

Sock Abrasion Mounting Technique

Sock Abrasion Kit



Sock abrasion holder assembly



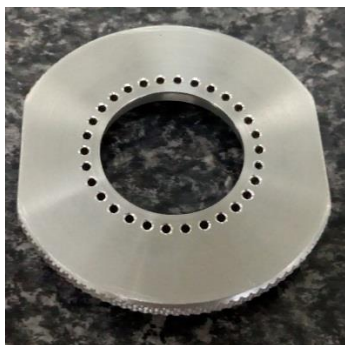
Precision ball



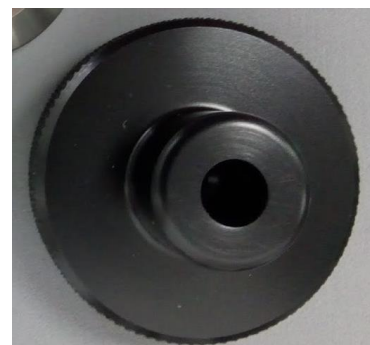
Pinned ring



Sample holder base



Sample holder top

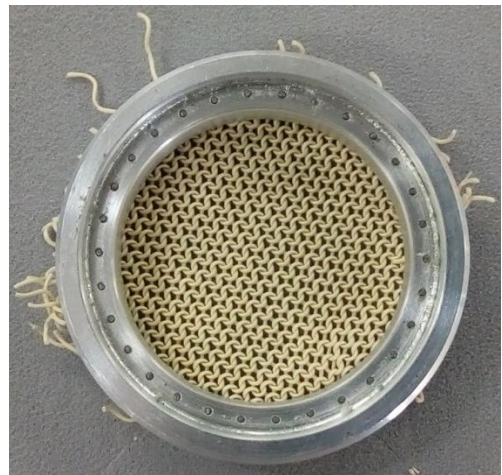


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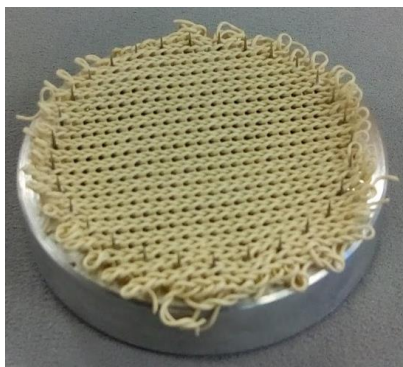
1. Cut fabric face down on board with 7.3cm² cutter



2. Place pinned ring over cut fabric pushing pins into the board to ensure the fabric is fully on the pins.



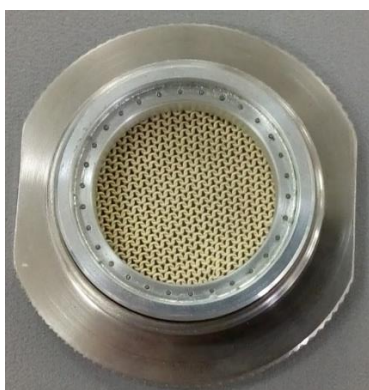
3. Remove from board & turn over to ensure all pins are through fabric.



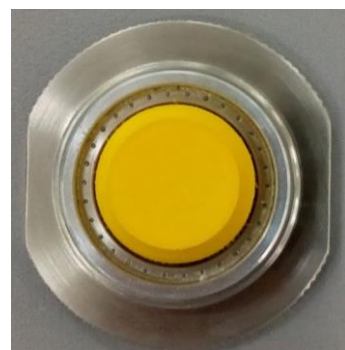
4. Trim any stray ends



5. Place ring in sample holder

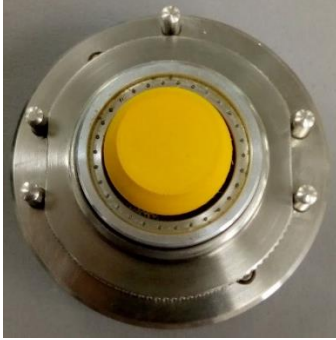


6. Place precision ball on top of fabric sample



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7. Place assembly into the sprung sample holder nut screw



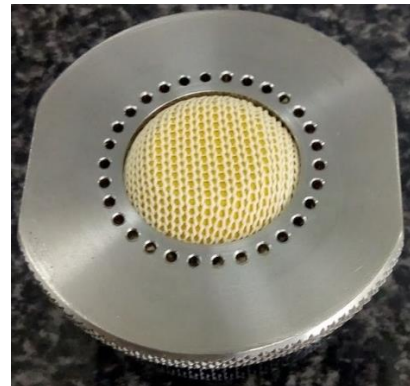
8. Screw the sample holder top piece onto the sample holder assembly base, firm pressure is needed.



