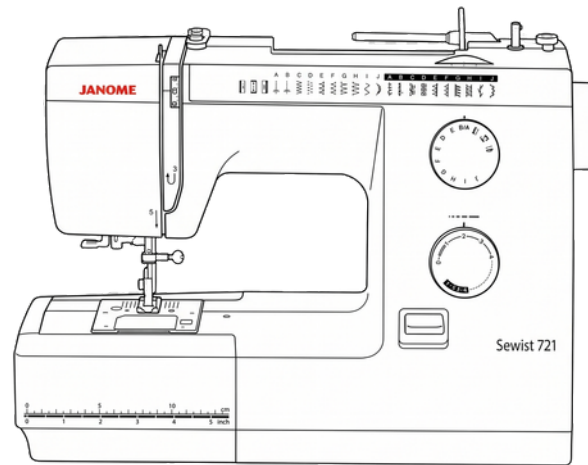
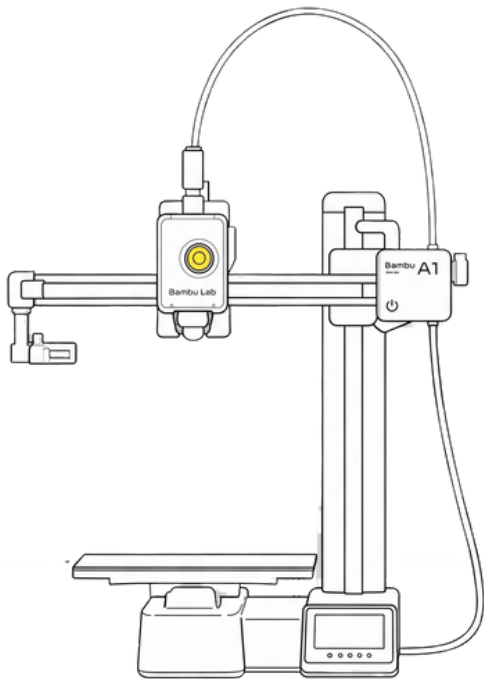




Adis Legrest Closer

How to make your own:

Equipment



	Description	Amount
	<u>3d filament PLA</u>	155 grams
	<u>6mm Diamond Braid Rope</u>	148 cm
	<u>Velcro 20 mm</u>	16 cm of each side of the velcro
	<u>Sewing thread</u>	As much as needed
	<u>Webbing strap 25mm</u>	206 cm
	<u>Binding 22mm</u>	220 cm

Key

Fold



stitch



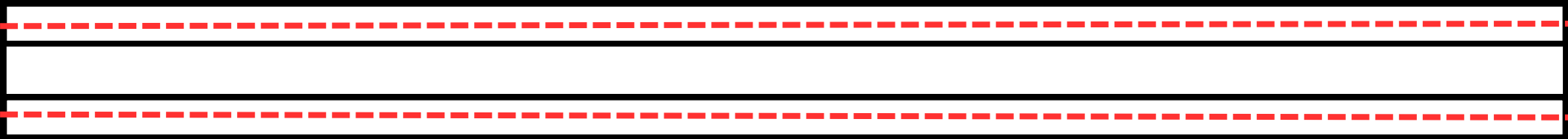
cut



Stage 1

	size	Amount
Strap	110 cm	1
Binding	220 cm	2

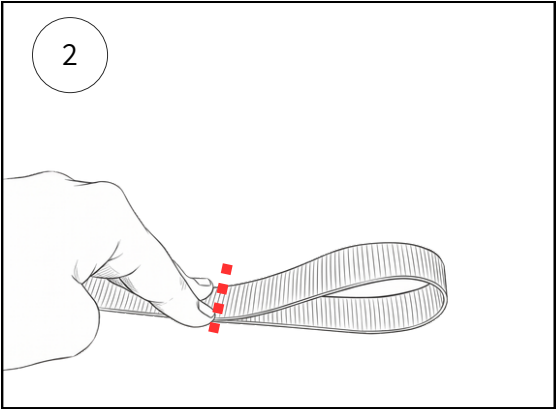
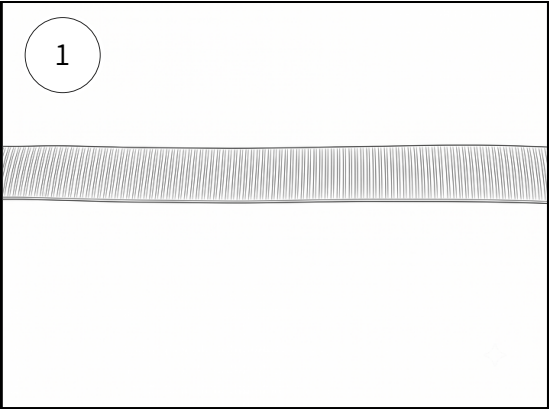
Fold the binding over the edge of the strap. Sew down the entire length, then repeat the process on the other side. like shown in the photo



Stage 2

	size	Amount
strap and binding	106 cm	what we made last step

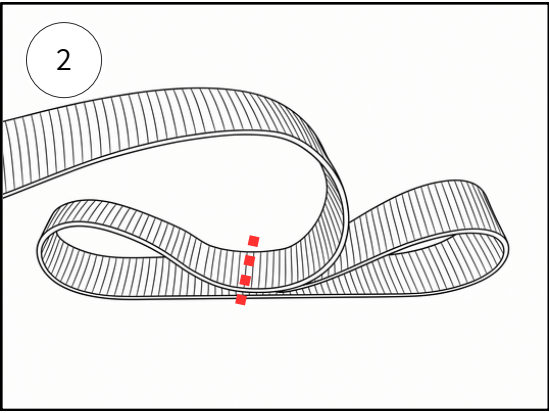
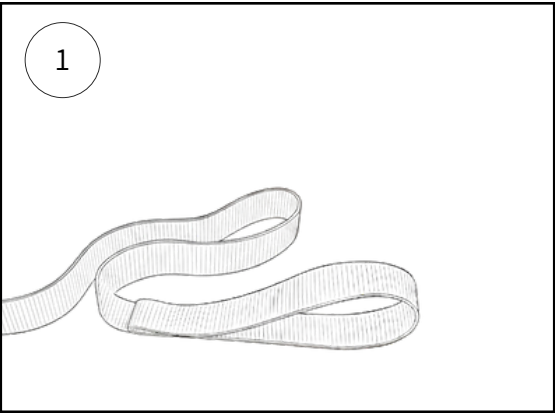
Measure 16 cm from the end of the continuous strap, fold it back to form a loop, and sew the overlapping sections together.



