

Desco's New Jewel™ Line of Coil Cords & Wristbands

The Gems of ESD Control



LIMITED LIFETIME GUARANTEE

See our web site for details

In ESD control, the wrist strap is the first line of defense. The greatest cause of expensive ESD related product quality failures is ESD from people. The Jewel Wrist Strap eliminates intermittent failures that can occur with less durable single-wire and dual-wire cord designs. These designs are most likely to fail in the critical strain relief connection. Investing in premium Jewel™ Wrist Straps will increase your financial return as effective ESD control will enhance quality, productivity and customer satisfaction.

Thanks to dedication and over twenty years of Wrist Strap product development, the Jewel™ resistor connection strain relief produces performance over 1,700 times greater than the ESD S1.1 Bending Life Test requirement, and over 140 times the published results of more expensive and fragile dual-wire wrist straps. See ongoing test results at www.desco.com.



Jewel™ ensures reliable path-to-ground™ connections necessary for effective personal grounding.

Download Drawings 09105 and 09120

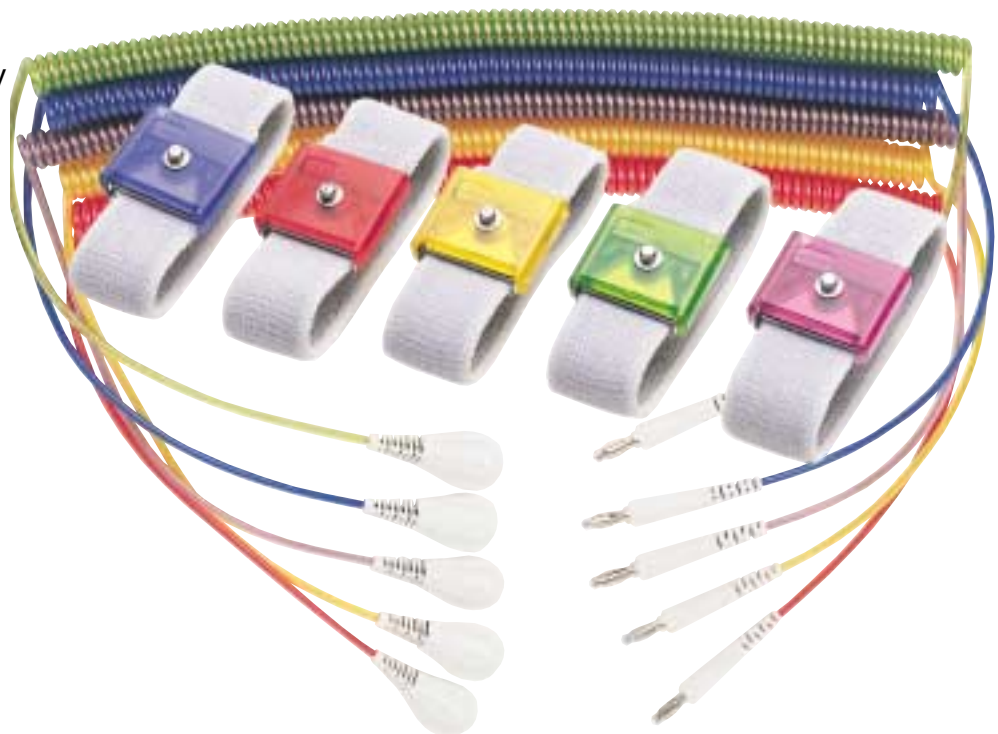
FEATURES	BENEFITS
High visibility color	Allows supervisors to easily see that workers are wearing the wrist bands and coil cords
Rapid retraction strength polyurethane coil cords	Provides high memory and less coil cord dragging on work surface
Superior resistor connection strain relief	Superior reliability. Greatly exceeds ESD S1.1 Bending Life Test. Ongoing testing at 28,656,800 cycles vs. 16,000 requirement
Patented contoured spring supported banana plug	Ensures reliable path-to-ground connection expanding banana plug into socket
Solid stainless steel wrist band stud machined to exacting tolerances & precise profile	Ensures reliable path-to-ground connection to spring loaded 4mm stainless steel constant contact coil cord snap
One megohm resistor at coil cord snap end; Underwriters Laboratories listed	To protect operator from accidental contact with equipment line voltage; meets UL and OSHA minimum requirements
Both Wrist Band & Coil Cord date coded	Provides for quality control traceability
Made in USA at Chino, CA facility	Superior quality
Lifetime warranty on our wrist band stud and a lifetime warranty on all our cords	If damaged during normal use, will provide no-charge replacement

Jewel™ Wrist Bands and Coil Cords meet and exceed the Wrist Band and Wrist Cord requirements of ANSI/ESD S20.20 except that ESD S1.1 paragraph 5.9 states "Only wrist straps incorporating a nonstandard [resistor] value shall use the color red on any portion of the wrist strap."

Jewel™ Wrist Straps, Bands, and Coil Cords are available exclusively from Desco Industries.

