTFE coated SS, CS.

Available in 16 styles and many finishes
Suitable for most general laboratory use.

Wire Cutting

page 7



CS. Trim handle grids, cut fine wires in tight places, 5 cutting tips available.

DUMONT Biology, Clamping Ring

page 7



NM-SS (Dumoxel). Can be sterilized at 180°, 2 styles. Finest Tips for handling extremely minute, delicate material and grids.

DUMONT Medical

page 9



SS. Can be sterilized at 180°, satin finish, machined grips, 3 styles, one style available with clamping ring.

Economy

page 8



SS. 2 styles Good standard utility use but not honed for EM grid handling.

DUMONT Electronic and Industrial

page 8-10



SS, NM-SS. 13 styles. All but 2 are epoxy coated (blue for SS and green for NM-SS) with exposed, non coated tips. Very well finished with precise points but not fine enough to recommend for TEM grid handling.

PELCO® Tweezers Index

Aquarius



SS, NM-SS. 5 styles. Anti-acid, work-hardened stainless steel tips, equal in strength to flame-hardened carbon steel.

PELCO® Pro Slim



NM-SS. 7 styles. Super slim tweezers, precise, fine tips. Especially suitable for reaching in tight spaces, or for working near heat sources.

DUMONT Anti-capillary



SS (Inox), 2 styles. one bent tip to avoid water capillarity.

DUMONT Anti-capillary Reverse (self closing)



SS, 2 styles. Reverse with one bent tip to avoid water capillarity.

PELCO® Pro Mini



NM-SS. 3 styles. Fine tipped tweezers without the excess bulk of long tweezers. Ideal in tight spaces.

DUMONT Reverse (self closing)



SS, NM-SS. 11 styles and various finishes and composition. Biology and High Precision.

Heavy Crossover Reverse (self closing)



SS, NM-SS. 2 styles. Larger utility size with plastic grips and rounded tips for various laboratory functions.

PELCO® Pro Reverse (self closing)



NM-SS. High precision reverse action. For high precision work such as in microscopy and assembly applications.

[Tweezer Accessories >](#)



Wafer, Component and Coverglass

page 15-16



SS, NM-SS, PTFE coated SS, Ni coated SS. 11 styles. Superb quality and craftsmanship. Large area tip for delicate grasping

PELCO® Flat and Pad Tip

page 16-17



SS. 9 styles. smooth, scratch proof tips, useful for handling delicate and pressure sensitive parts.

PELCO® Ceramic Tip

page 18



SS or polyacetyl handles with zirconia ceramic tips. Anti-magnetic, non-conducting, chemical resistant, heat resistant (1000° C), light weight.

DUMONT Titanium

page 18



Ti. 5 styles. The benefits of Titanium are numerous. See previous page for details.

Industrial, Economy

page 18-19



NM-SS. 14 styles. Fine brushed finish, a value for the price. Not intended for TEM grids.

PELCO® SV Carbon Fiber Tipped

page 20-21



NM-SS (matt) grips. 5 styles including one reverse. Conductive, synthetic carbon fiber "Carbofib" tips and non-magnetic SS grips. Sturdy but soft and non-scratching. Outstanding chemical resistance.

PELCO® SV Replaceable Tip Carbon Fiber Tweezers

page 21-22



NM-SS (matt) grips. 7 styles - one reverse. Conductive, synthetic carbon fiber tips and non-magnetic SS grips. Sturdy but non-scratching. Great chemical resistance.

ESD-Safe Carbon Wafer Handling

page 22-23



NM-SS. 5 styles. Conductive, Sturdy but soft and non-scratching. Chemical resistance.

Cantilever

page 24



NM-SS. 1 style. Designed for grasping AFM cantilevers / probes.

DUMONT 70 - Manipulating, Sorting and Placement

page 24



CS, SS, Ti. 5 styles. Long, thin, serrated tips.

Plastic

page 25-30



Celcon, Ryton, glass-filled Delrin, Fluorocarbon (CTFE). 29 styles.

PELCO® SV Carbon Fiber Reinforced

page 31



PVDF / Carbon reinforced. 6 styles. Anti-static, ESD safe, cleanroom compatible.

PELCO® Ergonomic, ESD, Soft Grips

page 31



CS with soft plastic grips. 7 styles.

PELCO® EDS, Ergonomic

page 32



EDS with soft plastic grips. 8 styles.

Zirconia Ceramic

page 33



PELCO® Gold Plated

page 34-35



NM-SS, plated with pure 24-Karat gold

PELCO® Pro High Precision,

page 36



non-magnetic low carbon stainless steel

Tweezer Repair Kit

page 13

Tweezer Trap (holders)

page 15

Tweezer Tip Guards

page 16

DUMONT DUMOSTAR™ Biology or High Precision Non-magnetic and Non-corrosive

Dumostar Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
Biology	523	3	120mm	DS	Polished	0.08 x 0.04mm
High Precision	533	3	120mm	DS	Polished	0.17 x 0.10mm
Biology	523-C	3c	110mm	DS	Polished	0.08 x 0.04mm
High Precision	533-C	3c	110mm	DS	Polished	0.17 x 0.10mm
Biology	524	4	110mm	DS	Polished	0.06 x 0.02mm
High Precision	534	4	110mm	DS	Polished	0.13 x 0.08mm
Biology	525	5	110mm	DS	Polished	0.05 x 0.01mm
Biology	525-PS	5	110mm	DS	Matt	0.05 x 0.01mm
High Precision	535	5	110mm	DS	Polished	0.10 x 0.06mm
Biology	527	7	115mm	DS	Polished	0.07 x 0.03mm
High Precision	537	7	115mm	DS	Polished	0.17 x 0.10mm
High Precision	531	1	120mm	DS	Polished	0.20 x 0.12mm
High Precision	532A	2a	120mm	DS	Polished	1.50 x 0.20mm
High Precision - Serrated	537B	7b	115mm	DS	Polished	0.17 x 0.10mm

DUMONT Biology

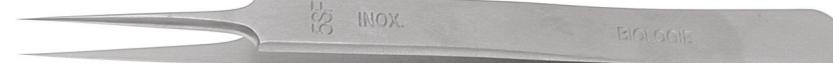
Dumont Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
Inox SS		3	120mm	SS	Polished	0.08 x 0.04mm
Biology	503	3	120mm	SS	Polished	0.08 x 0.04mm
Biology, Non-Magnetic	503-NM	3	120mm	NM-SS	Polished	0.08 x 0.04mm

continued on next page

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DUMONT Biology Tweezers

■ DUMONT Biology *continued*

Dumont Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
 Dumoxel SS						
Biology	503-C	3c	110mm	SS	Polished	0.08 x 0.04mm
Biology, Non-Magnetic	503C-NM	3c	110mm	NM-SS	Polished	0.08 x 0.04mm
 Dumoxel SS						
Biology	504	4	110mm	SS	Polished	0.06 x 0.02mm
Biology, Non-Magnetic	504-NM	4	110mm	NM-SS	Polished	0.06 x 0.02mm
 Inox SS						
Biology	505	5	110mm	SS	Polished	0.05 x 0.01mm
Biology, Non-Magnetic	505-NM	5	110mm	NM-SS	Polished	0.05 x 0.01mm
 Inox SS						
Biology	505-PS	5	110mm	SS	Matt	0.05 x 0.01mm
 Inox SS						
Biology	505-U	5	110mm	SS	Matt	0.025 x 0.005mm
 Biology - Titanium	5925-PS	5	110mm	Ti	Matt	0.05 x 0.01mm
 Inox SS						
Biology	507	7	115mm	SS	Polished	0.10 x 0.06mm
Biology, Non-Magnetic	507-NM	7	115mm	NM-SS	Polished	0.10 x 0.06mm
 Inox SS						
High Precision	5116	1	120mm	CS	Polished	0.17 x 0.10mm
High Precision	5617	1	120mm	SS	Polished	0.20 x 0.12mm
 Inox SS						
High Precision	5618	2a	120mm	SS	Polished	1.5 x 0.02mm
High Precision	5618-NM	2a	120mm	NM-SS	Polished	1.5 x 0.02mm

