



## Conductive Grid Tape Excellent For Static Safe Areas

ESD Systems' Conductive Grid Tape is a beige polypropylene, three layer tape with a conductive grid middle layer. The grid pattern and ESD awareness symbols help alert recipients that packages contain ESD sensitive components and should be handled in an ESD safe work area. This tape is available in 1/2", 1", and 2" widths, making it useful for a variety of applications. Grid pattern tape is great for other applications where the generation of static electricity is of concern. The antistatic tape will generate less than 200 volts. Call customer service for a free sample or request Drawing #16075. Phone: 508-485-7390.

Item	Description	1-29	30-50	60+
16075	Tape, 1/2"	\$2.60	\$2.42	\$2.24
16076	Tape, 1"	5.93	5.52	5.10
16077	Tape, 2"	9.98	8.31	8.58



19 Brigham Street, Unit 9  
 Marlboro, MA 01752-3170  
 Phone: 508-485-7390  
 Fax: 800-805-5665  
 E-Mail: [service@esdsystems.com](mailto:service@esdsystems.com)

ADDRESS CORRECTION REQUESTED

Ask for our Full-Line Catalog!

<http://www.esdsystems.com>

Open 24 Hours a Day!

We have recently updated the ESD Systems home page and added many new features. Following is a list of some of the updated features:

- On-line ESD catalog with new products
- Overstock and Discontinued items at discounted prices
- FAQ page with over 70 answered questions
- "Q&A" page where you can submit your own questions
- A Collection of ESD Control "White Papers"
- An evolving ESD standards page



The ESD Systems home page is an excellent resource for the self-help ESD coordinator to read ESD related articles, place orders, or have your questions answered 24 hours a day. Our site is always growing. Have you visited us lately?

### Receiving Duplicates? Incorrect Address?

Please fax mailing information to us at 800-805-5665. Note corrections and/or duplicates and we'll take care of it.

Bulk Rate  
 U.S. Postage  
**PAID**  
 GS&W  
 SERVICES INC.

### ✓ Please route to:

- \_\_\_\_\_  
 (ESD / Static Control Supervisor)
- \_\_\_\_\_  
 (Quality Manager / ESD Egr. / Trainer)

# Talking ESD Control

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## Announcing The New Dual Operator Continuous Monitor



Remote Jack

Now includes Mounting Bracket and Two Remote Jacks!!!



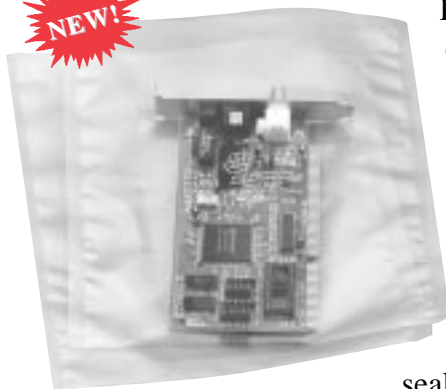
ESD Systems' new Dual Operator Workstation Continuous Monitor, Item #41137, will continuously monitor two operators and a work surface with  $RTT < 10^8$  Ohms. Its reliable impedance system will not sound any false alarms. These monitors come with two remote jacks and a mounting bracket, which allows for mounting of the base unit at eye level. Each unit monitors two single wire wrist straps and a grounded work surface. A work surface monitoring ground cord is also included. Request Tech Brief PS-2080 for more information.



Check Out Our New Lower Price!

Item#	Description	1-4	5-9	10+
41137	Dual Operator, Workstation, 120 Vac	\$150.00	\$139.50	\$129.00

## Clear Dissipative Recyclable Bags Are A Cost Effective Alternative to Pink Poly



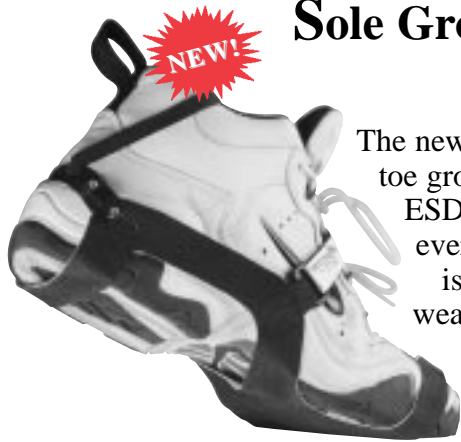
ESD Systems' new clear dissipative bags are a cost effective choice for packaging both moisture and chemically sensitive materials. These bags feature a laminated structure for excellent puncture resistance and proprietary multilayer construction with a heat sealable inner layer. Constructed from dissipative non-tribocharging polypropylene, the bags are 100% recyclable. Request Drawing 32500.