Stage 3

	size	Amount
strap and binding	106 cm	what we made last step

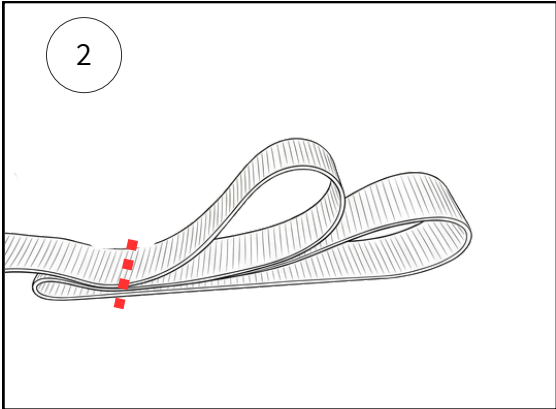
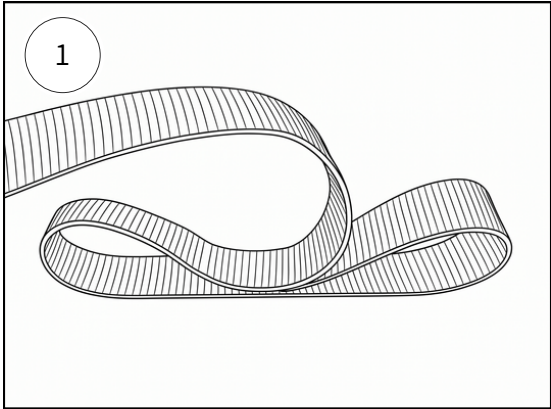
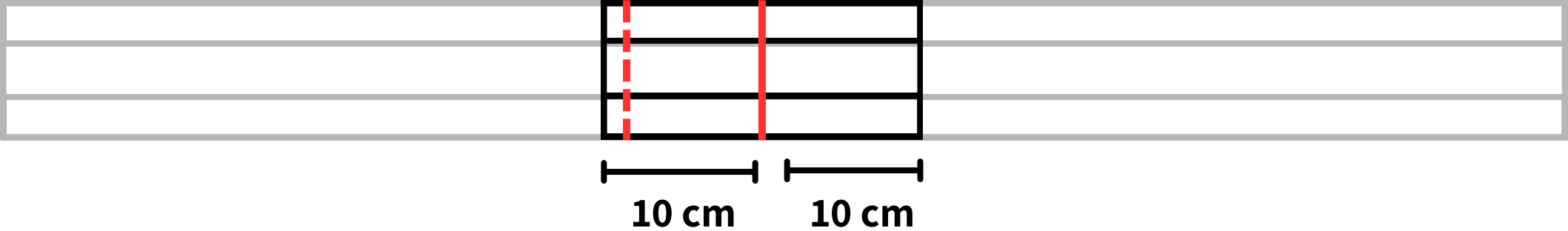
Measure 20 cm from the end of the last loop, fold it back to form a loop opposite to to the current loop , and sew the overlapping sections together.



Stage 4

	size	Amount
strap and binding	106 cm	what we made last step

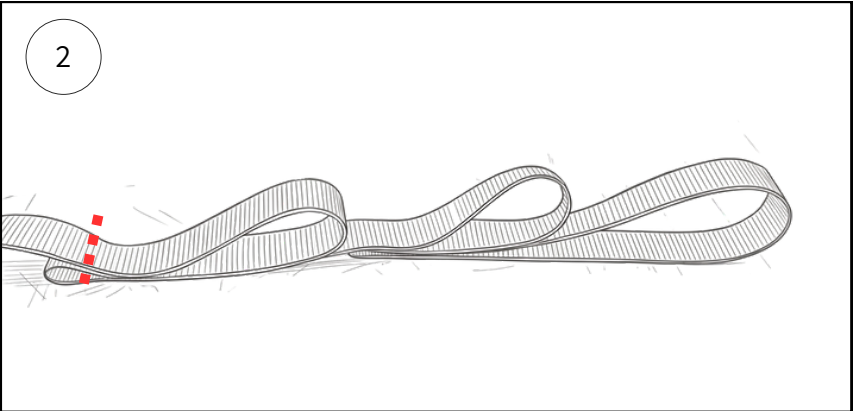
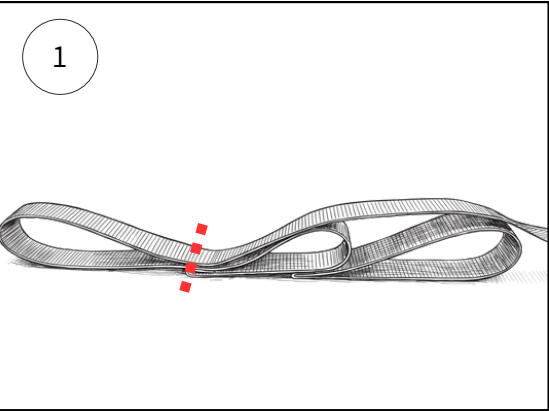
Measure 20 cm from the end of the last loop, fold it back to form a loop opposite to to the current loop , and sew the overlapping sections together.



