

PERSONAL EQUIPMENT

LABCOATS
& GARMENTS
GLOVES &
OTHER PROTECTION
SHOES & OTHER
EARTHING
CONNECTIONS
OTHER EQUIPMENT

-EUROSTAT-
A MEMBER OF DOU YEE

www.eurostatgroup.com

EUROSTAT

PIONEER IN THE ELECTROSTATIC



Eurostat is a pioneer in protection against electrostatic discharges (ESD). We offer solutions for protection of components sensitive to electrostatic damage, and contamination during production, storing and shipping.

PROTECTION OF DISCHARGES

WHAT ARE ELECTROSTATIC DISCHARGES?

All materials are composed of atoms. Each atom is composed of a positive charge, around which gravitate many negative electrons. At rest, positive nucleus charges are equal to the sum of negative charges of the electrons that gravitate around them. The charge is therefore remains neutral. Static electricity is a phenomenon which happens when two surfaces contact each other and are then separated. It's at this moment that an exchange in electrons between both surfaces can occur. At this moment occurs a movement of electrons that creates charges at the surface of both materials.

This exchange of electrons between conductive materials (and man made materials) can occur suddenly, creating an electrostatic discharge with irreversible damage, especially to electrical components.

In order to avoid those damages, it is necessary to implement the protective measures aiming elimination of all static electricity sources and consequently, prevention of the electrostatic discharges. Nevertheless, if the static discharges appear, Eurostat has developed a whole range of materials and products, providing the protection for electrostatic sensitive devices such as PCBs.

Conductive

Allows a rapid discharge to ground that can have the same effect as an ESD discharge. These materials insure a bond with ground but do not mitigate the energy exchanged during a discharge.

Grounding resistance less than
 $R_g < 1 \times 10^4 \Omega$

Dissipative

Allows a slower discharge from the charge carrier to the ground, reducing the risk of potential damage.

Grounding resistance is between $10^4 <$
 $R_g < 1 \times 10^{11} \Omega$

Insulative

Offer no grounding of electrostatic charges.

Offer no grounding of electrostatic charges $R_g > 1 \times 10^{11} \Omega$

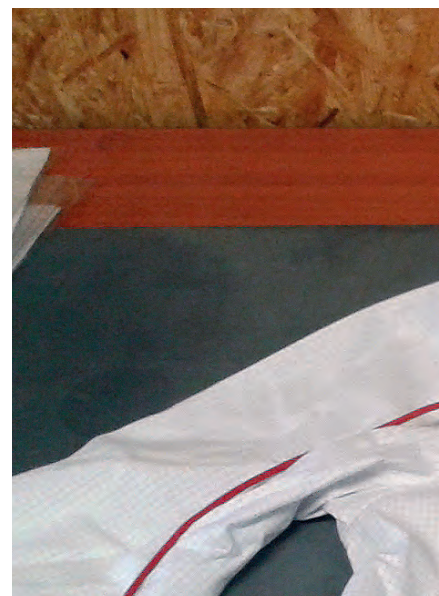


PERSONAL EQUIPMENT

As a member of the Dou Yee Group, Asian and World leader in ESD solutions, we offer a high quality wide and complete range of equipment. Equipment that guarantees traceability and conformity to industry standards EN-100015, IEC61340-5-1. With quality approvals for over 13 years, Eurostat are accredited to ISO 9001 - 2015.

Our internal characterization laboratory, allows us to ensure all of our products offer conformity to the highest standard.

We provide equipment dedicated to prevent the possibility of risk to product and personnel, protecting against electrostatic discharge and particle contamination.



GLOSSARY

ABS: Acrylonitrile-Butadiene-Styrene

APET: Amorphous Polyethylene Terephthalate

Carbon Nanotubes: Two dimensional layers of carbon atoms, providing conductivity or dissipation to PS matrix, depending on concentration in the material

CPM: Charge Plate Monitor measures voltages applied to it's sensing plate

Directive RoHS: European Directive: Limiting the use of certain dangerous substances in association with electrical and electronic components

EMI: Electromagnetic interference

EPA: Electrostatic Protected Area (An area of complete ESD protection)

ESD: Electro-static Discharge

European Standard IEC 61340-5-1: Protection of electro static sensitive devices

LDPE, HDPE: Low density PolyEthylene, High density PolyEthylene

PC: Polycarbonate

PCB: printed circuit board

PE: PolyEthylene

PP: PolyPropylene

PS: PolyStyrene

PU: Polyurethane

Rg: volume resistance: Resistance test between the surfaces of a material tested

Rpp: surface resistance: A measurement taken from the surface area of a material

Shielding: Material offering a Faraday cage

SMD: Surface Mount Devices

Standards EIA-583 / EIA-541 /EIA-625: Standards related to the packaging of humidity sensitive parts

TPU: Thermoplastic Polyurethanes

VCI: Vapor Corrosion Inhibitor



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01

LABCOATS AND GARMENTS

+

Eurostat offers a complete range of clothing for staff inside and outside an ESD protected area: Labcoats, T-shirts, trousers, polos, fleece, coveralls, etc...

