

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

Electrical Properties	Typical Values
Surface Resistance:	
Outer Surface	< 1 x 10 ⁸ ohms
Inner Surface	≥ 1 x 10 ⁴ to < 1 x 10 ¹¹ ohms
Static Shielding	<20 nJ
Charge Generation (nC/in ²)	Teflon: -0.03 Quartz: +0.10
Capacitance Probe (to dissipate 1 KV)	<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:

Physical Properties	Typical Values	Test Procedures/Method
Bag Thickness:		
Thickness	Nominal .0030" (.0762mm) ±10%	MIL-STD-3010, 1003
Width (Inside Dimensions)	Nominal -0" / + .125"	
Length (Inside Dimensions)	Nominal ± .125"	
Light Transmission	40% (Tobias)	ASTM D-1003
Tensile	9000 PSI	ASTM D882
Puncture Resistance	>10 lbs	MIL-STD-3010, 2065
MVTR	0.40	ASTM F-1249
Heat Seal	>10 lbs/in.	375F, 1/2 sec 60 psi
Outgassing	Pass	ASTM E595
Non-corrosive	Pass	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](http://www.desco.com/limited-warranty).

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

Specifications and procedures subject to change without notice.

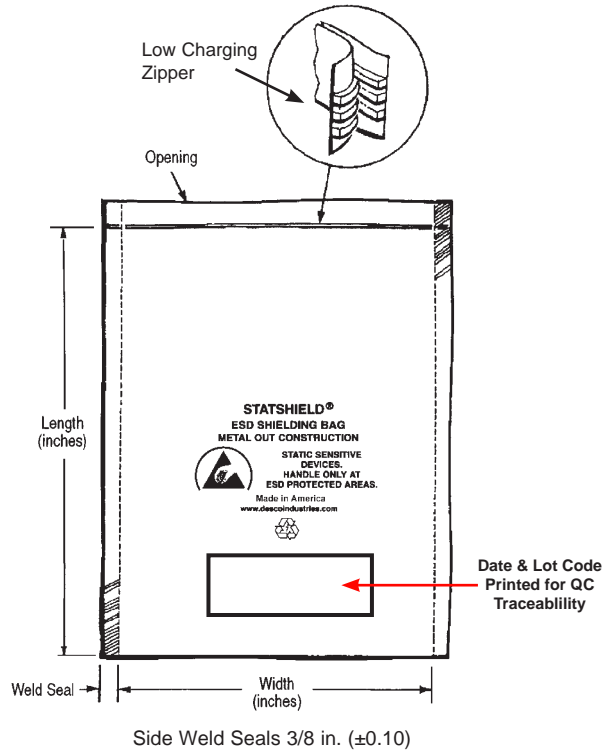
Made in the
United States of America

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

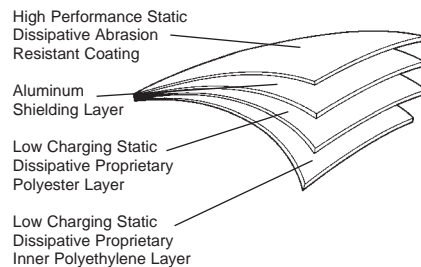
DESCO WEST: 3651 WALNUT AVE., CHINO, CA 91710 WEB SITE: Desco.com
PHONE (909) 627-8178
DESCO EAST: ONE COLGATE WAY, CANTON, MA 02021-1407
PHONE (781) 821-8370

DRAWING
NUMBER
13205

DATE:
October
2013



Side Weld Seals 3/8 in. (±0.10)



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