

ESD Essentials



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All prices correct at time of printing.

ESD ESSENTIALS

STATIC SHIELD BAGS (100/Pack) Open Top ESD

ALL BAGS ARE FULLY
ROHS COMPLIANT

Prices 100/Pack



Part No:	Size Inches	Size mm	Price
G-SSB-23	(2" x 3")	50 x 75mm	£2.52
G-SSB-24	(2" x 4")	50 x 100mm	£3.64
G-SSB-33	(3" x 3")	75 x 75mm	£2.75
G-SSB-35	(3" x 5")	75 x 125mm	£3.15
G-SSB-46	(4" x 6")	100 x 150mm	£3.78
G-SSB-48	(4" x 8")	100 x 200mm	£5.04
G-SSB-424	(4" x 24")	102 x 610mm	£14.85
G-SSB-56	(5" x 6")	127 x 153mm	£5.40
G-SSB-58	(5" x 8")	125 x 200mm	£6.93
G-SSB-510	(5" x 10")	127 x 250mm	£7.11
G-SSB-68	(6" x 8")	150 x 200mm	£7.20
G-SSB-610	(6" x 10")	150 x 250mm	£8.10
G-SSB-612	(6" x 12")	150 x 300mm	£8.28
G-SSB-616	(6" x 16")	150 x 400mm	£10.71
G-SSB-626	(6" x 26")	150 x 660mm	£17.91
G-SSB-810	(8" x 10")	200 x 250mm	£9.00
G-SSB-812	(8" x 12")	203 x 305mm	£9.18
G-SSB-1012	(10" x 12")	250 x 300mm	£11.79
G-SSB-1014	(10" x 14")	250 x 350mm	£12.60
G-SSB-1216	(12" x 16")	300 x 400mm	£17.10
G-SSB-1218	(12" x 18")	300 x 450mm	£19.80
G-SSB-1418	(14" x 18")	350 x 450mm	£23.40
G-SSB-1618	(16" x 18")	400 x 450mm	£25.20
G-SSB-1824	(18" x 24")	450 x 600mm	£36.00
G-SSB-3040	(30" x 40")	750 x 1000mm	£189.00

These anti static bags provide protection against ESD, and are suitable for packing electronic products which are sensitive to static, eg PCB's, integrated circuits, CD Drives, Hard Drives etc.



ALL PRICES EXCLUDE VAT

ESD ESSENTIALS

STATIC SHIELD BAGS

(100/Pack) Zip Lock ESD



Metallised shielding bags with zip lock strip for easy sealing. Shielding bag construction has embedded inner aluminium film layer acting as an electrical shield against electrical discharges from outside of the bag.



Prices 100/Pack

Custom sizes available on request

Part No:	Size Inches	Size mm	Price
G-SSZB-35	(3" x 5")	75 x 125mm	£4.68
G-SSZB-46	(4" x 6")	100 x 150mm	£6.39
G-SSZB-58	(5" x 8")	125 x 200mm	£8.82
G-SSZB-610	(6" x 10")	150 x 250mm	£11.07
G-SSZB-810	(8" x 10")	200 x 250mm	£13.86
G-SSZB-1012	(10" x 12")	250 x 300mm	£19.80
G-SSZB-1216	(12" x 16")	300 x 400mm	£27.00
G-SSZB-1218	(12" x 18")	300 x 450mm	£29.70
G-SSZB-1618	(16" x 18")	400 x 450mm	£41.00



Other sizes are available,
please call for price and availability

MOISTURE BARRIER BAGS

(100/Pack) Open Top ESD

To protect electronics from moisture and static damage. The bags are opaque and light tight, ensuring the inside item can not be seen from outside. Ideal for packing electronic products which are sensitive to moisture and static, such as PCBs, Integrated circuits etc

Part No:	Size Inches	Size mm	Price
G-SMB2-46	(4" x 6")	100 x 150mm	£6.60
G-SMB2-630	(6" x 30")	150 x 750mm	£40.09
G-SMB2-810	(8" x 10")	200 x 250mm	£22.32
G-SMB2-812	(8" x 12")	200 x 300mm	£22.75
G-SMB2-1012	(10" x 12")	250 x 300mm	£22.80
G-SMB2-1014	(10" x 14")	250 x 350mm	£32.63
G-SMB2-1020	(10" x 20")	250 x 500mm	£44.27
G-SMB2-1024	(10" x 24")	250 x 600mm	£52.82
G-SMB2-1030	(10" x 30")	250 x 750mm	£67.45
G-SMB2-1216	(12" x 16")	300 x 400mm	£41.75
G-SMB2-1218	(12" x 18")	300 x 450mm	£46.79
G-SMB2-1818	(18" x 18")	450 x 450mm	£34.20
G-SMB2-1820	(18" x 20")	450 x 500mm	£74.05

ALL PRICES EXCLUDE VAT

Prices 100/Pack

ESD ESSENTIALS

ELECTROSTATIC DISSIPATIVE PINK BAGS

(100/Pack) Zip Lock ESD

A soft textured and flexible pink anti-static 300 gauge poly bag for packaging non ESD items within an ESD protected area. Blow-moulded with anti-static additives from LDPE and LLDPE.



Part No:	Size Inches	Size mm	Price
G-SPZB-35	(3" x 5")	75 x 125mm	£3.12
G-SPZB-46	(4" x 6")	100 x 150mm	£4.32
G-SPZB-58	(5" x 8")	125 x 200mm	£6.34
G-SPZB-610	(6" x 10")	150 x 250mm	£7.70
G-SPZB-810	(8" x 10")	200 x 250mm	£9.55
G-SPZB-1012	(10" x 12")	250 x 300mm	£14.94
G-SPZB-1216	(12" x 16")	300 x 400mm	£23.46

Prices 100/Pack

ELECTROSTATIC DISSIPATIVE PINK BAGS

(100/Pack) Open Top ESD

A soft textured and flexible pink anti-static 75 microns bag with printed ESD logo. Offers humidity independent ESD protection. Blow-moulded with anti-static additives from LDPE and LLDPE.



Prices 100/Pack

Part No:	Size Inches	Size mm	Price
G-SPB-35	(3" x 5")	75 x 125mm	£1.79
G-SPB-46	(4" x 6")	100 x 150mm	£2.36
G-SPB-58	(5" x 8")	125 x 200mm	£3.04
G-SPB-610	(6" x 10")	150 x 250mm	£3.69
G-SPB-810	(8" x 10")	200 x 250mm	£4.13
G-SPB-1012	(10" x 12")	250 x 300mm	£6.33
G-SPB-1014	(10" x 14")	250 x 350mm	£7.41
G-SPB-1214	(12" x 14")	300 x 350mm	£7.98
G-SPB-1216	(12" x 16")	300 x 400mm	£11.90
G-SPB-1218	(12" x 18")	300 x 450mm	£12.25
G-SPB-1416	(14" x 16")	350 x 400mm	£12.40
G-SPB-1618	(16" x 18")	400 x 450mm	£15.01
G-SPB-1824	(18" x 24")	450 x 600mm	£21.75
G-SPB-2024	(20" X 24")	500 x 600mm	£26.03

ALL PRICES EXCLUDE VAT

ESD ESSENTIALS

SELF SEAL ANTI-STATIC BUBBLE BAGS

A low cost pink anti-static bubble bag, ideal for providing physical protection in transit, and keeping internal packed contents free from damage and electrostatic charge.

30mm Peel & Seal lip.

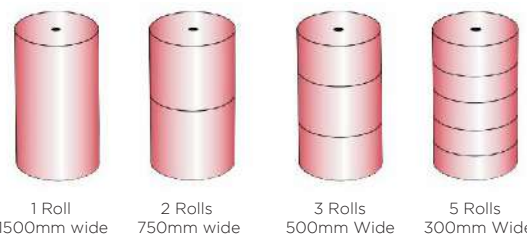


Part No:	Size mm	Box Qty	1-9 Price	10+ Price
102-748-J	100 x 135	750 / BB1AS	£37.23	£35.37
102-749-J	130 x 185	500 / BB2AS	£32.10	£30.50
102-750-J	180 x 235	300 / BB3AS	£31.61	£30.03
102-751-J	230 x 285	300 / BB4AS	£46.14	£43.83
102-752-J	280 x 360	150 / BB5AS	£34.34	£32.62
102-753-J	305 x 435	150 / BB6AS	£46.97	£44.62
102-754-J	380 x 435	100 / BB7AS	£36.23	£34.42



ANTI-STATIC BUBBLE WRAP ESD

Ideal for packaging Electronic devices, as it does not produce static charges in handling and prevents static discharge to contents, making it the ideal choice for items that are sensitive to static electricity.