1. LABCOATS

1.1. EUROSTAT Labcoats 4 x 4 mm grid



51-100-01xx

51-100-03xx

51-100-20xx

51-100-25xx

51-100-26xx



- Its 33% cotton fabric provides high comfort and durability
- Dissipative surface
- Button poppers are covered by fabric to avoid metal snaps being exposed
- Snap buttons on the sleeves
- Other colours on request
- Company logo on request
- Customized printing available: embroidery, silkscreen and hot stamped printing

Protective labcoats with a thin conductive grids will prevent an operator holding a charge, dissipating electrostatic charges to ground. Ideal for ESD safe environments with dissipating surfaces.

Conforms to
IEC 61340-5-1

Technical Data

- Fabric: 33 % cotton / 63 % polyester / 4 % carbon
- Conductive grid: 4 x 4 mm
- Durability: 50 washes at 30°C
- Density: 156gr/m²
- Surface resistance Rpp: < 10⁸ Ω
- Colours available: White, light blue, blue,

Size	Length in cm	Part number White	Part number Light Blue	Part number Blue
XS	85	51-100-2010	51-100-2510	51-100-2610
S	90	51-100-2015	51-100-2515	51-100-2615
M	95	51-100-2020	51-100-2520	51-100-2620
L	100	51-100-2025	51-100-2525	51-100-2625
XL	105	51-100-2030	51-100-2530	51-100-2630
XXL	110	51-100-2035	51-100-2535	51-100-2635
3XL	115	51-100-2040	51-100-2540	51-100-2640
4XL	120	51-100-2045	51-100-2545	51-100-2645

1.2. Labcoats 5 x 5 mm grid



Labcoats suitable for less sensitive environments. Light fabric. High durability. Snaps on sleeves

Technical Data

- Conductive grid: 5 x 5 mm
- Durability: 75 washes at 40°C
- Density: 122gr/m²
- Surface resistance Rpp: < 10⁹ Ω
- Surface resistance Rpp: < 10⁸ Ω
- Fabric : 24 % cotton / 74 % polyester / 2 % carbon

Conforms to IEC 61340-5-1

- Company logo on request
- Customised printing available: embroidery, silkscreen and hot stamp
- White and blue model

	Short Version		Standard Version	
Size	Length in cm	Part number	Length in cm	Part number
XS	77	51-720-5001	97	51-720-0010
S	78	51-720-5002	98	51-720-0015
M	79	51-720-5003	99	51-720-0020
L	82	51-720-5004	102	51-720-0025
XL	83	51-720-5005	103	51-720-0030
XXL	84	51-720-5006	104	51-720-0035
3XL	85	51-720-5007	105	51-720-0040
4XL	86	51-720-5008	106	51-720-0045

1.3. Disposable Garments



Low tribocharging labcoats for ESD protected areas. Ensure protection against dust and particle contamination.

Technical Data

- Fabric: SMS (Spunbonded Meltblown Spunbonded)
- Density: 60 g/m²
- Surface resistance Rpp : <10¹² Ω
- Colour: White
- ESD properties

Disposable low tribocharging labcoats

Size	Part number
S	51-830-0110
M	51-830-0115
L	51-830-0120
XL	51-830-0125

All labcoats come complete with 4 plastic studs, collar and pockets..

2. ESD SAFE COVERALLS

Comfortable and durable.
Laundered and packaged for critical environments. Hood and boots can also be attached.



Other colours available on request

Technical Data

- Fabric : polyester
- Surface resistance Rpp : $10^6 - 10^9\Omega$
- Durability : 80 washes at 60°C
- Cleanliness category: ISO 5
- Cleanroom compatible

Conforms to IEC 61340-5-1

Durability :
80 washes at 60°C



51-400-02xx



51-400-03xx

Size	Colour	Part number
S	White	51-400-0201
M	White	51-400-0202
L	White	51-400-0203
XL	White	51-400-0204
XXL	White	51-400-0205
XXXL	White	51-400-0206

Size	Colour	Part number
S	Blue	51-400-0301
M	Blue	51-400-0302
L	Blue	51-400-0303
XL	Blue	51-400-0304
XXL	Blue	51-400-0305
XXXL	Blue	51-400-0306

3. POLOS AND T-SHIRTS

3.1. Short sleeve polo shirts



Technical Data

Fabric: 48 % cotton / 48 % polyester / 4 % carbon

Customized logo's available

- Embroidery
- Silkscreen
- Flex

Comfortable and light weight garment available in different colours, with the possibilities of customized marking (silkscreen, embroidery, flex).