Stage 5

	size	Amount
strap and binding	106 cm	what we made last step

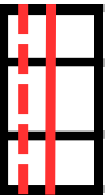
Measure 24 cm from the end of the last loop, fold it back to create an opposing loop, and sew the overlapping sections securely together. Next, measure 20 cm from the end of this new loop, fold that section in half, and sew its ends together to finish.



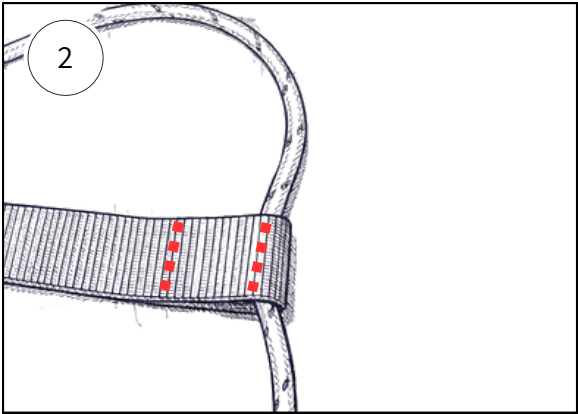
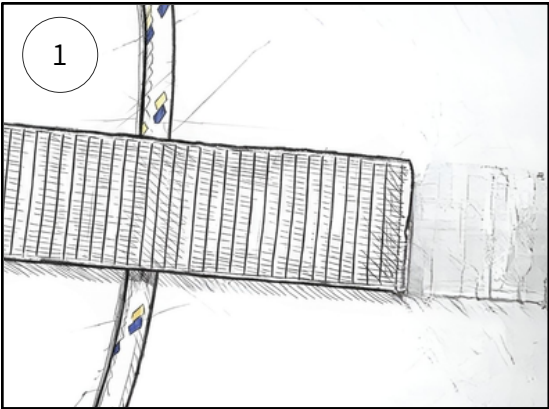
Stage 6

	size	Amount
strap and binding	106 cm	what we made last step
braided rope	148 cm	1

Take the remaining strap and position it with the loop facing up, then place the rope underneath it. Fold the strap over the rope and sew the strap together, adding extra stitches directly onto the rope to ensure it stays securely in place.



3 cm3 cm

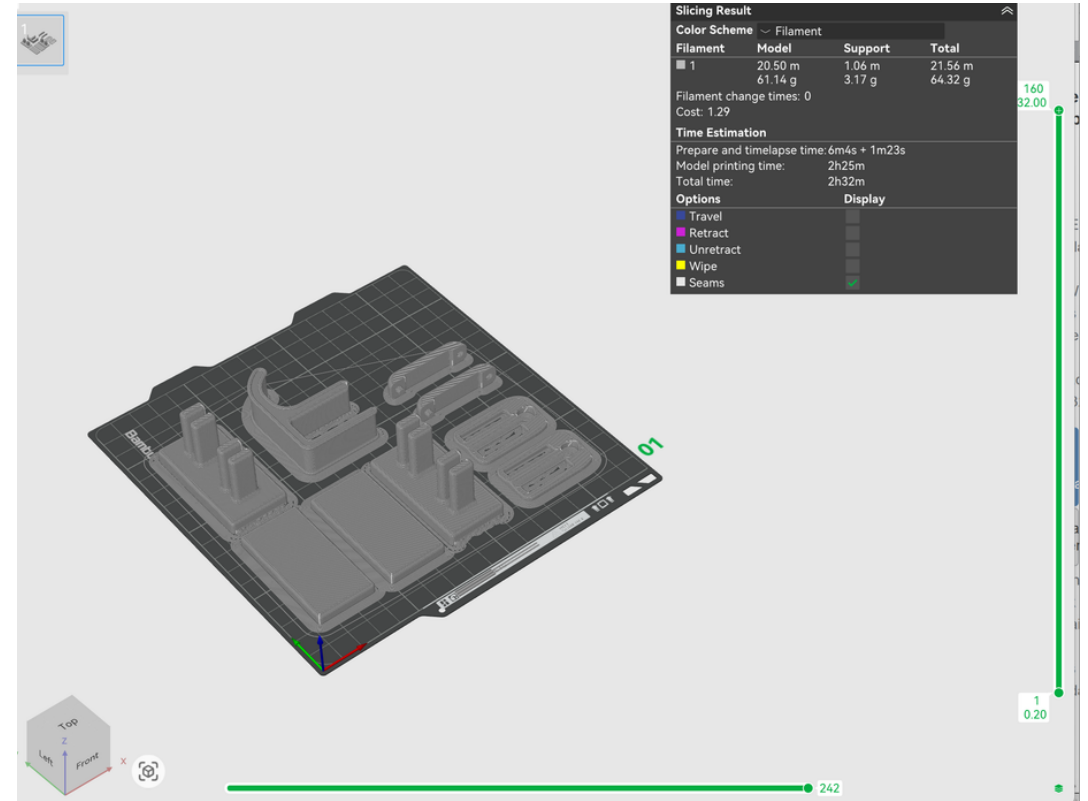
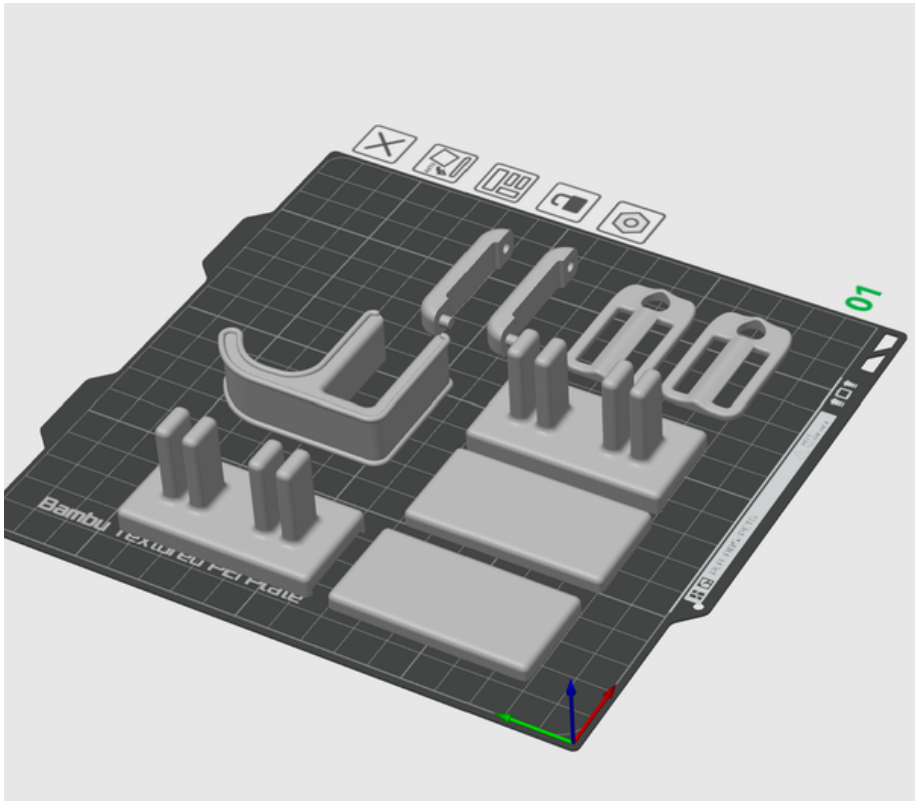


