

PERDELLE®

CONCEPTEUR DE SIMPLICITÉ

USER MANUAL PERDELLE-SWAN C



Image 1

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1. IMPORTANT

READ THIS MANUAL COMPLETELY BEFORE ASSEMBLY.

- The user assumes responsibility if Perdelle Swan is not used for its intended purpose.
- Perdelle Swan and its accessories must be assembled by a technician. In the event of breakage, damage or falling of the equipment due to improper assembly, only the technician shall be held responsible and Perdelle cannot be held liable. In case of doubt, the technician must contact Perdelle.
- Do not modify the Perdelle Swan device.
- The seat to be equipped must be original and must not have been modified. Any seat modified before or after installation voids the Perdelle warranty.

Check the assembly after a few hours of use, then once a week for 2 weeks, then regularly once a month.

- Install and remove the arm supports only when seated.
- Perdelle Swan is not a handle! Do not pull on it to move the chair.
- During use, ensure that in both high and low positions of the seat, no element collides with Perdelle Swan or the working environment.
- Wood components must be assembled with clean hands.
- Check the dimension below to ensure installation compatibility (dimension common to most gas-lift chairs).



2. PACKAGING – WEIGHT – DIMENSIONS

1 box approximately 4.5 kg

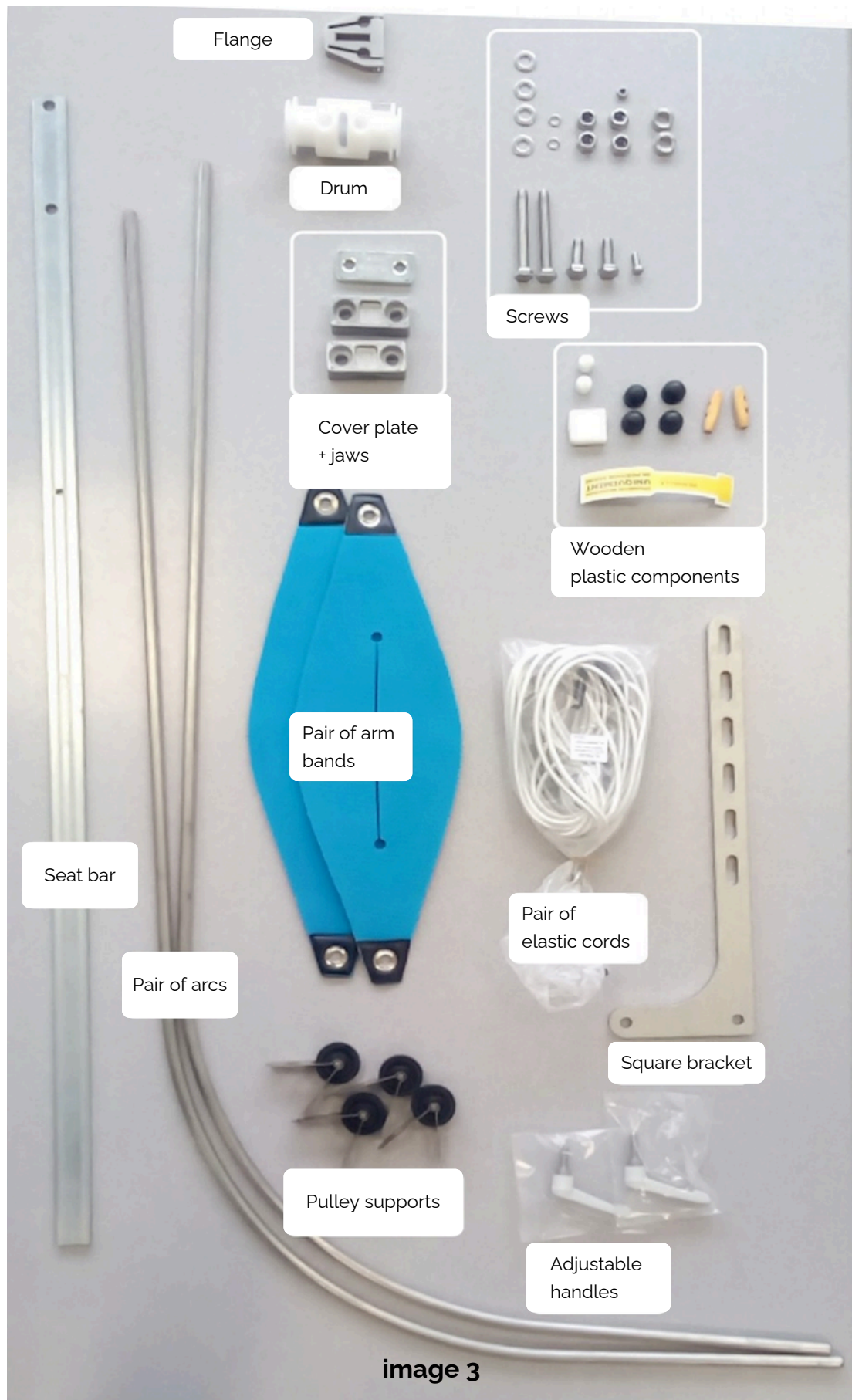
1 pair of arcs approximately 2.5 kg



← 110 cm →



3. PART NAMES



4. ASSEMBLY

Assembly must be carried out by a technician.

Tools required :

- 2 Allen keys (2.5 and 3)
- 2 x 10 mm wrenches
- 2 x 17 mm wrenches
- Cutting pliers
- Lighter
- Tape measure
- Colored marker



Image 4. Raise the seat to its highest position to facilitate assembly.

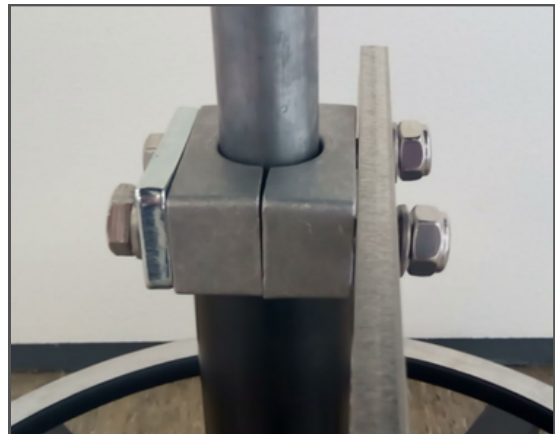


Image 5. Using the 80 mm screws and 4 M10 washers, assemble the cover plate, jaws and bracket while optimizing distance X (see image 6).

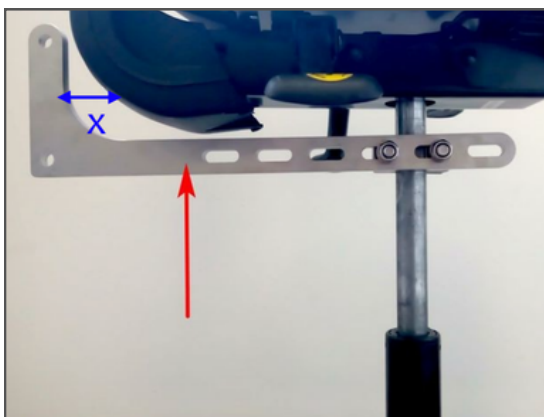


Image 6. Slide the assembly as high as possible.

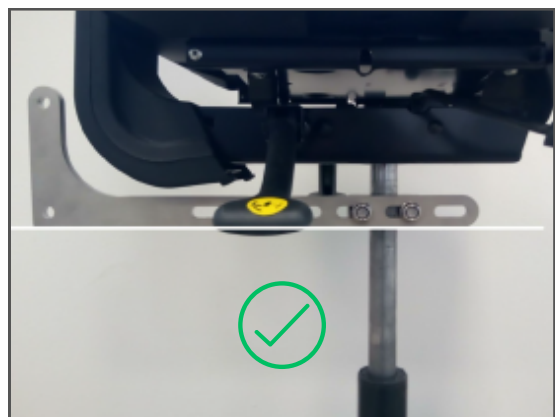
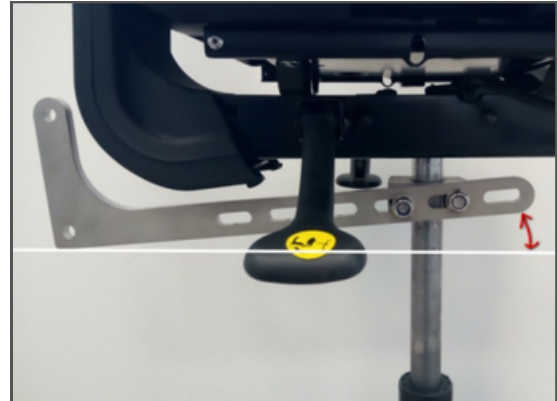


Image 7. The bracket must leave enough space behind the seat. Ensure it is horizontally aligned. Tighten the nuts.