Conforms to
IEC 61340-5-1

Size	Part number Grey	Part number Dark blue
XS	51-730-5005	51-730-1005
S	51-730-5010	51-730-1010
M	51-730-5015	51-730-1015
L	51-730-5020	51-730-1020
XL	51-730-5025	51-730-1025
XXL	51-730-5030	51-730-1030
3XL	51-730-5035	51-730-1035
4XL	51-730-5040	51-730-1040

Size	Part number Grey	Part number Dark blue
XS	51-730-5005	51-730-1005
S	51-730-5010	51-730-1010
M	51-730-5015	51-730-1015
L	51-730-5020	51-730-1020
XL	51-730-5025	51-730-1025
XXL	51-730-5030	51-730-1030
3XL	51-730-5035	51-730-1035
4XL	51-730-5040	51-730-1040

Durability:
45 washes
at 40°C
(without
chlorine)



Other colours on request

3.2. Long sleeve polo shirts



Technical Data

Fabric: 48 % cotton / 48 % polyester / 4 % carbon

Customized logo's available

- Embroidery
- Silkscreen
- Flex

Comfortable and light weight garment available in different colours, with the possibilities of customized marking (silkscreen, embroidery, flex).

Conforms to
IEC 61340-5-1

Size	Part number Grey	Part number Dark Blue
XS	51-735-5005	51-735-3005
S	51-735-5010	51-735-3010
M	51-735-5015	51-735-3015
L	51-735-5020	51-735-3020
XL	51-735-5025	51-735-3025
XXL	51-735-5030	51-735-3030
3XL	51-735-5035	51-735-3035
4XL	51-735-5040	51-735-3040

Size	Part number Grey	Part number Dark Blue
XS	51-735-5005	51-735-3005
S	51-735-5010	51-735-3010
M	51-735-5015	51-735-3015
L	51-735-5020	51-735-3020
XL	51-735-5025	51-735-3025
XXL	51-735-5030	51-735-3030
3XL	51-735-5035	51-735-3035
4XL	51-735-5040	51-735-3040

Durability:
45 washes
at 40°C
(without
chlorine)



Other colours on request

01. LABCOATS AND GARMENTS

3.3. Crew neck T-shirts



Comfortable and light weight garment with static dissipative surface.

Size	Part number Blue	Part number White	Part number Black
XS	51-731-0005	51-732-0000	51-732-1000
S	51-731-0010	51-732-0005	51-732-1005
M	51-731-0015	51-732-0010	51-732-1010
L	51-731-0020	51-732-0015	51-732-1015
XL	51-731-0025	51-732-0020	51-732-1020
XXL	51-731-0030	51-732-0025	51-732-1025
3XL	51-731-0035	51-732-0030	51-732-1030
4XL	51-731-0040	51-732-0035	51-732-1035

Conforms to
IEC 61340-5-1

Durability:
45 washes
at 40°C



Technical Data

Fabric: 96 % cotton
/ 4 % carbon

Customised logo's available

- Embroidery
- Silkscreen
- Flex



Other colours on request

4. JACKETS

4.1. Sweatshirts



Dissipative jacket with central zipper, two pockets and ESD logo.

Taille	Référence
XS	51-761-0005
S	51-761-0010
M	51-761-0015
L	51-761-0020
XL	51-761-0025
XXL	51-761-0030

Conforms to
IEC 61340-5-1

**Washing
temperature:**
40°C

Technical Data

- 48 % cotton / 48 % polyester / 4 % carbon
- Colour: Blue

Customised logo's available

- Embroidery
- Silkscreen
- Flex

4.2. Fleeces

Dissipative fleece jacket with central zipper, two pockets and ESD logo.



Size	Part number
XS	51-761-0205
S	51-761-0210
M	51-761-0215
L	51-761-0220
XL	51-761-0225
XXL	51-761-0230

Conforms to IEC 61340-5-1

Washing temperature: 30°C

• **Technical Data**

- Fabric: 97% polyester / 3% carbon
- Colour: Light grey

Customised logo's available

- Embroidery



- Fleece available without sleeves
- Available in dark blue version on request

5. MARKINGS

FOR CUSTOMISED LOGO'S

Please send us:

- Your logo artwork
- Dimension and desired location
- Type face of text
- Quantity

Silkscreen printing



- Position anywhere on the garment
- Costs related to the number of colours



Advantageous for medium and large quantities

Printable transparent Flex



- Ideal for complex logo design
- Excellent value compared to stamp printing



Advantageous for small and medium quantities

Flex cutting



- Great quality at a competitive price



Advantageous for small quantities

Embroidery



- Not recommended for large quantities
- Longer lead times on pocket



Excellent durability

6. BADGE HOLDER



Technical Data

- Flexible and transparent plastic
- Complete with metal clip
- Dissipative surface.
- External dimensions: 75 x 100 mm
- Internal dimensions: 56 x 92 mm

Part number : 41-093-0061

Conforms to :
IEC 61340-5-1



02

GLOVES AND OTHER PROTECTION



In order to avoid Particle contamination and generation of electrostatic discharges Eurostat offer gloves finger cots and Bouffan caps for EPA zone staff.



1. GLOVES

1.1. Light dissipative gloves



We offer polyurethane coated fingers or palms, to increase protection and grip

Thin gloves to preserve sensitivity. Made of textured nylon with other additives to provide ESD protection with elasticated wrist.