Stage 7

	size	Amount
3d filament	155 grams	1

Print the following pieces (download from the instructables page) according to the settings that are written in the next 2 pages

name of the file	Amount of copies
Buckle	2
Strap	2
Stopper	2
Vav	1
Smooth Slide	1



Sparse infill

Sparse infill density

50 %

Fill multiline

1

Sparse infill pattern

Grid

Length of sparse infill anchor

400% mm or %

Maximum length of sparse infill anchor

20 mm or %

Bed adhesion

Skirt loops

1

Skirt height

1 layers

Brim type

Outer and in...

Brim width

5 mm

Brim-object gap

0.1 mm

Support

Enable support

☒

Type

tree(auto)

Style

Tree Organic

Threshold angle

30 °

On build plate only

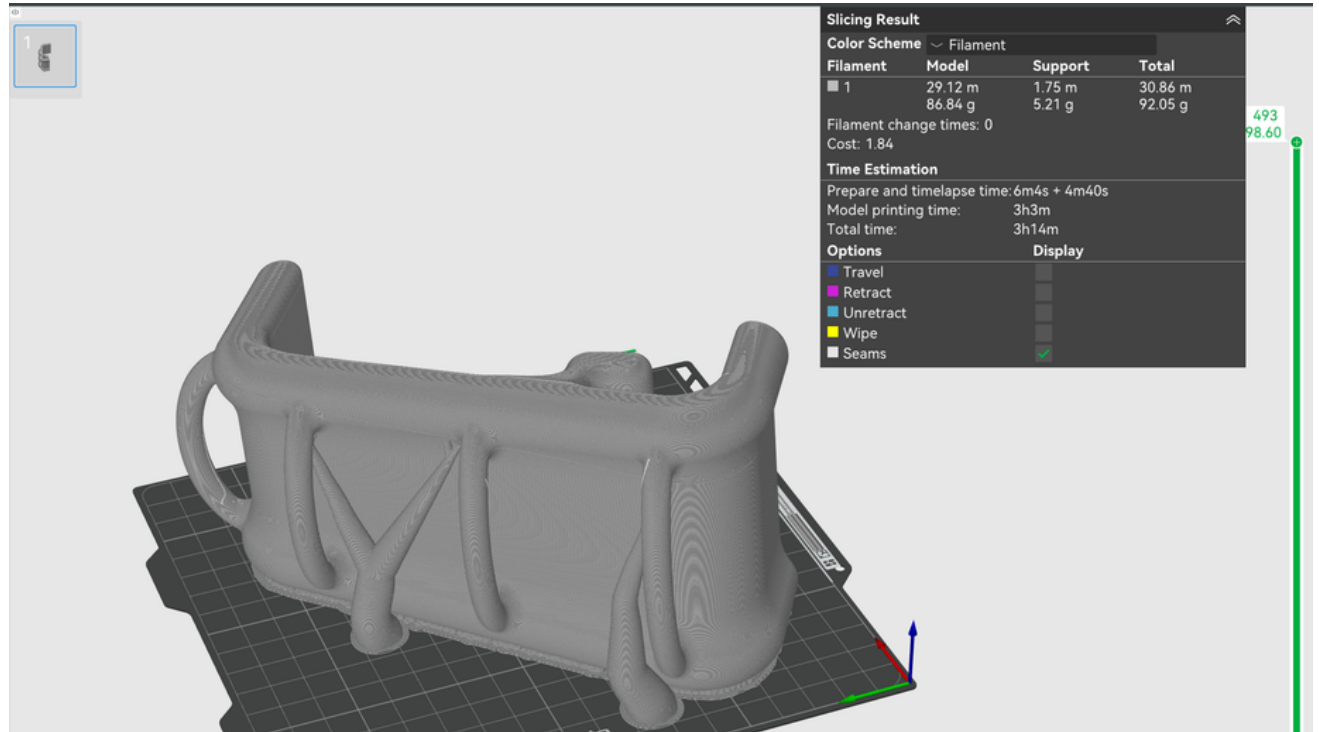
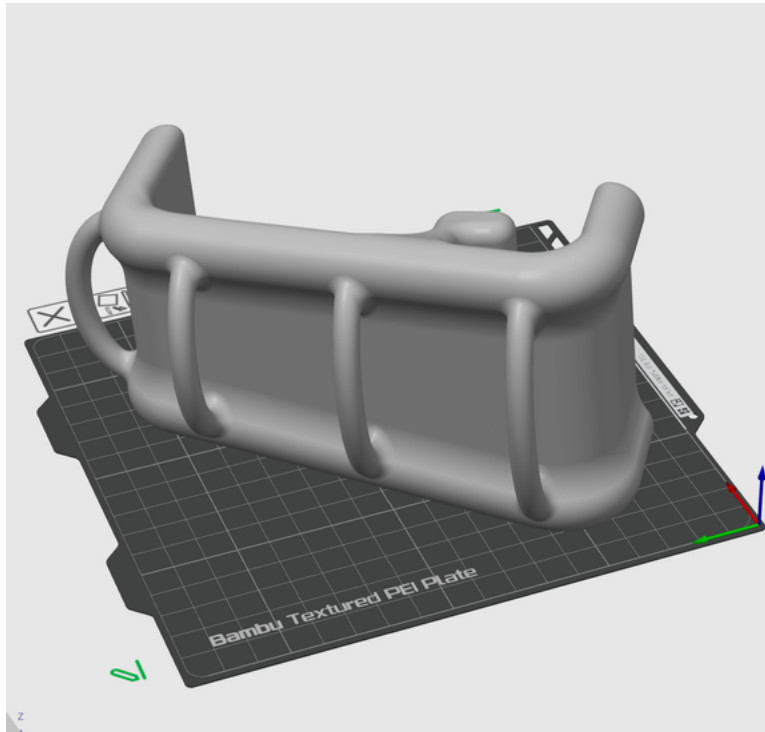
☐