Also available in
Titanium,
see page 20

DUMONT High Precision Tweezers

Dumont Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
■ Inox SS		INOX.				
High Precision	5619	3	120mm	SS	Polished	1.7 x 0.10mm
High Precision	5619-NM	3	120mm	NM-SS	Polished	1.7 x 0.10mm
■ Inox SS		INOX.				
High Precision	5620	3c	110mm	SS	Polished	1.7 x 0.10mm
High Precision	5720	3c	110mm	NM-SS	Polished	1.7 x 0.10mm
■ Inox SS		INOX.				
High Precision	5621	4	110mm	SS	Polished	0.13 x 0.08mm
High Precision	5721	4	110mm	NM-SS	Polished	0.13 x 0.08mm
■ Inox SS		INOX.				
High Precision	5622	5	110mm	SS	Polished	0.10 x 0.06mm
High Precision	5622-NM	5	110mm	NM-SS	Polished	0.10 x 0.06mm
■ Inox SS		DUMONT 5 - Dumoxel® H				
High Precision	5722-PS	5	110mm	NM-SS	Matt	0.10 x 0.06mm
■ PTFE coated		5	A DUMONT & FILS Vve DUMONT Fr & Cie SA SWITZERLAND			
High Precision	5622-TEF	5	110mm	SS	PTFE Coated	0.10 x 0.06mm
■ fine points bent at 45°		INOX.				
Inox SS		5/45				
High Precision	5624	5/45°	105mm	SS	Polished	0.10 x 0.06mm
High Precision	5724	5/45°	105mm	NM-SS	Polished	0.10 x 0.06mm
■ sharp hooked points		INOX.				
Inox SS		6				
High Precision	5626	6	115mm	SS	Polished	0.17 x 0.10mm
High Precision	5726	6	115mm	NM-SS	Polished	0.17 x 0.10mm
■ Inox SS		INOX.				
High Precision	5627	7	115mm	SS	Polished	0.17 x 0.10mm
High Precision	5727	7	115mm	NM-SS	Polished	0.17 x 0.10mm

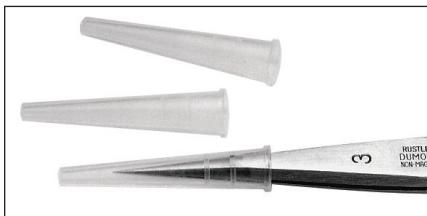
TWEEZERS

DUMONT High Precision Tweezers

■ DUMONT High Precision Tweezers *continued*

Dumont Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
 Dumoxel SS						
						
High Precision Serrated Tip	5729	7	115mm	NM-SS	Polished	0.17 x 0.10mm
 PTFE coated						
						
High Precision	5627-TEF	7	115mm	SS	PTFE Coated	0.17 x 0.10mm
<i>fine, long and narrow</i>						
 Inox SS						
						
High Precision	5707	SS	140mm	NM-SS	Polished	0.20 x 0.12mm
<i>strong and long</i>						
 Inox SS						
						
High Precision	5609	PP	135mm	SS	Polished	0.24 x 0.14mm
High Precision	5709	PP	135mm	NM-SS	Polished	0.24 x 0.14mm

■ Tweezer Tip Guards



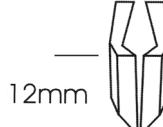
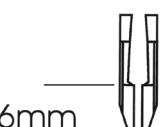
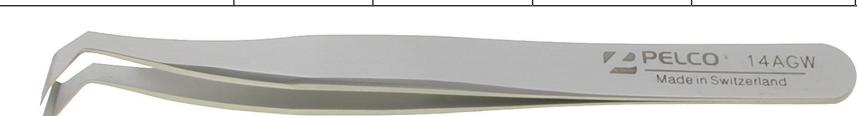
5169 Plastic Tweezer Tip Guardspkg/10

■ Tweezer Clamping O-Rings



5168 Neoprene O-Ring, for tweezer clampingpkg/10

■ PELCO® Pro Wire Cutting Tweezers

PELCO® Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
Swiss made, quality, precision carbon steel wire cutting tweezers for various applications in electronics, laboratories, thin film research and other applications. Four different styles available for optimized cutting performance and accessibility.						
 12mm		cutting tweezers for soft copper, gold, silver, magnetic wires				
PELCO® Wire Cutting 5380 15A 120mm CS Matt 12 x 1.5mm						
 12mm		parallel cutting tweezers for soft copper, gold, silver, magnetic wires				
PELCO® Wire Cutting	5381	15AP	120mm	CS	Matt	12 x 1.5mm
 10mm		cutting tweezers for soft copper, gold, silver, magnetic wires				
PELCO® Wire Cutting	5382	15AGW	116mm	CS	Matt	10 x 1.5mm
 6mm		cutting tweezers for max visibility, fine, 90° angled blades				
PELCO® Wire Cutting	5383	14AGW	114mm	CS	Matt	6 x 1.5mm

■ DUMONT Biology Grade Clamping Ring Tweezers

Dumont Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
Patented DUMONT Clamping Ring on Tweezers, Biology Grade slide ring forwards/backwards or tilt tweezer						
• Can be sterilized at 180°C in autoclave						
• Clamping-unclamping done by allowing the ring to slide backwards or forwards by its own weight						
• Clamping-unclamping can also be done by tilting the tweezer						
• The clamp allows an adjustable pressure on the tips						
• Retaining clip on the tweezer holds clamp to the rear of the tweezer when desired						
• Satin-finished BiolDyngipat SS						
sc = sliding clamp						
 7sc		36607	115mm	NM-SS	Satin	0.07 x 0.03mm

*Dumont Biology Clamping Ring tweezers may be special ordered with mirror finish with a minimum order of 24 pieces of one type.

TWEezers

DUMONT Medical Tweezers, Medical with Clamping Ring; Economy Tweezers

■ DUMONT Medical Tweezers *Style 3 also available with Clamping Ring (see below for function description)*

Dumont Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
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- Can be sterilized at 180°C in autoclave
- Satin finished, machined grips, high precision points
- On special order: Mirror finished, biology points (minimum order: 24 pieces of one type)



Note: This tweezer is also available with a clamping ring, see below

Medical*	38123	3	120mm	SS	Satin	0.17 x 0.10mm
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Medical*	38125	5	110mm	SS	Satin	0.10 x 0.06mm
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Medical*	38125-5-MR	5	110mm	SS	Mirror	0.10 x 0.06mm
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Medical	38127	7	115mm	SS	Satin	0.17 x 0.10mm
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*Dumont Medical tweezers may be special ordered with mirror finish or biology tips with a minimum order of 24 pieces of one type.

■ Economy Tweezers

Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
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not honed for EM grid handling



Economy Tweezer	5665	5	111mm	SS	Matt	0.5 x 0.25mm
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economy Tweezer	5667	7	119mm	SS	Matt	0.5 x 0.38mm
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■ DUMONT Electronic and Industrial Tweezers

Dumont Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
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Blue epoxy-coated (stainless steel) and green epoxy coated (non-magnetic stainless steel). (Note: tips are not coated). The Dumont Electronic Grade is well finished, with points matching excellently. Tip measurements are listed below.



Electronic (blue color)	5220	3	120mm	SS	Epoxy	0.17 x 0.10mm
Electronic (green color)	5320	3	120mm	NM-SS	Epoxy	0.17 x 0.10mm

■ DUMONT Electronic and Industrial Tweezers

Dumont Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
						
Electronic (blue color)	5221	3c	110mm	SS	Epoxy	0.17 x 0.10mm
Electronic (green color)	5321	3c	110mm	NM-SS	Epoxy	0.17 x 0.10mm
						
Electronic (blue color)	5222	4	110mm	SS	Epoxy	0.13 x 0.08mm
Electronic (green color)	5322	4	110mm	NM-SS	Epoxy	0.13 x 0.08mm
						
Electronic (blue color)	5223	5	110mm	SS	Epoxy	0.10 x 0.06mm
Electronic (green color)	5323	5	110mm	NM-SS	Epoxy	0.10 x 0.06mm
						
Electronic (green color)	5325	6	115mm	NM-SS	Epoxy	0.17 x 0.10mm
						
Electronic (blue color)	5226	7	115mm	SS	Epoxy	0.17 x 0.10mm
Electronic (green color)	5326	7	115mm	NM-SS	Epoxy	0.17 x 0.10mm
						
Electronic (blue color)	5233	AA	125mm	SS	Epoxy	0.40 x 0.20mm
Electronic (green color)	5333	AA	125mm	NM-SS	Epoxy	0.40 x 0.20mm
						
Electronic (blue color)	5212	O	115mm	SS	Epoxy	0.17 x 0.10mm
Electronic (green color)	5312	O	115mm	NM-SS	Epoxy	0.17 x 0.10mm
						
Electronic (blue color)	5213	OO	115mm	SS	Epoxy	0.56 x 0.28mm
Electronic (green color)	5213-NM	OO	115mm	NM-SS	Epoxy	0.56 x 0.28mm

DUMONT +
0 - Antimagnetic - E continued on next page

TWEezers

DUMONT Electronic and Industrial Tweezers

■ DUMONT Electronic and Industrial Tweezers *continued*

Dumont Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
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Electronic (blue color)	5218	2a	120mm	SS	Epoxy	1.50 x 0.20mm
Electronic (green color)	5318	2a	120mm	NM-SS	Epoxy	1.50 x 0.20mm



Electronic (blue color)	5206	SS	115mm	SS	Epoxy	0.17 x 0.10mm
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Electronic	5519	2b	160mm	NM-SS	Polished	3.00 x 0.06mm
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■ Aquarius Tweezers

Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
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Anti-acid, non-magnetic, work-hardened stainless steel tips. Equal in strength to flame-hardened carbon steel.



