



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:

The conductive fibers are sensitive to heat and should not be exposed to laundering heat in excess of 120°F. Under normal use and recommended washing conditions, Desco chair covers will maintain their usefulness and effectiveness for a minimum of 25 washings.

Use cool water, with a maximum temperature 120 °F. DO NOT BLEACH. Use only non-ionic softeners and detergents when laundering (Desco recommends Woolite®). For washing with standard house machines use the gentle cycle. For washing with industrial machines, a "Pony" (typically under 200 pound loads) machines must be used. It is not recommended to launder in heavy industrial laundry machines as it will lead to premature wear. Tumble dry using low heat.

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 ±10%

Specifications and procedures subject to change without notice



Made in the United States of America

Statshield® Dissipative Chair Cover

DESCO

DRAWING NUMBER
07200

DATE
March
2016