

# ESD plastic tweezers set VARIO 6 pcs

<b>Art.-No.</b>	5-190-V
<b>Description</b>	ESD plastic tweezers set VARIO 6 pcs
<b>Application</b>	Precision mechanics, electronics, SMD/THT assembly, precision work, jewelers, watchmakers
<b>Specification</b>	Dimensions see data sheets individual articles (pictogram)
<b>Material</b>	ESD plastic Vestamid PA12
<b>Surface/Coating</b>	/
<b>Features</b>	abrasion resistant, antistatic, heat-resistant, solder-repellent, acid-resistant, stable (sturdy), wear-resistant, conductive
<b>Surface resistance</b>	$10^3$ to $10^4$ Ohm
<b>Total length</b>	measures 150 × 180 × 80 mm
<b>Weight</b>	weight 390 g

## Application and technical data

Ceramic-stainless-steel-tweezers with interchangeable tips 0.7 mm wide. Plastic ESD tweezers permanently antistatic, electrically conductive made of glass fiber reinforced plastic material (Vestamid), anti-magnetic, resistant to acids, very heat resistant up to 175° C, free of silicone and Armin. For working in clean rooms or on technical equipment, sensors, lithography machines, mirrors and optics of laser equipment or in general machine and apparatus construction. In order to optimally hold components with constant pressure, these tweezers ensure an exactly coordinated tip closure.

Material PA12 Vestamid L-series (cleanroom compatible). Properties: water repellent, exceptional impact strength and notched impact strength even well below freezing point, good to very good resistance to greases, oils, fuels, hydraulic fluids, many solvents as well as salt solutions and other chemicals, excellent stress cracking resistance, excellent abrasion resistance, low coefficient of sliding friction when dry compared to steel, polybutylene terephthalate, polyacetal, noise and vibration damping properties.

Stainless steel tweezers with replaceable highly wear-resistant ceramic tips (zirconium/zirconium oxide, dissipative between  $10^6$  and  $10^9$  Ohm).

Tool stand VARIO tronics made of 1.5 mm sturdy sheet steel, with black ESD powder coating, conductive  $10^5$  to  $10^9$  Ohm.

## Parts list

ESD plastic tweezers set consists of:

- 5-090-0 ESD tool holder VARIO 8 slots
- 5-191 ESD plastic tweezers 120 mm form 2a tips 2 mm wide
- 5-192 ESD plastic tweezers 120 mm form F tips 3 mm wide
- 5-193 ESD plastic tweezers 120 mm form 35 tips 6 mm wide
- 5-194 ESD plastic tweezers 120 mm form 6
- 5-195 ESD plastic tweezers 120 mm form BB fine tips
- 5-454 ESD changeable ceramic tweezers tips 0.7 width dissipative