Available in both small and large cell bubbles

**PLEASE CALL US FOR PRICES
AND DELIVERY OPTIONS**

Part No:	Bubble Size	Length M	Width mm
901-108-J	Small Bubble	100	1 roll x 1500
901-104-J	Small Bubble	100	2 rolls x 750
901-101-J	Small Bubble	100	3 rolls x 500
901-109-J	Small Bubble	100	5 rolls x 300
901-124-J	Large Bubble	50	1 roll x 1500
901-152-J	Large Bubble	50	2 rolls x 750

DELIVERY RESTRICTIONS APPLY

ALL PRICES EXCLUDE VAT

ESD ESSENTIALS

SILICA GEL BAGS



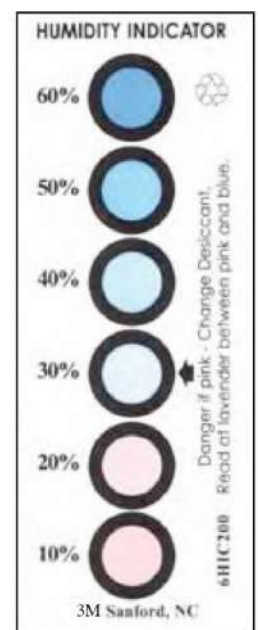
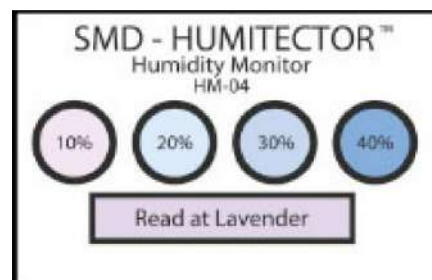
The use of Silica Gel desiccant bags provides an economic way of protecting against moisture damage during transit and storage. These bags are filled with non-indicating beaded silica gel desiccant with capacities ranging from 1g to 50g.

- Desiccant Type: Non-indicating beaded silica gel.
- Nominal absorption capacity (by weight): 25% at 50% RH and 25°C.
- Operating temperature range: -40°C to +70°C.
- Non-Indicating Silica Gel Material Safety Data Sheet Ref: MCS/107/MSDS.

Part No	Weight	Size	Pack	Price
101-002-1	1gm	30 x 50mm	4,000	£106.20
101-002-2	5gm	30 x 80mm	1,500	£123.75
101-002-3	25gm	100 x 95mm	300	£112.50
101-002-4	50gm	85 x 110mm	200	£158.00

4 & 6 SPOT HUMIDITY INDICATOR CARDS

- Used to determine if products have been exposed to moisture above recommended storage levels. Verifies the effectiveness of moisture barrier packaging. Spots change colour from blue to pink when humidity is present providing a quick visual inspection
- Conforms to IPC/JEDEC 033 std and being Cobalt Dichloride Free they meet ROHS, REACH and WEE directive regarding hazardous substances.



Part No	Type	Pack	Price
101-000-1	4 Spot 10% 20% 30% 40% RH125	100	£12.50
101-000-2	6 Spot 10% 20% 30% 40% 50% 60% RH250	200	£23.50

ALL PRICES EXCLUDE VAT

ESD ESSENTIALS

BENCH TOP IONIZERS

- Compact size with auto-ion balance within 5 volts.
- Equipped with out-of-balance alarm indicator.
- Very simple to use and routine maintenance is performed with ease.
- Includes mains power supply lead/transformer.
- 24 Volt Operation



Part No:	Model Type	Size (mm)	Price
101-001-1	Small Bench Top	102 x 120 x 58	£260.00
101-001-2	Large Bench Top	142 x 170 x 80	£310.00

OVERHEAD FAN IONIZERS

For ionization of large workstation. Highly efficient four fan ionizer ensures a static free work area. The fans are independent of each other with individual controls and circuitry. Very easy to clean and maintain due to clip-on fan covers. Auto ion balance $\pm 5V$.

- Light, quiet, high performance overhead ionizers to ensure a static free work area.
- These units have built in auto balance feature with an out-of-balance alarm.
- All ionizers are CE approved.



Part No:	Model Type	Size (mm)	Price
101-001-3	3-Fan Ionizer	1000 x 145 x 65	£825.00
101-001-6	4-Fan Ionizer	1200 x 145 x 65	£975.00

ALL PRICES EXCLUDE VAT

ESD ESSENTIALS

SELF-ADHESIVE PAPER LABELS



- Flexible, highly visible. (WITH ARC)
- Easy mounting, self adhesive backing.

Part No:	Size	Price
104-109	12 x 22mm	£7.99
104-105	25 x 45mm	£7.99
104-107	38 x 75mm	£10.99
104-108	16 x 38mm	£10.99



- Flexible, highly visible. (WITHOUT ARC)
- Easy mounting, self adhesive backing.

Part No:	Size	Price
104-110	12 x 22mm	£8.99
104-113	25 x 45mm	£8.99
104-114	38 x 75mm	£10.99
104-112	16 x 38mm	£10.99



1000
labels/roll

- Flexible, highly visible.
- Easy mounting, self adhesive backing.

Part No:	Size	Price
104-129	5 x 5mm	£8.31
104-130	12 x 12mm	£8.81
104-126 ARC	5 x 5mm	£8.31
104-127 ARC	12 x 12mm	£8.81



- Vinyl Earth Grounding Point Labels
- (1000 per roll) 36mm Dia

Part No:	Size	Price
104-133	36mm Dia.	£12.50

ESD ESSENTIALS

MOUNTED SIGNS WALL/DOOR



- Rigid, highly visible.
- Easy mounting, self adhesive backing.

Part No:	Size	Price
G-LAB60	150 x 300mm	£7.36



- Rigid, highly visible.
- Easy mounting, self adhesive backing.

Part No:	Size	Price
G-LAB73	150 x 300mm	£7.36



- Rigid, highly visible.
- Easy mounting, self adhesive backing.

Part No:	Size	Price
G-LAB57	150 x 300mm	£7.36



- Rigid, highly visible.
- Easy mounting, self adhesive backing.

Part No:	Size	Price
G-LAB59	150 x 300mm	£7.36



- Rigid or Flexible, highly visible.
- Easy mounting, self adhesive backing.

Part No:	Size	Price
G-LAB54 RIGID	150 x 300mm	£7.36
G-LAB55 FLEXIBLE	150 x 300mm	£7.36
G-LAB56 RIGID	300 x 600mm	£14.30



- Rigid or Flexible, highly visible.
- Easy mounting, self adhesive backing.

Part No:	Size	Price
G-LAB51 RIGID	150 x 300mm	£7.36
G-LAB52 FLEXIBLE	150 x 300mm	£7.36
G-LAB53 RIGID	300 x 600mm	£14.30

ESD ESSENTIALS

POLYIMIDE TAPES & DOTS



ESD POLYIMIDE TAPE

(also known as Kapton Tape)

Part No:	Reel Length	Size mm	Price
G-TPT-06-ESD	33 metres	6mm	£3.00
G-TPT-09-ESD	33 metres	9mm	£4.50
G-TPT-12-ESD	33 metres	12mm	£6.00
G-TPT-19-ESD	33 metres	19mm	£9.50
G-TPT-25-ESD	33 metres	25mm	£12.50

Mask for printed circuit boards during wave solder or solder dip process, to protect specific areas of the PCB, particularly where ESD electrostatic discharge is a concern.

NON ESD POLYIMIDE TAPE

(also known as Kapton Tape)

Part No:	Reel Length	Size mm	Price
G-TPT-03	33 metres	3mm	£1.90
G-TPT-04	33 metres	4mm	£2.28
G-TPT-06	33 metres	6mm	£2.50
G-TPT-08	33 metres	8mm	£3.52
G-TPT-09	33 metres	9mm	£3.61
G-TPT-10	33 metres	10mm	£3.90
G-TPT-12	33 metres	12mm	£4.75
G-TPT-13	33 metres	13mm	£5.09
G-TPT-14	33 metres	14mm	£5.49
G-TPT-15	33 metres	15mm	£5.89
G-TPT-16	33 metres	16mm	£6.28
G-TPT-19	33 metres	19mm	£7.50
G-TPT-25	33 metres	25mm	£9.98
G-TPT-30	33 metres	30mm	£11.88
G-TPT-50	33 metres	50mm	£19.48



ESD POLYIMIDE DOTS

Part No:	Dots/Reel	Size mm	Price
G-TPD-08-ESD	2000	8mm	£15.00
G-TPD-10-ESD	2000	10mm	£18.75
G-TPD-12-ESD	2000	12mm	£22.50

High temperature polyimide dots that fully protects PCB pads etc. from molten solder during wave soldering and hot air levelling, particularly where ESD electrostatic discharge is a concern.