Call For Your Free Sample Today!

## Have You Received Our Latest Catalog?

Our newest catalog has 68 pages of Electrostatic Discharge Control products, including over 50 new products! If you haven't yet received your copy, or would like to request additional copies for your colleagues, please fax, call, or e-mail customer service: [service@esdsystems.com](mailto:service@esdsystems.com) You can also view our catalog on our web site at [www.esdsystems.com](http://www.esdsystems.com) Ph.: 508-485-7390. Fax: 800-805-5665.





## Sole Grounder Increases Contact Area Between Your Foot and Floor Surface

The new Sole Grounder from ESD Systems combines the features of both heel and toe grounders in one unit, thereby increasing the contact area of the foot with an ESD control floor surface. Item #24800 is available in three sizes to fit almost every user and is available with a 1 or 2-megohm resistor. This sole grounder is made of cross-linked tire grade rubber, which is more resilient and more wear resistant than other materials.

We're sure you'll love the features of this new grounder, and we encourage you to give them a try! Call customer service to receive a sample or request Drawing 24800. Phone: 508-485-7390. Fax: 800-805-5665.

Item	Description	1-24	25-99	100+
24800	Sole Grounder, 1 Meg Resistor, small	\$15.08	\$14.02	\$12.97
24801	Sole Grounder, 2 Meg Resistor, small	15.08	14.02	12.97
24802	Sole Grounder, 1 Meg Resistor, large	15.08	14.02	12.97
24803	Sole Grounder, 2 Meg Resistor, large	15.08	14.02	12.97



### ESD Systems to Exhibit At The 20th Annual EOS/ESD Symposium!

The EOS/ESD 20th Annual Symposium will be held October 4th - 8th in Reno, Nevada. This Symposium is an excellent opportunity to learn from tutorials, technical papers, workshops, speakers, presentations, and exhibitors.

We encourage you to stop by the ESD Systems exhibit to learn more about our wide variety of Electrostatic Discharge Control products. This is a great opportunity to meet our ESD Systems team.

1998 EOS/ESD Symposium  
c/o ESD Association  
7900 Turin Rd. Bldg. 3, Suite 2  
Rome, NY 13440-2069  
Phone: (315) 339-6937  
Fax: (315) 339-6739  
www.eosesd.com

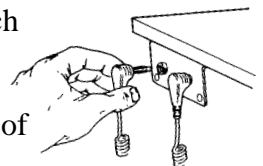
## New Adjustable Elastic Wrist Strap Kit Includes Right Angle Cord

Stays Securely In Place - Will Not Accidentally Disconnect



Our wide, soft elastic wrist strap provides extra comfort for the user. The wrist band has a standard stainless steel stud which improves the mechanical connection with the coil cord and lasts longer than metal stamped snaps.

Used in conjunction with the #13525 Dual Bench Mount, cords stay out of the way for improved worker productivity. In addition, under the bench mounting allows for quick disconnecting of the banana jack. With the Dual Bench Mount two people are able to ground wrist straps simultaneously and the coil cord will not obstruct the work area.



Request Tech Drawing #22005 for more information or call customer service for a sample. Phone: 508-485-7390.

Item	Description	Special Price 1-24*
22110	Band w/6' Cord & Angle Banana, 4mm	\$11.45
22111	Band w/12' Cord & Angle Banana, 4mm	12.75

\*Call customer service for pricing on larger quantities.



## New CD-ROM Training Series Includes Administrative Feature to Track Student's Progress

The ESD Control CD-ROM training series is designed to

help companies meet the ESD Association's guidelines and ISO 9000 requirements. This series covers manufacturing and service environments including clean rooms and high-voltage hazard areas. It also includes administrative software to track each student's progress and identifies areas where additional review is needed. #36061 allows individual self paced training, and typical training time is 45-90 minutes.