Aquarius, most versatile	5803-C	3c	110mm	NM-SS	Matt	0.3 x 0.30mm
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Aquarius, sharp points	5804	4	110mm	SS	Matt	0.25 x 0.23mm
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Aquarius, sharpest points	5805	5	111mm	SS	Matt	0.25 x 0.18mm
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Aquarius, fine curved	5807	7	117mm	SS	Matt	0.20 x 0.23mm
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Aquarius, flat, rounded	5818	2a	115mm	NM-SS	Matt	1.40 x 0.25mm
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■ PELCO® Pro Slim Tweezers

PELCO® Pro Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
Super slim tweezers with high precision, fine tips. Especially suitable for reaching in tight spaces, solvents or for working near heat sources. Non-magnetic stainless steel.						
Slim relieved	5360-NM	60	140mm	NM-SS	Matt	0.12 x 0.11mm
Slim angled	5361-NM	65A	140mm	NM-SS	Matt	0.12 x 0.09mm
Slim fine angled	5362-NM	64A	140mm	NM-SS	Matt	0.19 x 0.11mm
Slim fine	5363-NM	SS	140mm	NM-SS	Matt	0.09 x 0.06mm
Slim long	5364-NM	SS6	153mm	NM-SS	Matt	0.14 x 0.09mm
Slim long angled	5365-NM	SSL	153mm	NM-SS	Matt	0.14 x 0.09mm
Slim point touch	5366-NM	SSF	140mm	NM-SS	Matt	0.14 x 0.16mm

■ DUMONT Anti-capillary and Anti-capillary Reverse (self closing) Tweezers

DUMONT Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
one bent tip to avoid water capillarity						
Inox SS						
Biology anticapillary	5630-5	5ACP	110mm	SS	Polished	0.07 x 0.02mm
Biology anticapillary	5630-5NM	5ACP	110mm	NM-SS	Polished	0.07 x 0.02mm
Inox SS						
anti-capillary, reverse	510-4	4ACN	110mm	SS	Polished	0.07 x 0.02mm
anti-capillary, reverse	510-4NM	4ACN	110mm	NM-SS	Polished	0.07 x 0.02mm

Note: Shown holding a TEM grid

TWEEZERS

DUMONT Anti-capillary Tweezers; PELCO® Pro Mini Tweezers

■ DUMONT Anti-capillary and Anti-capillary Reverse (self closing) Tweezers

DUMONT Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
Inox SS				N5 INOX		
anti-capillary, reverse	510-5	5ACN	108mm	SS	Polished	0.06 x 0.02mm
anti-capillary, reverse	510-5NM	5ACN	108mm	NM-SS	Polished	0.06 x 0.02mm

Note: Shown holding a TEM grid

■ PELCO® Pro Mini Tweezers

PELCO® Pro Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
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Fine tipped tweezers without the bulk of long tweezers. Ideal in tight spaces. Made of non-magnetic stainless steel.

Mini, flat	5368-NM	M2A	70mm	NM-SS	Matt	1.4 x 0.06mm
Mini, fine	5369-NM	M3	70mm	NM-SS	Matt	0.12 x 0.07mm
Mini, slim	5370-NM	M5	79mm	NM-SS	Matt	0.28 x 0.07mm



■ **Tweezer Repair Kit** Salvage damaged tweezers with this kit. Use for straightening, sharpening and deburring dull or damaged tweezers. Includes:

- Steel straightening block with dual pins for fulcrums and a V-groove for straightening bent tips.
- Finest translucent Arkansas sharpening whetstone with groove for sharpening and dressing tweezers, tool blades and probe points.
- 1500 grit metallographic paper strips for removing burrs.
- O-rings for holding tweezer tips closed during dressing.

54528 Tweezer Repair Kiteach

■ DUMONT Reverse (self closing) Tweezers

Dumont Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
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Inox SS				N5 INOX. BIOLOGIE		
Biology, reverse	515	N5	108mm	SS	Polished	0.05 x 0.01mm
Biology, reverse	515-NM	N5	108mm	NM-SS	Polished	0.05 x 0.01mm

Inox SS				NDC INOX PELCO EMX		
Biology, reverse	510	EMX	105mm	SS	Polished	0.08 x 0.04mm

Note: Shown holding a TEM grid tab

Dumoxel SS				N7 RUSTLESS DUMOSEL NON-MAGNETIC BIOLOGIE		
Biology, reverse	517-NM	N7	115mm	NM-SS	Polished	0.09 x 0.04mm

■ DUMONT Reverse (self closing) Tweezers

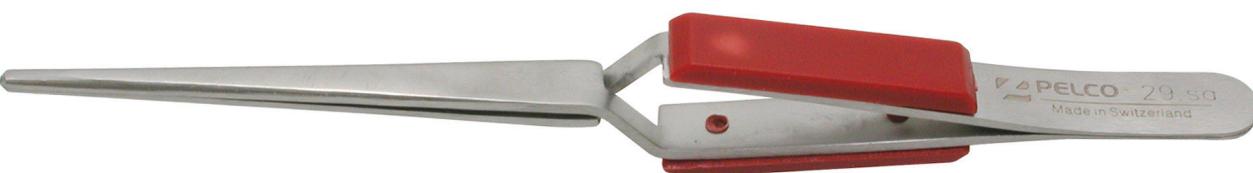
Dumont Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
<i>extra-fine points, indented shanks</i>						
Inox SS				N4 INOX.		
High Precision	5649	N4	108mm	SS	Polished	0.13 x 0.08mm
High Precision	5749	N4	108mm	NM-SS	Polished	0.13 x 0.08mm
<i>super-fine points, indented shanks</i>						
Inox SS				N5 INOX.		
High Precision	5650	N5	108mm	SS	Polished	0.10 x 0.06mm
High Precision	5750	N5	108mm	NM-SS	Polished	0.10 x 0.06mm
Inox SS				N5A INOX.		
High Precision	5751	N5A	113mm	NM-SS	Polished	0.13 x 0.08mm
Inox SS				N7 INOX.		
High Precision	5753	N7	115mm	NM-SS	Polished	0.17 x 0.10mm
Dumoxel SS				N2A HUSTLESS DUMOXEL NON MAGNETIC		
High Precision	5748	N2A	118mm	NM-SS	Polished	0.24 x 0.14mm
Dumoxel SS				NGG HUSTLESS DUMOXEL NON MAGNETIC		
High Precision	5754	NGG	128mm	NM-SS	Polished	0.20 x 0.12mm
Dumoxel SS				NPP HUSTLESS DUMOXEL NON MAGNETIC		
High Precision	5755	NPP	133mm	NM-SS	Polished	0.24 x 0.14mm
Dumoxel SS				NAA HUSTLESS DUMOXEL NON MAGNETIC		
High Precision	5756	NAA	123mm	NM-SS	Polished	0.40 x 0.20mm

TWEEZERS

Heavy Crossover Reverse Tweezers; Tweezer Traps

■ Heavy Crossover Reverse (self closing) Tweezers

Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
Heavy Crossover	514	29sa	160mm	SS	polished	2.8 x 1.4mm



Heavy Crossover	516	30sa	123mm	NM-SS	Polished	2.8 x 1.4mm
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■ Tweezer Traps

Three different models for 3, 5 or 8 tweezers or ceps. Made from strong white acrylic with stainless steel pins.

The Tweezer Traps allow view of tweezers, making selection of the tweezers quick and easy. Since there are no slots or holes for the tweezer tips to fit into there chance of damaging the tweezer tips.



5689 Tweezer Trap, 3 tweezers capacityeach

5690 Tweezer Trap, 5 tweezers capacityeach

5691 Tweezer Trap, 8 tweezers capacityeach

■ PELCO® Pro Reverse (self closing) Tweezers

PELCO® Pro Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
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High precision reverse action tweezers. Specially intended where a high precision self closing action is required, such as in microscopy and assembly applications. Extra fine tipped tweezers made of anti-acid / non-magnetic stainless steel.