Conforms to
IEC 61340-5-1

Technical Data

- $R_{pp} < 1 \times 10^9 \Omega$



51-690-01xx



51-690-02xx



51-690-03xx

Versions	Size	Part number White	Part number Grey	Length
NO COATING	S	51-690-0100	51-690-1100	200 mm +/-20mm
	M	51-690-0105	51-690-1105	210 mm +/-20mm
	L	51-690-0110	51-690-1110	220 mm +/-20mm
	XL	51-690-0115	51-690-1115	230 mm +/-20mm
	XXL	51-690-0120	51-690-1120	240 mm +/-20mm
FINGER TIPS PU COATED	S	51-690-0200	51-690-1200	190 mm +/-20mm
	M	51-690-0205	51-690-1205	200 mm +/-20mm
	L	51-690-0210	51-690-1210	210 mm +/-20mm
	XL	51-690-0215	51-690-1215	220 mm +/-20mm
	XXL	51-690-0220	51-690-1220	230 mm +/-20mm
PALM PU COATED	S	51-690-0300	51-690-1300	220 mm +/-20mm
	M	51-690-0305	51-690-1305	230 mm +/-20mm
	L	51-690-0310	51-690-1310	240 mm +/-20mm
	XL	51-690-0315	51-690-1315	250 mm +/-20mm
	XXL	51-690-0320	51-690-1320	260 mm +/-20mm

1.2. Lint-free gloves



51-690-05xx



51-690-06xx



51-695-00xx



- Thin gloves in polyester non-woven fabric with carbon fiber to preserve sensitivity
- Cleanroom compatible

Conforms to IEC 61340-5-1

Technical Data

- Fabric: 100 % polyester
- Surface resistance: $R_{pp} < 10^9 \Omega$

Versions	Size	Part number	Length
NO COATING	S	51-690-0500	210 mm +/-5mm
	M	51-690-0505	220 mm +/-5mm
	L	51-690-0510	228 mm +/-5mm
	XL	51-690-0515	235 mm +/-5mm
PALM PU COATED	S	51-690-0600	210 mm +/-5mm
	M	51-690-0605	220 mm +/-5mm
	L	51-690-0610	228 mm +/-5mm
	XL	51-690-0615	235 mm +/-5mm
PVC DOTS ON PALM	S	51-695-0011	210 mm +/-5mm
	M	51-695-0012	220 mm +/-5mm
	L	51-695-0013	230 mm +/-5mm
	XL	51-695-0014	240 mm +/-5mm

1.3. Cotton gloves



Cotton, provides a naturally dissipative glove and remains an economic and hypoallergenic solution.

Conforms to IEC 61340-5-1

Technical Data

- Fabric: Cotton / Polyester
- Dissipative characteristics
- $R_{pp} < 1 \times 10^9 \Omega$

Size	Length	Part number
S	9" (230 mm)	51-675-6061
M	9" (230 mm)	51-675-6062
L	9" (230 mm)	51-675-6063

1.4. Anti-cut gloves



Grey Dyneema fiber with Polyurethane palm coating.

Conforms to IEC 61340-5-1

Technical Data

- Fabric: Grey Dyneema fibre (13 gauges), palm PU coated
- Cut Resistivity Degree: 5 (according to EN 388) (level 3 available on request)
- Surface resistance Rpp: $1 \times 10^7 - 1 \times 10^9 \Omega$

Size	Length	Wrist Colour	Part number
S	178 mm +/-2mm	Pink	51-695-1005
M	203 mm +/-2mm	Green	51-695-1010
L	229 mm +/-2mm	Grey	51-695-1015
XL	254 mm +/-2mm	Yellow	51-695-1020
XXL	279 mm +/-2mm	Brown	51-695-1025

1.5. High temperature gloves

Eurostat offers dissipative high temperature resistant on request: 150°C, 200°C, 300°C.

2. DISPOSABLE GLOVES

2.1. Disposable vinyl gloves



Tear resistant and hypoallergenic.

Protect against contamination.

Contamination protection for semiconductor, electronics, aerospace, pharmaceutical, optics and biotech industries.

Conforms to IEC 61340-5-1

Technical Data

- Surface resistance Rpp: $< 1 \times 10^{11} \Omega$
- Cleanroom compatible
- ESD properties
- Surface resistance Rpp: $1 \times 10^7 - 1 \times 10^9 \Omega$

Size	Length	Part number
S	9" (23 cm)	51-675-0030
M	9" (23 cm)	51-675-0031
L	9" (23 cm)	51-675-0032
S	12" (30 cm)	51-675-0040
M	12" (30 cm)	51-675-0041
L	12" (30 cm)	51-675-0042

2.2. Disposable nitrile gloves



Technical Data

- Surface resistance Rpp: $< 1 \times 10^{11} \Omega$
- Cleanroom compatible.
- ESD properties

Comfort and hypoallergenic. Contamination protection for semiconductor, electronics, aerospace, pharmaceutical, optics and biotech industries.