9. The sample is now in situ & ready to test



10. Sock abrasant sample holder loaded with test specimen.



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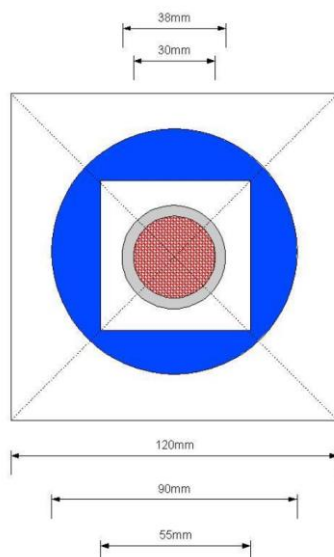
Specimen Preparation Mounting Device for Easily Stretched Textile Fabrics

Due to the properties & construction causing the fabric to curl after cutting it is a little difficult to mount the specimens on the pin ring – a further solution to this is to use a specimen preparation mounting device for easily stretched fabrics – this can be used with a standard abrading sample holder (as can be seen below) or sock abrasion sample holder as shown above).

Specimen Preparation Mounting Device for Easily Stretched Textile Fabrics



i) Cut a 120mm x 120mm fabric sample



ii) Place the fabric over the top of the device, clip on weights along the central portion of each side & rest on the platform which has previously been adjusted to ensure no fabric stretch occurs.



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iii) The knob is then loosened to allow the plate to fall – this is then raised & lowered three times in quick succession before finally allowing the fabric to hang under the load of the weights & the stretch fabric mounting foil adhered on the top.



iv) The mounting foils have an adhesive coating on one side which is used to adhere the foil to the fabric once its protective film is removed.

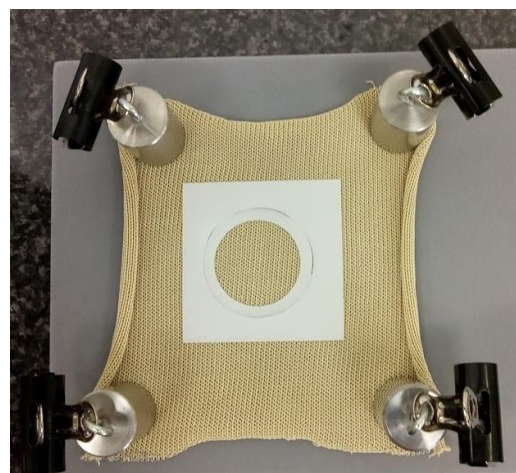
NB – The 'foils' are not made from metallic foil but PVC film.



v) The 7.3cm² Cutter is then very carefully placed centrally over the foil.

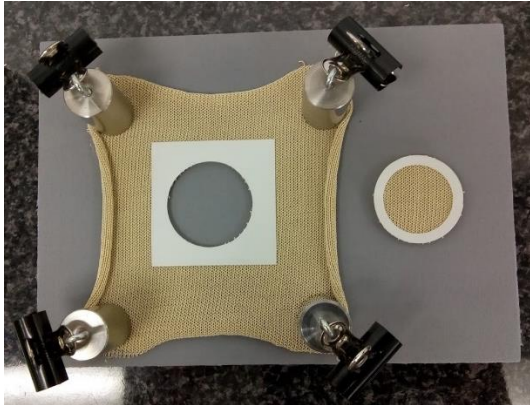


vi) The foil & fabric sample as cut in situ

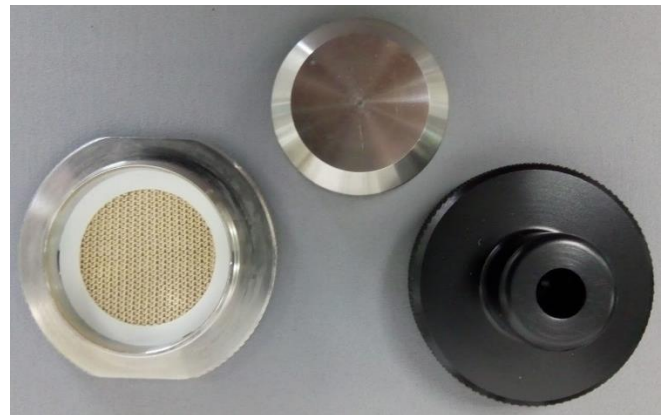


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vii) The sample with the foil ring around the fabric edge securing the cut ends and stopping curl.



viii) Standard abrasion sample holder components.



ix) Place the sample in the base face down & foil up.



x) On the block spanner, place the metal insert on top of the specimen.



xi) Screw on the sample holder top piece



xii) The sample is now ready to test