Choose from the colors of five gemstones:

- 09100** Wrist Strap, 6' Cord, Sapphire
- 09102** Wrist Strap, 6' Cord, Ruby
- 09103** Wrist Strap, 6' Topaz
- 09104** Wrist Strap, 6' Cord, Emerald
- 09110** Wrist Strap, 6' Cord, Amethyst
- 09105** Wristband only, Sapphire
- 09106** Wristband only, Ruby
- 09107** Wristband only, Topaz
- 09108** Wristband only, Emerald
- 09109** Wristband only, Amethyst
- 09120** Coil Cord, 6', Sapphire
- 09122** Coil Cord, 6', Ruby
- 09124** Coil Cord, 6', Topaz
- 09126** Coil Cord, 6', Emerald
- 09128** Coil Cord, 6', Amethyst
- 09121** Coil Cord, 10', Sapphire



Why Choose Desco's New Metal In Premium ESD Bags?



Is interior ionic contamination or outgassing a concern for you? If it is, then Statshield® Premium is the bag for them.



The Statshield® watermark ensures you are getting top quality Desco proprietary film manufactured by Richmond.

SUPERIOR CLEANLINESS

NVR: <1.0cm²

Ionics: <10 ng/cm²

Outgas: <500 PPM

Desco's new Statshield® Metal In Premium ESD Bag is manufactured with a low anion content. It does not contain the topically treated antistats that cause high anionic contamination, specifically Nitrates (NO₃) and Chlorides (Cl). This Premium film is made from an extrusion lamination process with no solvents used that could later outgas. Contamination is an increasing concern as circuits on boards are now using silver based alloys which corrode faster when exposed to levels of chlorides and nitrates.

Desco Statshield® Metal In Premium ESD Bags have:

Superior ESD protection

Superior Charge Decay	<0.01 sec per FTMS 101C/4046
Superior Shielding Less Energy Penetration	<15 nanojoules per ESD S11.31
Better Resistance Values	10 ¹⁰ ohms per S11.11 [interior & exterior]

More Durable & Superior Packaging

Puncture Resistance	>12# per FTMS 101C/2065
Stronger Tear Resistance	100 grams/mil per ASTM D 1922
Better Moisture Barrier MVTR	0.35 grams per ASTM F1249-90

Use Statshield® Bags to Transport and Store ESD Susceptible Items

Per paragraph 6.2.4.2. Packaging Guidance of ANSI/ESD S20.20, "The objective of ESD protective packaging is to prevent a direct electrostatic discharge to the ESDS item contained within and allow for dissipation of charge from the exterior surface." Along with Desco's Statshield® standard Metal In and Metal Out ESD Bags, Statshield® Metal In Premium ESD Bags are designed to transport or store ESD susceptible items outside ESD protected areas. All Desco Statshield® Bags are reliable and ensure Faraday Cage shielding, but Statshield® Metal In Premium ESD Bags are superior and provide the best durability.

Watermark - Identifies the Bag as Statshield® Premium

Unlike other bags, the Statshield® Metal In Premium ESD Bag has a laminate watermark allowing visual verification. Testing ESD Bags in manufacturing is costly and time consuming. By verifying that your ESD Bags are Statshield® Metal In Premium, you are assured not only that the film is ESD shielding, but that it is of the highest quality.

For more information, download drawings 12700 and 12750 from our web site: www.desco.com

DESCO

CHARLESWATER

3651 WALNUT AVE.
CHINO, CA 91710-2904

PRSR STD
U.S. POSTAGE
PAID
GS&W
SERVICES INC.

Return Service Requested

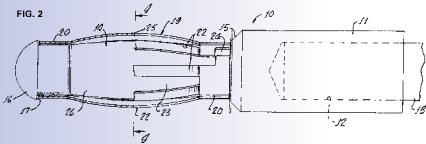


Our Premium Jewel™ Cords are Packed with Features To Provide Reliable Grounding:



Premium Medical Grade Snap

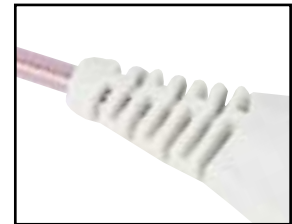
Spring loaded 4mm stainless steel constant contact snap provides constant electrical contact. One megohm resistor molded in series with cord and snap ensures UL compliance for operator safety.



Patented Contoured Banana Plug

Our premium coil cords feature a contoured supported spring banana plug design. Collapsing springs on banana plugs are the number one reason for failed coil cords. Our patented design* resists banana spring collapse by preventing the spring from travelling beyond its limit to return. When a banana spring collapses, it loses its ability to make good contact with a banana jack. Under abuse conditions, the banana plug can fall out of the jack with minimal pull force. The new banana plugs will maintain a disengagement force of equal to or greater than one pound of disengagement force over the life of the cord. They fit into all standard banana jacks ≥ 0.157 ".

*U.S. Patent 5951337



New Molded Strain Relief

The internal resistor joint is where competitor's cords are most likely to fail. Ours are super-industrial quality with the best strain relief characteristics available. The strain relief is built to last 1,200+ times the industry standard (ESD-S1.1) Bending Life Test. Our premium coil cords feature rapid retraction strength for high memory, less dragging on work surface, and reduced tangling.

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Help us clean-up our mail list and win a chance of receiving our new Portable Wrist Strap Continuous Monitor. Plug in Wrist Strap and provided ground cord and obtain continuous monitor protection; will alarm even if intermittent grounding failure occurs. May enable you to bypass wrist strap touch tester line when entering ESD Protected Area.

AN \$84 VALUE!

Ten (10) 19100 monitors will be raffled. To enter visit:
www.desco.com/raffle.htm

