

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/in²)

Capacitance Probe (to dissipate 1 kV)

Typical Values

< 1 x 10⁸ ohms

≥ 1 x 10⁴ to < 1 x 10¹¹ 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.

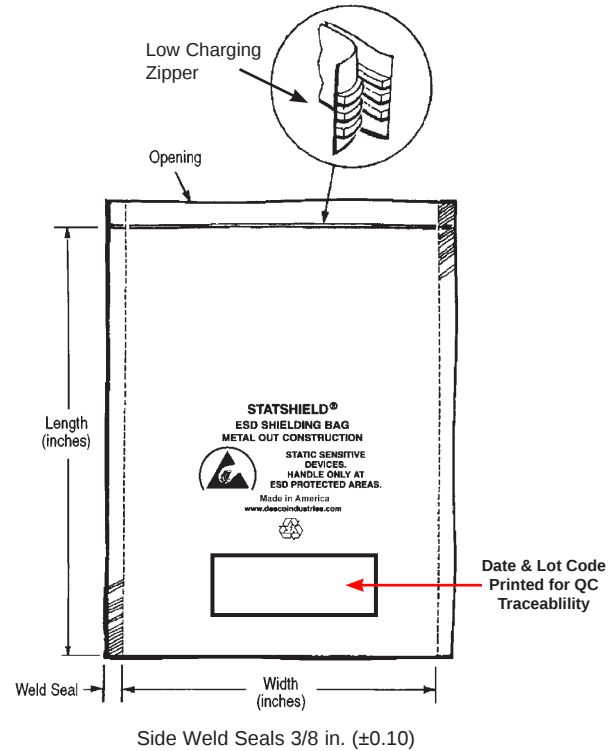
STATSHIELD® BAG, SHIELDING, METAL-OUT CONSTRUCTION, ZIPPER, .0030" (.0762mm)

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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