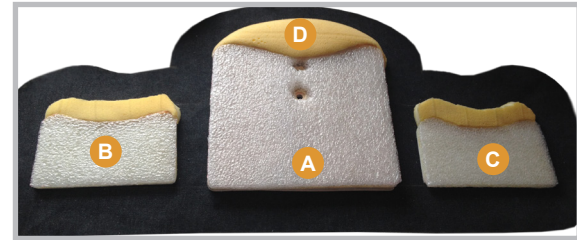


BACK SUPPORT



MATERIALS

- A** Wood (20mm thick)
- B** Polyethylene (5mm thick)
- C** Poliflex/foam (10mm thick)
- D** Sponge (30mm thick)
- E** Jean fabric
- F** Border fabric
- G** Thread
- H** Lariat and velcro (1")
- I** Buckles
- J** Aluminum tube (1")
- K** Bike Stem
- L** Bolts and nuts
- M** Washers/spacers
- N** Contact cement

HOW TO FABRICATE

- 1** Cut a piece of wood (22x20cm) and give it the shape of the image (the size will vary according to the child; this is a medium size back support).
- 2** Drill 2 holes on the center of the wood piece 1.5cm below the center and 4cm apart.
- 3** Cut three small pieces of polyethylene plastic (16x9cm).
- 4** Cut foam pieces for the wood and plastic pieces and glue them with contact cement.
- 5** Cut 3 sponge pieces as shown in the image and glue them to the wood and plastic pieces.
- 6** Assemble the side and center pieces onto the jean fabric leaving 4cm between each other and 6cm all around, and draw a contour of the assembly onto the jean fabric. Cut 2 pieces.
- 7** Sew the jean fabric pieces leaving the bottom open.
- 8** Cut 2 pieces of lariat (40cm) and put it together with the buckles. Sew the pieces on one side of the jean fabric.
- 9** Insert the wood and plastic pieces into the jean fabric, sew the jean fabric leaving the center open.
- 10** Cut 1 piece of soft & hard velcro (32cm) and sew it to the center of the jean fabric, so that it can be opened/closed.
- 11** Sew the border of the jean fabric with the border fabric.
- 12** Cut a smaller piece of jean fabric for the front plastic piece (16x9cm). Cut a small lariat piece (7cm) and sew it on the center of the jean fabric to allow the larger piece of lariat to go through. Insert the plastic piece inside the jean fabric and sew all around. Add the border fabric.
- 13** Cut a small piece of aluminum tube (approx. 20cm) and drill two holes, same size and spacing as the wooden piece holes.
- 14** Put the tube and wood piece together with bolts and nuts (add washers/spacers if needed).
- 15** Slide the tube into the bike stem and fit it onto the gait trainer.