Images 8. This position is even better.



Images 9. Incorrect angle.



Image 10. If installation is obstructed, rotate the bracket as shown.



Image 11. Adjust pulley supports so that the arm supports align vertically with the elbows, in a plane parallel to the backrest.



Image 12. Fix the seat bar to the vertical end of the bracket using 2 M10x30 screws and nuts.



Image 13. Install the 4 nut covers.



Image 14. Tighten the M6x16 screw.



Image 15. Slide the drum with holes facing backwards.



Image 16. Insert washers into both holes, ensuring they are flat.

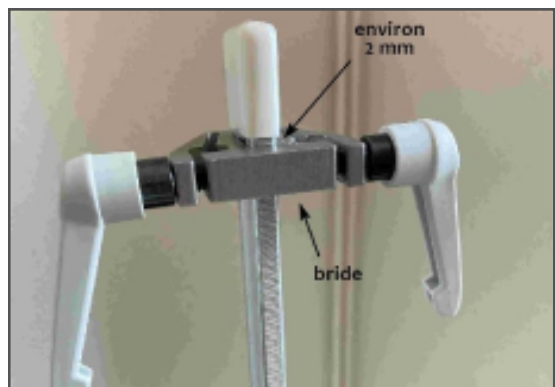


Image 17. Slide the clamp bracket, flat side toward the backrest. Fully insert the white cap and raise the bracket by 2 mm. Tighten to 8 Nm. Screw handles without tightening.

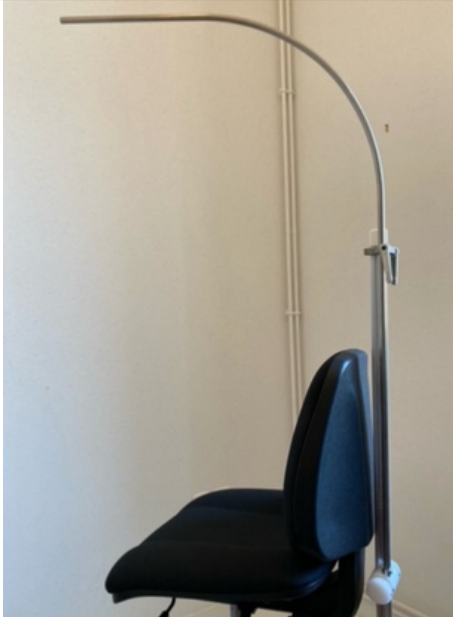


Image 18. Insert one arc through the bracket into the drum hole, passing a ring (see image 20). The arc must rest at the bottom.



Image 19. Do not tighten the ring yet.



Image 20. Insert the second arc and second ring.



Image 21. Raise rings to the bracket and tighten. They prevent arcs from coming out.



Image 22. Pinch pulleys and slide them approximately into position.

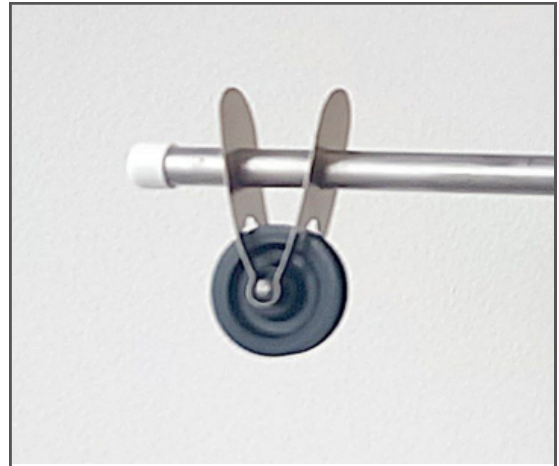


Image 23. Place a small white cap on each arc.



Image 24. Final view of barrel button on elastics.