NON ESD POLYIMIDE DOTS

Part No:	Dots/Reel	Size mm	Price
G-TPD-02	2000	2mm	£4.60
G-TPD-03	2000	3mm	£6.90
G-TPD-04	2000	4mm	£8.10
G-TPD-06	2000	6mm	£9.00
G-TPD-08	2000	8mm	£10.80
G-TPD-09	2000	9mm	£13.00
G-TPD-10	2000	10mm	£13.50
G-TPD-12	2000	12mm	£15.30
G-TPD-14	2000	14mm	£17.85
G-TPD-15	2000	15mm	£18.90
G-TPD-16	2000	16mm	£20.40
G-TPD-19	2000	19mm	£23.20
G-TPD-20	2000	20mm	£25.50
G-TPD-25	2000	25mm	£28.50

ALL PRICES EXCLUDE VAT

ESD ESSENTIALS

ANTISTATIC CLEAR CELLULOSE TAPE WITH SYMBOLS

This antistatic clear cellulose tape is ideal for sealing container packaging, static shielding bag closure, and holding DIP tubes.

Part No:	Size mm	Price
301-014-12	12mm	£5.10
301-014-18	18mm	£5.65
301-014-24	24mm	£6.49
301-014-48	48mm	£9.40

Reel Length 66 Metres



ESD GRID TAPE

ESD Grid Tape is made from a silicone free, low residue polypropylene with a self adhesive backing and static dissipative surface.

Grid pattern includes the ESD logo to EN 61340-5

Part No:	Size mm	Price
301-003-12	12mm	£2.76
301-003-18	18mm	£4.14
301-003-24	24mm	£5.53
301-003-48	48mm	£11.05

RED LITHO ANTISTATIC TAPE

- Our red antistatic tape is based on a clear cellulose film coated with a transparent rubber resin adhesive.
- Bio-Degradable and therefore requires no special waste handling precautions.
- Reel length 66 Metres

Part No:	Size mm	Price
301-002	12mm	£4.47
301-005	25mm	£7.50



ALL PRICES EXCLUDE VAT

ESD ESSENTIALS

ANTI STATIC FLOOR PAINT - ELECTROGUARD A40 WATER BASED - STATIC DISSIPATIVE ACRYLIC PAINT

Electroguard A40 is a Single Pack Water Based, Static Dissipative Acrylic paint suitable for floors and walls. It is a high specification method of grounding personnel and preventing static build up at an inexpensive price.

User Friendly

Electroguard A40 is a ready to use single pack paint that is extremely easy to apply. A thorough stir of a single tin is all that is necessary before the paint is ready to be used on your floors and walls. The paint can be applied by brush or roller and the equipment may be cleaned after use in warm water.

Attractive

Electroguard A40 has excellent chemical resistance, can be easily cleaned and is highly durable.

The paint has an attractive satin finish and is available in a range of colours:

Two coats are recommended for best results and should be applied over a sound, sealed floor or wall, free from dirt, oil or any loose particles. It is strongly recommended that A40 not be applied over bare surfaces, concrete, wood, tiles, plasterboard etc. Where this occurs a water based primer should be first applied.



Part No:	Colour	List Price/5L
101-060	Light Grey - RAL7035	£156.98
101-061	Blue - RAL5002	£156.98
101-062	Red - RAL3001	£156.98
101-066	Green - RAL6002	£156.98
101-064	Yellow - RAL1023	£156.98
101-069	EM367 Primer (Single Part)	£131.25

CALL US ON 01202 588900 TO DISCUSS YOUR REQUIREMENTS

Minimum Order Quantities: 3 x 5Lts per colour, except Light Grey (RAL 7035) MOQ 1 x 5Lts



Red
RAL 3011



Green
RAL 6002



Blue
RAL 5002



Light Grey
RAL 7035



Yellow
RAL 1023

ALL PRICES EXCLUDE VAT

ESD ESSENTIALS

HEAVY DUTY - ANTI STATIC FLOOR PAINT E30

Water Based - Static Dissipative Polyurethane 2 Part Paint.

Electroguard E30 is a Two-Pack Water Based, Static Dissipative Polyurethane paint. It offers an inexpensive yet high specification means of protecting sensitive areas from the costly effects of static build up and provides a means of grounding personnel.

User Friendly

Electroguard E30 is easily applied and maintained and consists of two components, pre-measured for convenience. It should not be confused with more expensive multi coat systems which require installation by specialist contractors and which fail to meet specification with wear. The paint can be applied by brush or roller and the equipment may be cleaned after use in warm water.

Attractive

Electroguard E30 has excellent chemical resistance, can be easily cleaned and as a Polyurethane Paint it can withstand very heavy traffic wear.

The paint has an attractive satin finish and is available in Light Grey, nearest to RAL 7035



Light Grey
RAL 7035



DURABILITY.

Electroguard E30 is a highly durable paint and is designed to be used in high traffic areas such as factory floors, warehouses, corridors etc. It is designed to withstand wear from people, pallet and fork lift trucks.

Two coats of E30 applied evenly over a sealed floor will offer many years of protection against static build up.

Part No:	Colour	Price/5L	EP131 Two Part Primer Coverage: 10m ² /Litre, 50m ² /tin, 1 coat
GES-E30	Light Grey - RAL7035	£161.08	
GES-EP131	EP131 - Two Part Primer	£127.08	

COPPER FOIL TAPE



A high specification method of grounding personnel and preventing static build up at an inexpensive price.

Features:-

- Good Chemical Resistance
- Good Solvent Resistance
- Highly Conformable
- Removable Liner for Easy Handling

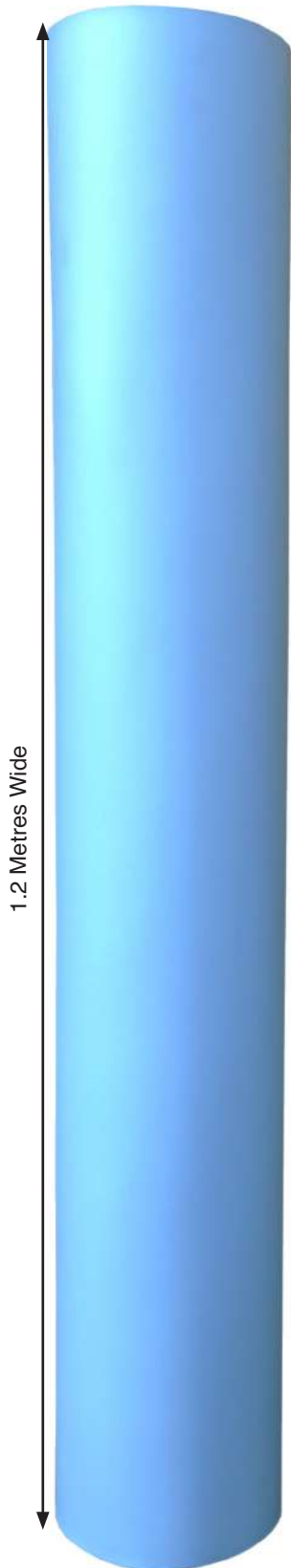
Use **Copper Foil Tape** before applying Antistatic Floor Paint

Part No:	Size mm	Price
301-021-19	19mm X 33m	£26.50

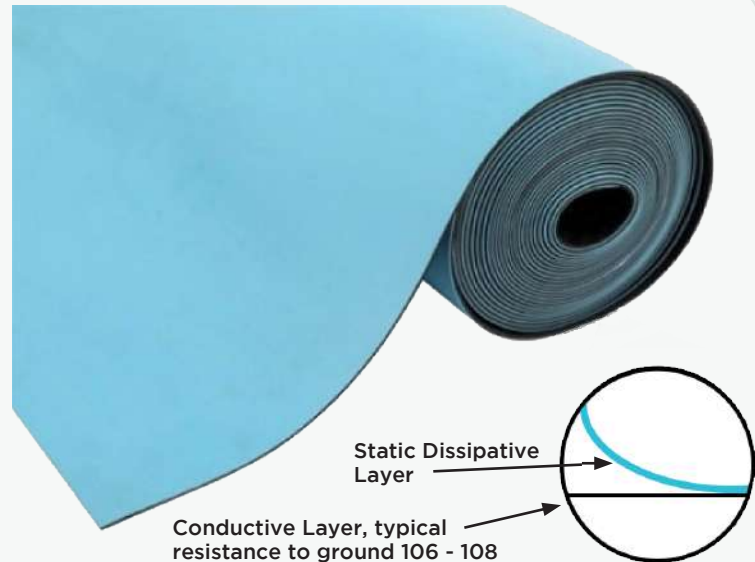
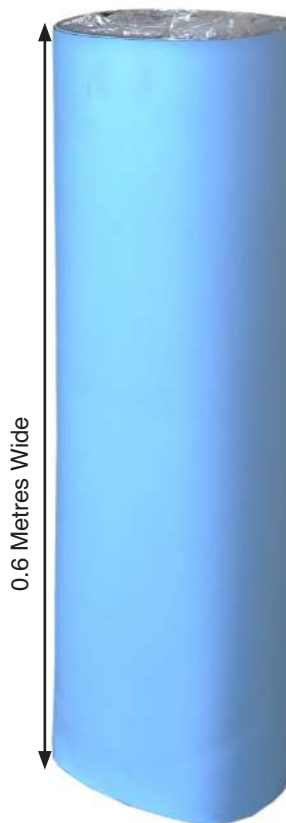
ALL PRICES EXCLUDE VAT

ESD ESSENTIALS

BENCH MATTING ESD 2 LAYER (BLUE STOCKED)



- High quality 2mm thick, ESD bench matting.
- Durable 2-layer synthetic ESD rubber.
- Heat resistant: rubber does not melt or burn coming into contact with hot metal parts or solder debris.
- Resistant to chemical agents normally used for maintenance.
- Suitable for loose laying; does not require application with adhesive.
- User can be easily grounded to the mat with a 10mm press stud and earth point.



