

# JBC

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## INSTRUCTION MANUAL



## TMSK / TMBK

ESD Table Mat Set

This manual corresponds to the following references:

**TMS-KA** (450 x 600 mm / 17.72 x 23.62 in)

**TMB-KA** (900 x 600 mm / 35.43 x 23.62 in)

## Packing List

The following items are included:



**ESD Table Mat** ..... 1 unit  
Ref. TMS-A\* (450 x 600 mm / 17.72 x 23.62 in)  
Ref. TMB-A\* (900 x 600 mm / 35.43 x 23.62 in)



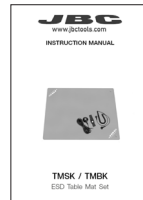
**ESD Spiral Earthing Cable** ..... 1 unit  
Ref. TM20



**ESD Earthing Cable** .....1 unit  
Ref. TM21



**ESD Earthing Wristband** ..... 1 unit  
Ref. TM50



**Manual** ..... 1 unit  
Ref. 0031826

## Application

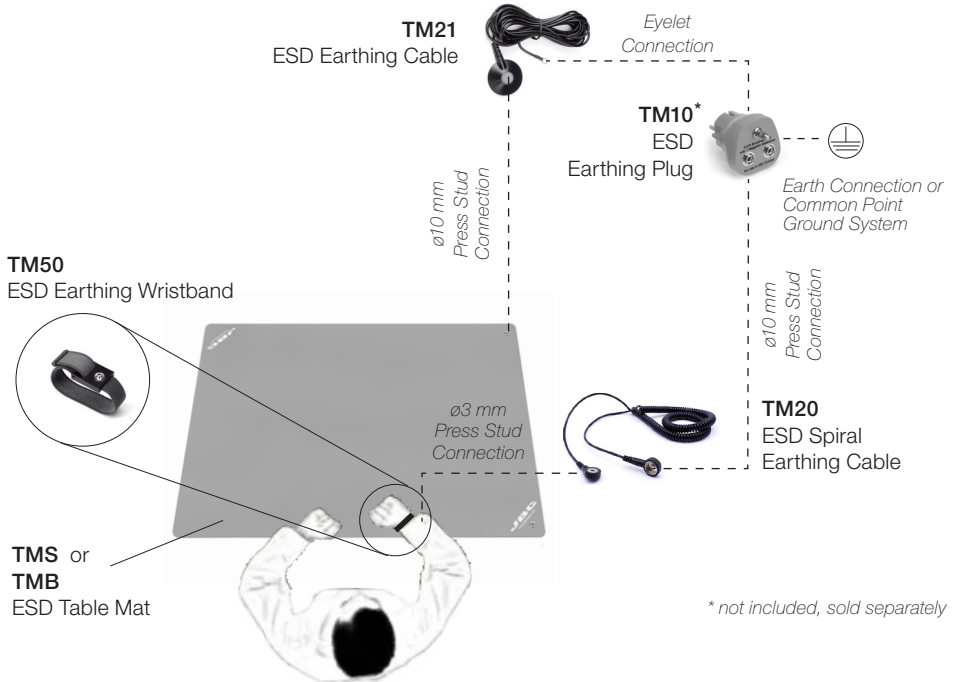
To equip an EPA (Electrostatic Protected Area) workplace, it is necessary to place, among other items, an ESD table mat on the workplace.

These components help to protect static-sensitive components from electrostatic discharge by dissipating charge from objects placed on their surface. This prevents sensitive components from being damaged by electrostatic discharges.

\*Only 1 table mat is supplied, according to purchased reference.

## Workplace Connection Example

JBC table mat set is equipped with a high quality ESD table mat and the following matching accessories: an ESD spiral earthing cable, an ESD earthing cable and an ESD earthing wristband.



