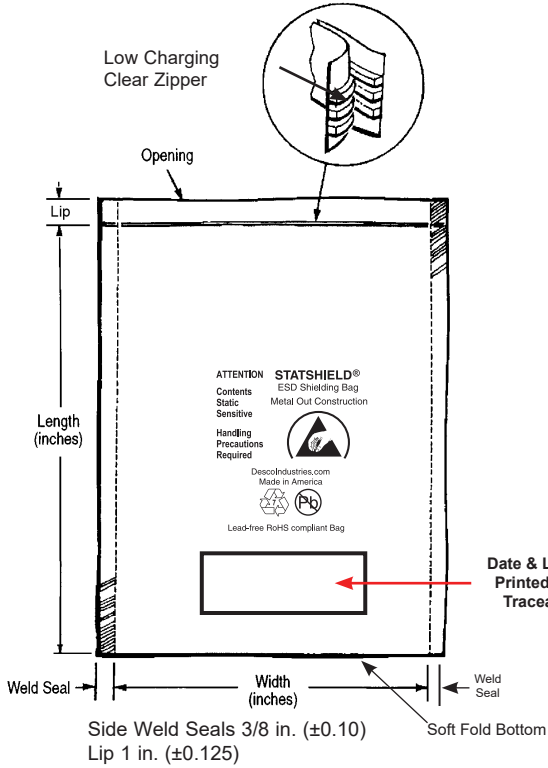


# STATSHIELD® METAL-OUT SERIES



## 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  
  
Capacitance Probe (to dissipate 1 KV)

### Typical Values

$1 \times 10^4$  to  $< 1 \times 10^8$  ohms  
 $1 \times 10^4$  to  $< 1 \times 10^{11}$  ohms  
<20 nJ  
Teflon: -0.03 nC/sq. in.  
Quartz: +0.10 nC/sq. in.  
<30 volts

### Physical Properties:

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

Nominal 0.003" (0.0762mm)  $\pm 10\%$   
Nominal -0" / + 0.125"  
Nominal  $\pm 0.125$ "  
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, 1 kV 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

### 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 3, REACH and Conflict Minerals Statement

None of the RoHS 3 restricted materials, or REACH substances of very high concern as of 2017/07/07, or Conflict Minerals are intentionally added in manufacturing this product. Ref: European Union Directive 2011/65/EU and Regulation (EC) No. 1907/2006/CE.

[Limited Warranty at Desco.com.](http://www.Desco.com)

Statshield® and Statfree® are Registered Trademarks of Desco Industries Inc.

For product listing, Click [HERE](#)  
See Bag Selection Chart Click [HERE](#)



Made in the  
United States of America



### 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](#).

Specifications and procedures subject to change without notice.

## STATSHIELD® BAG, SHIELDING, METAL-OUT CONSTRUCTION, ZIPPER, 0.003" (0.0762mm)

DESCO WEST: 3651 WALNUT AVE., CHINO, CA 91710 WEB SITE: [Desco.com](http://Desco.com)  
PHONE (909) 627-8178

DESCO EAST: ONE COLGATE WAY, CANTON, MA 02021-1407  
PHONE (781) 821-8370

**DRAWING  
NUMBER**  
13205

**DATE:**  
August  
2017

# DESCO