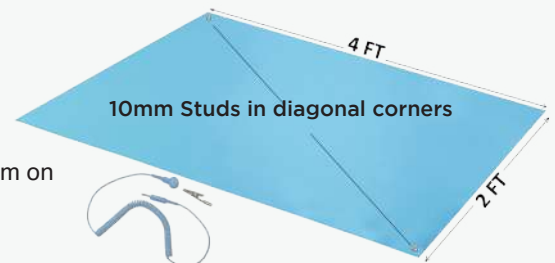
2 Layer Bench Matting Construction

All mats shown are 2 Layer (2mm thick)

OPTIONS

Other cut sizes are available upon request.

Please call our Sales Team on 01202 588900 or email sales@grovesales.co.uk for a quotation.



Mat shown is G-SBM-C1



BLUE



GREEN
SMOOTH



GREEN
TEXTURED



GREY

Part No	Colour	Type	Price
G-SBM-R10	BLUE	1.2M x 10M Roll Textured	£295.00
G-SBM-R12	BLUE	0.6M x 10M Roll Textured	£185.00
G-SBM-C1	L/BLUE	4ft x 2ft Cut Mat Textured	£28.95
G-SBM-C1A	D/BLUE	4ft x 2ft Cut Mat Smooth	£30.25
G-SBM-R2	GREEN	1.2M x 10M Roll Smooth	CALL
G-SBM-R2T	GREEN	1.2M x 10M Roll Textured	CALL
G-SBM-R4	GREY	1.2M x 10M Roll Textured	£295.00
G-SBM-R13	GREY	0.6M x 10M Roll Textured	£185.00

ALL PRICES EXCLUDE VAT

ESD ESSENTIALS

STATIC-DISSIPATIVE ANTI-FATIGUE MAT

Technical Specification

- Material: Virgin Closed Cell PVC Foam (Homogenous)
- Surface Finish: Pebble
- Thickness: 9mm
- Operating Temperature: 0°C to +60°C
- Resistance to Chemicals: PVC is resistant to many different chemicals, alkalis and general industrial chemicals. PVC resists alcohols, aliphatic hydrocarbons, oils, weak acids, strong mineral acids and alkalis. PVC resists oil and grease if properly cleaned. PVC does not resist organic solvents, ketones, esters and aromatic hydrocarbons.
- Installation Method: Loose lay
- Durable floor mat to protect operatives from static build-up.
- Anti-fatigue standing surface for improved comfort.
- Grounded via a 10mm male stud fitted to the mat.
- Maximum performance when used with grounding wire.
- Actual resistance: 1×10^9 to 1×10^{10} Ohm.

Part No:	Colour	Size Metres W x L	Price
G-SBM-A6	GREY	0.6 x 0.9m	£45.00
G-SBM-A7	GREY	0.9 x 1.5m	£98.00
G-SBM-A5	GREY	0.9 x 18.3m	£875.00



ESD APPROVED ANTI-FATIGUE MAT - HEAVY DUTY

- Premium quality NBR/SBR rubber top surface bonded to an EPDM foam backing.
- ESD approved, measured according to IEC 61340-4-5
- Foam backing provides effective fatigue-relief.
- Textured top surface has excellent resistance to slipping.
- Durable and resistant to oil spillage.
- Supplied with ramped edges.

Technical Specification

- Material: SBR/NBR top surface. EPDM foam base
- Surface Finish: Deckplate pattern
- Thickness: 10mm
- Operating Temperature: -10°C to +70°C
- Resistance to Chemicals: Good benzine resistance (also suitable for unleaded fuel): 70 h, 23°C, Fuel B (ISO 1817), 20% volume swell for minor mechanical demands
- Installation Method: Loose lay



Part No:	Width x Length	Price
G-SBM-B14-1	1M x As required	£99.85 per Mtr.
G-SBM-B14	1M x 10M	£907.85
G-SBM-B15-1	1.2M x As required	£178.45 per Mtr
G-SBM-B15	1.2M x 10M	£1,621.95

Customised cut mats are available on request
Max length is 10M



ALL PRICES EXCLUDE VAT

ESD ESSENTIALS

BLACK 2-LAYER SHELVING MATERIAL



General purpose ESD 2 layer black matting, specially developed for use in storage areas.

Also available in different sizes, please call.

Designed to provide excellent protection against harmful static charges.

Thickness 2mm



Part No	Size/Colour	Price
G-SBM-R5	10 x 1.2M BLACK	£375.00

- Vinyl foam material.
- Surface resistance: <10-10 Ohms/Square
- RoHS and REACH compliant.
- Compliant according to IEC-61340-1-5 International Standard.
- Good resistance to acids, mineral oil, alcohol, alkalis, petrol, soap and detergents.



CUSHION MATTING



Thickness 6.0mm

Part No	Size/Colour	Price
G-SBM-C5	38 x 45cm GREY	£49.50

HOLE CUTTER, STUDS, PUNCH & ANVIL



- Studding kit for attaching studs to matting
- Complete Studding Kit Includes: (Punch & Anvil + 100 x 10mm Studs & Hole Cutter) as illustrated.

Part No	Type	Price
101-113-1	Complete Studding Kit	£59.95
101-113	100 Studs, Punch & Anvil	£24.50
101-080	Studs (Pack of 100 x 10mm)	£13.50

Complete Studding Kit

ESD ESSENTIALS

SURFACE RESISTANCE METER

Supplied with test lead, battery and carry pouch.

- Surface resistance meter. (includes carrying pouch)
- The meter measures both surface resistivity and resistance to ground.
- Portable instrument for measuring both surface resistivity and resistance to ground. (Using 10 / 100 volts)
- Very easy to use.
- (Requires 9 volt battery)
- Supplied with test lead, battery and carry pouch.



Part No:	Price
106-103	£127.50

SURFACE RESISTIVITY KIT



- This unique surface resistivity meter is extremely accurate and indicates resistance to 'half a decade' through the important static dissipative range, using 10/100 volt test voltages to ensure more accurate readings.
- Supplied with required test leads and 9V battery.
- The kit also includes, test leads, conductive foam discs and 2 x 2.5KG weights.



Part No:	Price
106-111	£292.50

ALL PRICES EXCLUDE VAT

ESD ESSENTIALS

ESD WRIST STRAP AND FOOTWEAR TEST STATION

This Test Station is a wall mounted unit for checking the continuity of fitted wrist-straps and cords, fitted shoes, heel straps or toe grounders.

Although this unit will test shoes, heel straps and toe grounders, we recommend the DUAL FOOTWEAR & WRIST STRAP STATION, which has a higher (footwear) range of 100 Megohms.



Wall Panel size:
300 x 210mm

All items are CE Approved. Requires 1 x PP3 Battery.

- The tester unit has a single test range 0.75 meg-ohm to 35 meg-ohm.
- The instrument has a green light for pass (i.e. resistance between 0.75 meg-ohm and 35 meg-ohm).
- 2 red lights which indicate either a high resistance fail or low resistance fail.
- A buzzer also sounds in any fail situation.
- Very easy to use. All test instruments are manufactured to the very highest quality allowing qualification to council directives 89/336/EEC.

Part No:	Item	Price
106-106	Complete Kit (Includes 3 Items below)	£112.50
106-100	Wrist Strap Tester	£55.00
106-101	Wall Mounted Panel	£37.12
106-102	Foot Plate	£26.28

ALL PRICES EXCLUDE VAT

ESD ESSENTIALS

DUAL FOOTWEAR & WRIST STRAP ESD TEST STATION

Quickly and easily measures the resistance of wrist straps and, with the footwear plate fitted, heel straps and ESD shoes, to 100 Megohms!

Combination tester gives the user the ability not only to test their wrist strap but also their footwear (both feet) at the same time.



Part No:	Price
106-116	£245.00

- Wrist Strap Test between 750 Kilohms - 35 Megohms
- Footwear Test between 750 Kilohms - 100 Megohms
- Included in the kit is tester, wall plate, dual footplate and connecting leads.
- Conforms to IEC 61340-5-1.
- (CE Approved)
- There are 3 settings, wrist strap only test, footwear only test and also the dual test.

