

ESD Stainless Steel Tweezers

◆ Product Description

ESD stainless steel tweezers are precision tools specially developed for electrostatically sensitive work scenarios. They avoid damage to electronic components and precision devices caused by electrostatic breakdown, and with features such as precision tip forming, corrosion resistance, and high strength, they are an ideal tool that balances ESD protection and efficient operation.

- Permanent Dual Anti-static System
- Medical-grade Stainless Steel Material
- Ergonomic Precision Design
- Full-scenario Environmental Adaptability
- Multi-model Precise Adaptability

◆ Product Structure

- ESD stainless steel tweezers adopt an integrated solder-free structure and are made of 302 stainless steel. The tips are precision-ground to ensure clamping accuracy, the variable cross-section design of the tweezer arms balances elasticity and strength, the ergonomic structure of the handle improves operational comfort, and the tail integrates storage and identification functions.

◆ Typical Applications

- ESD stainless steel tweezers are widely used in electronic manufacturing for dense components and narrow-space operations, and in the precision instrument field to protect optical components. Each model precisely matches different components and operating scenarios, not only preventing electrostatic damage to components but also enhancing operational efficiency and safety.



◆ Typical Product Data and Physical Properties

Main Material: 302 Stainless Steel

Reinforced Structure: Stainless Steel Microfilament Braided Layer

Functional Coating: Alloy Conductive Coating

Color: Black

Anti-static Performance: $1.0 \times 10^4 - 1.0 \times 10^{11} \Omega$

Tensile Strength: $\geq 520 \text{MPa}$

Tip Clamping Precision: $\leq 0.01 \text{MM}$

Opening and Closing Fatigue Life: $\geq 100,000$ cycles

Availability:

Item#	Model	Spec	Length	Weight
1.2.06.01.0004	ESD-10	harp and Thin Straight Tip	120MM	0.075kg
1.2.06.01.0007	ESD-11	Wide and Flat Straight Tip	125MM	0.075kg
1.2.06.01.0005	ESD-12	Arc-shaped Straight Tip	120MM	0.075kg
1.2.06.01.0017	ESD-13	45° Curved Pointed Tip	120MM	0.075kg
1.2.06.01.0002	ESD-14	90° Curved Pointed Tip	115MM	0.075kg
1.2.06.01.0001	ESD-15	Spoon-shaped Curved Tip	125MM	0.075kg
1.2.06.01.0008	ESD-16	Flat Duckbill Tip	130MM	0.075kg
1.2.06.01.0003	ESD-17	Short Pointed Straight Tip	100MM	0.075kg

◆ Technical and Application Assistance

HORB provides a technical hotline to answer your technical and application related questions.

◆ Note:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. HORB data is for reference purposes only.

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