Reverse curved	5372-NM	7X	116mm	NM-SS	Matt	0.16 x 0.17mm
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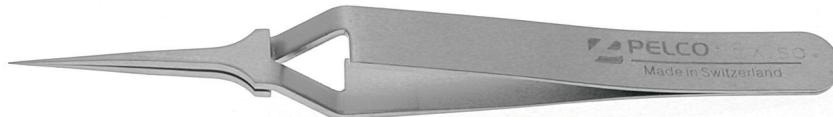
Reverse fine	5373-NM	5AX	113mm	NM-SS	Matt	0.20 x 0.19mm
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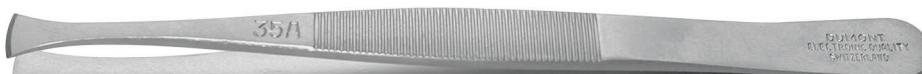
Reverse flat	5374-NM	2AX	119mm	NM-SS	Matt	1.85 x 0.20mm
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■ PELCO® Pro Reverse (self closing) Tweezers

PELCO® Pro Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
						
Reverse fine	5375-NM	5X	109mm	NM-SS	Matt	0.13 x 0.12mm
						
Reverse fine	5376-NM	4X	113mm	NM-SS	Matt	0.19 x 0.20mm
						
Reverse fine	5377-NM	3X	119mm	NM-SS	Matt	0.14 x 0.14mm
						
Reverse anticapillary	5378-NM	5TTHX	118mm	NM-SS	Matt	0.10 x 0.14mm

■ Wafer, Component and Coverglass Tweezers

Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
Non-magnetic stainless steel of superb quality and craftsmanship. Large area tip for easy handling of delicate parts, components and samples.						
						
Dumont Wafer	5590	35A	120mm	NM-SS	Polished	7.0 x 0.15mm
						
Aquarius Wafer	5835	35A	120mm	NM-SS	Polished	7.0 x 0.15mm
						
PTFE coated tips	5835-TEF	35A/T	120mm	NM-SS	Polished/PTFE	7.0 x 0.15mm
						
Coverglass Forceps/PTFE	5642	spade tips	111mm	SS	PTFE	5.6 x 0.64mm

TWEezers

Wafer, Component and Coverglass Tweezers; PELCO® Flat and Pad Tip Tweezers

■ Wafer, Component and Coverglass Tweezers *continued*

Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
Coverglass Forceps	5644	spade tips	115mm	Nickel plated	Polished	6.4 x 1.27mm
Coverglass Forceps	5645	straight tip	121mm	Nickel plated	Polished	3.8 x 0.3mm

■ PELCO® Flat and Pad Tip Tweezers

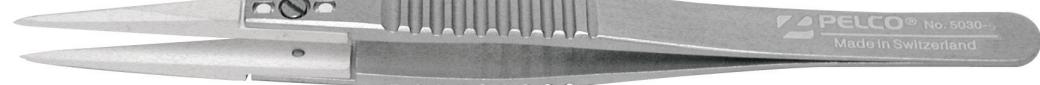
PELCO® Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
The PELCO® Flat and Pad Tip Tweezers are high quality, precision Swiss made with smooth, scratch proof tips, useful for handling delicate and sensitive parts. Can be used in laboratory, electronics, conservation, forensic, thin film research and many other applications. The smooth, flat tips enable gentle handling and minimum pressure on delicate parts. Eight different styles are available to provide the optimum tweezers for the application. Made of non-magnetic stainless steel.						
same as 5391-NM below but with thicker tips						
Flat Tip	5390-NM	33A.sa	114mm	NM-SS	Matt	6mmø x 0.38mm
Flat Tip	5391-NM	126.sa	113mm	NM-SS	Matt	6mmø x 0.18mm
Flat Tip	5392-NM	127.sa	107mm	NM-SS	Matt	5.2 x 0.15mm
same as 5392-NM above but with 25° angled tip						
Flat Tip, 25° angle	5393-NM	128.sa	106mm	NM-SS	Matt	5.2 x 0.15mm
Flat Tip	5394-NM	34A.sa	122mm	NM-SS	Matt	6.15 x 0.2mm

Flat Tip	5395-NM	35A.sa	121mm	NM-SS	Matt	6.7 x 0.2mm
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■ PELCO® Flat and Pad Tip Tweezers *continued*

PELCO® Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
						
Flat Tip	5396-NM	125.sa	121mm	NM-SS	Matt	4.3 x 0.15mm
same as 5396-NM above but with narrower, thicker tips						
Flat Tip	5397-NM	125A.sa	121mm	NM-SS	Matt	2.7 x 0.39mm

■ PELCO® Ceramic Tip Tweezers

Description	Prod. No.	Style	Length	Handle	Finish	Points W x Thickness
						
Ceramic Tip	5029-3	Straight	141mm	SS	Matt	0.3 x 0.6mm
Replacement Ceramic Tips	5029-3-T	Straight				0.3 x 0.6mm
						
Ceramic Tip	5029-4	Straight	137mm	SS	Matt	0.3 x 0.3mm
Replacement Ceramic Tips	5029-4-T	Straight				0.3 x 0.3mm
						
Ceramic Tip	5029-5	Fine	137mm	Aluminum	Matt	0.2 x 0.4mm
Replacement Ceramic Tips	5029-5-T	Fine				0.2 x 0.4mm
						
Ceramic Tip	5029-2	7	137mm	SS	Matt	0.7 x 0.46mm
Replacement Ceramic Tips	5029-2-T	7				0.7 x 0.46mm

TWEEZERS

DUMONT Titanium Tweezers; Industrial, Economy Tweezers

■ DUMONT Titanium Tweezers

DUMONT Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
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Titanium tweezers for electron microscopy, electronics, semiconductors, forensics, histology

Dumont titanium tweezers have been found to be excellent for use in the silicon chip industry because titanium tweezers do not shed particles like the stainless steel tweezers. Anytime an abrasive substance is handled and microscopic particles are a detriment, it may be best to choose titanium. Since titanium is non-magnetic, these tweezers are extremely useful when handling magnetic materials or when working in a magnetic field. Titanium is a light weight, high strength material.



High Precision, Titanium	5129	3	121mm	Titanium	Matt	0.25 x 0.20mm
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High Precision, Titanium	5131	3c	110mm	Titanium	Matt	0.127 x 0.20mm
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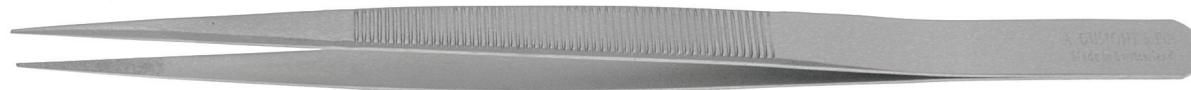
High Precision, Titanium	5133	5	110mm	Titanium	Matt	0.23 x 0.127mm
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Biology, Titanium	5925-PS	5	110mm	Titanium	Matt	0.05 x 0.01mm
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High Precision, Titanium	5135	7	117mm	Titanium	Matt	0.23 x 0.127mm
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Serrated Tips	5523	70	160mm	Titanium	Matt	0.40 x 0.85mm
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■ Industrial, Economy Tweezers

Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
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Made from anti-acid, non-corrosive, non-magnetic stainless steel. Fine brushed finish, a value for the price. These tweezers are not intended for handling Electron Microscopy Grids.



Industrial, Economy	58080-NM	1	121mm	NM-SS	Matt	0.04 x 0.04mm
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Industrial, Economy	58081-NM	2A	120mm	NM-SS	Matt	2.4 x 0.4mm
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■ Industrial, Economy Tweezers *continued*

Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
		3				
Industrial, Economy	58082-NM	3	120mm	NM-SS	Matt	0.38 x 0.27mm
		3C				
Industrial, Economy	58083-NM	3C	113mm	NM-SS	Matt	0.4 x 0.34mm
		4				
Industrial, Economy	58084-NM	4	113mm	NM-SS	Matt	0.43 x 0.33mm
		5				
Industrial, Economy	58085-NM	5	121mm	NM-SS	Matt	0.33 x 0.32mm
		5A				
Industrial, Economy	58086-NM	5A	120mm	NM-SS	Matt	0.43 x 0.34mm
		7				
Industrial, Economy	58088-NM	7	116mm	NM-SS	Matt	not available
		9				
Industrial, Economy	58089-NM	9	139mm	NM-SS	Matt	0.48 x 0.40mm
		AA				
Industrial, Economy	58090-NM	AA	125mm	NM-SS	Matt	0.46 x 0.43mm
		SS				
Industrial, Economy	58091-NM	SS	139mm	NM-SS	Matt	0.53 x 0.36mm
		OO				
Industrial, Economy	58092-NM	OO	120mm	NM-SS	Matt	0.46 x 0.34mm