## Features

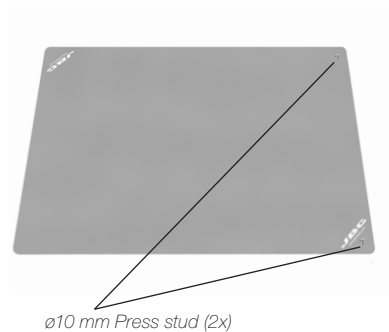
**TMS\***  
ESD Table Mat 450 x 600 mm / 17.72 x 23.62 in

**TMB\***  
ESD Table Mat 900 x 600 mm / 35.43 x 23.62 in

The table mat is heat, solder, oil and chemical resistant.

It comes with an anti-reflective grey surface, a non-slipping bottom-side and rounded corners.

Each table mat is equipped with two  $\varnothing 10$  mm press studs, any of which can be connected to a grounded connection or a grounded common point.



*\*References TM45 and TM90  
include only the table mat.*

## TM20

### ESD Spiral Earthing Cable

The spiral earthing cable has a length of 2.4 m / 94.49 in and is made out of a highly elastic material that allows the user great freedom of movement when working.

It comes in black color and with 2 press studs - one with a  $\varnothing 10$  mm (female) connector and the other with  $\varnothing 3$  mm (female) connector.

The electrical resistance is  $1\text{M}\Omega$  at each connector.

Connect the  $\varnothing 3$  mm press stud to the ESD earthing wristband and the  $\varnothing 10$  mm press stud directly to the grounded common point.



## TM21

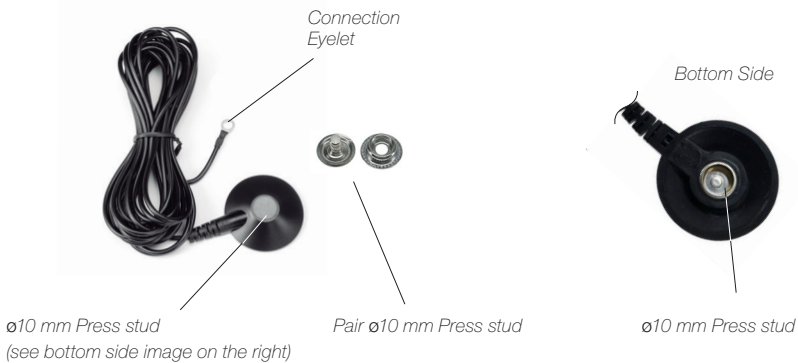
### ESD Earthing Cable

The ESD earthing cable has a length of 4 m / 157.48 in and is suitable for ESD table mats and floor coverings.

It comes in black color and is equipped with a protective cap, a  $\varnothing 10$  mm press stud (female) and a connection eyelet.

Additionally, a pair of  $\varnothing 10$  mm press stud (male) is included.

Connect the  $\varnothing 10$  mm press stud to the table mat connector and the connection eyelet to the earth connection.



**TM50****ESD Earthing Wristband.**

The earthing wristband has a length of 220 mm / 8.66 in and comes with a buckle that allows to adjust the length of the strap and incorporates a  $\varnothing 3$  mm press stud.

The wristband is antiallergic and is made out of silver and carbon. Its fabric comes in red color and can be washed. The earthing wristband is tested according to BGI 818: 2001.

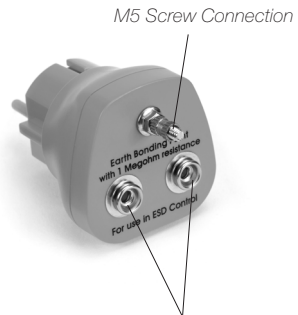
**Accessories****TM10****ESD Earthing Plug**

(For EU socket outlet)

This ESD earthing plug can be used at ESD protection zones.