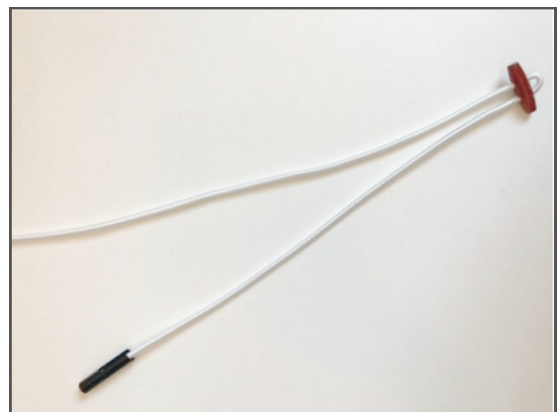


Image 25. Slide the barrel button approx. 40 cm from the tip.



Image 26. Pass the white end through the loop.

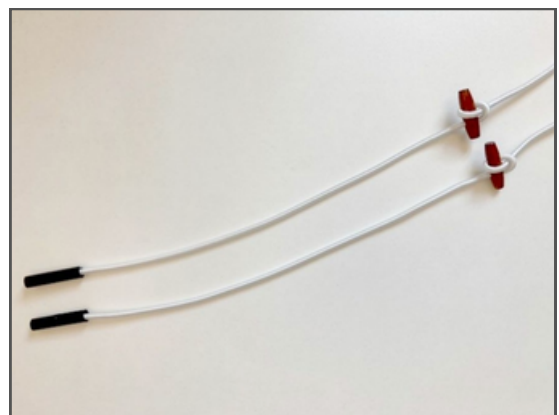


Image 27. Assembly is ready.

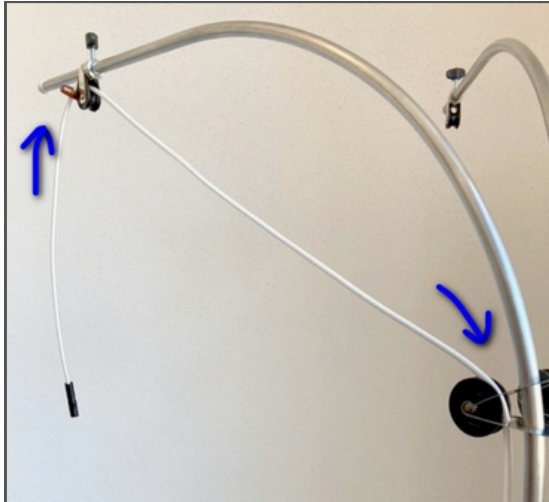


Image 28. Pass elastics through pulleys, barrel buttons against pulleys.

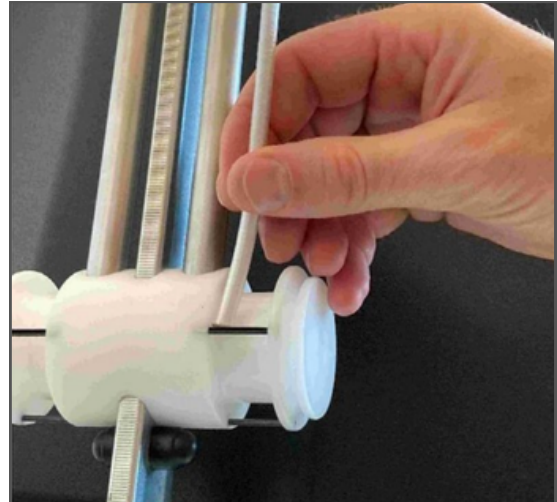


Image 29. Pass elastics through first pin.

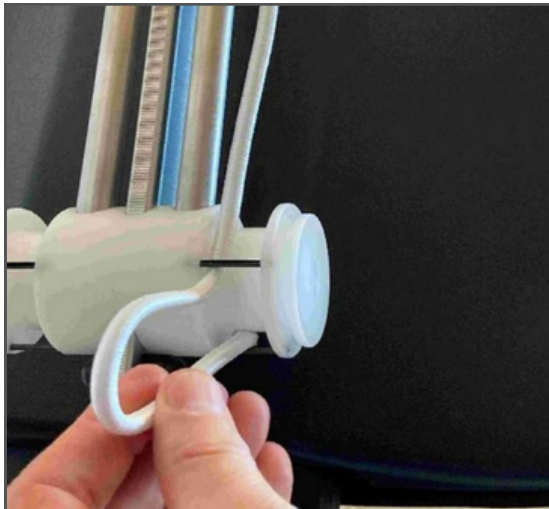


Image 30. Then through second pin below.