TWEEZERS

Industrial, Economy Tweezers; PELCO® SV Carbon Fiber Fixed Tipped Tweezers

■ Industrial, Economy Tweezers *continued*

Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
						
Industrial, Economy	58093-NM	OO	160mm	NM-SS	Matt	1.27 x 0.94mm

						
Serrated Tips	58094-NM	4	165mm	NM-SS	Matt	0.9 x 0.9mm



Industrial, Economy Tweezers Sets

58098-NM Set of 4 Economy Tweezers, #2A, #3, #4 and #7, Stainless Steel, Anti-Acid, Non-Magnetic, in a convenient Plastic Pouch.....set

58099-NM Set of 4 Economy Tweezers, #3, #7, Slim Long and Long with Serrated Tips, Stainless Steel, Anti-Acid, Non-Magnetic, in a convenient Plastic Pouchset

■ PELCO® CF, ESD Safe, Polyamide 66, Fixed Tip Tweezers

Description	Prod. No.	Style	Length	Tips	Handle	Points W x Thickness
						
Carbon Fiber Tipped	5114	259	130mm	Carbofib	Matt NM-SS	0.6 x 1.0mm
						
Carbon Fiber Tipped	5111	OO	130mm	Carbofib	Matt NM-SS	1.0 x 2.0mm
						
Carbon Fiber Tipped	5112	5	130mm	Carbofib	Matt NM-SS	0.5 x 0.6mm
						
Carbon Fiber Tipped	5113	5X	127mm	Carbofib	Matt NM-SS	0.5 x 0.5mm

						
Carbon Fiber Tipped	5115	7	127mm	Carbofib	Matt NM-SS	0.6 x 0.6mm

■ PELCO® ESD Safe, PVDF (SV) Tipped & ESD Safe, Polyamide 66 (CF) Tweezers

Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
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SV - Conductive, synthetic carbon fiber reinforced PVDF (polyvinylidene fluoride) tips with non-magnetic steel grips. Sturdy but soft and non-scratching. Clean room compatible, outstanding resistance to mineral and organic acids, solvents and halogens. Light weight, strong material.

CF - Same specifications as SV except material is Carbofib (Polyamide 66 reinforced with carbon fiber).

PELCO® Replaceable ESD Safe, Tip Tweezers

Soft tips specially designed for the electronics industry, easy to mar samples and brittle materials such as Si pieces, these ESD-safe tweezers are made of anti-magnetic, anti-acid stainless steel with replaceable carbon fiber reinforced tips. Made in Switzerland. Replacement tip kit includes 1 pair of tips and screws.



extra fine tip

Replaceable ESD Safe	5043-SV	5	121mm	SV	Matt NM-SS	0.56 x 0.43mm
Replaceable ESD Safe	5053	5	121mm	CF	Matt NM-SS	0.56 x 0.43mm



extra fine tip

Replaceable ESD Safe	5039-SV	5U	130mm	SV	Matt NM-SS	0.4 x 0.4mm
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fine tip

Replaceable ESD Safe	5047-SV	259	130mm	SV	Matt NM-SS	0.4 x 0.4mm
Replaceable ESD Safe	5057	259	130mm	CF	Matt NM-SS	0.4 x 0.4mm



rounded end

Replaceable ESD Safe	5046-SV	242	130mm	SV	Matt NM-SS	1.5 x 0.4mm
Replaceable ESD Safe	5056	242	130mm	CF	Matt NM-SS	1.5 x 0.4mm



rounded end

Replaceable ESD Safe	5041-SV	2A	130mm	SV	Matt NM-SS	2 x 0.4mm
Replaceable ESD Safe	5051	2A	130mm	CF	Matt NM-SS	2 x 0.4mm



fine tip

Replaceable ESD Safe	5045-SV	7	130mm	SV	Matt NM-SS	0.4 x 0.4mm
Replaceable ESD Safe	5055	7	130mm	CF	Matt NM-SS	0.4 x 0.4mm



rounded end

Replaceable ESD Safe	5040-SV	2AB	130mm	SV	Matt NM-SS	2 x 0.3mm
Replaceable ESD Safe	5050	2AB	130mm	CF	Matt NM-SS	2 x 0.3mm

TWEEZERS

PELCO® SV Replaceable Tip Carbon Fiber Tweezers; EDS-Safe Carbon Wafer Handling Tweezers

■ PELCO® ESD Safe, PVDF (SV) Tipped & ESD Safe, Polyamide 66 (CF) Tweezers

Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
<i>self closing, reverse type, provides a firm grip</i>						
Replaceable ESD Safe	5044-SV	5X	127mm	SV	Matt NM-SS	0.4 x 0.4mm
Replaceable ESD Safe	5054	5X	127mm	CF	Matt NM-SS	0.4 x 0.4mm

<i>rounded end</i>						
Replaceable ESD Safe	5042-SV	2X	130mm	SV	Matt NM-SS	2 x 0.4mm
Replaceable ESD Safe	5052	2X	130mm	CF	Matt NM-SS	2 x 0.4mm

■ EDS-Safe Carbon Wafer Handling Tweezers

Description	Prod. No.	Style	Length	Tip	Handle	for Wafer Size
These tweezers are ESD-safe with patented ESD-safe replacement tips and EZ lever handle.						
Replaceable ESD Safe	5048-SV	2WF	137mm	Carbon Fiber	Matt NM-SS	.5.8cm (2")

5048-SV-1 Carbon Fiber Wafer Handling Replacement Tips, Style 2WF, 1 pair

<i>rounded end</i>						
Replaceable ESD Safe	5049-SV	4WF	137mm	Carbon Fiber	Matt NM-SS	5.8 - 10.2cm (2 - 4")
Replaceable ESD Safe	5049-SV	4WF	137mm	Carbon Fiber	Matt NM-SS	5.8 - 10.2cm (2 - 4")

5049-SV-1 Carbon Fiber Wafer Handling Replacement Tips, Style 4WF, 1 pair

<i>rounded end</i>						
Replaceable ESD Safe	5031	-	132mm	Carbon Fiber	Matt NM-SS	10.2 - 15.2cm (4 - 6")
Replaceable ESD Safe	5031	-	132mm	Carbon Fiber	Matt NM-SS	10.2 - 15.2cm (4 - 6")

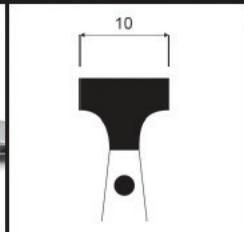
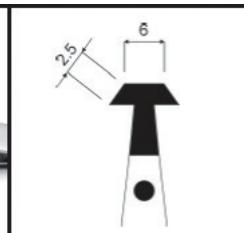
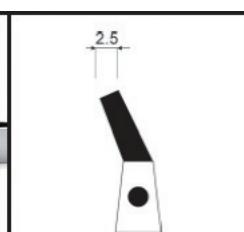
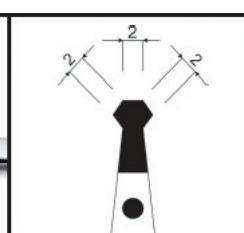
5031-1 Carbon Fiber Wafer Handling Replacement Tips, for No. 5031, 1 pair

<i>rounded end</i>						
Replaceable ESD Safe	5032	-	132mm	Carbon Fiber	Matt NM-SS	15.2 - 25.4cm (6 - 10")
Replaceable ESD Safe	5032	-	132mm	Carbon Fiber	Matt NM-SS	15.2 - 25.4cm (6 - 10")

5032-1 Carbon Fiber Wafer Handling Replacement Tips, for No. 5032, 1 pair

■ PELCO® Pro Soft Tip Tweezers

The ESD safe PELCO® Pro carbon fiber soft tip tweezers have scratch proof, polyamide/carbon fiber tips, specially designed to handle sensitive parts. The polyamide 66 is reinforced with 30% carbon fibers. The soft tips exhibit high rigidity, low friction, self lubricating properties and excellent wear and abrasion resistance. The tips have good chemical resistance (oils, grease, fuels, non polar solvents), but are not resistant to strong acid, hot water or steam. Can be operated at temperatures up to 130°C (266°F), for short use maximum temperature is 190°C (374°F). Typical applications include handling of sensitive components, soft materials, electronic components, micro-mechanical parts, glass, quartz, ceramics and small wafers. The tweezers body is made from non-magnetic stainless steel. Available in 4 styles.