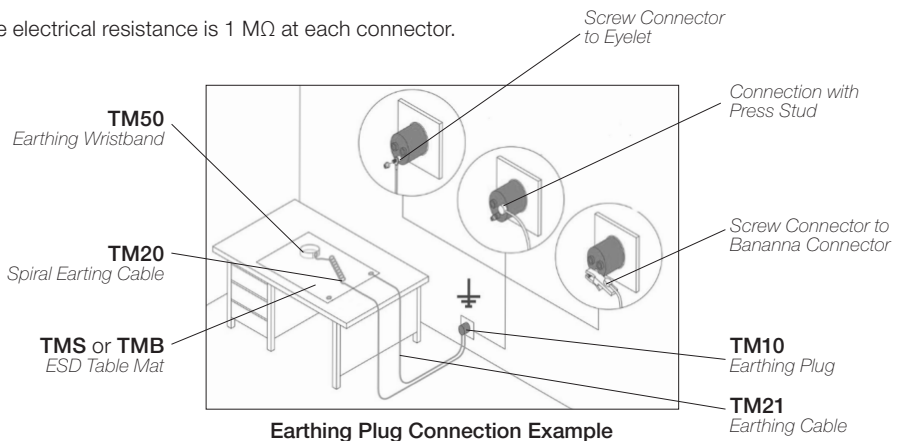
When connected accordingly, it discharges static electricity from people or objects to prevent damage by electrostatic discharges to electronic devices and components.

The plug comes in yellow color and is equipped with two  $\varnothing 10$  mm press studs (female) as well as a M5 screw connection.



$\varnothing 10$  mm Press Stud

The electrical resistance is 1 M $\Omega$  at each connector.





## Specifications

### TMSK / TMBK

#### ESD Table Mat Set

Ref.: **TMS-KA** (450x600mm / 17.72 x 23.62 in)

Ref.: **TMB-KA** (900x600mm / 35.43 x 23.62 in)

#### Table Mat

- Electrical resistance:  $10^6 - 10^8 \Omega$
- Resistant to: Abrasion, heat, solder, chemicals and oil
- Connections:  $\varnothing 10$  mm press stud (2x)
- Material: Permanently elastic  
100% PVC-FREE and PHTHALATE-FREE  
Two-layered: dissipative and conductive  
RoHS compliant
- Surfaces: Top side: grey color, anti-reflective  
Bottom side: black color, non-slipping
- ESD certification according to: IEC 61340-5-1:2016, typical surface resistance Rpp (Point to Point) between 10E06-10E07 Ohm.
- Glow wire testing according to: IEC 60335-1:2010 (750°C for a duration of 30s.)
- Needle flame testing according to: IEC 60695-11-5 (Top and bottom side no flaming, no glowing for a duration of 30s)

#### Wristband

- Tested according to: BGI 818: 2001
- Connection:  $\varnothing 3$  mm press stud
- Length: 220 mm / 8.66 in
- Strap: Color: red, easily adjustable
- Strap Material: Washable, silver and carbon processed, antiallergic

#### Earthing Cable

- Length: 4.5 m / 177.17 in
- Color: Black
- Electrical resistance:  $10^6 \Omega$
- Connections:  $\varnothing 10$  mm press stud (1x) and connection eyelet (1x)

#### Spiral Earthing Cable

- Tested according to: BGI 818: 2001
- Connections:  $\varnothing 10$  mm press stud (1x) and  $\varnothing 3$  mm press stud (1x)
- Length: 2.5 m / 98.43 in
- Color: Black
- Electrical resistance:  $10^6 \Omega$

# Specifications

## TMSK

- Total Net Weight: 0.917 kg / 2.02 lb
- Package Dimensions/Weight:  
(L x W x H) 620 x 136 x 135 mm / 1.24 kg  
24.41 x 5.35 x 5.31 in / 2.73 lb

## TMBK

- Total Net Weight: 1.709 kg / 3.77 lb
- Package Dimensions/Weight:  
(L x W x H) 620 x 136 x 135 mm / 2.040 kg  
24.41 x 5.35 x 5.31 in / 4.5 lb

Complies with CE standards.  
ESD Safe.

# JBC

## Warranty

JBC's 2 year warranty covers this equipment against all manufacturing defects, including the replacement of defective parts and labour.

Warranty does not cover product wear or misuse.

In order for the warranty to be valid, equipment must be returned, postage paid, to the dealer where it was purchased.



This product should not be thrown in the garbage.

In accordance with the European directive 2012/19/EU, electronic equipment at the end of its life must be collected and returned to an authorized recycling facility.



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