Image 31. Make 2 full turns (do NOT pass again through lower pin).

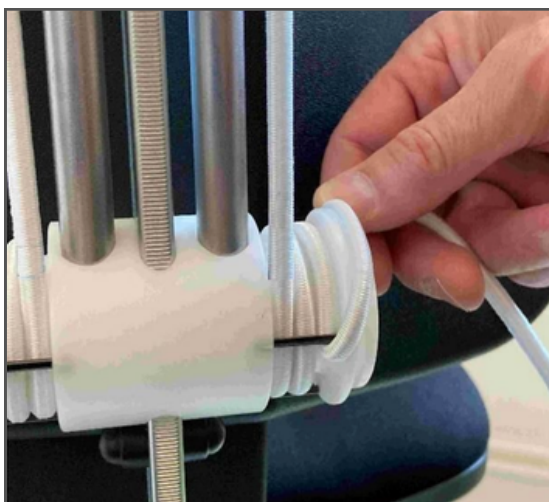


Image 32. Lock elastic into drum groove.



Image 33. Insert swivel tip into arm support eyelets.

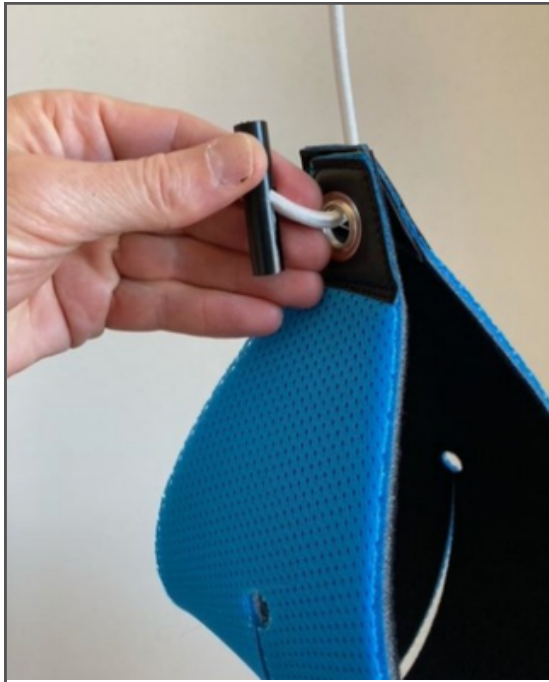


Image 34. Flip the tip. Arm support is installed.

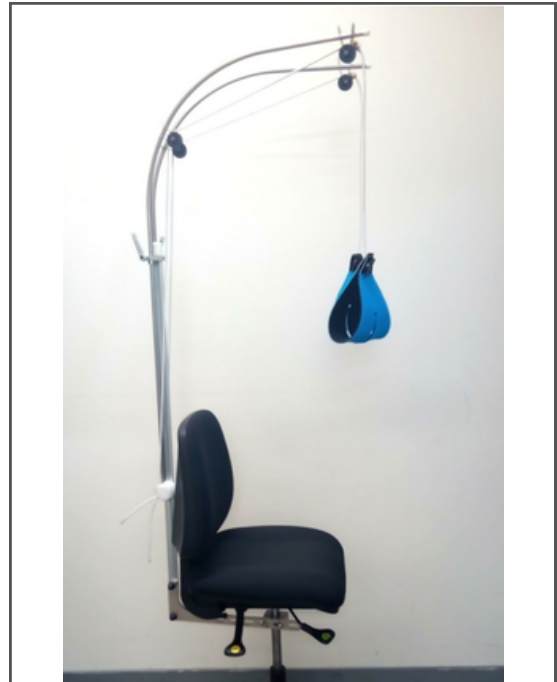


Image 35. Perdelle Swan is assembled with bracket aligned with seat axis.



Image 36. Place instruction label visibly. Product is ready for adjustment.

5. PULLEY POSITION ADJUSTMENT



Image 37.
Position front pulleys above elbow zone (elastics vertical). Use arc rotation and pulley sliding.