Support critical regions only

☐

Remove small overhangs

☒



Sparse infill

Sparse infill density %

Fill multiline

Sparse infill pattern

Length of sparse infill anchor mm or %

Maximum length of sparse infill anchor mm or %

Bed adhesion

Skirt loops

Skirt height layers

Brim type

Brim width mm

Brim-object gap mm

Support

Enable support ☒

Type

Style

Threshold angle °

On build plate only ☐

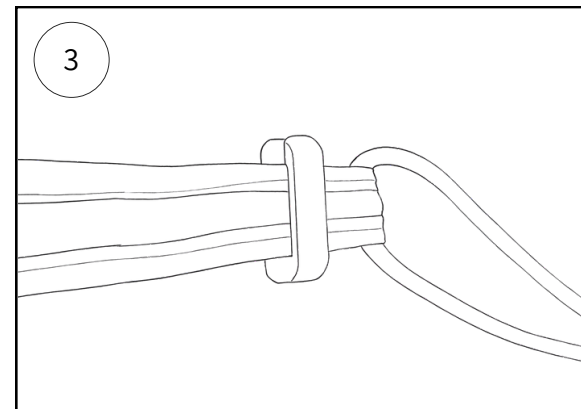
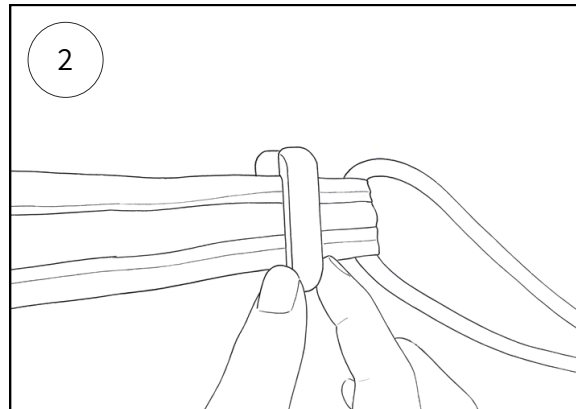
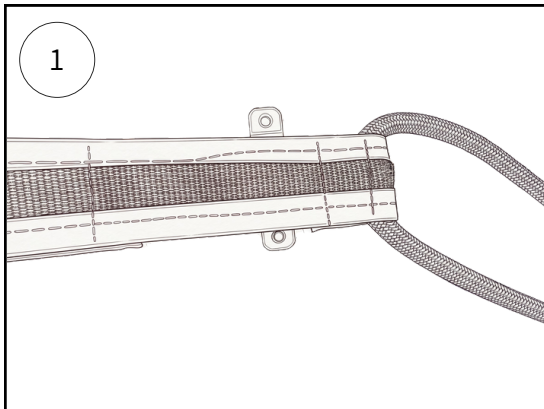
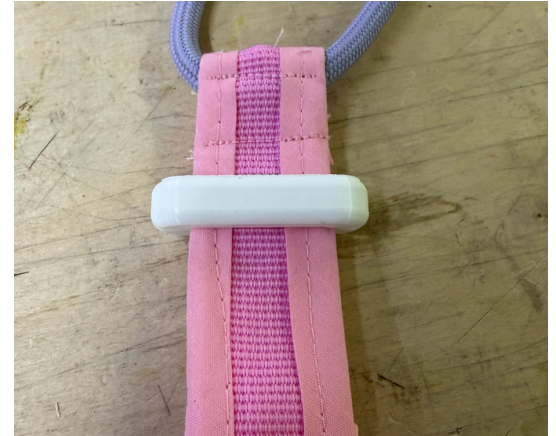
Support critical regions only ☐

Remove small overhangs ☒

Stage 8

	size	Amount
strap and binding	206 cm	what we made last step
3D print of Stopper	-	2

