



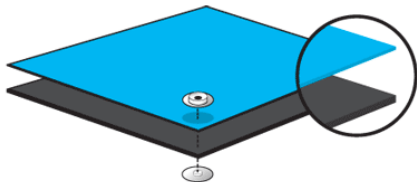
**Kit Includes:**

- 1x ESD Matting (600x1200mm) with 4x10mm stud in each corner
- 1x 3mm Rigid Foamex ESD Caution Sign 500mm x 300mm in German, double sided print, with hanging holes
- 1x Euro Earth Bonding Plug 3x10mm Stud
- 1x10mm Fabric Adjustable Wrist Strap Hypo Allergenic
- 1x10mm to 10mm Coiled Earth Lead
- 1x10mm to 10mm Straight Lead
- 1x Instruction Leaflet



**Matting Specification:**

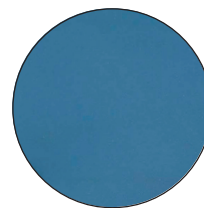
**Construction:**



Static Dissipative Layer

Conductive Layer

**Colours / Finish:**



Blue

Product Code:	Description:	Mat Size:	Additional Notes:
1741448	ESD Workstation Kit - German	600 x 1200mm	Blue (Ref: 069-0008)

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## GROUNDING:

Sufficient ground cords should be used to reliably meet EN 61340-5-1 Table 3 less than  $1 \times 10^9$  ohms for working surfaces. Industry recommendation is that continuous runs of ESD matting should be grounded at 10ft intervals to allow proper charge decay rates. Each individual ESD mat should be grounded with ground snaps located no further than five feet from either end.

## CLEANING:

Please note that contact between the matting surface and any acid or alkali solvent is strictly prohibited (such as Benzene, Alcohol etc), this will result in the antistatic performance wearing away. If cleaning is required, the matting may be wiped with a cloth coated in a neutral solution (such as water).

## GUIDANCE ON USE:

Matting materials have a tendency to shrink slightly when first unrolled. In applications where length is critical, allow the material to relax for at least 4 hours before cutting to size. Matting should always be trimmed with a sharp knife or razor blade.

## CUTTING TOLERANCES:

Width  $\pm 6$ mm

Length  $\pm 6$ mm every linear foot of running material

## RoHS COMPLIANCE:

None of the following materials are intentionally added in manufacturing this product: lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE) as outlined in the Directive 2002/95/EC Article 4.1.

## Test Results:

	Test Method:	Unit:	Value:
Surface Resistance / $R_{TG}$	SJ/T10694-2004	$\Omega$	$1 \times 10^6 \leq R \leq 1 \times 10^9$
Bottom Resistance / $R_{TT}$	SJ/T10694-2004	$\Omega$	$1 \times 10^3 \leq R \leq 1 \times 10^6$
Volume Resistance	GB/T14437-97	$\Omega$	$1 \times 10^5 \leq R \leq 1 \times 10^8$
Thickness	YY-1001	mm	Permissible Tolerance +0.1
Temperature Resistance	YY-1001	$^{\circ}\text{C}$	180 (Instantaneous Temp)
Temperature	N/A	$^{\circ}\text{C}$	20-26
Relative Humidity	N/A	%	40-65

$R_{TG}$  is the resistance from one point on the mat's surface to the mat's ground point, and is the fundamental electrical test for a mat. A proper  $R_{TG}$  insures that a mat can conduct charge from a point on the surface to the mat ground point. The guideline in ESD STM-4.1 for  $R_{TG}$  is  $1 \times 10^6$  to  $1 \times 10^9$  ohms. ANSI/ESD S-20.20 has an upper limit of  $< 1 \times 10^9$  ohms.

$R_{TT}$  is the resistance from one point on the mat's surface to another point. A proper  $R_{TT}$  insures the consistency of the mat's resistance properties. The ESD STM-4.1 guideline for  $R_{TT}$  is  $> 1 \times 10^6$  ohms.

FOR FULL WORKSTATION KIT CONTENTS, PLEASE SEE NEXT PAGE.

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## Contents:

### ESD Caution Sign in German

- 3mm Rigid Foamex
- 500 x 300mm
- Double sided print , supplied with hanging holes

### Earth Bonding Plug 3x10mm Studs

- Incorporates 3x 10mm studs for connection to grounding wire
- Designed to fit Euro mains plug outlets
- Neutral and mains voltage pins are plastic, earth pin is metal

### Fabric Adjustable Wrist Strap Hypo Allergenic

- Sky blue band
- Adjustable for any size of wrist
- 10mm stud
- High quality conductive interior, made of stainless steel nylon filament
- Outer side process with non-conductive nylon yarn
- Conductive back plate to cover the metal part to prevent allergic reaction
- Surface resistivity of  $10^3\Omega$

Resistance from Band $<10^5$ Ohms	Test Method EN 61340-55-1
Underside of Band $<10^4$ Ohms	Test Method EN 61340-5-1
Top Side of Band $<10^6$ Ohms	Test Method EN 61340-5-1

### Coiled Earth Lead

- Excellent quality for use with any kind of wrist band
- Strong connection between the cord and 10mm stud
- 10mm Stud to 10mm Stud
- Special conductive wire, outer covered with non-conductive PU
- Each 10ft coiled cord contains 10 strands
- Diameter of cord: 2.4 mm / Diameter of coil cord: 1.02 cm
- Resistivity: 1M Ohm +/- 10%

### Straight Earth Lead

- Excellent quality for use with any kind of Field Service Kit or Table Mat
- Strong connection between the cord and stud
- Special conductive wire each containing 10 special conductive wires
- Outer covered with non-conductive PU
- Length: 12ft
- Diameter of cord: 2.4 mm
- Resistivity : 1M Ohm +/- 10%

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