### Course Outline:

1. Static Electricity Basics
2. Electrostatic Discharge Causes and Consequences
3. Generation of Static Electricity
4. Personal Grounding
5. Storage and Handling of ESD-Sensitive Components
6. ESD Protection at the Workstation and Field Service
7. Final Test

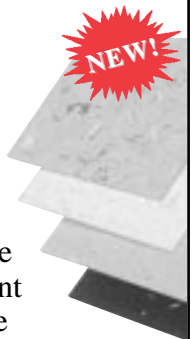
Item:	Description:	1-2	3-4	5+
36061	CD-ROM, PC Format	\$676.00	\$628.68	\$581.36

Call Customer Service for more information or request Tech Brief PS-36061. Phone: 508-485-7390. Fax: 800-805-5665.

A video training program is also available for training small or large groups. Request Information on item #36074.

## Forbo High Density Vinyl ESD Floor Tiles Are Independent of Room Temperature And Humidity

New high density, low plasticizer content tiles will not break and are resistant to heavy payloads and hard wheels. These tiles have permanent ESD properties due to a conductive veining which runs throughout the tile. A non directional pattern allows for easy installation of the 24" x 24" tiles. These tiles meet the requirements of ASTM F-150 and EOS/ESD.DS7.1, and meet clean room requirements to class 10. Forbo tiles are great for raised floor applications, and minimal maintenance is required. For more information, request Tech Brief TB-EL5000.



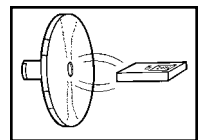
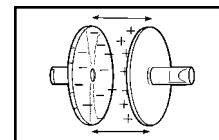
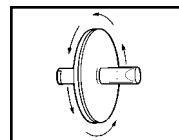
## ESD Training Paddles Easily Generate High Static Voltages

Ideal For Demonstrating Electrostatic Principles



ESD Systems' training paddles are an excellent tool for training

employees, and demonstrating electrostatic principles. Among these are electric fields, field suppression, ionization, triboelectric generation, grounding, charge storage, capacitance, field induction, and electrical properties for both conductive and insulative materials.

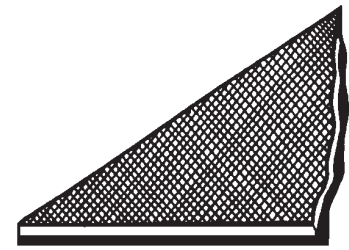


This kit includes one acrylic and one aluminum paddle for optimum charge generation, both with insulative handles. The 6" paddles are to be used in conjunction with a static field meter, ionization test kit, or charged plate analyzer. Item #36080 is ideal for training, and we encourage you to give them a try! For more information and experiments to perform with the paddles, request Tech Brief PS-2079.

# Specials on Discounted and Overstocked Items

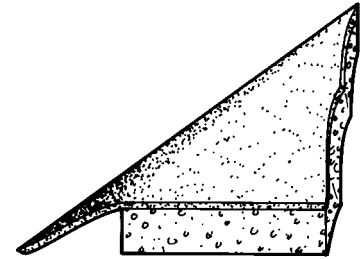
Available on a While Supplies Last (WSL) basis. Sold as-is, not returnable. Call customer service for availability

<b>Two-Layer Rubber Mat, Type T</b>		<b>Qty</b>	<b>List</b>	<b>Sale</b>
#10035	24" x 36" Mat Kit, Beige	45	\$50.49	\$24.75
#10040	24" x 48" Mat Kit, Beige	55	62.42	35.75
#10045	24" x 36" Mat Kit, Blue	7	50.49	24.75
#10050	24" x 48" Mat Kit, Blue	1	66.42	35.75
#10055	24" x 36" Mat Kit, Grey	27	50.49	24.75
#10060	24" x 48" Mat Kit, Grey	5	62.42	35.75
#10065	24" x 40' Roll, Beige	2	400.00	225.00
#10075	48" x 40' Roll, Beige	5	816.00	480.00
#10105	48" x 40' Roll, Grey	2	816.00	480.00