ENERGIZER INDUSTRIAL BATTERIES

ENERGIZER Industrial Batteries, delivering long-lasting power across a range of professional applications



Part No:	Battery Type	Price/Each
BATT-E-001	AAA - Energizer Battery	£0.38
BATT-E-002	AA - Energizer Battery	£0.38
BATT-E-003	C - Energizer Battery	£0.85
BATT-E-004	D - Energizer Battery	£0.98
BATT-E-009	PP3 - Energizer Battery	£1.45

ALL PRICES EXCLUDE VAT

ESD ESSENTIALS

ESD WRIST STRAP

Hypo-Allergenic (Premium)



Part No:	Colour	Price
G-SWS-1H	Blue	£1.90

DISPOSABLE WRIST-STRAP

ESD

Includes self adhesive grounding pad.



Part No:	Length	Price
101-110	1.2M	£1.10

ESD WRIST STRAP

Hypo-Allergenic Adjustable
metal 1 x 10mm stud



Part No:	Colour	Price
101-111-BK	Black	£7.28

ESD WRIST STRAP

Hypo-Allergenic Adjustable
metal 1 x 10mm stud



Part No:	Colour	Price
101-111	Blue	£7.28

ESD GROUNDING CORD

(Earth Lead) BLUE Coiled -
Stud to Banana Plug 10mm (1.8M)



Part No:	Colour	Price
G-SCC-C1	Blue	£2.55

ESD GROUNDING CORD

(Earth Lead) BLUE Coiled -
Stud to Stud 10mm (1.8M)



Part No:	Colour	Price
G-SCC-S1	Blue	£2.55

ESD GROUNDING CORD

(Earth Lead) BLUE Straight -
Stud to Stud 10mm (10", 3M)



Part No:	Length	Price
G-SEL-S11	10 inch	£2.62
G-SEL-S13	3 Metre	£3.02

ESD GROUNDING CORD

(Earth Lead) BLUE Straight -
Stud to Banana Plug 10mm (10", 1M or 3M)



Part No:	Length	Price
G-SEL-C11	10 inch	£2.62
G-SEL-C12	1 Metre	£2.82
G-SEL-C13	3 Metre	£3.02

ALL PRICES EXCLUDE VAT

ESD ESSENTIALS

HEEL GROUNDERS - DISPOSABLE (100/Pack) ESD

- A hardwearing disposable heel grounder designed to ensure long term ESD protection to all personnel



Part No:	Pack Quantity	Price
101-109	100	£14.45

SOLE GROUNDERS ESD

- Velcro Type with D Ring for size



Part No:	Size	Price
G-SS-S	Small	£8.03
G-SS-M	Medium	£8.03
G-SS-L	Large	£8.03
G-SS-XL	Extra Large	£8.03

HEEL GROUNDER WITH VELCRO ESD

Hypo-Allergenic (Premium)

- A hardwearing toe grounder with a Velcro strap designed to ensure long term ESD protection to all personnel



Part No:	Colour	Price
G-SH-4	Red	£3.10

HEEL GROUNDER WITH CLIP ESD

- Special comfort snap also reduces problems caused by standard velcro closures.



Part No:	Colour	Price
G-SH-1	Black	£3.50

TOE GROUNDERS BLACK ESD

- Hard wearing heel straps designed for long term use



Part No:	Colour	Price
G-ST-2	Black	£3.40

ANTI SLIP OVERSHOE ESD

- Clean room Anti Slip ESD Overshoe with Conductive Strip.
- One size fits all



Part No:	Colour	Price/Pack 100
101-075	Blue	£24.50

ESD ESSENTIALS

EARTH BONDING PLUGS

UK outlet
1 x 10mm Stud
1 x 7 mm Stud
1 x Banana Socket



Part No:	Price
101-092-6	£6.61

UK outlet
2 x 10mm Studs
1 x M5 Post



Part No:	Price
101-092-8	£8.50

UK outlet
1 x 10mm Stud



Part No:	Price
101-092-2	£6.33

UK outlet
1 X 10mm Stud
2 X Banana Sockets



Part No:	Price
101-092-7	£6.61

UK outlet
3 x 10mm Studs



Part No:	Price
101-092-3	£6.33

UK outlet
1 x 10mm Stud
NO RESISTOR



Part No:	Price
101-092-1	£4.23

European outlets
3 x 7mm Stud



Part No:	Price
101-092-11	£6.50

European outlets
3 x 10mm Stud



Part No:	Price
101-092-4	£6.50

European outlets
1 x 10mm Stud
1 x 7mm Stud
1 x Banana socket



Part No:	Price
101-092-10	£6.50

ALL PRICES EXCLUDE VAT

ESD ESSENTIALS

EARTH BONDING POINTS

1 x 10mm Stud
2 x Banana Sockets



Part No:	Price
101-090-4	£8.50

3 x 10mm Studs



Part No:	Price
101-090-1	£8.50

3 x Banana Sockets



Part No:	Price
101-090-3	£8.50

PREMIUM EARTH
BONDING POINT -
Aluminium Brackets

3 x 10mm Studs
2 x 4mm Banana Sockets



Part No:	Price
101-090-5	£12.54

PREMIUM EARTH
BONDING POINT -
Aluminium Brackets

2 x 10mm Studs
3 x 4mm Banana Sockets



Part No:	Price
101-090-6	£12.77

EARTH FACILITY BRACKET

Units distinguish between earth facility and earth bonding point - An earth facility (EF) usually distributes via the electrical mains earth or a dedicated ESD earth, (protective earth) within an EPA.



Part No:	Type	Price
101-091-3	M5 Post - No resistor	£5.80
101-091-4	10mm Stud - No resistor	£5.40

EARTHING POINT (10mm stud, NO RESISTOR)

25mm x 35mm allows it to be used where space is limited. Connects to known good earth via solder tag. ESDP has 1 x 10mm stud and no resistor.



Part No:	Price
101-091-2	£3.31

ALL PRICES EXCLUDE VAT

ESD ESSENTIALS



HIGH QUALITY LOW COST CHAIR ESD



Blue Fabric

Glides



Black Vinyl

High Footring



Charcoal Fabric

Castors

- European Standard EN 61340-5-1:2001
- ESD chair specifically designed and manufactured for use in the electronics and electrical industry.
- This range of chairs prevents the build up of static electricity by dissipating it directly to earth.
- Compliant with European Standard classification.
- Suitable for use in static controlled environments.

Part No:	Description	Height (mm)	Price
111-114-BG	Blue Fabric – Glides	430-570	£166.46
111-114-BC	Blue Fabric – Castors	430-570	£187.16
111-114-HBGF	Blue Fabric – High Footring/Glides	550-800	£198.43
111-114-CKG	Charcoal Fabric - Glides	430-570	£166.46
111-114-CKC	Charcoal Fabric - Castors	430-570	£187.16
111-114-HCGF	Charcoal Fabric - High Footring/Glides	550-800	£198.43
111-114-BKG	Black Vinyl - Glides	430-570	£166.46
111-114-BKC	Black Vinyl - Castors	430-570	£187.16
111-114-HBKGF	Black Vinyl - High Footring/Glides	550-800	£198.43

ERGONOMIC ESD ADJUSTABLE FOOTREST

Ideal for use in any workspace, but particularly an ESD protected environment, simple but effective design, lightweight.

- 450 x 350mm top pad size
- Robust steel construction
- Non-slip top pad surface
- Simple height adjustment from 125 to 330mm
- Angle of foot pad adjustable from flat to 25°
- Adjustable feet for uneven surfaces



Part No:	Price
109-117	£195.00

ALL PRICES EXCLUDE VAT

ESD ESSENTIALS



ANTI-STATIC INTERMEDIATE CHAIR

Part No:	Description	Height (mm)	Price
111-115-BG	Blue Fabric – Glides	450-590	£229.99
111-115-BC	Blue Fabric – Castors	450-590	£229.99
111-115-HBGF	Blue Fabric – High/Footing/Glides	500-690	£270.25
111-115-CKG	Charcoal Fabric - Glides	450-590	£229.99
111-115-CKC	Charcoal Fabric - Castors	450-590	£229.99
111-115-HCGF	Charcoal Fabric - High/Footing/Glides	500-690	£270.25
111-115-BKG	Black Vinyl - Glides	450-590	£229.99
111-115-BKC	Black Vinyl - Castors	450-590	£229.99
111-115-HBKGF	Black Vinyl - High/Footing/Glides	500-690	£270.25



ANTI-STATIC ERGONOMIC CHAIR



Part No:	Description	Height (mm)	Price
111-116-BG	Blue Fabric – Glides	450-590	£258.46
111-116-BC	Blue Fabric – Castors	450-590	£258.46
111-116-HBGF	Blue Fabric – High/Footing/Glides	500-690	£294.40
111-116-CKG	Charcoal Fabric - Glides	450-590	£258.46
111-116-CKC	Charcoal Fabric - Castors	450-590	£258.46
111-116-HCGF	Charcoal Fabric - High/Footing/Glides	500-690	£294.40
111-116-BKG	Black Vinyl - Glides	450-590	£258.46
111-116-BKC	Black Vinyl - Castors	450-590	£258.46
111-116-HBKGF	Black Vinyl - High/Footing/Glides	500-690	£294.40



