

CHANGEABLE TIPS TWEEZERS

The body of the tweezers is made from anti-magnetic, non-corrosive and acid-resistant stainless steel – non-reflective and matt-polished

Carbofib tips

Carbon-fibre reinforced plastic, electrically conductive 10^2 – 10^3 ohms, scratch-proof, fully elastic, fatigue-resistant, vibration-dampening, water-repellent, resistant to most acids, alkalis and solvents.

The following types are available, specifications in mm:

Art.-No.	Short description	Icon	Shape	A	B	C	Angle	Material	Total length	Weight in g
5-431	ESD tweezers with changeable tips	PAG1	70 CV	26	1.5			stainless steel / Carbofib	125	17
5-431-0	ESD replacement tips for 5-431 (pair)	PAG1	70 CV					Carbofib	42	2
5-432	ESD tweezers with changeable tips	PAG3	72 CV	26	2			stainless steel / Carbofib	125	17
5-432-0	ESD replacement tips for 5-432 (pair)	PAG3	72 CV					Carbofib	42	2
5-433	ESD tweezers with changeable tips	PAG3	74 CV	26	1.2			stainless steel / Carbofib	125	17
5-433-0	ESD replacement tips for 5-433 (pair)	PAG3	74 CV					Carbofib	42	2
5-434	ESD tweezers with changeable tips	PAG1	76 CV	26	0.6			stainless steel / Carbofib	125	17
5-434-0	ESD replacement tips for 5-434 (pair)	PAG1	-					Carbofib	42	2
NEW 5-436	ESD tweezers with changeable tips	PAB1	82 CV	25	15	1		stainless steel / Carbofib	125	18
5-436-0	ESD replacement tips for 5-436 (pair)	PAB1	-					Carbofib	42	2
NEW 5-437	ESD tweezers with changeable tips	PAB2	84 CV	20		1.6	45°	stainless steel / Carbofib	125	18
5-437-0	ESD replacement tips for 5-437 (pair)	PAB2	-					Carbofib	42	2



Delrin tips

Universal plastic, fully insulating for 10^{13} and 10^{15} ohms, excellent technical properties, low frictional resistance, good abrasion resistance, excellent spring power, high fatigue strength, high dielectric strength, low dielectric dissipation factor, good chemical resistance, particularly to solvents, very resistant to stress crack shapeation.

Ceramic tips

Conductive between 10^6 and 10^9 ohms, highly wear-resistant ceramic (zirconium), excellent mechanical and thermal properties, heat-resistant up to 800 °C, solder-repellent, coefficient of thermal expansion 10×10^{-6} K⁻¹, thermal conductivity 2 W/mK, resistant to acids and solvents.

The following types are available, specifications in mm:

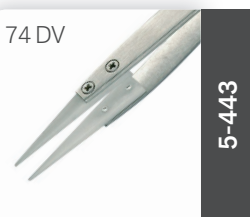
Art.-No.	Short description	Icon	Shape	A	B	Material	Total length	Weight in g
5-441	Delrin tweezers	PAG1	70 DV	26	1.4	stainless steel / Delrin	125	17
5-441-0	Delrin replacement tips for 5-441 (pair)	PAG1	-			Delrin	42	2
5-443	Delrin tweezers	PAG3	74 DV	26	1.1	stainless steel / Delrin	125	17
5-443-0	Delrin replacement tips for 5-443 (pair)	PAG3	-			Delrin	42	2
5-452	ESD ceramic tweezers	PAG3	2 AZJ	25	1.8	stainless steel / Zirconia	125	17
5-452-0	ESD ceramic replacement tips for 5-452 (pair)	PAG3	-			Zirconia	42	2
5-454	ESD ceramic tweezers	PAG2	71 ZJ	30	0.7	stainless steel / Zirconia	125	17
5-454-0	ESD ceramic replacement tips for 5-454 (pair)	PAG2	-			Zirconia	42	2

70 DV



5-441

74 DV



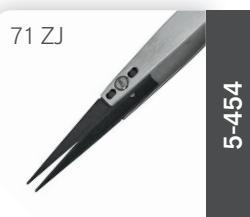
5-443

72 AZJ



5-452

71 ZJ



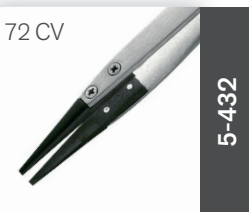
5-454

70 CV



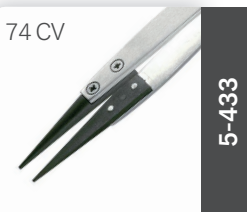
5-431

72 CV



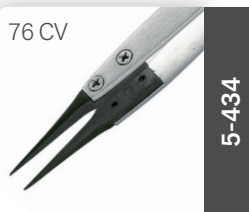
5-432

74 CV



5-433

76 CV



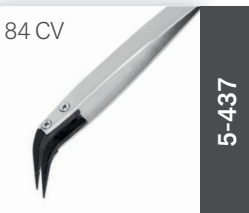
5-434

82 CV



5-436

84 CV



5-437

PLASTIC TWEEZERS

ESD tweezers made of conductive, black, glass fibre reinforced plastic material (Vestamid) which is antimagnetic, resistant to acids, usable at temperatures up to 175 °C and free of silicone and Armin.

The precisely matched tip closure allows components to be held optimally at a constant pressure.

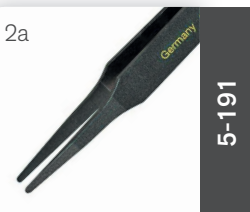
Conductive between 10^3 and 10^5 ohm.

The following types are available, specifications in mm:



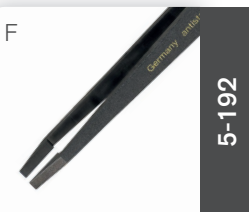
Art.-No.	Short description	Icon	Shape	A	B	C	Angle	Material	Total length	Weight in g
5-191	ESD plastic precision tweezers	PTG4	2a	35	2	0.6		PA	120	5
5-192	ESD plastic precision tweezers	PNG4	F	11.2	3.2			PA	120	5
5-193	ESD plastic precision tweezers	PFG2	35	5	6.35	1		PA	120	5
5-194	ESD plastic precision tweezers	PTB3	6		12		16°	PA	120	5
5-195	ESD plastic precision tweezers	PNG3	BB	13	0.65			PA	120	5
05-0030	plastic tweezers	PNG5	-	14	3			PP	130	6

2a



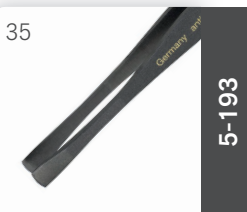
5-191

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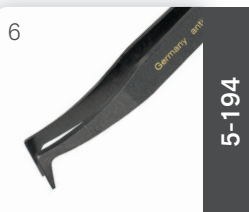
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35



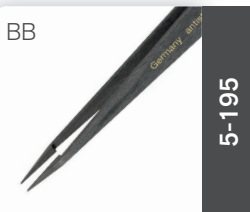
5-193

6



5-194

BB



5-195



05-0030