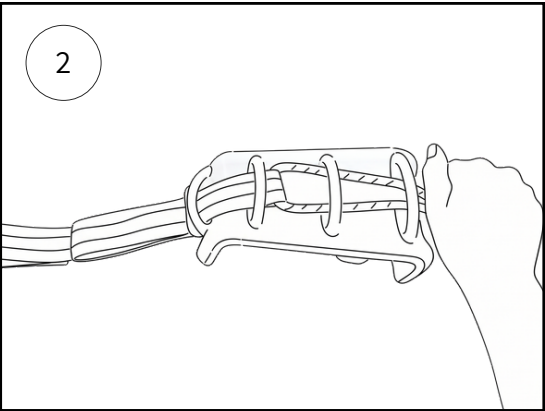
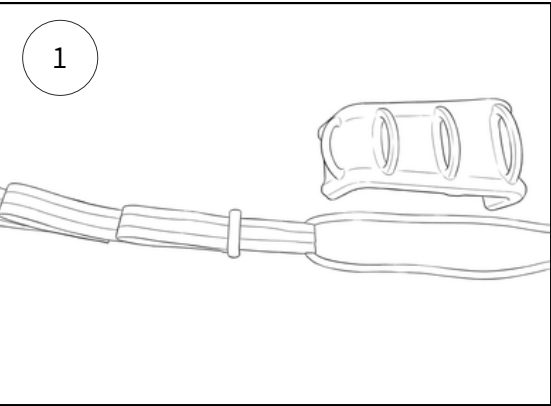
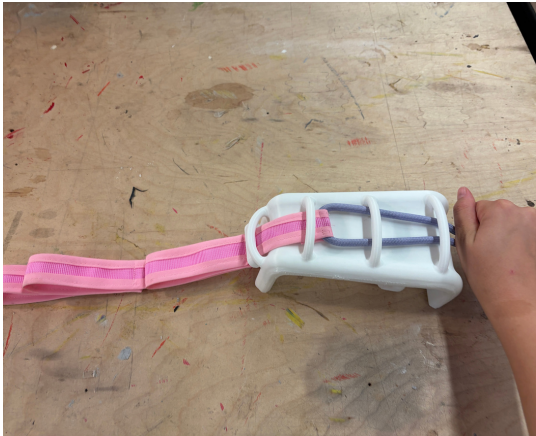
Take the 3d print named Stopper and attach it to the strap just above the last stiches you did.



Stage 9

	size	Amount
what we made until now	-	-
3D print of Smooth slide	-	1

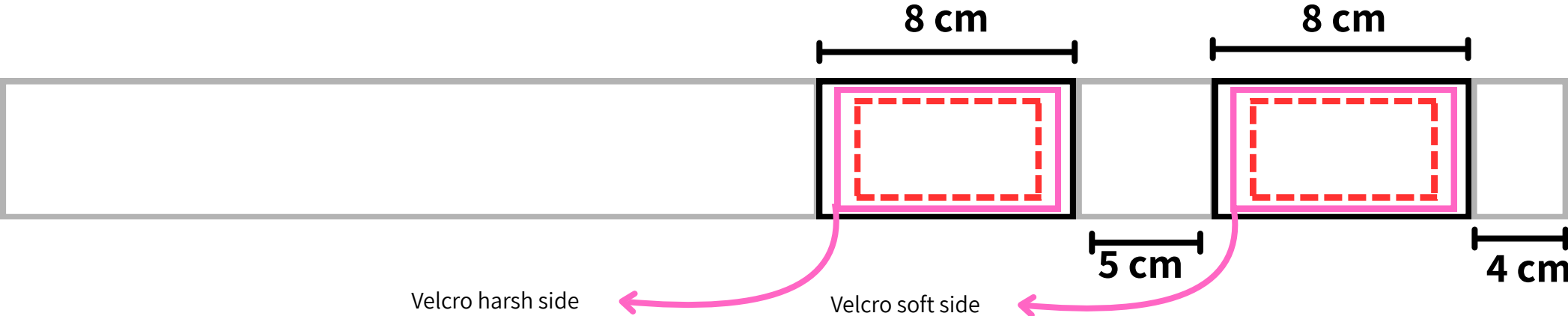
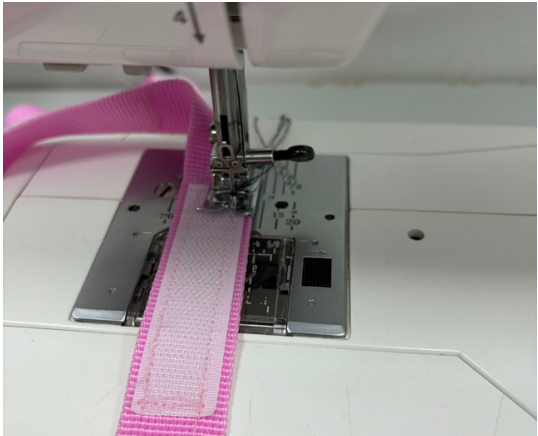
Take the straps and pull the rope through the slots of the slide until the stopper prevents it from passing any further.



Stage 10

	size	Amount
Strap	50 cm	2
velcro	8 cm of each side	2

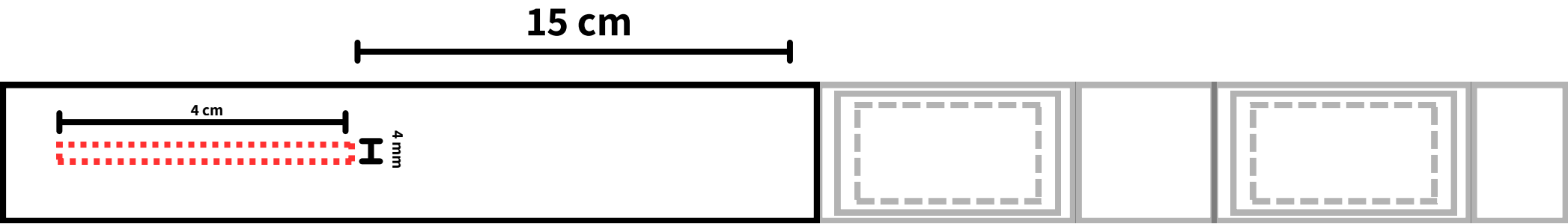
Take the first strap, measure 4 cm from the end, and place an 8 cm piece of soft Velcro there, sewing securely along all the seams. Next, measure another 5 cm from that point, position an 8 cm piece of rough Velcro, and sew all along those seams as well. Repeat this entire process for the second strap and remaining Velcro pieces to complete the pair.