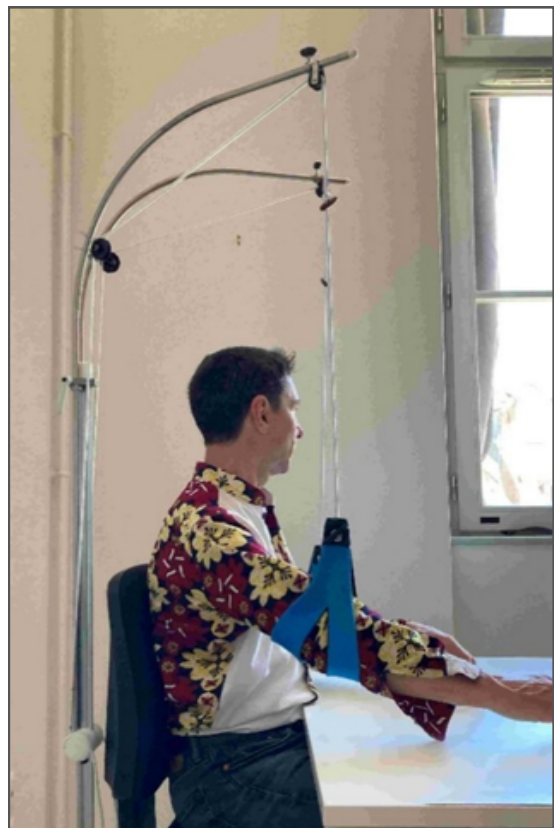


Image 38.
Illustration of correct positioning.

6. ELASTIC FORCE ADJUSTMENT

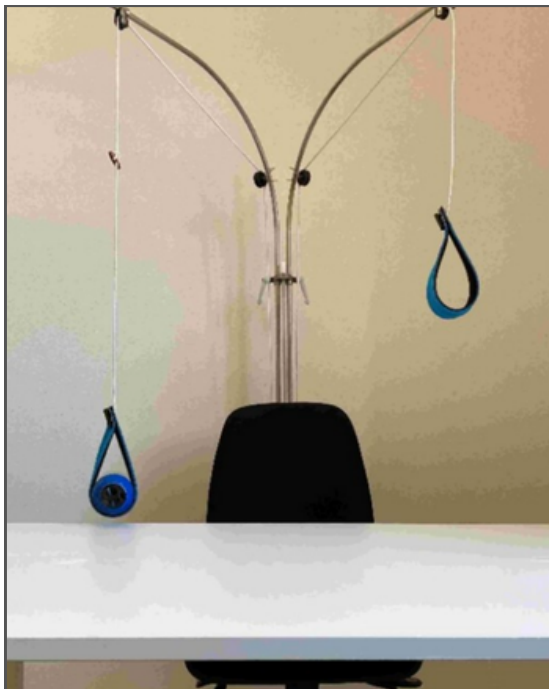


Image 39. 40 cm stretch \approx 1 kg (example with 1L water).



Image 40. Slide elastic until bottle touches work surface (see image 39), then lock in groove.

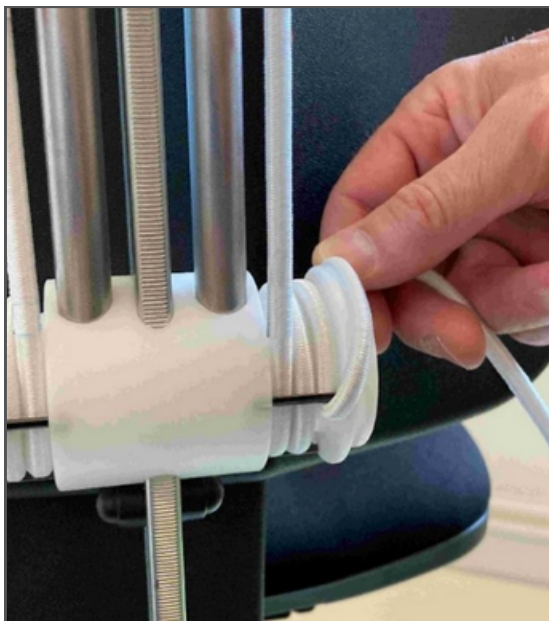


Image 41. Elastic locked in drum groove.

- Test Perdelle Swan for a few moments.
- **IMPORTANT** : Arms must not be above work surface level.



Image 42. Incorrect position.