Description	Prod. No.	Style	Length	Metal	Finish	Points Width
						
Carbon Fiber Soft Tip	5051-CF	51	110mm	Carbon Fiber	Matt NM-SS	10mm width
						
Carbon Fiber Soft Tip	5052-CF	52	110mm	Carbon Fiber	Matt NM-SS	6mm spade
						
Carbon Fiber Soft Tip	5053-CF	53	110mm	Carbon Fiber	Matt NM-SS	angled 2mm width
						
Carbon Fiber Soft Tip	5054-CF	54	110mm	Carbon Fiber	Matt NM-SS	triangle 2x2x2mm

TWEEZERS

Cantilever Tweezers; Manipulating, Sorting Tweezers

■ Cantilever Tweezers



Enlarged view of tips

Easily grasp AFM cantilevers / probes with these precise stainless steel, non-magnetic tweezers. 4-5/8" (117mm) long.

5599 AFM Cantilever Tweezers, Stainless Steel, Non-magnetic each

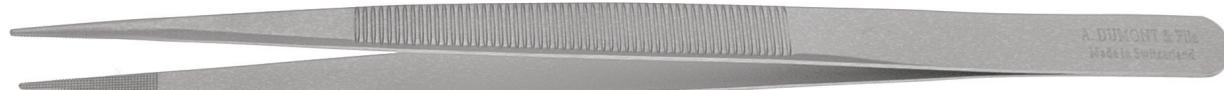
■ DUMONT 70 - Manipulating, Sorting and Placement Tweezers

DUMONT Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
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The style 70 Dumont tweezers are ideal for sorting, manipulating, picking and placing small parts or specimens varying from 0.1 to 5mm. The long slender ergonomically designed tweezers are easy to handle, allow for precise movements and are available in stainless steel and titanium.

In stainless steel there are three tip sizes available to suit a variety of applications. These high quality tweezers are used in electronics, sample preparation, forensics, manufacturing, assembly and jewelry sorting.

The Titanium tweezers are resistant to acid corrosive environments, absolutely non-magnetic and are suitable for clean rooms. They have micro-textured tips for better grip. The stainless steel tweezers are made from magnetic stainless steel for standard application in assembly, electronics and sample preparation.



70F-SS, Serrated Tips	5522	70	160mm	SS	Matt	0.40 x 0.85mm
70F-Ti, Serrated Tips	5523	70	160mm	Ti	Matt	0.40 x 0.85mm

Plastic Pliers and Tweezers

These light weight tweezers and pliers are non-absorbent, have a positive, gentle grip, are non-magnetic and the tips do not open when extra pressure is applied. They resist acetone, alcohol and most acids. Static dissipative (carbon fiber reinforced) versions are available for most models of tweezers.

Ideal for sample preparation, microscopy, etching, electronics, instrumentation, laboratories, forensics and delicate wafer handling. Especially useful for handling scratch-sensitive specimens and components, cleaning and etching processes.

The materials used for the plastic tweezers and pliers are:

Glass Filled Delrin (Acetal/POM) - Excellent resistance to moisture, solvents, gasoline and other natural chemicals. Can withstand temperatures up to 120°C (250°F).

Anti-static Glass Filled Delrin - Carbon Fiber Reinforced, mechanical and thermal properties same as glass filled Delrin, but are also electrically conductive.

Ryton (PPS) - Excellent resistance to solvents, steam, strong bases, fuel and acids. Resists hydrofluoric acid up to 35%. Can withstand temperatures up to 220°C (425°F).

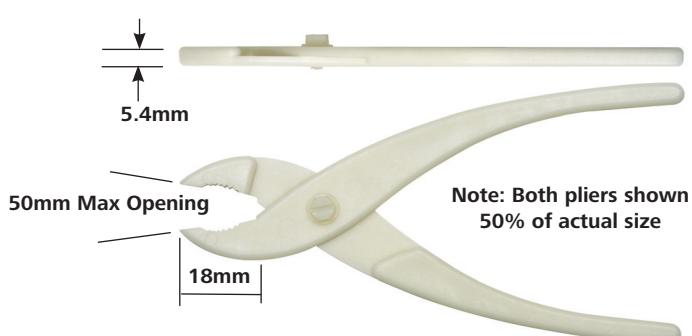
Celcon (POM) - Static dissipative (EDS safe) for handling electronic parts. Excellent wear resistance and resistance to most solvents and fuels. Maximum temperature 80°C (175°F).

Fluorocarbon - Withstands hydrofluoric and other acids, resistant to solvents; ideal for chemical processing. Also resists radiation and UV light.. Has a high dielectric strength and high surface resistivity. Can withstand temperatures up to 480°F (250°C) and cryogenic temperatures up to -240°C (-40°F).

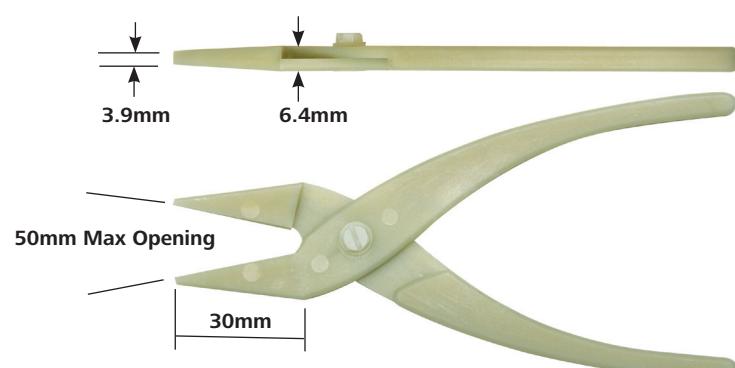
Anti-static PVDF - Carbon fiber reinforced, EDS safe material, excellent chemical resistance to acids, solvents and halogens. Resistant to UV and nuclear radiation. Can withstand temperatures up to 150°C (300°F).

■ Plastic Pliers

Glass-filled Delrin and glass-filled nylon pliers with serrated or non serrated jaws. These pliers resist many chemicals and are not electrically conductive. Thermal conductivity is very low.



53020 Glass-Filled Delrin Pliers, serrated jaws, 138mm, white, holds tubes securely, resists acetone, and alcoholeach



53021 Glass-Filled Nylon Pliers, 148mm, flat jaws, green, for bending wire without damageeach

■ Plastic Tweezers with Sharp Tips

Description	Prod. No.	Style	Length	Material	Points W x Thickness
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Plastic tweezers made from glass-filled Delrin, Celcon, Ryton and fluorocarbon, acid-resistant, several anti-static models, very fine points.



Temperatures up to 80°C / 175°F.

Plastic Tweezer	5680	sharp	116mm	Celcon	0.20 x 0.20mm
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Static dissipative (ESD safe) material. Temperatures up to 80°C / 175°F.

Plastic Tweezer	5675	sharp	110mm	Static Dissipative Celcon	0.3 x 0.3mm
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TWEEZERS

Plastic Tweezers with Sharp Tips; Plastic Tweezers with Flat Tips

■ Plastic Tweezers with Sharp Tips *continued*

Description	Prod. No.	Style	Length	Material	Points W x Thickness
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Temperatures up to 80°C / 175°F.

Plastic Tweezer	5682	sharp	110mm	Celcon	0.2 x 0.2mm
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For precision handling, solvent resistant, temperatures up to 120°C / 250°F.

Plastic Tweezer	53001	sharp	110mm	Glass Filled Delrin	0.2 x 0.2mm
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Anti-static Delrin, temperatures up to 120°C / 250°F. Glass-filled Delrin, carbon reinforced.

Plastic Tweezer	53002	sharp	110mm	Glass-filled Delrin/Carbon	0.18 x 0.18mm
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For temperatures up to 220° C / 425° F when handling such items as microminiature components for soldering.
Useful in chemical processing of semiconductors.

Plastic Tweezer, Heat Resistant	5638	sharp	115mm	Ryton	0.18 x 0.18mm
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■ Plastic Tweezers with Flat Tips

Description	Prod. No.	Style	Length	Material	Points W x Thickness
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For temperatures up to 220° C / 425° F when handling such items as microminiature components for soldering.
Useful in chemical processing of semiconductors.

Plastic Tweezer, Heat Resistant	5616	flat	116mm	Ryton (PPS)	2.4 x 0.20mm
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Convenient for wafers or discs. Solvent resistant. Temperatures up to 120°C / 250°F.

Plastic Tweezer	5615	flat	116mm	Glass-filled Delrin	7.06 x 0.130mm
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■ Plastic Tweezers with Flat Tips *continued*

Description	Prod. No.	Style	Length	Material	Points W x Thickness
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Convenient for sensitive materials, solvent resistant, temperatures up to 120°C / 250°F.

