

## ELECTRONIC-SERVICE TOOL SETS

The tool sets for mobile use at electrostatically endangered components



### 2220 **BERNSTEIN** SERVICE-SET ANTISTATIC with tool set

2221 Case with zip fastener, without tools

#### Description:

Elegant zipper case, made from **dissipative** black imitation leather and **dissipative** pockets for 12 ESD-tools and foldable ESD-workbench pad with accessories.

**Outside dimensions: 320 x 250 x 50 mm (when closed)**

**Weight with tools: 0.950 kg**

#### Tool set:

No.	Description of individual tools
2-620	<b>PLCC-extractor</b>
3-601-13	<b>Side cutters</b> , 120 mm, for soft wire up to 1.5 mm Ø and hard wire up to 0.4 mm Ø, bright steel-polished, box joint, double leaf spring, with dissipative black hand guard
3-632-13	<b>Flat nose pliers</b> , 120 mm, plain jaws, bright steel-polished, box joint, double leaf spring, with dissipative black hand guard
3-633-13	<b>Snipe nose pliers</b> , 120 mm, plain jaws, bright steel-polished, box joint, double leaf spring, with dissipative black hand guard
4-601	<b>Slotted screwdriver</b> with dissipative handle, blade from chrome vanadium, chrome-plated, with black tip, 50 x 0.8 mm
4-605	<b>Slotted screwdriver</b> with dissipative handle, blade from chrome vanadium, chrome-plated, with black tip, 60 x 2.0 mm
4-606	<b>Slotted screwdriver</b> with dissipative handle, blade from chrome vanadium, chrome-plated, with black tip, 60 x 2.5 mm
4-621	<b>Cross-recess screwdriver</b> size 000, with dissipative handle, blade from chrome vanadium, chrome-plated, with black tip



No.	Description of individual tools
4-622	<b>Cross-recess screwdriver</b> size 00, with dissipative handle, blade from chrome vanadium, chrome-plated, with black tip
4-623	<b>Cross-recess screwdriver</b> size 0, with dissipative handle, blade from chrome vanadium, chrome-plated, with black tip
5-191	<b>Tweezers</b> , made from conductive plastic material, reinforced with glass fibre, 120 mm, with straight, rounded tips
5-192	<b>Tweezers</b> , made from conductive plastic material, reinforced with glass fibre, 120 mm, with straight, 3 mm flat-hand tips
9-354	<b>ESD-handling-set</b> , consisting of: foldable green workbench pad (surface resistance according to DIN 53482: approx. 10 <sup>9</sup> ohm), 500 x 400 x 0.35 mm, contact bracelet 9-342, earth wire 2500 mm long with 1 Mohm safety resistor

### 2300 **BERNSTEIN** ESD Service-Set with tools



#### Description:

The green tool folder serves as an electrical **dissipative** workbench pad of 680 x 680 x 0.35 mm. The surface resistance according to DIN 53482 is approx. 10<sup>9</sup> ohm.

The workbench pad has 3 press-stud receptacles for connecting the contact bracelet and the earth wire.

With 2 additional press-buttons the pad may be closed as tool bag.

The 2 patch pockets carry the contact bracelet and the earth wire.

Furthermore 16 dissipative tools are placed in pockets, ready to hand.

**Outside dimensions: 330 x 240 x 20 mm (when closed)**

**Weight with tools: 0.850 kg**

#### Tool set:

No.	Description of individual tools
2-166	<b>Glass fibre contact cleaner</b> , with rotary mechanism, plastic casing
2-620	<b>PLCC-extractor</b>
3-601-13	<b>Side cutters</b> , 120 mm, for soft wire up to 1.5 mm Ø and hard wire up to 0.4 mm Ø, bright steel-polished, box joint, double leaf spring, with dissipative black hand guard
3-633-13	<b>Snipe nose pliers</b> , 120 mm, plain jaws, bright steel-polished, box joint, double leaf spring, with dissipative black hand guard
4-601	<b>Slotted screwdriver</b> with dissipative handle, blade made from chrome vanadium, chrome-plated, with black tip, 50 x 0.8 mm
4-605	<b>Slotted screwdriver</b> with dissipative handle, blade made from chrome vanadium, chrome-plated, with black tip, 60 x 2.0 mm
4-606	<b>Slotted screwdriver</b> with dissipative handle, blade made from chrome vanadium, chrome-plated, with black tip, 60 x 2.5 mm
4-621	<b>Cross-recess screwdriver</b> size 000, with dissipative handle, blade made from chrome vanadium, chrome-plated, with black tip
4-622	<b>Cross-recess screwdriver</b> size 00, with dissipative handle, blade made from chrome vanadium, chrome-plated, with black tip
4-623	<b>Cross-recess screwdriver</b> size 0, with dissipative handle, blade made from chrome vanadium, chrome-plated, with black tip

No.	Description of individual tools
5-191	<b>Tweezers</b> made from conductive, black plastic material, reinforced with glass fibre, 120 mm, with rounded tips
5-194	<b>Tweezers</b> made from conductive, black plastic material, reinforced with glass fibre, 120 mm with bent, pointed tips
6-616	<b>Socket wrench</b> with dissipative handle, blade made from chrome vanadium, nickel-plated, A/F 3.5 mm
6-661	<b>TORX screwdriver</b> T 5, with dissipative handle, blade made from chrome vanadium, chrome-plated, with black tip
6-664 L	<b>TORX screwdriver</b> T 8 with bore-hole in the tip, with dissipative handle, blade made from chrome vanadium, chrome-plated, with black tip
6-666 L	<b>TORX screwdriver</b> T10 with bore-hole in the tip, with dissipative handle, blade made from chrome vanadium, chrome-plated, with black tip
9-342	<b>Contact bracelet</b> cloth armband, allergy-free, edges and surface insulating, spiral cord, 1 Mohm safety resistor, combined press-stud and terminal connection, to DIN EN 100 015/1
9-346	<b>Earth wire</b> with 1 Mohm safety resistor, 2500 mm long, with terminal connection resp. press-stud, for connecting workbench pad and floor cover and connection to an earth potential