**Type T**

<b>Dissipative Antifatigue Vinyl, Type AF</b>		<b>Qty</b>	<b>List</b>	<b>Sale</b>
#11001	24" x 36" Mat, Charcoal Grey	20	\$30.21	\$15.00
#11003	36" x 60" Mat, Charcoal Grey	4	73.32	37.00

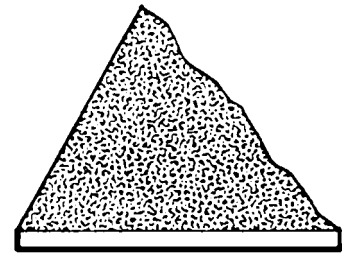


**Type AF**

<b>Dissipative Homogeneous Vinyl, Type B</b>		<b>Qty</b>	<b>List</b>	<b>Sale</b>
#10581	24" x 48" Mat Kit, Brown	7	\$44.22	\$21.00
#10850	24" x 36" Mat Kit, Brown	21	36.82	18.50

<b>Three Layer Vinyl, Type E</b>		<b>Qty</b>	<b>List</b>	<b>Sale</b>
#10412	24" x 36" Mat Kit, Grey	17	\$43.00	\$22.00
#10414	24" x 48" Mat Kit, Grey	2	49.88	25.00
#10571	30" x 24' Roll, Grey	2	206.00	115.00
#10591	30" x 24' Roll, Beige	4	206.00	115.00

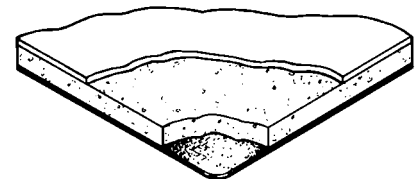
<b>Smooth Vinyl Dissipative, Type VS</b>		<b>Qty</b>	<b>List</b>	<b>Sale</b>
#11926	3' x 60' Roll, Black	1	\$980.00	\$495.00
#11930	3' x 60' Roll, White	2	980.00	495.00
#11934	3' x 60' Roll, Grey	1	980.00	495.00



**Type B**

<b>Ground Cords for Floor Mats -Old Style</b>		<b>Qty</b>	<b>List</b>	<b>Sale</b>
#13200	Floor Mat Ground Cord, No Resistor	645	\$11.74	\$5.00

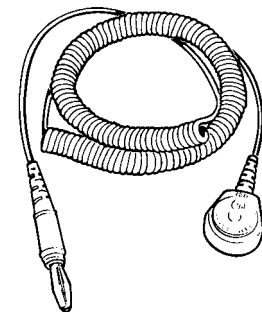
<b>Wrist Strap Coil Cords</b>		<b>Qty</b>	<b>List</b>	<b>Sale</b>
#23505	Coiled, Lite, 6', 7mm, Grey (p. 9045)	3147	\$11.62	\$5.75
#23520	Coil Cord, 24", 7mm Snap (p. 9042)	2124	15.66	5.75
#23605	Coil Cord, 6', Lite, 4mm Snap (p. 9050)	1470	11.41	4.75
#23614	Coiled, Lite, 6', 7mm, Angle Grey (p. 9044)	49	10.97	4.95
#23655	Cord, Straight, 4', 4mm Snap	247	7.50	2.50



**Type VS**

<b>Speidel® Metal Band Wrist Straps</b>		<b>Qty</b>	<b>List</b>	<b>Sale</b>
#20055	Speidel® Small, Band Only, 7mm (p. 7751)	263	\$18.15	\$9.25
#20056	Speidel® Med., Band Only, 7mm (p.7756)	55	18.55	9.25
#20057	Speidel® Large Band Only, 7mm (p. 7761)	506	18.55	9.25
#21114	Speidel® Strap, Small, 12' Cord, 7mm	121	27.62	15.50
#21300	Speidel® Wrist Strap, Small, 4mm (p.7750)	272	18.05	9.00
#21301	Speidel® Strap, Fixed Size, 4mm (p. 7755)	29	18.05	9.00
#21302	Speidel® Wrist Strap, Large, 4mm (p.7760)	180	18.05	9.00

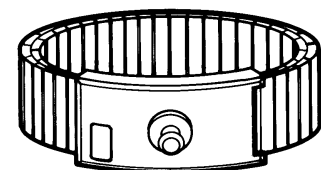
<b>Smocks</b>		<b>Qty</b>	<b>List</b>	<b>Sale</b>
#16775	Smock, White	7	\$33.66	\$28.66
#16780	Smock, White, No Collar	6	30.02	25.02