Plastic Tweezer	53003	flat	110mm	Glass-filled Delrin	1.57 x 0.20mm
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Anti-static Delrin, temperatures up to 120°C / 250°F. Glass-filled Delrin (carbon fiber reinforced).

Plastic Tweezer	53004	flat	110mm	Glass-filled Delrin/Carbon	1.40 x 0.20mm
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For low surface tension applications, solvent resistant, temperatures up to 120°C / 250°F.

Plastic Tweezer	53005	flat	110mm	Glass-filled Delrin	2.79 x 0.20mm
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Static dissipative (EDS safe) material. Temperatures up to 80°C / 175°F.

Plastic Tweezer	5676	flat	110mm	Celcon	2.79 x 0.20mm
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Static dissipative (EDS safe) material. Temperatures up to 80°C / 175°F. Glass-filled Delrin (carbon fiber reinforced).

Plastic Tweezer	53006	flat	110mm	Glass-filled Delrin/Carbon	2.87 x 0.15mm
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Convenient for handling membranes or sheets, solvent resistant, temperatures up to 120°C/ 250°F.

Plastic Tweezer	53009	flat	114mm	Glass-filled Delrin	11.9 x 0.15mm
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TWEezers

Plastic Tweezers with Flat Tips

■ Plastic Tweezers with Flat Tips *continued*

Description	Prod. No.	Style	Length	Material	Points W x Thickness
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Convenient for larger flat parts, guidance pin for precise handling, solvent resistant, temperatures up to 120°C/ 250°F.

Plastic Tweezer	53010	flat	165mm	Glass-filled Delrin	9.13 x 0.13mm
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Convenient for larger items. Solvent resistant. Temperatures up to 120°C/ 250°F.

Plastic Tweezer	5671	flat	165mm	Glass-filled Delrin	3.28 x 0.22mm
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Plastic Tweezer	5670	flat	162mm	Fluorocarbon (CTFE)	2.38 x 0.23mm
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Solvent resistant, temperatures up to 120°C/ 250°F.

Plastic Tweezer	5687	2a	115mm	Glass-filled Delrin	2.77 x 0.25mm
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Static dissipative (EDS safe) material. Temperatures up to 80°C / 175°F.

Plastic Tweezer	5637	P2A/W	114mm	Celcon static dissipative	2.77 x 0.25mm
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For temperatures up to 220° C / 425° F when handling such items as microminiature components for soldering. Useful in chemical processing of semiconductors.

Plastic Tweezer, Heat Resistant	5639	P2A/B	116mm	Ryton	2.77 x 0.25mm
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■ Plastic Tweezers with Wafer Tips

Description	Prod. No.	Style	Length	Material	Points W x Thickness
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electronics, microscopy, instrumentation, industrial

Acid resistant, non-magnetic, gentle positive grip, non-absorbent. Resists acetone and alcohols. Tips will not open when extra pressure is applied. Very economical tweezers.



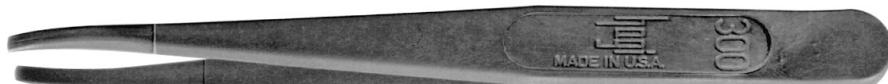
Useful for chemical processing. Withstands radiation. Resists hydrofluoric acid. Temperatures up to 204°C / 400°F.

Plastic Tweezer, serrated thin tips	5610	wafer	112mm	Fluorocarbon (CTFE)	2.24 x 0.30mm
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Suitable for semiconductor use (wafers). Flat, parallel, smooth tips. Solvent resistant. Temperatures up to 120°C / 250°F.

Plastic Tweezer, serrated thin tips	5611	wafer	116mm	Glass-filled Delrin	2.90 x 0.20mm
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Suitable for semiconductor use. Solvent resistant. Temperatures up to 120°C / 250°F.

Plastic Tweezer	53007	wafer	115mm	Glass-filled Delrin	2.49 x 0.28mm
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Anti-static Delrin, temperatures up to 120°C / 250°F. Glass-filled Delrin (carbon fiber reinforced).

Plastic Tweezer	53008	wafer	116mm	Glass-filled Delrin/Carbon	2.46 x 0.18mm
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Useful for chemical processing. Resists hydrofluoric acid. Temperatures up to 204°C / 400°F.

Plastic Tweezer	53011	wafer	112mm	Fluorocarbon (CTFE)	2.16 x 0.18mm
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Green, soft with strong point. Temperatures up to 204°C / 400°F.

Plastic Tweezer, serrated thick tips	53013	wafer	112mm	Fluorocarbon (CTFE)	2.16 x 0.25mm
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Green, soft points. Temperatures up to 120°C / 250°F.

Plastic Tweezer	53014	wafer	112mm	Delrin	2.54 x 0.33mm
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TWEezers

PELCO® SV Carbon Fiber Reinforced Tweezers

■ PELCO® ESD Safe, PVDF (SV) & ESD Safe, Polyamide 66 (CF) Tweezers

Description	Prod. No.	Style	Length	Material	Points W x Thickness
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These high performance precision, conductive, PELCO® SV ESD Safe, PVDF And Pelco® CF Polyamide tweezers are ideal for forensic, electronic and sample preparation applications where handling of scratch-sensitive material or samples is required. The soft touch surface avoids cutting or damaging hairs, fibers, paper, bullets and rounds. Compatible for clean room applications and suitable for chemical processing. Light weight, strong and sturdy material. Also ideal for magnetic applications, since the material will not be magnetized. The tweezers are made of carbon fiber reinforced PVDF (polyvinylidene fluoride) or CF (carbon fiber reinforced polyamide 66) and have the following features:

- Smooth surface paired to high mechanical strength and toughness
- Anti static, ESD safe material
- Heat stabilized, continuous use with temperatures up to 150°C / 300°F
- High purity - clean room compatible
- High abrasion resistance
- Excellent chemical resistance to most acids, solvents and halones
- Resistant to UV and X-ray radiation

Typical applications:

- Handling of scratch and contamination sensitive components
- Cleaning and etching processes
- Handling of static and/or static sensitive components
- Handling of soft specimens

Sharp Points



PELCO® SV Carbon Fiber Tweezer	5412	sharp 707	115mm	SV	0.12 x 0.12mm
PELCO® CF Carbon Fiber Tweezer	5104	sharp 707	115mm	CF	0.12 x 0.12mm



PELCO® SV Carbon Fiber Tweezer	5415	sharp 708	115mm	SV	0.25 x 0.12mm
PELCO® CF Carbon Fiber Tweezer	5107	sharp 708	115mm	CF	0.25 x 0.12mm



PELCO® SV Carbon Fiber Tweezer	5411	sharp 705	115mm	SV	0.25 x 0.12mm
PELCO® CF Carbon Fiber Tweezer	5103	sharp 705	115mm	CF	0.25 x 0.12mm



PELCO® SV Carbon Fiber Tweezer	5417	sharp 707A	115mm	SV	0.17 x 0.2mm
PELCO® CF Carbon Fiber Tweezer	5108	sharp 707A	115mm	CF	0.17 x 0.2mm

Flat Tips



PELCO® SV Carbon Fiber Tweezer	5413	flat 709	115mm	SV	3.50 x 0.12mm
PELCO® CF Carbon Fiber Tweezer	5105	flat 709	115mm	CF	3.50 x 0.12mm



PELCO® SV Carbon Fiber Tweezer	5414	flat 710	115mm	SV	8.0 x 0.12mm
PELCO® CF Carbon Fiber Tweezer	5106	flat 710	115mm	CF	8.0 x 0.12mm

■ PELCO® Ergonomic, ESD, Soft Grip Tweezers

Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
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These non-magnetic precision tweezers with soft ESD safe ergonomic grips offer enhanced operator comfort and safe handling of ESD sensitive components. The soft and elastic handles are made of vulcanized nitrile butadiene rubber (NBR) and have a low surface resistivity of 108 – 109 Ohm. The material has outstanding wear/abrasion resistance and good chemical resistance against oils, grease, fuels, acid and detergents. Ideal for repetitive handling tasks in specimen preparation, electronics, instrumentation, laboratories, forensics and delicate wafer handling. Especially useful for handling ESD sensitive components. The soft grip greatly improves handling of pressure sensitive parts/components.



