



Description:

Desco's Statshield® chair cover is a low charging, dissipative ($1 \times 10^6 < 1 \times 10^9$ ohms) material designed to convert a standard chair into an ESD version. The Statshield® chair cover is made from a polyester/cotton blend fabric with BASF carbon suffused mono-filament nylon. The chair back and seat are connected to a drag chain with a 1 megohm resistor that enables the chair cover to be grounded when used on a conductive floor or mat. Desco's Statshield® chair covers are machine washable.

Specifications:

Grounding resistance:	1 megohm hermetically sealed resistor
Chain Length:	24" long chain with current limiting resistor in series
Fabric Weight:	5 oz per square yard
Fabric Content:	65% polyester, 34% cotton, and 1% BASF carbon suffused mono-filament nylon
Fabric Color*:	Royal Blue
Carbon Mono-filament:	Conductive at $< 1 \times 10^5$ ohms, non-flaking and non-sloughing
Surface Resistance of Fabric:	1×10^6 to $< 1 \times 10^9$ ohms tested per ESD TR53 Seating test based on ANSI/ESD STM12.1, Seating - Resistive Measurement
Static Decay Rate:	5000 volts to 500 volts in less than 0.01 seconds, per FTMS-101C
Size:	
Seat:	18" x 20", maximum diameter 19" nominal
Back:	15 1/2" x 18 1/2", maximum diameter 17" nominal
Marking:	Product marked with ESD protective symbol to identify used for ESD control

*Fabric lots vary slightly in color.

Laundering Instructions:

Use cool or warm water. Maximum temperature 120 °F. Do not use bleach, tumble dry on cool.

Installation Instructions:

Attach top part of cover to chair back and bottom part of cover (with grounding chain attached) to chair seat. Make sure cover is fitted, centered, and secured to chair. Secure the ground chain to center post underneath chair with hook and loop and make sure ground chain makes contact with ESD floor. A minimum length of 6 inches of chain should make contact with the floor. For chairs with wheels make sure the chain is clear of the wheels so that it does not become entangled with the wheels.

Technical Information from ESD Association:

"Fabric upholstered chairs accomplish this by using conductive fibers woven into the fabric. The fabric is then connected through the components of the chair, through the cylinder, base and casters (or drag chain) to the floor." [ESD Handbook ESD TR20.20 Seating section 5.3.5.2 Types and Selection]

If not otherwise noted, tolerance $\pm 10\%$

Specifications and procedures subject to change without notice



Made in the
United States of America

Statshield® Dissipative Chair Cover

DESCO

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