Stage 11

	size	Amount
Strap	-	2
velcro	8 cm of each side	2

Take the first strap, measure 4 cm from the end of the rough Velcro, and make a cut measuring 4 cm by 4 mm.
Do the same to the second strap.



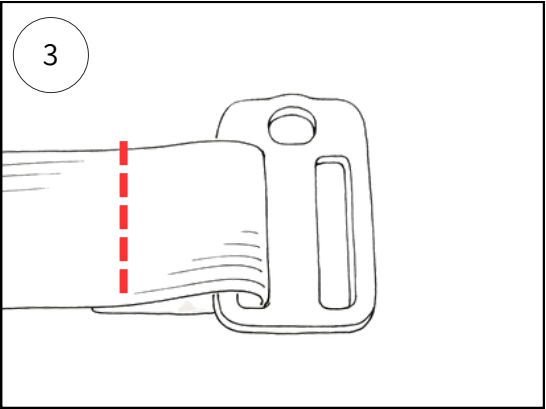
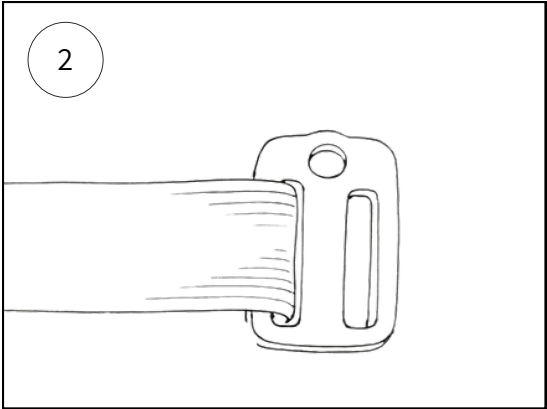
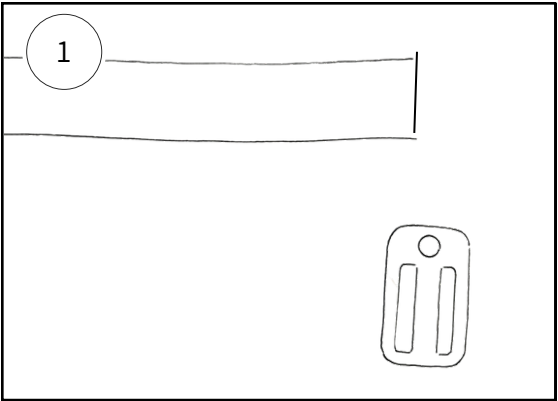
Stage 12

	size	Amount
Strap	-	2
Buckle	-	2

Thread the end of the strap through the slot of the buckle from the bottom to the top, leaving about 4 cm of strap extending past the slot. Fold this end back underneath the main strap, and sew the overlapping layers together to securely lock the buckle in place.



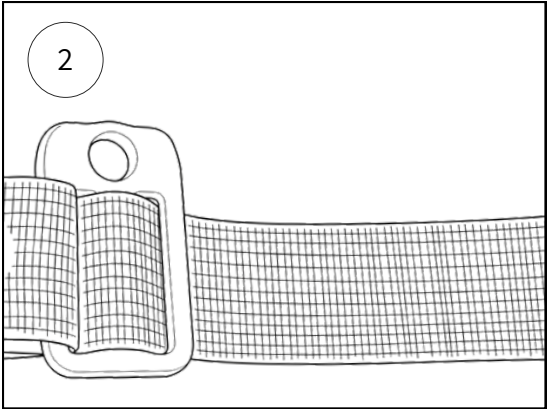
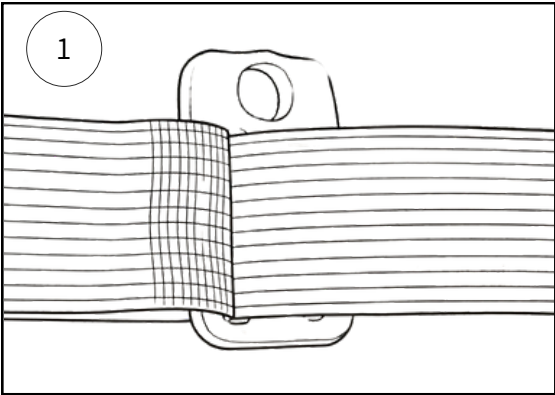
2 cm 2 cm