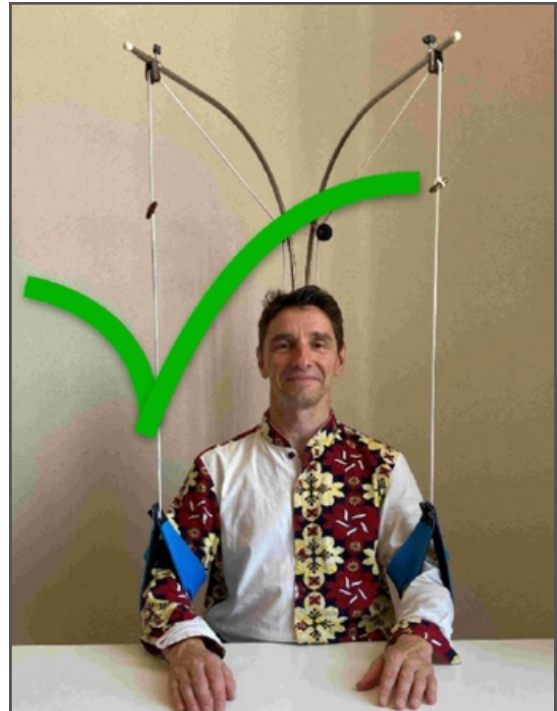


Image 43. Correct position.

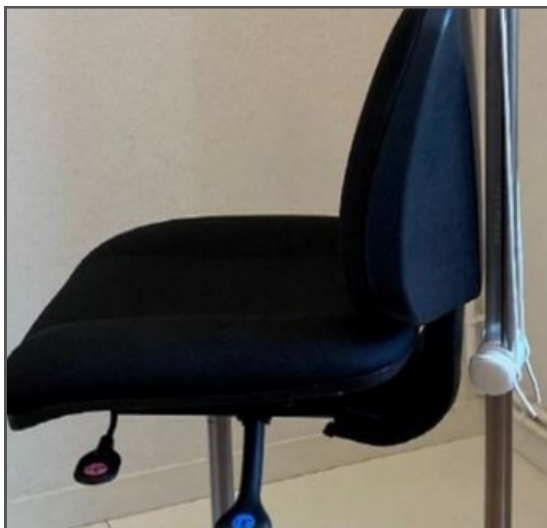


Image 44. After adjustment, elastics can be cut (~60 cm) and ends melted to prevent fraying. Ensure safety.

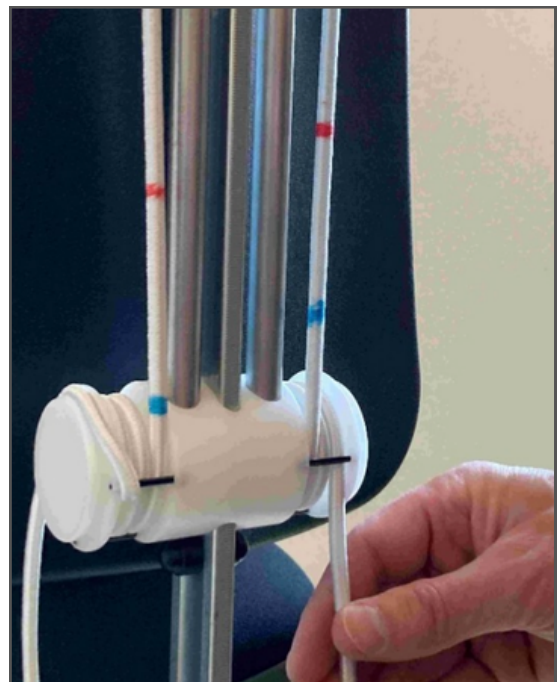


Image 45. If multiple users, mark each adjustment on elastic.

7. USE

WARNING: Install and remove arm supports only when seated. Do not use while standing.

- Perdelle Swan is not a handle. Do not pull it.
- User adapts quickly and finds optimal setting.
- Arm supports usually align with elbows. Elbow tip fits into slot to reduce sliding.
- Supports can also be positioned along forearms.
- Small ties can be used to tighten supports if needed.
- Ensure no collision with environment in high/low seat positions.
- Multiple users can each use their own pair of arm supports (2 pairs included).

8. MAINTENANCE – CLEANING

WARNING: Check assembly after a few hours, then weekly for 2 weeks, then monthly.

- Replace elastic pair if worn or damaged.
- Arm supports are machine washable at 30°C.
- No specific maintenance required. Clean with a soft cloth.
- **Do not use chemicals. Damage caused by chemicals is not covered by warranty.**