**Coil Cord**

<b>Floor Care</b>		<b>Qty</b>	<b>List</b>	<b>Sale</b>
#26065	Floor Finish, Statproof, Xlink	2	\$42.85	\$25.00
#26070	Floor Finish, Statproof, Xlink	8	207.45	105.00

<b>Foot Grounders</b>		<b>Qty</b>	<b>List</b>	<b>Sale</b>
#F. 2620	Heel Ground, Black/Beige, No Tab*	450	\$9.45	\$2.75
#24030-2nd	Heel, 1 Meg Resistor, 30" Tab	550	12.35	6.00
#24032	Heel Ground, Lined, Small, No Resistor	951	10.94	4.25
#24040-2nd	Heel Ground, Lined, 2 Meg Resistor	1120	10.35	5.00
#24060	Heel Ground, Lined, Shin Band, 2 Meg	48	17.60	8.95
#24070-2nd	Heel, 2 Meg Resistor, 30" Tab	1176	12.35	6.00
#24080-2nd	Heel, Lined, No Resistor	1420	10.35	5.00
#24167	Disposable Boot Heel Grounders, 100/pack	61	43.00	21.00
#24530	Toe Ground, Lined, 2 Meg Resistor	996	11.92	7.95
#24560	Toe Ground, Lined, No Resistor	3534	11.29	4.50



**Speidel® Wrist Strap**

\*See Catalog to purchase snap-on tabs

<b>Surface Testers/Field Meters</b>		<b>Qty</b>	<b>List</b>	<b>Sale</b>
#41250	Minimeg Surface Tester, 120v, NIST	6	\$247.31	\$150.00
#42720	Digital Static Field Meter, NIST	1	495.00	350.00

<b>Continuous Monitors/WS Touch Testers</b>		<b>Qty</b>	<b>List</b>	<b>Sale</b>
#41101	Constant Wrist Strap Monitor, 110v, NIST	1	\$175.00	\$125.00
#41105	Constant Wrist Strap Monitor, 220v, NIST	22	220.32	120.00
#41115	Gam-8 ESD Workstation Monitor	3	179.00	135.00
#41135	Dual Operator Workstation Monitor	35	176.00	120.00
#41140	Gam-8 Wrist Strap Monitor and Footwear Tester	1	192.00	99.95
#41190	Wrist Strap Touch Tester	1	98.05	50.00
#41120	Calibration Unit for Wrist Strap Monitor	6	72.50	36.25

**Buy 3 Monitors, Get the calibration Unit Free!**

<b>Ionizers</b>		<b>Qty</b>	<b>List</b>	<b>Sale</b>
#43100	Ionizer, Bench Blower, W/HTR, 120vNIST	1	\$431.00	\$224.00
#43101	Ionizer, Bench Blower, W/HTR, 220vNIST	1	521.85	240.00
#43150	Ionizer Junior, 120V, NIST	1	315.00	160.00
#43152	Ionizer Junior, 220V, NIST	1	330.00	130.00

<b>MVB Bags - Meets MIL-B-81705C</b>		<b>Qty</b>	<b>List</b>	<b>Sale</b>
#32206	5" x 8", 3.6 mil, pkg of 100	4	\$17.50	\$9.20
#32208	6" x 10", 3.6 mil, pkg of 100	1	24.75	11.70
#32216	10" x 30", 3.6 mil, pkg of 100	10	107.25	53.95
#32218	12" x 16", 3.6 mil, pkg of 100	3	74.35	37.25
#32220	15" x 18", 3.6 mil, pkg of 100	4	94.90	47.50
#32222	18" x 18", 3.6 mil, pkg of 100	5	112.55	56.95
#32224	18" x 24", 3.6 mil, pkg of 100	3	147.75	73.95

<b>Metal In &amp; Metal Out Shielding Bags</b>		<b>Qty</b>	<b>List</b>	<b>Sale</b>
#31060	10" x 30", pkg of 100, Metal Out	19	\$57.85	\$24.50
EXC 4465	6.75" x 7.5", pkg of 100, Metal In	600 packs	\$8.95	Call for Special Quote