PELCO® ESD	5080	AA	130mm	SS	Matt	0.4 x 0.20mm
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PELCO® ESD	5081	5	115mm	SS	Matt	0.10 x 0.12mm
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PELCO® ESD	5082	3C	115mm	SS	Matt	0.26 x 0.18mm
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PELCO® ESD	5083	3	125mm	SS	Matt	0.10 x 0.10mm
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PELCO® ESD	5084	7	120mm	SS	Matt	0.20 x 0.10mm
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PELCO® ESD	5085	00	125mm	SS	Matt	1 x 0.57mm
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PELCO® ESD	5086	2A	125mm	SS	Matt	0.17 x 0.11mm
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TWEEZERS

PELCO® ESD, Ergonomic Tweezers

■ PELCO® ESD, Ergonomic Tweezers

Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness
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These non-magnetic stainless steel precision tweezers with ESD safe black foam cushion grip offer improved operator comfort and reduced fatigue for safe handling of ESD sensitive components. The soft foam cushions are made from ESD safe (108 Ohm) and are clean room safe.

Ideal for repetitive handling tasks in specimen preparation, electronics, instrumentation, laboratories and forensics. Especially useful for handling ESD sensitive components or small static items. The soft foam grip greatly improves handling of sensitive parts.



PELCO® ESD Ergonomic	5070	AA	130mm	NM-SS	Matt	0.4 x 0.20mm
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extra fine tips



PELCO® ESD Ergonomic	5071	5	115mm	NM-SS	Matt	0.20 x 0.12mm
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very fine tips and superior finish



PELCO® ESD Ergonomic	5072	3C	115mm	NM-SS	Matt	0.26 x 0.18mm
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very fine tips and superior finish



PELCO® ESD Ergonomic	5073	3	125mm	NM-SS	Matt	0.10 x 0.10mm
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fine curved tips



PELCO® ESD Ergonomic	5074	7	120mm	NM-SS	Matt	0.20 x 0.10mm
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flat edges, thick



PELCO® ESD Ergonomic	5075	OO	125mm	NM-SS	Matt	1 x 0.57mm
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strong, sharp, rounded tips



PELCO® ESD Ergonomic	5076	2A	125mm	NM-SS	Matt	0.17 x 0.11mm
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■ PELCO® ESD, Ergonomic Tweezers *continued* ; Zirconia Ceramic Tweezers

Description	Prod. No.	Style	Length	Metal	Finish	Points W x Thickness	
for fine, soft wire cutting and grid tab nipping		5079	15AGW	120mm	NM-SS	Matt	10 x 3mm

■ Zirconia Ceramic Tweezers

Description	Prod. No.	Style	Length	Material	Points W x Thickness
These full body Zirconia Ceramic Tweezers are useful for demanding requirements for high grade application in clean rooms, chemistry, semiconductor and electronics manufacturing, analytical chemistry, biotechnology and nanotechnology. The zirconia ceramic tweezers exhibit a smooth surface with a very low friction coefficient. They are light weight, fully anti-magnetic, contamination-free, solder-resistant, wear-resistant and non-conductive (both thermally and electrically).					
Other features are:					
<ul style="list-style-type: none"> Excellent resistance to strong acids except hydrofluoric acid Temperature resistance to 1500°C Well suited for soldering applications Can be sterilized with microwaves Free from metallic contamination 6x harder than stainless steel, 2x harder than carbon steel Available with standard, fine and curved points. We also offer Ceramic Tip Tweezers with Stainless Steel Body 					

Ceramic Tweezers	5026-1	straight	130mm	Zirconia	1.37 x 0.73mm
					

Ceramic Tweezers, Serrated Tip	5026-2	straight	130mm	Zirconia	1.47 x 0.76mm
					

Ceramic Tweezers, Fine Tip	5026-4	straight	130mm	Zirconia	0.66 x 0.46mm
					

Ceramic Tweezers, Curved Fine Tip	5026-7	curved	130mm	Zirconia	0.40 x 0.56mm
					

TWEEZERS

PELCO® Gold Plated Tweezers

■ PELCO® Gold Plated Tweezers

Description	Prod. No.	Style	Length	Material	Points W x Thickness
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The PELCO® Pro Gold Plated Tweezers are high precision tweezers with fine points and an excellent price/performance ratio. The Swiss made tweezers are made from anti-acid, non-magnetic stainless steel and plated with 2 microns of pure 24-Karat gold on the working end of the tweezers. Gold plating resists chemical corrosion, oxidation and has excellent quality as an electrical conductor. Various styles are available. Applications for the PELCO® Pro Gold Plated Tweezers include microelectronics, TEM staining, immunogold work, electro-chemistry and nanotechnology work. The PELCO® Pro Gold Plated Tweezers are autoclavable.



PELCO® Pro Gold Plated Fine points bent at 45° High Precision	5367-1G	3CB	109mm	NM-SS Au plated	0.10 x 0.06mm
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PELCO® Pro Gold Plated Straight, High Precision	5367-2G	3	120mm	NM-SS Au plated	0.17 x 0.10mm
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PELCO® Pro Gold Plated Straight, Fine Point, High Precision	5367-3G	4	110mm	NM-SS Au plated	0.10 x 0.06mm
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PELCO® Pro Gold Plated Extra Fine points bent at 45°, High Precision	5367-4G	5B	110mm	NM-SS Au plated	0.05 x 0.01mm
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PELCO® Pro Gold Plated Straight, Extra Fine Point, High Precision	5367-5G	5	110mm	NM-SS Au plated	0.05 x 0.02mm
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PELCO® Pro Gold Plated Anti Capillary, Extra Fine Point, High Precision	5367-6G	5TTH	110mm	NM-SS Au plated	0.07 x 0.02mm
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PELCO® Pro Gold Plated Curved, Fine Point, High Precision	5367-7G	7	115mm	NM-SS Au plated	0.10 x 0.06mm
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■ PELCO® Gold Plated Tweezers *continued*

Description	Prod. No.	Style	Length	Material	Points W x Thickness
	5375-G	5X	109mm	NM-SS Au plated	0.13 x 0.12mm
	5372-G	7X	116mm	NM-SS Au plated	0.16 x 0.17mm
	5378-G	5TTHX	116mm	NM-SS Au plated	0.10 x 0.15mm

■ PELCO® Completely Gold Coated Tweezers

Description	Prod. No.	Style	Length	Material	Points W x Thickness
	5367-8G	1	120mm	NM-SS Au plated	0.10 x 0.13mm
	5367-9G	2A	120mm	NM-SS Au plated	1.78 x 0.15mm

TWEezers

PELCO® Pro High Precision Tweezers

■ PELCO® Pro High Precision Tweezers

Description	Prod. No.	Style	Length	Material	Points W x Thickness
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The PELCO® Pro High Precision tweezers are made from a non-magnetic, low carbon stainless steel. The tweezers exhibit good corrosion resistance to most chemicals, salts and acids. Typical applications for these tweezers include microscopy preparation, sample handling, precision manufacturing, electronic industry, watch making and general laboratory and medical applications. Although the tweezers are made from a non-magnetic alloy, they are not recommended for use where strong magnetic fields are present. Available in 11 styles and as a set in a top quality plastic wallet with foam lining.



PELCO® Pro High Precision, strong tips, flat edges	5367-10NM	OO	120mm	NM-SS	0.86 x 0.51mm
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PELCO® Pro High Precision, flat accurate round tips	5367-11NM	2A	120mm	NM-SS	Ø1.85 x 0.18mm
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PELCO® Pro High Precision, very sharp, fine tips	5367-2NM	3	120mm	NM-SS	0.17 x 0.10mm
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PELCO® Pro High Precision, shorter with very fine, sharp tips	5367-9NM	3C	110mm	NM-SS	0.10 x 0.15mm
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PELCO® Pro High Precision, very sharp, fine tips	5367-1NM	3CB	110mm	NM-SS	0.10 x 0.06mm
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PELCO® Pro High Precision, extra sharp tips	5367-3NM	4	110mm	NM-SS	0.10 x 0.06mm
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PELCO® Pro High Precision, extra fine tips, superior finish	5367-5NM	5	115mm	NM-SS	0.05 x 0.02mm
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PELCO® Pro High Precision, extra fine, bent tips	5367-4NM	5B	110mm	NM-SS	0.07 x 0.03mm
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■ PELCO® Pro High Precision Tweezers *continued*

Description	Prod. No.	Style	Length	Material	Points W x Thickness
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PELCO® Pro High Precision, anti-capillary, extra fine tips	5367-6NM	5TTH	110mm	NM-SS	0.07 x 0.02mm
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PELCO® Pro High Precision, flat angles, fine tips	5367-8NM	6	117mm	NM-SS	0.05 x 0.08mm
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PELCO® Pro High Precision, very fine, curved tips	5367-7NM	7	115mm	NM-SS	0.10 x 0.06mm
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PELCO® Pro High Precision Tweezer Set
in top quality, convenient, hard plastic wallet with foam lining

5367-50NM	PELCO® Pro High Precision NM-SS Tweezer Set, Styles 00, 2A, 3C, 5 and 7, in wallet.....	each
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