STATIC DISSIPATIVE FULLY ERGONOMIC



Part No:	Description	Height (mm)	Price
111-117-BG	Blue Fabric – Glides	430-570	£288.65
111-117-BC	Blue Fabric – Castors	430-570	£288.65
111-117-HBGF	Blue Fabric – High/Footing/Glides	500-690	£343.85
111-117-CKG	Charcoal Fabric - Glides	430-570	£288.65
111-117-CKC	Charcoal Fabric - Castors	430-570	£288.65
111-117-HCGF	Charcoal Fabric - High/Footing/Glides	500-690	£343.85
111-117-BKG	Black Vinyl - Glides	430-570	£288.65
111-117-BKC	Black Vinyl - Castors	430-570	£288.65
111-117-HBKGF	Black Vinyl - High/Footing/Glides	500-690	£343.85

ALL PRICES EXCLUDE VAT

ESD ESSENTIALS

ALUMINIUM ESD DRINK BOTTLES



Blue bottles available but not stocked,
please call our sales team to order.
****Min. Order Quantity 20****

- These bottles are made from aluminium which provides effective ESD properties that remain over time.
- The bottles are also manufactured with a special inner coating that ensures that the bottle is approved according to food regulations. This means that the water remains fresh longer and that there is no risk of substances migrating from the bottle wall into the water.
- The lid can be sealed tight in order to prevent water spillage onto workbenches.
- The bottle is dishwasher safe and holds 0.6 litres of liquid.



Part No:	Bottle Size/Colour	Price
G-SCB-7	60ml/Black	£15.00
G-SCB-8	60ml/Blue	£15.00

DISPENSING BOTTLES ESD SAFE

- Grove ESD dispensers are designed with the perfect way to dispense alcohol, acetone, isopropanol, methanol, turpenes, thinner and any other liquid applied with a swab, wipe or cotton ball.
- Bottle is made from HDPE mixed with an anti-static compound material with a surface resistance of $10^9 - 10^{10}$ Ohms/sq.
- Mechanical pump is made from Stainless Steel.



Part No:	Bottle Size	Price
G-SBD-12	120ml	£8.00
G-SBD-18	180ml	£9.00

ALL PRICES EXCLUDE VAT



ESD ESSENTIALS

ESD BOTTLES

- Dissipative bottles which can be used in EPA.
- Free of Exthoxylated tertiary amines, BPA (Bisphenol A) Free.
- Good resistance to alchohol, solvents and other chemicals.
- Surface resistance : $\leq 10^{11}$
- Material : Antistatic Polyethylene (Homogeneous type)

Spray Bottle



Wash Bottle

Water Bottle



Part No:	Bottle Type	Size	Colour	Price
G-SCB-2	Wash Bottle	250ml	Yellow	£8.00
G-SCB-1	Wash Bottle	500ml	Blue	£10.00
G-SCB-4	Spray Bottle	250ml	Yellow	£8.00
G-SCB-3	Spray Bottle	500ml	Blue	£10.00
G-SCB-6	Water Bottle	250ml	Yellow	£8.00
G-SCB-5	Water Bottle	500ml	Blue	£10.00

STRAIGHT NOSE ESD BOTTLE WITH NEEDLE 50ML

- Designed for use at grounded ESD work surfaces.
- Simply squeeze bottle to dispense contents.
- Highly visible with ESD markings, allowing people to immediately know the bottle is static protective.



Part No:	Bottle Size	Price
G-SPB-50	50ml	£6.00

ALL PRICES EXCLUDE VAT

ESD ESSENTIALS

GENERAL CONDUCTIVE PLASTIC WASTE BINS



For use in assembly area or office
These items allow for safe cleaning
and waste disposal within an EPA area.

Part No:	Description	H x W x D (mm)	Litres	Price
107-202	SMALL round ESD waste bin (with handles)	310 x 280 DIA.	12 Litre	£16.40
107-215	SMALL ESD waste bin	310 x 280 x 210	12 Litre	£16.40
107-216	MEDIUM ESD waste bin	380 x 380 x 260	30 Litre	£22.80
107-220	LARGE ESD waste bin	530 x 330 x 330	40 Litre	£32.35

ESD BIN LINERS



(All sold in packs of 100)

Part No:	Colour	Size Litres	Price/100 Pack
107-204	PINK	12 Litre	£19.05
107-212	PINK	110 Litre	£38.00
107-208	BLACK	110 Litre	£38.00
107-209	BLUE	110 Litre	£38.00
107-207	YELLOW	110 Litre	£38.00
107-210	CLEAR	110 Litre	£38.00
107-206	GREEN	110 Litre	£38.00

ALL PRICES EXCLUDE VAT

ESD ESSENTIALS

A4 ESD RING BINDERS



- Made from a light blue dissipative PVS material. Features a D-shaped ring mechanism and is printed with an ESD caution logo.
- Surface resistance (Rs) of Ohms 10^{11} Ohms, T1000: <2 secs

Part No:	Size	Price
107-100	25mm Spine	£8.99
107-102	50mm Spine	£11.30

A4 ESD CLIP BOARDS



Part No:	Size	Price
107-107	A4	£8.90

ALL PRICES EXCLUDE VAT

ESD DOCUMENT WALLETS A4 + A3



(Packs of 100)

Clear Anti-static document wallets for document storage and handling within electrostatic protected areas.



Part No:	Size	Price
107-101	A4	£16.50
107-106-1	A3	£58.31

ESD RUBBER BANDS



Pink anti static rubber bands for use with static sensitive devices.
Sold in 1Kg Bags

Part No:	Size	Price/Kg
101-120-1	60mm Dia.	£29.85
101-120	120mm Dia.	£29.85

ESD ESSENTIALS

DOTTED PALM GRIP GLOVES (10 pairs/pack)



Part No	Size	Price
G-G101-S	Small	£9.00/Pack
G-G101-M	Medium	£9.00/Pack
G-G101-L	Large	£9.00/Pack
G-G101-XL	Extra Large	£9.00/Pack

CARBON KNITTED GLOVES (10 pairs/pack)



Part No	Size	Price
122-200-S	Small	£26.46/Pack
122-200-M	Medium	£26.46/Pack
122-200-L	Large	£26.46/Pack
122-200-XL	Extra Large	£26.46/Pack

STRIPED GLOVES (10 pairs/pack)



Part No	Size	Price
G-G101B-S	Small	£9.50/Pack
G-G101B-M	Medium	£9.50/Pack
G-G101B-L	Large	£9.50/Pack
G-G101B-XL	Extra Large	£9.50/Pack

PU PALM GLOVES



Part No	Size	Price
122-202-S	Small	£2.60/Pair
122-202-M	Medium	£2.60/Pair
122-202-L	Large	£2.60/Pair
122-202-XL	Extra Large	£2.60/Pair

Also available NITRILE POWDER FREE GLOVES, 100% COTTON LINERS
LATEX POWDER FREE GLOVES. Call 01202 588900 to order!

ALL PRICES EXCLUDE VAT

ESD Handling



ESD ESSENTIALS

ESD STACKABLE BINS

OPEN FRONTS



Part No:	Ext. Size (mm)	Price
101-501	100 x 170 x 75	£3.68



Part No:	Ext. Size (mm)	Price
101-500	105 x 95 x 55	£3.26



Part No:	Ext. Size (mm)	Price
101-502	150 x 230 x 125	£5.52



Part No:	Ext. Size (mm)	Price
101-503	210 x 350 x 145	£9.94



Part No:	Ext. Size (mm)	Price
101-504	210 x 350 x 200	£10.54



Part No:	Ext. Size (mm)	Price
101-505	310 x 500 x 200	£17.26

CLOSED FRONTS



Part No:	Ext. Size (mm)	Price
101-530	120 x 300 x 100	£7.42



Part No:	Ext. Size (mm)	Price
101-531	120 x 400 x 100	£7.68



Part No:	Ext. Size (mm)	Price
101-532	120 x 500 x 100	£9.36



Part No:	Ext. Size (mm)	Price
101-533	160 x 500 x 100	£10.02



Part No:	Ext. Size (mm)	Price
101-534	160 x 600 x 100	£10.66



* Images not to scale - Sizes shown are LxWxH

ESD ESSENTIALS

ESD STACKABLE PICKING BINS

The new generation of ESD storage boxes with open front is characterised by maximum flexibility and functionality. With a sophisticated range of modular accessories, they can be subdivided lengthways or sideways, furnished with Viewing panels, protected against dust and labelled.