Conforms to IEC 61340-5-1

Size	Length	Part number
S	9" (23 cm)	51-690-0701
M	9" (23 cm)	51-690-0702
L	9" (23 cm)	51-690-0703
S	12" (30 cm)	51-690-0704
M	12" (30 cm)	51-690-0705
L	12" (30 cm)	51-690-0706

3. FINGER COTS

3.1. Conductive finger cots



Size	Part number
S	51-675-0095
M	51-675-0100
L	51-675-0101

Ultra-low level of extractable / residual ions. Powder-free design with special packaging to prevent particle contamination and ensure cleanroom compatibility. Carbon black compound used in the manufacturing process will not leave a residue, migrate or contaminate.

Conforms to IEC 61340-5-1

Technical Data

- Material: 100 % pure latex
- Surface resistance Rpp: $1 \times 10^4 \Omega - 1 \times 10^{11} \Omega$
- Cleanliness category: ISO 6
- ESD properties
- Cleanroom compatible
- Colour: black

3.2. Rolled finger cots



Size	Part number
S	51-675-0096
M	51-675-0097
L	51-675-0098

Washed under a controlled process to remove particles and reactive ions (Na+, K+, Ca²⁺ etc...) Ultra-low powder cot surface minimises particle contamination Ultra-low levels of extractable and residual ions prevent product failure Packed in a clean environment.

Conforms to IEC 61340-5-1

Technical Data

- Material: 100 % pure latex
- Surface resistance Rpp: $1 \times 10^4 \Omega$ to $1 \times 10^{11} \Omega$ suitable for handling of class II, category B (100V) E.S.D
- Colour: Pink
- Cleanliness category: ISO 6
- Cleanroom compatible
- ESD properties

4. BOUFFANT CAPS



Technical Datas

- Colour: White
- Size: 53 cm
- ESD properties



Lightweight solution to protect workers in dirty, non-toxic and non-hazardous environments, avoids hair loss contamination in clean environments..

Description	Material	Part number
Bouffant Caps	SMS 20g. 21" (Spunbonded Meltblown Spunbonded)	52-100-0001



03

SHOES & OTHER EARTHING CONNECTIONS



To avoid electrostatic discharges on components, operators must be grounded. Eurostat provides ESD safe shoes (safety or non-safety), toe caps, overshoes, heel grounders and a whole range of grounding components.



1. ESD SAFE & SECURITY

-EUROSTAT
1 NUMBER OF PUNCH YES



Size	Caracteristics	Part number
37 to 47	<ul style="list-style-type: none"> • Black leather • Steel toe cap • Resistant to oil and most chemicals • Anti-fatigue • PU insole and outsole 	50-501-02xx

-EUROSTAT
1 NUMBER OF PUNCH YES



Size	Caratteristiche	Part number
36 to 48	<ul style="list-style-type: none"> • Black/grey Nubuck leather • Composite cap toe • Energy absorbency and slip resistant • PU insole and outsole 	50-520-02xx

-EUROSTAT
1 NUMBER OF PUNCH YES



Size	Caratteristiche	Part number
36 to 47	<ul style="list-style-type: none"> • PU Microfiber dark blue or white • Composite cap toe • Light weight • PU insole and outsole • Non-marking outsole and slip resistant • Resistant to oil and most chemicals 	Dark blue 50-520-06xx
		White 50-520-07xx

-EUROSTAT
1 NUMBER OF PUNCH YES



Size	Caratteristiche	Part number
36 to 47	<ul style="list-style-type: none"> • Black leather • Steel toe cap • PU Midsole • Grey PU outsole • Non-marking outsole and slip resistant • Water resistant • Resistant to oil and most chemicals 	50-520-10xx

-EUROSTAT
1 NUMBER OF PUNCH YES



Size	Caratteristiche	Part number
37 to 47	<ul style="list-style-type: none"> • Leather • Composite toe cap, metal free • PU insole and outsole • Non-marking outsole and slip resistant • Water resistant • Resistant to oil and most chemicals 	50-501-11xx



Size	Carateristics	Part number
35 to 47	<ul style="list-style-type: none"> • Microfiber • PU/TPU outsole • Composite toe cap • Resistant to oil and most chemicals water resistant • Energy absorbency and slip resistant • Puncture resistant • Boa® system lacing with adjustment wheel 	50-313-65xx



Size	Carateristics	Part number
39 to 47	<ul style="list-style-type: none"> • Leather and microfiber • Large width • PU outsole • Composite toe cap • Facilitate air flow • Resistant to oil and most chemicals • Slip resistant • Boa® system lacing with adjustment wheel 	50-313-63xx



Size	Carateristics	Part number
35 to 48	<ul style="list-style-type: none"> • Leather and microfiber • PU outsole • Steel toe cap • Puncture resistant • Resistant to oil and most chemicals • Water resistant 	50-300-61xx



Size	Characteristics	Part number
36 to 47	<ul style="list-style-type: none"> • Black leather • Composite cap toe • PU Midsole • Removable insole • Reflective stripes 	50-800-13xx



Size	Carateristics	Part number
36 to 48	<ul style="list-style-type: none"> • Black leather • Steel toe cap • Leather lining 	50-800-09xx