Stage 13

	size	Amount
Strap	-	2
Buckle	-	2

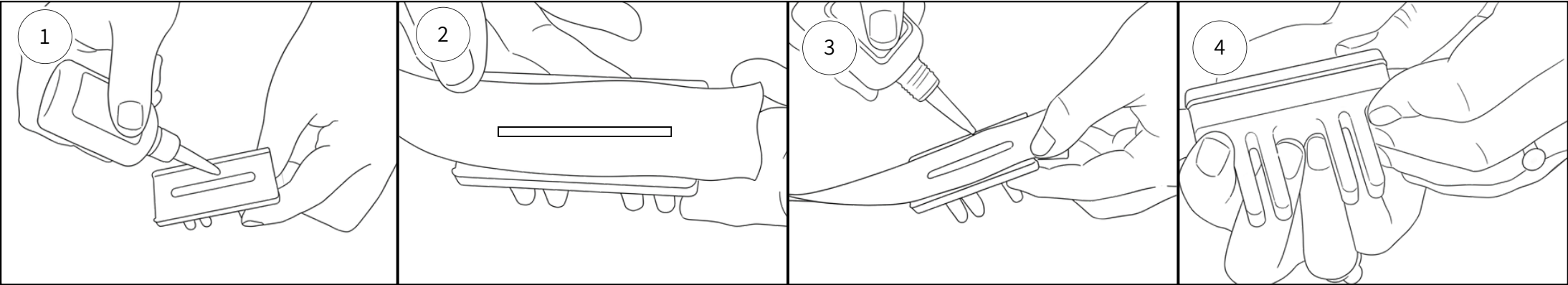
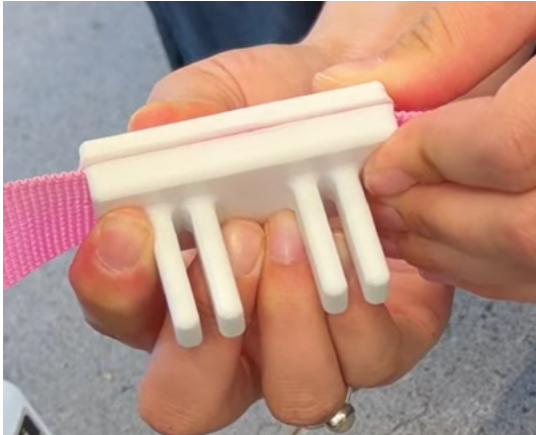
Thread the end of the strap through the same slot of the buckle from the bottom to the top, and pull it over and through the other slot to make a loop (like shown in number 2).
Repeat with the second strap.



Stage 14

	size	Amount
Strap	-	2
3D print "strap"	-	2

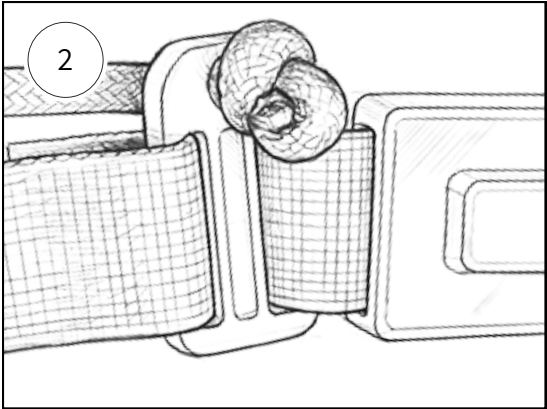
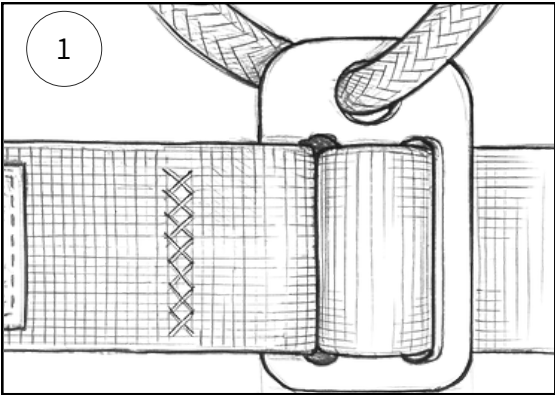
Take the 3D-printe labeled "Strap" and apply glue to the bottom piece. Slot this bottom piece into the pre-cut hole in the fabric strap, secure it with a bit more glue on top of the strap, and press the top piece in place . Allow the glue to dry completely before connecting the to the legrest. Repeat this entire process for the second strap.



Stage 15

	size	Amount
Strap	-	2
Buckle	-	2

Thread the end of the rope through the small hole in the buckle and tie it securely in place. Make sure the buckle is oriented so that this hole faces outward, away from the leg rest.



Assembly to the chair



Take small table
off the the big
table



Slide the slide to the
middle of the big
table

Assembly to the chair



Slide the small table back to its place.



Connect the 3d peice named Vav to the edge of the small table to hold the loops in place.

Assembly to the chair



Put the middle loop on the top of the loop holder.



Open the loop of the connector of the leg rest and slide it through until the pipe of the legrest

Assembly to the chair

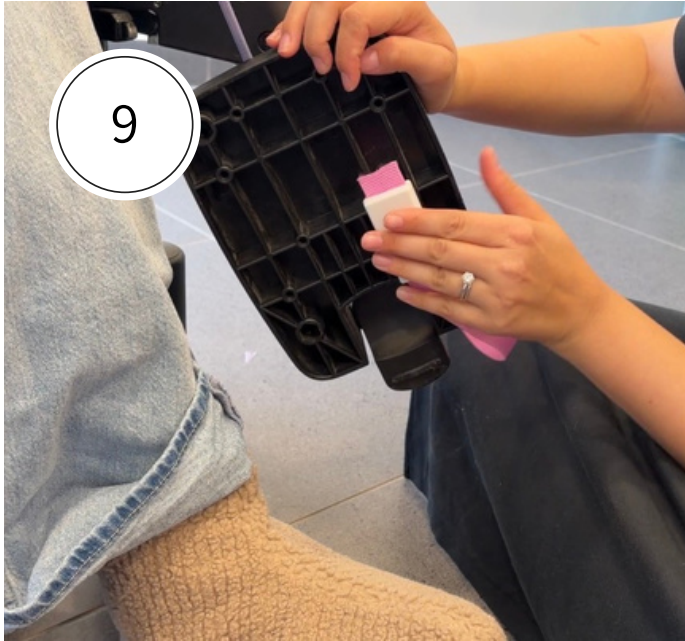


Secure it in place by pulling the strap as tight as possible.



To make sure its secure in place make sure the Velcro are attached together.

Assembly to the chair



Flip the legrest up and click the safety strap to the bottom of the leg rest.



You are now ready to go!