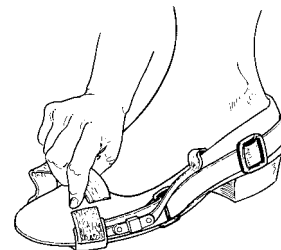
<b>Clear Antistatic Poly Bags</b>		<b>Qty</b>	<b>List</b>	<b>Sale</b>
#32400	3" x 5", 2.8 mil, pkg of 100	460	\$4.21	\$2.95
#32405	4" x 6", 2.8 mil, pkg of 100	249	5.56	3.25
#32415	5" x 8", 2.8 mil, pkg of 100	160	9.74	5.95
#32420	6" x 8", 2.8 mil, pkg of 100	167	11.69	6.95
#32435	8" x 12", 2.8 mil, pkg of 100	159	11.64	6.95
#32440	10" x 12", 2.8 mil, pkg of 100	5	12.42	7.50
#32455	12" x 16", 2.8 mil, pkg of 100	33	20.87	10.25
#32460	15" x 18", 2.8 mil, pkg of 100	54	29.22	14.95

<b>Pink Polyethylene Bags</b>		<b>Qty</b>	<b>List</b>	<b>Sale</b>
#32800	3" x 5", 4 mil thick, pkg of 100	10	\$4.21	\$1.95
#32805	4" x 6", 4 mil thick, pkg of 100	25	5.56	2.75
#32815	8" x 10", 4 mil thick, pkg of 100	42	10.57	5.25
#32820	10" x 12", 4 mil thick, pkg of 100	39	13.36	6.50
#32825	12" x 18", 4 mil thick, pkg of 100	20	22.26	11.00
#32830	3" x 5", 6 mil thick, pkg of 100	15	5.59	2.75
#32835	4" x 6", 6 mil thick, pkg of 100	15	7.62	3.75
#32840	6" x 8", 6 mil thick, pkg of 100	6	9.27	4.95
#32850	10" x 12", 6 mil thick, pkg of 100	15	15.56	7.75
#32855	12" x 18", 6 mil thick, pkg of 100	15	37.24	18.95

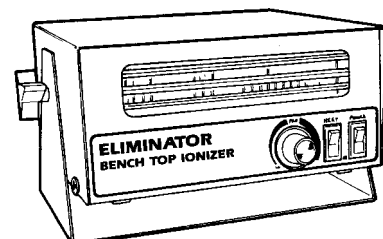
<b>Caution Labels</b>		<b>Qty</b>	<b>List</b>	<b>Sale</b>
#36183	2" x 2", Symbol, 500/roll	12	\$8.62	\$3.99
#36185	4" x 4", Symbol, 500/roll	23	16.07	7.99
#36186	2" x 2", Symbol, 500/roll, Reusable	105	8.62	3.99

<b>Conductive Hinged Boxes with Foam</b>		<b>Qty</b>	<b>List</b>	<b>Sale</b>
#BH-3701	3.5" x 7" x 1" Box w/ 2pc L.D. Foam	343	\$5.00	\$1.50
#P-2615	3.5" x 7" x 1/4" Low Density Foam	4733	Call for Special Quote	

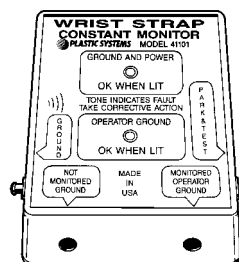
**NOTE: All items listed may come bulk packaged. Above items are sold as is and are not returnable. Call Customer Service for more information. Phone 508-485-7390.**



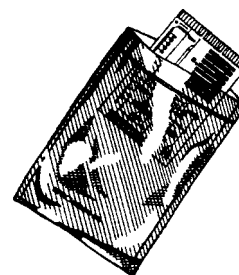
**24560 Toe Ground**



**43100 Ionizer**



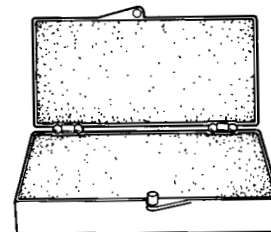
**41105 Continuous Monitor**



**Shielding Bag**



**Caution Label**



**BH-3701 Hinged Box**