2. ESD SAFE SHOES

FOR AREAS WHERE SAFETY SHOES ARE NOT REQUIRED

2.1. SHOES



Size	Carateristics	Part number
40 to 48	<ul style="list-style-type: none"> • Black leather • PU outsole • Resistant to oil and most chemicals • Energy absorbency 	50-328-61xx



Size	Characteristics	Part number
39 to 47	<ul style="list-style-type: none"> • Black leather • PU outsole • Resistant to oil and most chemicals • Energy absorbency • Water resistant 	50-319-60xx



Size	Characteristics	Part number
39 to 46	<ul style="list-style-type: none"> • Black leather • PU outsole • Leather lining 	50-801-06xx



Size	Characteristics	Part number
36 to 47	<ul style="list-style-type: none"> • Perforated white leather • PU Midsole • Slip resistant rubber sole • Heel strap foldable, adjustable 	50-802-08xx

2.2. ESD Booties



This one-piece sole design allows human body static charges to dissipate via the insole to the floor. Washable, and can be used with garments for specific environments like cleanrooms.

Technical Data

- Material:
Micro Fiber Synthetic PU (top)
Static Dissipative PU (sole)
Static Dissipative Polyester (fabric)
- Resistance to ground Rg: <math>< 10^8 \Omega</math>
- Colour: White

Size	Part number
35	50-530-0035
36	50-530-0036
37	50-530-0037
38	50-530-0038
39	50-530-0039
40	50-530-0040
41	50-530-0041
42	50-530-0042
43	50-530-0043
44	50-530-0044
45	50-530-0045
46	50-530-0046

3. REMOVABLE TOE CAP



Immediate protection against foot damage/injury
Simple to slip on over the shoe with left/right markings
Reusable: multi-users and casual wearing (ideal for visitors).

Technical Data

- High resistance to abrasion and wear
- Fits any kind of shoe
- No direct contact with the foot, washable and durable material
- Weights : 1 pair : 590 gr
- Steel toe cap : 200 J
- Non ESD safe

Reference : 50-900-0004

Kit comprises of:

- 1 size S (35-38)
- 2 pairs size M (39-44)
- 2 pairs size L (45-48)

4. ESD OVERSHOES

4.1. ESD Safe overshoes

a. Overshoes with conductive band



Easy and safe solution for EPA visitors
Not adaptable to the overshoe dispenser 30-551-5000.

Description	Part number
Non-woven blue overshoes MOQ 500 pairs	30-551-0005

Technical Data

- Material: Polypropylene
- Resistance to ground Rg <math>< 1 \times 10^5 \Omega</math>
- Colour: Blue

03. SHOES & OTHER EARTHING CONNECTIONS

b. Dissipative overshoes



Ideal ESD safe solution to protect workers in dirty, non-toxic and non-hazardous environments. Comfortable, strong, durable, preventing and stopping dust and dirt particles.

Density	Dimensions	Part number
50 g	17 x 41 cm	52-100-0014

Technical Data

- Material : Polypropylene SMS (Spunbonded Meltblown Spunbonded)
- Colour : white
- Resistance to ground $R_g < 1 \times 10^9 \Omega$

4.2. Automatic Overshoe dispenser



Especially developed for visitors of ESD protected areas and cleanrooms.

Description	Part number
Automatic overshoe dispenser (without overshoes)	30-551-5000
Conductive overshoes for automatic dispenser MOQ 1000 pairs	30-551-5001

Technical Data

- Overshoe easily applied in seconds
- Contains 40 to 50 pairs
- Overshoes resistance to ground $R_g < 1 \times 10^5 \Omega$

5. SHOES STRAP GROUNDING

5.1. For flat shoes



Technical Data

- Contact ribbon inserted in shoe or sock
- To be worn on both feet
- Safety resistance $R_g: 1M \Omega$

Conforms to
IEC 61340-5-1

Characteristics	Part number
Blue red heel strap with velcro, designed for men	30-560-0040



Technical Data

- Slip resistant
- Easy fastening black plastic buckle
- Contact ribbon inserted in shoe or sock
- To be worn on both feet
- Safety resistance Rg: 1,5 M Ω

Contact ribbon length in cm	Part number
57	30-560-0044
90	30-560-0043

5.2. For shoes with heel

Conforms to IEC 61340-5-1



Technical Data

- Contact ribbon inserted in shoe
- To be worn on both feet
- Safety resistance: Rg: 1M Ω

Description	Part number
Blue red toe grounder with a black plastic buckle, designed for women	30-560-0041



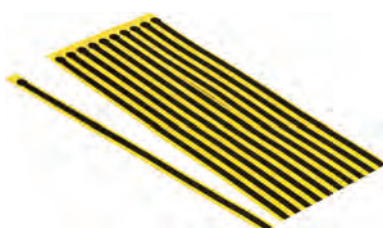
Technical Data

- Conductive non-slip outer sole provides reliable contact to ground for high heel shoes
- Contact ribbon inserted in shoe
- To be worn on both feet
- Safety resistance Rg: 1,5 M Ω

