

NRX[®] Heat Tape and Finger Sleeve application

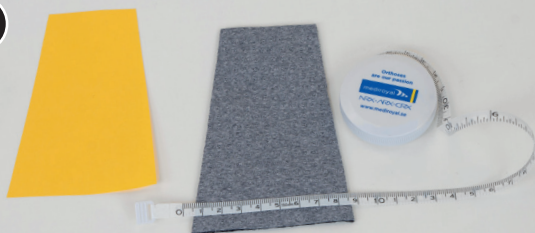
Material

NRX[®] Heat Tape can be used together with our technical textiles to create custom finger sleeves for individual support and compression. We recommend using the following materials:

- EU490403 Neptune™ material with loop surface, 1,6 mm
- EU490404 Neptune™ material with Lycra surface, 1,2 mm
- EU490201 Neoprene 1 mm, Black
- EU490203 Neoprene 3 mm, Black
- EU452120 NRX[®] Strap Neptune 120 mm width

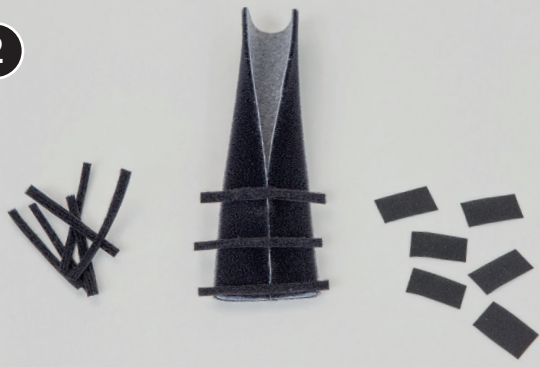
For the lamination of the sleeve we recommend to use 22 mm NRX[®] Heat Tape.

1



Take the distal and proximal circumference of the finger and make a symmetrical paper pattern of the finger shape. Make the length of the pattern twice the length of the finger to have enough material to adjust the length of the sleeve afterwards. Choose the appropriate material for your application and cut it to the pattern.

2



Cut 8–10 thin strips of NRX[®] hook that will be used to hold the construction together during the lamination. Then cut small pieces 8–10 mm in length of NRX[®] Heat Tape that should fit in between the hook strips.

3

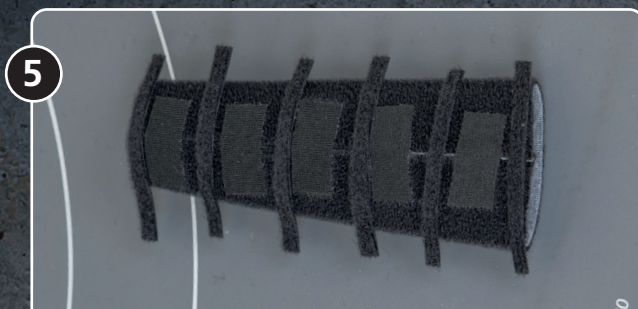


Start to create the circular shape by putting the material side-by-side and securing it with the hook strips. Try to keep the same distance between the strips, approx. 10–12 mm. Apply the NRX[®] Heat Tape pieces in between the strips. Make sure that they are not wider than the distance between the strips as this will make it difficult to remove the strips once laminated.

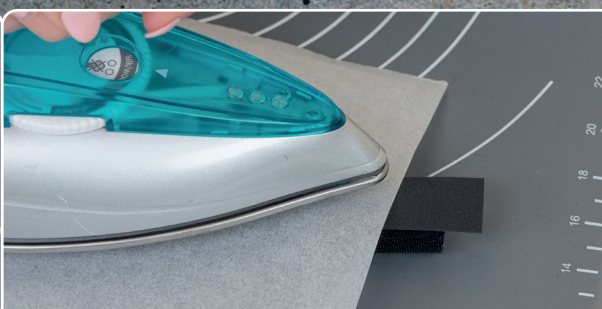
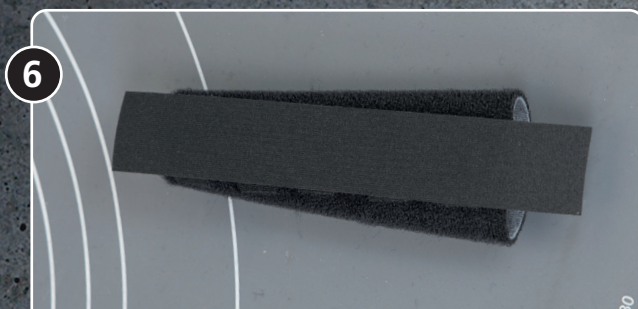
4



Position the tube on a heat resistant surface. Cover the material with a baking paper or Teflon sheet. Set the iron on medium heat (two dots) and press the NRX[®] Heat Tape for 10–15 seconds. Check that the edges has bonded. If not, repeat the process. Then let the material cool for 1–2 minutes before the second lamination.



Remove the strips carefully. The heat tape must be completely cool. The tube is now held in place with the heat tape pieces.



Cut another piece of NRX® Heat Tape that covers the full length of the sleeve plus 1 cm on each side. Position it so it covers the heat tape pieces. Repeat the lamination with the iron and make sure to cover the tape with a baking paper or Teflon sheet. Press for 10–15 seconds then let cool.



Once the tube is laminated and completely cool you can trim the tape pieces sticking out from the edges. Try the sleeve on the finger. Trim the lower part to get a snug fit over the proximal part of the finger. Once you have reached an optimal fit you should trim the fingertip part to keep the tactile surface free.

Caring instructions

The NRX® strap can be washed in 40 degrees machine wash with a liquid detergent. Always use a laundry bag. Remove the hook parts before washing and let air dry.