

## STATSHIELD® METAL-OUT SERIES



Meets the required limits of ANSI/ESD S20.20, Packaging standard ANSI/ESD S541, and Static Control Bag standard ANSI/ESD S11.4-2012 Level 3.

### Specifications:

#### Electrical Properties

Surface Resistance:

Outer Surface

Inner Surface

Static Shielding

Charge Generation (nC/in<sup>2</sup>)

Capacitance Probe (to dissipate 1 KV)

#### Typical Values

< 1 x 10<sup>8</sup> ohms

≥ 1 x 10<sup>4</sup> to < 1 x 10<sup>11</sup> ohms

<20 nJ

Teflon: -0.03

Quartz: +0.10

<30 volts

#### Test Procedures/Method

ANSI/ESD STM11.11

ANSI/ESD STM11.11

ANSI/ESD STM11.31, EIA 541

Modified Incline Plane

Modified Incline Plane

ANSI/EIA-541/Appendix E, 1 kV Discharge

#### Physical Properties:

Bag Thickness:

Thickness

Width (Inside Dimensions)

Length (Inside Dimensions)

Light Transmission

Tensile

Puncture Resistance

MVTR

Heat Seal

Outgassing

Non-corrosive

Nominal .0030" (.0762mm) ±10%

Nominal -0" / + .125"

Nominal ± .125"

40% (Tobias)

9000 PSI

>10 lbs

0.40

>10 lbs/in.

Pass

Pass

MIL-STD-3010, 1003

ASTM D-1003

ASTM D882

MIL-STD-3010, 2065

ASTM F-1249

375°F, 1/2 sec 60 psi

ASTM E595

MIL-STD-3010, M3005

#### Chemical Properties

Corrosion:

No effect on aluminum, copper, silver, Sn-Pb coated foil, stainless steel, low carbon steel

Polycarbonate compatible:

Contains no Amines, Amides, or N-Octanoic Acid.

Bag is free of amines, N-octanoic acid, silicones, and heavy metals.

#### ANSI/ESD S541 Section 6.2 Outside an EPA

"Transportation of sensitive products outside of an EPA shall require packaging that provides:

1. Low charge generation
2. Dissipative or conductive materials for intimate contact
3. A structure that provides electrostatic discharge shielding."

#### RoHS 2 and REACH Statement

None of the RoHS 2 restricted materials or REACH substances of very high concern as of 2012/12/19 are intentionally added in manufacturing this product. Ref: European Union Directive 2011/65/EU and Regulation (EC) No. 1907/2006/CE. See Desco [Limited Warranty at Desco.com](#).

Statshield® and Statfree® are Registered Trademarks of Desco Industries Inc.  
See Bag Selection Chart Click [HERE](#).



Made in the  
United States of America

Specifications and procedures subject to change without notice.

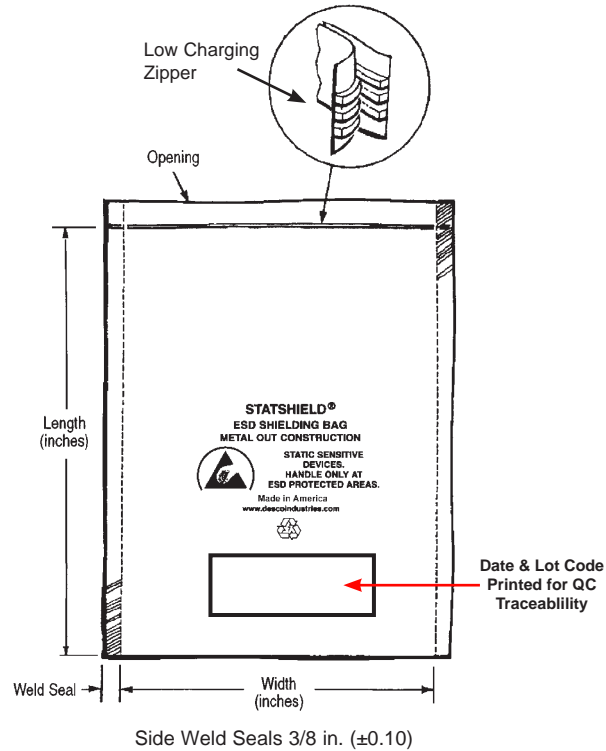
### STATSHIELD® BAG, SHIELDING, METAL-OUT CONSTRUCTION, ZIPPER, .0030" (.0762mm)

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DRAWING  
NUMBER  
13205

DATE:  
October  
2013



High Performance Static  
Dissipative Abrasion  
Resistant Coating

Aluminum  
Shielding Layer

Low Charging Static  
Dissipative Proprietary  
Polyester Layer

Low Charging Static  
Dissipative Proprietary  
Inner Polyethylene Layer



#### Mixed Unsortable Plastic Scrap

Mixed unsortable plastic scrap shall contain assorted plastics of multiple grades that are co-extruded, bonded or laminated together which are unsortable into individual grades

**Desco's bags are recyclable**

Statshield® bags are packaged 100 per package in an oversized shielding bag.  
See Shielding Bag Storage at [TB-7057](#).

# DESCO