- Facilitate your work operations
- Extremely robust design
- Plenty of space for contents
- Stackable



Part No:	Ext. Size (mm)	Price
G-SK1	85 x 102 x 50	£5.52



Part No:	Ext. Size (mm)	Price
G-SK2	160 x 102 x 75	£6.08



Part No:	Ext. Size (mm)	Price
G-SK2L	215 x 102 x 75	£6.30



Part No:	Ext. Size (mm)	Price
G-SK3	230 x 150 x 125	£7.29



Part No:	Ext. Size (mm)	Price
G-SK3L	315 x 150 x 125	£7.99



Part No:	Ext. Size (mm)	Price
G-SK4	350 x 210 x 150	£10.03



Part No:	Ext. Size (mm)	Price
G-SK4H	350 x 210 x 200	£11.88



Part No:	Ext. Size (mm)	Price
G-SK5	500 x 310 x 200	£18.53



Part No:	Ext. Size (mm)	Price
G-SK5H	500 x 310 x 300	£24.88

* Images not to scale - Sizes shown are LxWxH

ESD ESSENTIALS

ESD EURO CONTAINERS



Available sizes

Part No:	External Box Size (mm) L x W x H	Price
G-4375-C	400 x 300 x 75	£7.95
G-4312-C	400 x 300 x 120	£10.87
G-4317-C	400 x 300 x 170	£13.28
G-4322-C	400 x 300 x 220	£15.18
G-4327-C	400 x 300 x 270	£18.61
G-4332-C	400 x 300 x 320	£20.79
G-6475-C	600 x 400 x 75	£14.63
G-6412-C	600 x 400 x 120	£18.89
G-6417-C	600 x 400 x 170	£23.43
G-6422-C	600 x 400 x 220	£26.87
G-6427-C	600 x 400 x 270	£32.02
G-6432-C	600 x 400 x 320	£31.23
G-6442-C	600 x 400 x 420	£44.08
G-8612-C	800 x 600 x 120	£47.98
G-8622-C	800 x 600 x 220	£63.58
G-8632-C	800 x 600 x 320	£83.40
G-8642-C	800 x 600 x 420	£93.72

- These ESD containers are made of plastics that were specifically designed for transporting sensitive electronic devices
- They reliably prevent electrostatic charge and divert already existing charges
- Special volume resistivity/surface resistivity: $10^4 < 10^{10}$ Ohm cm
- Available in a range of different sizes
- Design: Base and sides closed, with closed handles
- Material: 1A new material PP-Copo
- Colour: Black

BEST SELLER

BEST SELLER

BEST SELLER

BEST SELLER

BEST SELLER

BEST SELLER

****Pallet quantities are available, please call for price & availability****

ESD ESSENTIALS

PCB MAGAZINE RACKS

Quick Adjust (50 Slot) PCB Magazine Racks



- Heat Ranges from (80-200 °C)
- Surface resistance: 10^4 to 10^6 Ohm
- Base: Conductive stainless metal
- Slots for up to 50 PCB's
- Slot Depth 3.5mm @ 10mm pitch



- Designed for fully automated assembly lines
- Quick adjust, lever & gear track
- Allows easy width adjustment
- Rigid steel and aluminium frame

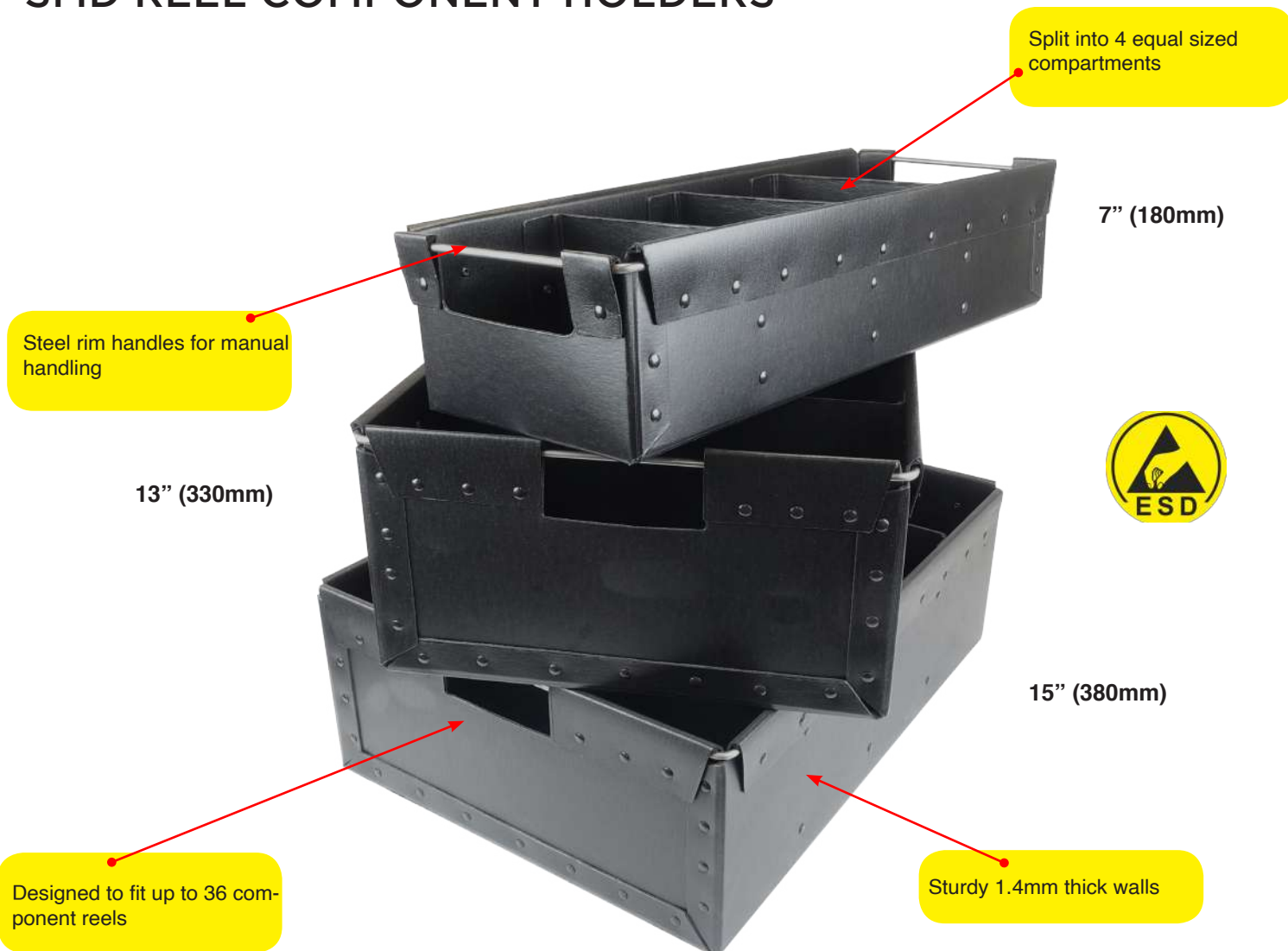


****NON Stocked Items, available for special order, call for delivery times****

Part No:	Size	PCB Max Length	PCB (Min/Max) Width	Heat Resistance	Weight	Price
109-106	355 x 320 x 563mm	350mm	50-250mm	80°C	6.5Kg	£89.90
**109-106-1	355 x 320 x 563mm	350mm	50-250mm	120°C	6.5Kg	£119.50
**109-106-2	355 x 320 x 563mm	350mm	50-250mm	200°C	6.5Kg	£139.50
109-105	400 x 460 x 563mm	450mm	50-330mm	80°C	9.0Kg	£127.00
**109-105-1	400 x 460 x 563mm	450mm	50-330mm	120°C	9.0Kg	£167.00
**109-105-2	400 x 460 x 563mm	450mm	50-330mm	200°C	9.0Kg	£187.00
109-108	535 x 530 x 570mm	530mm	50-460mm	80°C	11.5Kg	£195.00

ESD ESSENTIALS

SMD REEL COMPONENT HOLDERS



A high quality SMD component reel holder with inside partitions and an exterior steel rim with out turned edge.

Features:

- 1.4mm Thick Walls
- Split into 4 equal sized compartments
- Reel holders store up to 36 component reels
- Designed for 7" (180mm), 13" (330mm) or 15" (380mm) diameter SMD component reels

Part No:	Reel Size Designed For	External Size (mm)	Internal Size (mm)	Price
109-500	7" (180mm)	500 x 200 x 116	482 x 185 x 113	£19.50
109-505	13" (330mm)	500 x 350 x 175	485 x 330 x 173	£29.50
109-507	15" (380mm)	500 x 385 x 175	485 x 370 x 173	£32.50

ESD ESSENTIALS

SMD 7" REEL COMPONENT HOLDERS



A high quality 7" (180mm) SMD (surface mount device) component reel holder for storing 26 x 7" SMD component reels. ESD Safe.