Description	Part number
Strap for shoes with heels	30-560-0053

5.3. Disposable shoe straps

Conforms to IEC 61340-5-1



Technical data

- Reliable static charge dissipation to ground
- To be worn on both feet
- Resistant to ground Rg: 1 x 10⁶ Ω

Length in cm	Part number
30	30-560-0045
60	30-560-0046

5.4. Dispenser for disposable shoe straps



Technical Data

- Dispenses approximately 100 pairs of 30-560-0045
- Can be easily wall-mounted
- Material: Yellow dissipative PS

Description

Part number

Dispenser for disposable shoe straps

30-560-0047

6. GROUNDING ACCESSORIES



Fabric wrist strap



Metal wrist strap



Plastic wrist strap



Dual cord wrist strap



6.1. Fabric wrist strap



- Both sides are conductive
- Adjustable to any wrist size

Dark red colour, hypoallergenic material, connect operator to ground avoiding electrostatic discharges to sensitive components.

Connection

Part number

Stud 4 mm	30-560-0004
Stud 7 mm	30-560-0007
Stud 10 mm	30-560-0010

Technical Data

- Non allergenic material
- $R_g < 1 \times 10^5 \Omega$
- Male stud connection
- Washables
- Dark red colour

Conforms to
IEC 61340-5-1

6.2. Metal wrist strap



- Insulative external side and conductive internal side
- Adjustable to any wrist size

Connection	Part number
Stud 4 mm	30-560-4004
Stud 7 mm	30-560-4007
Stud 10 mm	30-560-4010

High reliability of operator connection to the earth.

Technical Data

- Conductive wrist band
- $R_g < 1 \times 10^5 \Omega$
- Superior reliability
- Nickel free
- Male stud connection

Conforms to
IEC 61340

6.3. Plastic wrist strap



- Hygienic and washable
- Insulative external side and conductive internal side

Cleanroom compatible.

Technical Data

- Thermoplastic material
- $R_g < 1 \times 10^5 \Omega$
- Male stud connection
- Colour: blue

Conforms to
IEC 61340-5-1

Connection	Part number
Stud 4 mm	30-560-0104
Stud 7 mm	30-560-0107
Stud 10 mm	30-560-0110

6.4. Dual Cord wrist strap

Designed to be used with work station monitor.

Conforms to
IEC 61340-5-1

a. Polyester Fabric



- Both sizes are conductive
- Adjustable to any wrist size

Part number : 30-560-3004

Technical Data

- Non allergenic material
- $R_g < 1 \times 10^5 \Omega$
- Male stud connection
- Washables
- Colour: Blue, brown, polyester

b. Metal



- Insulative external side and conductive internal side
- Conductive wrist band

Technical Data

- Nickel Free
- $R_g < 1 \times 10^5 \Omega$
- Male stud connection

Size S : 30-560-3010

Size L : 30-560-3011

03. SHOES & OTHER EARTHING CONNECTIONS

6.5. Cords

Coil Cords

- Resistance: 1 MΩ
- Female Stud Connection
- Colour: black



- Other lengths and connections on request
- Connections to fit most grounding systems worldwide

30-560-06XX GSGS



30-560-06XX BIS BANANA



Coil Cords

Connections in mm	Length in m	Part number
4 mm / banana	1,80	30-560-0604
4 mm / banana	3,00	30-560-1004
7 mm / banana	1,80	30-560-0607
7 mm / banana	3,00	30-560-1007
10 mm / banana	1,80	30-560-0610
10 mm / banana	3,00	30-560-1010
Studs 4 mm / 10 mm	1,80	30-560-0641
Studs 7 mm / 7 mm	1,80	30-560-0677
Studs 10 mm / 10 mm	1,80	30-560-0611
Studs 7 mm / 10 mm	1,80	30-560-0671
4 mm / GSGS	1,80	30-560-0614
4 mm / GSGS	3,00	30-560-1014
4 mm / eyelet	3,60	30-560-1214

Dual conductor coiled cords

- Designed to be used with workstation monitor
- Resistance: 1 MΩ
- Length: 1,80 m

Reference : 30-560-0600



Straight grounding cord

- Connection to the mat: 10 mm female stud (coil cord)
- Ground connection: Plug (Euro)
- Length: 1,50 m

Reference : 30-552-5005



7. HAND LOTION

Keeps skin moist for better contact between the wrist band and skin.



Technical Data

- Is absorbed immediately
- Does not interfere with grip or dexterity

Bottle characteristics

Capacity

Part number

Bottle characteristics	Capacity	Part number
Non ESD	230 ml	41-097-0005
ESD	450 ml	41-097-0010
Non ESD	900 ml	41-097-0015
Non ESD	3,75 L	41-097-0020
ESD	230 ml	41-097-6000



04

OTHER EQUIPMENT



Eurostat offers accessories for service engineers and maintenance technicians.



