

Sock Testing Hosiery Consortium

[Home](#) [STC Background](#) [Minutes](#) [Abrasion](#) [Sock Sizing](#) [Sock Sizing Procedure](#) [PDF](#)

Sock Sizing Procedure for Dinema DSC

These procedures assume the operator is familiar with the use of the DSC. If further operation information is needed, please refer to the DSC User's Manual. The procedures only apply to the Dinema DSC model Version 2 and Version 3 tested. Note that the following pictures are made from the version 2 model, but that all procedures are the same for version 3.

Calibration of the DSC should be maintained on an annual basis by a qualified technician per Dinema. Use the supplied spring to verify that the machine is reading the same on a daily basis.

Each day confirm calibration of the machine by running 10 stretches with the test spring supplied. If the readings are within specified tolerance begin your sock measurements. The test spring and its' mounting is currently under development.

Once per month confirm that the test spring is pulling the same by measuring it's extension at 10 pounds (10 lb. weight supplied). Compare that reading to the measurement taken when the spring was new. When a difference is noted, replace the spring with a new one from the machine supplier.

Make sure that no garment is mounted on the DSC at either the cross stretch or length stretch position before powering it up.

Each sock can be measured only once. All measurements on different sock profiles should always be taken at the same place.

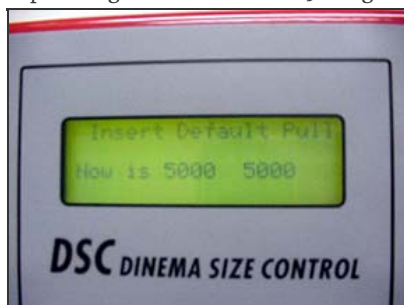
Begin with length stretch and then measure cross stretch on each sock.

Have the sock fabric for each measurement as straight as possible.

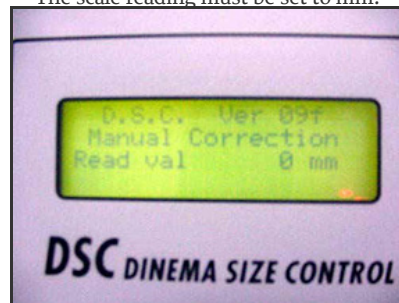
Machine Settings

The DSC gives output readings in millimeters (mm) or in 1/4 (quarters) inches increments. The 1/4 inches increments were too wide to give statistically sound reading. Use the millimeters settings on the scale reading set up. ***DSC Version 3 is capable of giving output reading in 1/16 inches.***

The pull weight should be set at 5000 grams.



The scale reading must be set to mm.



Make sure the machine is at the start position before loading the socks each time.

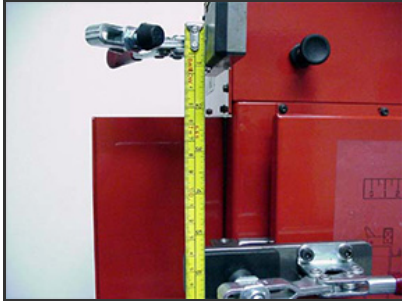
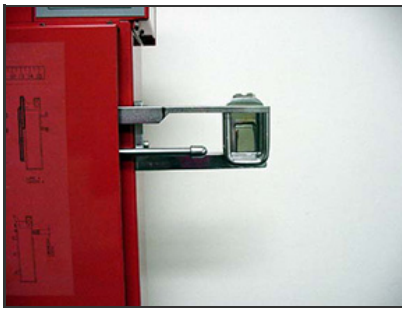


Figure 4

Procedure for Measuring Length Stretch

Note: that the minimum relaxed length to measure for length is 5 1/2 inches. That is the distance between the length stretch clamps (Figure 4). Optional needle clamps are available for sock length stretch from the distributor.

SOCK SIZING PROCEDURE FOR DINEMA DSC

Leg: Place the sock top where the top of the top clamp is located at the midpoint of the sock top (Figure 5). Place the outside heel gore (Figure 6) at the center of the bottom clamp (Figure 7). Take care that the sock is not twisted beyond 90 degrees. Depress the foot pedal until the machine travel stops and record the reading from the display (Figure 8).

Figure 5



Figure 6



Figure 7

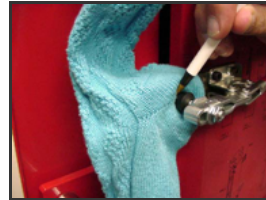


Figure 8



Foot: Place the sock outside heel gore (Figure 6) at the center of the top clamp (Figure 9). Place the outside toe gore (Figure 10) at the center of the bottom clamp (Figure 11). Take care that the sock is not twisted beyond 90 degrees. Depress the foot pedal until the machine travel stops and record the reading from the display (Figure 12).

Figure 9

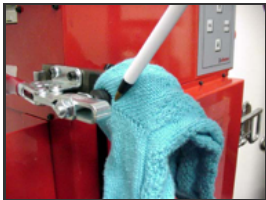


Figure 10



Figure 11



Figure 12



Links

[Home](#)
[STC Background](#)
[Minutes](#)
[Abrasion](#)

Sock Sizing:

[General Information on](#)
[Sock Sizing](#)
[Use of NAHM Foot](#)
[Forms](#)

Sock Sizing Procedure:

- HIFOMACO Scissor
- Dinema DSC
- Dinema DSC version 3
- HIFOMACO Model HT-36L

Contact

Shoe Size vs. Sock Size

• HIFOMACO LCS 4800

Legsource.com

© 2018 Sock Testing Hosiery Consortium