

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	Shape	Type	Material	Total length	Weight in g
5-191	ESD plastic precision tweezers	2a	tip 2 mm wide, conductive	PA	120	5
5-192	ESD plastic precision tweezers	F	tip 3 mm wide, conductive	PA	120	5
5-193	ESD plastic precision tweezers	35	tip 6 mm wide, conductive	PA	120	5
5-194	ESD plastic precision tweezers	6	hook tip, conductive	PA	120	5
5-195	ESD plastic precision tweezers	BB	very fine tip, conductive	PA	120	5
05-0030	plastic tweezers	-	serrated tip, insulated	PP	130	6



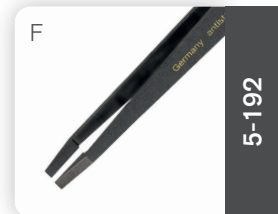
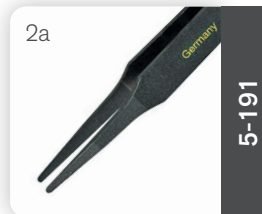
► 5-090 V

ESD plastic precision tweezers set VARIO 5 pcs

Content: 5-090-0 ESD tool holder VARIO 8 slotted holes

5-191, 5-192, 5-193, 5-194, 5-195

Weight: 530 g



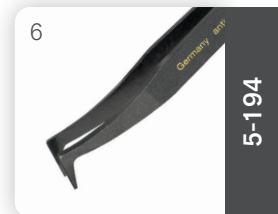
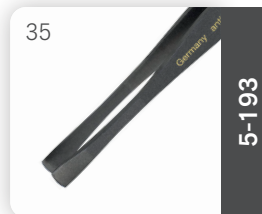
► 5-190 V

ESD plastic precision tweezers set VARIO pcs

Content: 5-090-0 ESD tool holder VARIO 8 slotted holes

5-191, 5-192, 5-193, 5-194, 5-195, 5-454

Weight: 390 g



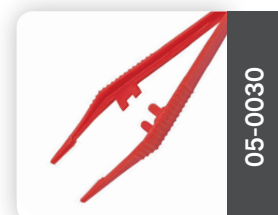
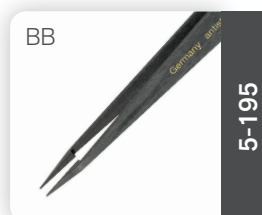
► 5-180

ESD plastics precision tweezers set 5 pcs

Content: 5-180-0 tweezers holder made of dissipative plastic

5-191, 5-192, 5-193, 5-194, 5-195

Weight: 200 g



p. 36 VARIO-Holder



5-090 V



5-190 V



5-180

CHANGEABLE TIPS TWEEZERS

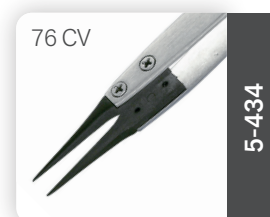
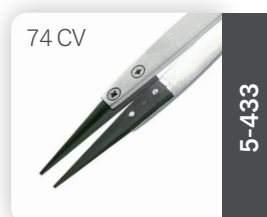
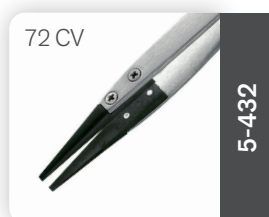
The body of the tweezers is made from anti-magnetic, non-corrosive and acid-resistant stainless steel – non-reflective and matt-polished

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	Shape	Type	Material	Total length	Weight in g
5-431	ESD tweezers with changeable tips	70 CV	rounded tips 1.5 mm wide, conductive	stainless steel / Carbofib	125	17
5-431-0	ESD replacement tips for 5-431 (pair)	70 CV	rounded tips 1.5 mm wide, conductive	Carbofib	42	2
5-432	ESD tweezers with changeable tips	72 CV	angular tips 2 mm wide, conductive	stainless steel / Carbofib	125	17
5-432-0	ESD replacement tips for 5-432 (pair)	72 CV	angular tips 2 mm wide, conductive	Carbofib	42	2
5-433	ESD tweezers with changeable tips	74 CV	narrow blunt tip 1 mm wide, conductive	stainless steel / Carbofib	125	17
5-433-0	ESD replacement tips for 5-433 (pair)	74 CV	narrow blunt tip 1 mm wide, conductive	Carbofib	42	2
5-434	ESD tweezers with changeable tips	76 CV	very fine rounded tip 0.6 mm, conductive	stainless steel / Carbofib	125	17
5-434-0	ESD replacement tips for 5-434 (pair)	76 CV	very fine rounded tip 0.6 mm, conductive	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 formation.

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	Shape	Type	Material	Total length	Weight in g
5-441	Delrin tweezers	70 DV	rounded tips 1.5 mm wide, insulated	stainless steel / Delrin	125	17
5-441-0	Delrin replacement tips for 5-441 (pair)	70 DV	rounded tips 1.5 mm wide, insulated	Delrin	42	2
5-443	Delrin tweezers	74 DV	narrow blunt tips 1 mm wide, insulated	stainless steel / Delrin	125	17
5-443-0	Delrin replacement tips for 5-443 (pair)	74 DV	narrow blunt tips 1 mm wide, insulated	Delrin	42	2
5-452	ESD ceramic tweezers	2 AZJ	rounded tips 2 mm wide, insulated	stainless steel / Zirconia	125	17
5-452-0	ESD ceramic replacement tips for 5-452 (pair)	2 AZJ	rounded tips, 2 mm wide, insulated	Zirconia	42	2
5-454	ESD ceramic tweezers	71 ZJ	fine tips 0.7 mm wide, insulated	stainless steel / Zirconia	125	17
5-454-0	ESD ceramic replacement tips for 5-454 (pair)	71 ZJ	fine tips 0.7 mm wide, insulated	Zirconia	42	2