1. HIGH VISIBILITY WAISTCOAT



Properties

- Colour: fluorescent yellow (also available in orange)
- Material: 98% polyester, 2% conductive fibres
- ESD properties

Conforms to
IEC 61340

Size

Part number

Size	Part number
S	51-910-7004
M	51-910-7000
L	51-910-7001
XL	51-910-7002
XXL	51-910-7003



- Reflective: 50 mm reflective bands
- Fastening: Plastic studs on the front
- Customized logo's on request

2. FIELD SERVICE KIT



Reference : 31-560-0502

Intended for service engineers working on site.

Kit includes

- High quality static dissipative work surface 54 x 61 cm
- Adjustable fabric 10mm stud wrist band
- Grounding connection for wrist strap/mat

Technical Data

- Size: 540 x 610 mm
- Thickness: 0,8 mm
- Surface resistance: $< 1 \times 10^9 \Omega$
- Resistance to ground: $< 1 \times 10^9 \Omega$
- Length : 1,80 m
- Colour: red



- Provides effective static protection in a compact package that fits easily into most tool cases
- Two pockets sewn onto the work surface for cords storage

The background of the entire page is a blue-tinted photograph of three individuals wearing electrostatic discharge (ESD) hoods. They are positioned in a laboratory or cleanroom environment, with their bodies and hoods partially obscured by a grid of white lines. The lighting is dramatic, highlighting the contours of the hoods and the grid.

05

TRAINING AUDIT & SERVICE



Eurostat, ESD Expert and voting member of the IEC/TC101 “electrostatics”, offers on site audits and product characterisation.

1. TRAINING YOUR EMPLOYEES



As ESD sensitivity of products increases the production operators and production coordinators need to adapt to a very demanding technical environment. In order to make sure that the operators follow proper procedures, it is advised and required to provide professional ESD training.

Eurostat is a certified training institute (agreement number: 43390015239) and provides training with experts supervised by the French President of TC 101.

The training can be offered in English or in French, 3 training levels are available.

Level 1

Attendees	Goals	Sessions
<ul style="list-style-type: none"> Operators Manufacturing support Management 	<ul style="list-style-type: none"> To understand why and how damages and defects, due to static electricity occur To have a clear view of the wide spectrum of risks, damages and defects in case of no-adherence or drift from the rules and means of prevention 	Approx 3h30 (recommended period)

Level 2

Attendees	Goals	Sessions
<ul style="list-style-type: none"> Engineers Technicians Management with engineering background 	<ul style="list-style-type: none"> To take care that all prevention rules are implemented and respected by all personnel working within or entering an EPA To be aware of the basic methods and tools currently used to make measurements into an EPA 	Approx 4h30 (recommended period)

Niveau 3

Attendees	Goals	Sessions
<ul style="list-style-type: none"> ESD coordinators Supervisors Instructors 	<ul style="list-style-type: none"> To establish a complete Prevention and Control Plan preventing from static electricity To propose progress axis and fitted preventive or corrective actions To prepare in-house audits thanks to punctual help of third-part ESD experts 	Approx. 3h00 (recommended period)



Our training programs, which are continuously improved and updated, can be adapted to companies individual needs and tailored to suit your company and the ESD experience of your employees.

After each training session, a personalised certificate is presented to each attendee.

2. AUDIT

REPORTS

ESD Expert and voting member of the IEC/TC101 “electrostatics”, Eurostat offers on site audits and product characterisation..

2.1. Site Audit

GOALS

To highlight existing in-situ gaps

with what is recommended through IEC 61340-5-1/2 international standard

To analyse and understand

any electrostatic issues in discussion with your technical representative

The site visit - Approx. 1 day

1 The site visit is a fact-finding visit in which our consultant surveys key parts of the site and the customer’s processes and procedures.

2 It is also an opportunity for you to highlight and discuss any particular areas of concern you may have.

For these reasons it is essential to make your on-site technical representative available to act as a guide and to be a technical support.

Electrostatic related measurements such as electrostatic field potential and resistance measurements are made where it is appropriate to check the status of equipment, processes, floors and other relevant items.

2.2. Characterisation

GOALS

Define the Electrostatic features of your products

with measurements performed in our laboratory to IEC standards.

Progress - delays on request

After estimating the time necessary to achieve your study (depends on the quantities and objectives of your demands), we will do some testing in our characterisation laboratory.



2.3. Report

The report gives some relevant electrostatic information and explanation of key aspects where possible. It typically records: details of our consultant’s findings including the results of any measurements, conclusions and specific recommendations and a list of literature and relevant standards that might be required for reference and further reading material if applicable.



3. TECHNICAL SERVICE AND INSTALLATIONS



Our technical service center ensures installation, maintenance and calibration of equipment, together with repairs during the guarantee period.

Range verification and calibration of electronic equipment can also be carried out.

INSTALLATION

MAINTENANCE

REPAIR

CALIBRATION

VERIFICATION

-EUROSTAT-
A MEMBER OF DOU YEE

45 route d'Orgelet - 39130 PONT-DE-POITTE - FRANCE
Tel. : +33 (0) 3 84 87 02 39 - Fax : +33 (0) 3 84 48 30 00
info.fr@eurostatgroup.com

www.eurostatgroup.com