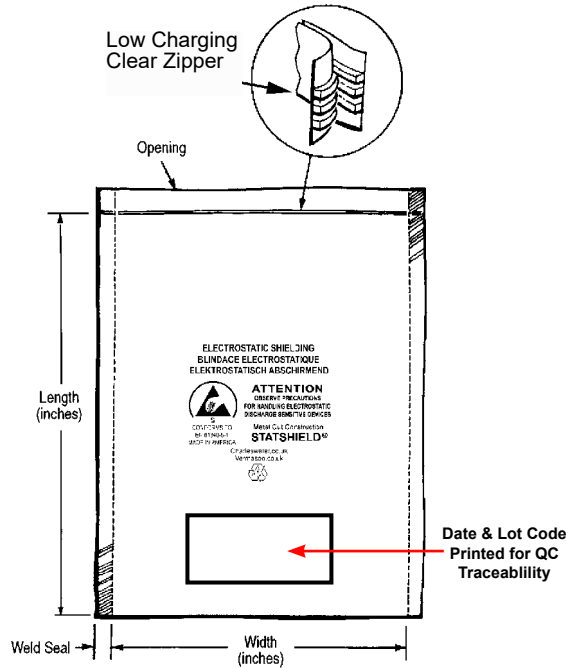
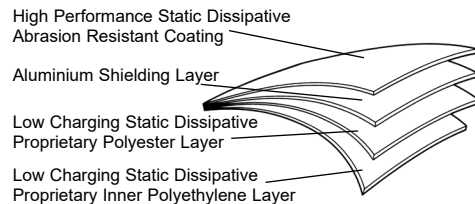


# STATSHIELD® METAL-OUT SHIELDING SERIES

Meets EN 61340-5-1 and Packaging standard IEC 61340-5-3 tested per IEC 61340-2-3 (ANSI/ESD STM11.11) and IEC 61340-4-8 (ANSI/ESD STM11.31)



Side Weld Seals 10mm (± 3mm)  
Tolerance W: ± 6mm / Tolerance L: ± 6mm



**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 Europe bags are recyclable**

## Specifications:

### Electrical Properties

Surface Resistance:  
Outer Surface  
Inner Surface  
Discharge Shielding  
Charge Generation

### 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: 0.09 nC/sq. in.  
 Quartz: 0.01 nC/sq. in.  
 $< 30V$

### Test Procedures/Method

IEC 61340-2-3  
 IEC 61340-2-3  
 IEC 61340-4-8  
 Modified Incline Plane  
 Modified Incline Plane  
 EIA 541

### Physical Properties:

Film Thickness  
Width (Inside Dimensions)  
Length (Inside Dimensions)  
Light Transmission  
Tensile Strength  
Puncture Resistance  
Heat Seal  
Cleanliness  
Marking Adhesion

Nominal 0.0762mm ± 10%  
 Nominal ± 6mm  
 Nominal ± 6mm  
 40% (Tobias)  
 4600 PSI, 32 MPa  
 $> 10$  lbs  
 $> 10$  lbs/in.  
 Silicone Not detected  
 Pass

MIL-STD-3010, 1003  
  
 ASTM D-1003  
 ASTM 882  
 MIL-STD-3010, 2065  
 375°F, 1/2 sec 60 psi  
 ASTM E168  
 IPC-TM-650 2.4.1

### Chemical Properties

Corrosion

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

Polycarbonate Capability,

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

### Per Packaging Standard EN 61340-5-3 clause 5.3 Outside an EPA

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

- dissipative or conductive materials for intimate contact;
- a structure that provides electrostatic discharge shielding.”

NOTE 1: If electrostatic field shielding materials are used to provide discharge shielding, a material that provides a barrier to current flow should be used in combination with the electrostatic field shielding material.

NOTE 2: Dissipative materials are preferred for intimate packaging in situations where charged device model (CDM) damage is a concern.”

### RoHS 2, REACH and Conflict Minerals Statement

**None of the RoHS 2 restricted materials, or REACH substances of very high concern as of 2015/12/17, or Conflict Minerals are intentionally added in manufacturing this product. Ref: European Directive 2011/65/EC Article 4.1. and Regulation (EC) No. 1907/2006/CE. See Desco Europe Limited Warranty at [DescoEurope.com](http://DescoEurope.com).**

Statshield® bags are packaged 100 per package in an oversized shielding bag.

See **1B-7057 - Requirements for Statshield ESD Bag Storage**

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



Made in the United States of America

Specifications and procedures subject to change without notice.

# DESCO EUROPE

## STATSHIELD® BAG, SHIELDING, METAL-OUT, ZIPPER

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**Drawing Number**  
 202200

**DATE:**  
 July  
 2017