Features:

- Easily store SMD reeled components on a shelf
- Securely holds up to 26 x 7" (180mm) reels
- Manufactured from black conductive polypropylene, ESD safe
- Suitable for ESD sensitive components
- 2mm thick walls

Part No:	Ext. Size (mm)	Price
109-101	400x190x110	£19.00



The G-SK4 and the G-SK4H storage boxes can also be used as

7" SMD REEL COMPONENT HOLDERS



Part No:	Ext. Size (mm)	Price
G-SK4	350 x 210 x 150	£10.03



Part No:	Ext. Size (mm)	Price
G-SK4H	350 x 210 x 200	£11.88

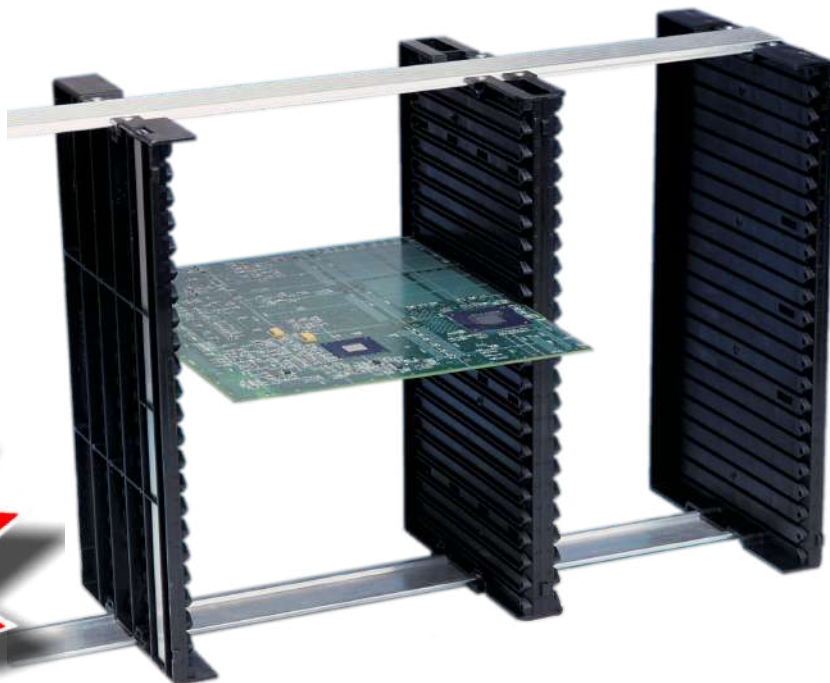
ESD ESSENTIALS

PCB STORAGE RACKS

Simple yet very efficient method of storage / transportation of printed circuit boards.

Frames are fully adjustable and extremely versatile as they can be used in a vertical, horizontal or flat position.

They are made up of 2 end walls located on aluminium rails with the option of a central divider for added capability.



SAVE 10%
COMPLETE KIT ONLY

£33.91

****Kit includes: 2 x G-EL41
1 x G-EL42 & 1 x G-ELF2****

Part No:	Description	Size (mm)	Price
G-EL41**	Conductive End Wall	350 x 190 x 30	£15.22
G-EL42**	Conductive Centre Frame	350 x 190 x 35	£16.97
G-ELF1	Aluminium Rail	152mm (Pair)	£4.90
G-ELF2**	Aluminium Rail	252mm (Pair)	£5.27
G-ELF4	Aluminium Rail	352mm (Pair)	£8.25
G-ELF6	Aluminium Rail	552mm (Pair)	£10.78
G-EL-SET	Complete Kit 10% OFF	252mm	£33.91



CONTAINER SHOWN
G-6427-C
(600 x 400 x 270)

A typical large rack is made up of two end walls and a pair of rails.

The centre frame is optional.
Max depth of PCB 2.5mm - 22 Slots.

**ASSEMBLED RACKS WILL FIT
PERFECTLY INTO A
STANDARD
EURO CONTAINER**
Lids available

Part No:	Size (mm)	Price
G-6427-C	600 x 400 x 270	£32.02

ESD ESSENTIALS

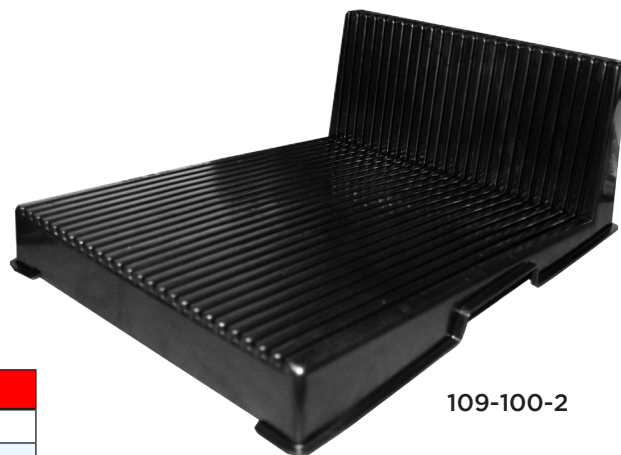
L SHAPED RACKS

Robust moulded, PCB racks offer a very convenient method of storage in assembly areas. Can be used in conjunction with conductive picking bins, transport stacking, Euro-Fix containers and on its own. These PCB racks are also stackable for space saving. For use in static controlled product areas where the racks give a conductive path to ground.

- Made from conductive polypropylene.
- Electrical resistance Rs: $10^3 - 10^5$ Ohm



109-100-1



109-100-2

Part No:	Size (mm)	Max Board Thickness	Price
109-100-1	275 x 206 x 93	3.2mm	£10.45
109-100-2	335 x 265 x 130	2.4mm	£13.45

L SHAPED RACK

Quality, stainless steel framed L shaped rack with conductive polypropylene slats for holding up to 35 PCB's



- Holds up to 35 PCB's
- Slats moulded from conductive polypropylene
- Ideal for the transportation of PCB's
- Sturdy metal frame

Part No:	Size (mm)	Price
109-100-3	275 x 406 x 150	£19.98

ESD ESSENTIALS

CIRCUIT BOARD HOLDERS

- Conductive flat black polypropylene PCB holder
- (Electrical resistance $R_s 10^2 - 10^5 \text{ Ohm}$)
- Featuring grip openings for easier handling
- Can be used to store and handle many styles of PCB's
- Keeps PCB's visible and organised
- Can be stacked using compatible posts



Part No:	Size (mm)	Price
109-100-5	357 x 257 x 14	£8.45
109-100-6	557 x 357 x 22	£27.20
109-100-7	Stacking Posts (4 Pack)	£3.50

NITRILE POWDER FREE GLOVES

When strength and dexterity are of the upmost importance, powder free nitrile gloves are the ideal choice.

These versatile gloves are sure to suit the task at hand.



Part No:	Size	Price/Box 100
122-100	S, M, L, XL	£7.80

ESD ESSENTIALS

ESD TROLLEYS

ESD Trolleys are the perfect way to move static sensitive components around the production line. Designed to accommodate standard ESD boxes and picking bins.



ESD TROLLEYS



Part No:	Description	Price
109-115	Single Tier Trolley	£190.00
109-116	Two Tier Trolley	£225.00

Trolley Dimensions:

- L640 x W420 x H660mm
- Handle Height 1020mm

- ESD Powder coated frame
- Durable zinc plated shelves
- Sturdy castor locks
- ESD castors



2 x Lockable Rear ESD castors

ESD ESSENTIALS

ESD PCB TROLLEY CART

The ideal rack solution for storing and carrying large numbers of PCB's, with quick adjust levers to facilitate easy width adjustment.

- Heat Resistance to (200 °C) • Surface resistance: 10^4 to 10^9 Ohm • Slot Depth 3mm @ 10mm pitch
- Main material is 201# stainless steel and PP conductive board • 3 lines of PCB's available with 55-110 PCS



- Quick Adjust, levers allows easy width adjustment.
- Rigid Stainless Steel frame.
- 4 x 4" Castors
- Conductive chain
- Loading weight per layer: 1KG

Part No:	Slot Depth	Price
109-110	3mm @ 10mm Pitch	£590.00



ESD ESSENTIALS

ESD PCB TROLLEY CART

A great rack solution for storing and carrying large numbers of PCB's, with easy to adjust width adjustment.

- 50 Available Slots
- Max PCB Thickness 5mm
- 10mm pitch
- Panel Depth 450mm



Part No:	Trolley Width	Working Width	Panels Available	Price
109-111	600mm	500mm	1 x Single Fixed, 1 x Single Adjustable	£POA
109-112	1100mm	1000mm	1 x Single Fixed, 1 x Single Adjustable, + 1 x Double Adjustable	£POA
109-113	1100mm	1000mm	1 x Single Fixed, 1 x Single Adjustable, + 2 x Double Adjustable	£POA
109-114	n/a	n/a	1 x Double Adjustable (Panel Only)	£POA

MORE RACKS COMING SOON



**ESD FOOTWEAR
ESD WORKWEAR
ESD HANDLING
ESD PACKAGING
ESD MATTING
ESD CHAIRS
ESD TESTING
ESD FLOOR COATINGS
ESD STATIONERY
ESD GROUNDING
ESD ESSENTIALS
ESD TAPES**

We have you ESD safe!