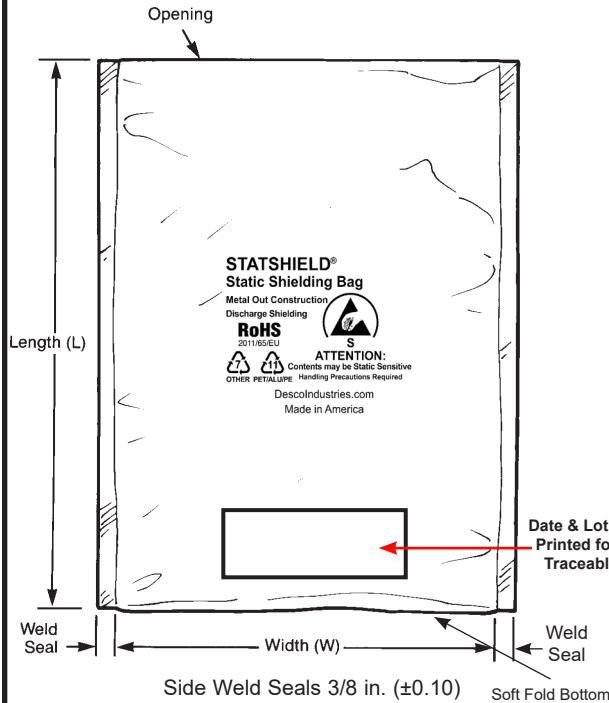


# STATSHIELD® METAL-OUT SERIES



## Specifications:

### Standard Document

ANSI/ESD S541 (ANSI/ESD S20.20)  
ANSI/ESD S11.4

### Electrical Properties

Surface Resistance:  
Outer Surface  
Inner Surface  
Discharge Shielding  
Charge Generation

### Typical Values

1 x 10<sup>4</sup> to < 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 nC/sq. in.  
Quartz: +0.10 nC/sq. in.  
<30 volts

Capacitance Probe (to dissipate 1 KV)

### Physical Properties:

Film Thickness  
Width (Inside Dimensions)  
Length (Inside Dimensions)  
Light Transmission  
Puncture Resistance  
Heat Seal  
Non-corrosive  
Silicone  
Marking Adhesion

Nominal 3.0 mil (0.07mm) ±10%  
Nominal -0" / + 0.250"  
Nominal ± 0.125", Offset 0 to 1/4"  
40% (Tobias)  
>10 lbs  
>10 lbs/in.  
Pass  
Not detected  
Pass

### Meets Requirements of:

ESD Protective Packaging  
Level 3 Technical Requirements

### 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, 1kV Discharge

MIL-STD-3010, 1003

ASTM D-1003  
MIL-STD-3010, 2065  
375°F, 1/2 sec 60 psi  
MIL-STD-3010, M3005  
FTIR  
IPC-TM-650 2.4.1

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-7507](#).

### 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, REACH and Conflict Minerals Statement

See the Desco Industries RoHS, REACH, and Conflict Minerals Statement:  
[Desco.com/pdf/REACHRoHSConflictMinerals-Desco\\_Bags.pdf](https://desco.com/pdf/REACHRoHSConflictMinerals-Desco_Bags.pdf)

See the Desco Limited Warranty:  
[Desco.DescoIndustries.com/Limited-Warranty.aspx](https://desco.com/Limited-Warranty.aspx)

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, 3.0 MIL (0.07mm)

# DESCO

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**DRAWING  
NUMBER**  
13010

**DATE:**  
June  
2019