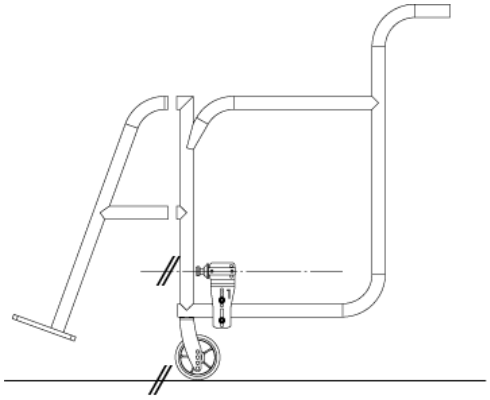
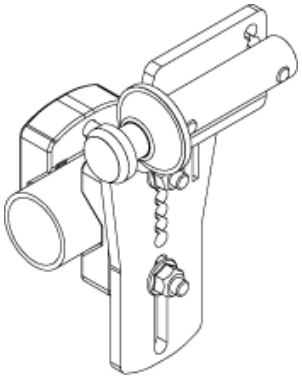
CONNECTION TYPE C

This connection is suitable for most wheelchairs with removable footrests.





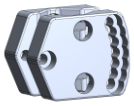
Below is a list of the most common wheelchairs compatible with the type C connection:

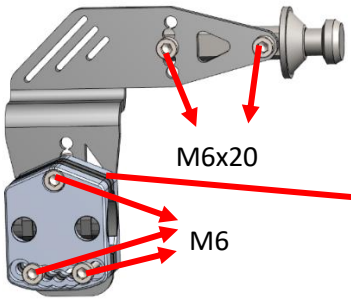
Progeo	Exelle Vario
	Basic Light
	Tekna Advance Swing
OffCarr	Alhena
	Ministar
	Vega
Ottobock	Avantgarde
	Start M2S
	Motus CV
Kushall	Compact
Moretti	Ardea One
Vermeiren	D200V
	V500
	Trigo
	Jazz
Gialdi	Ultralight
	Adaptive

Note: the list is continually updated

TECHNICAL SUPPORT: Eng. Alexander Troncone +39 3282177608

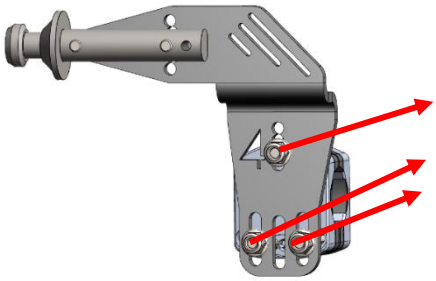
Material supplied

CODE	IMAGE	AMOUNT	NOTES
Universal Clamp 1012-26-007		**2**	
Universal clamp adapters		**2**	The size varies depending on the shape of the wheelchair tubing
Plate N. 4 1012- 126-020		**2**	
Conical Pin RTE-1006(56)		**2**	
Screws M6		**6**	The length varies depending on the size of the wheelchair tubing
Screws M6x20		**4**	
M6 self-locking flanged nuts		**6**	
Nut covers		**6**	
Spacers Inox 10mm		**8**	Supplied only in cases where there is interference (see page 5 Fig. 6c)



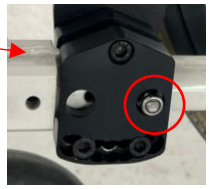
Assembly
Connection type C

Universal clamp adapters*



* Universal clamp adapters can be used except

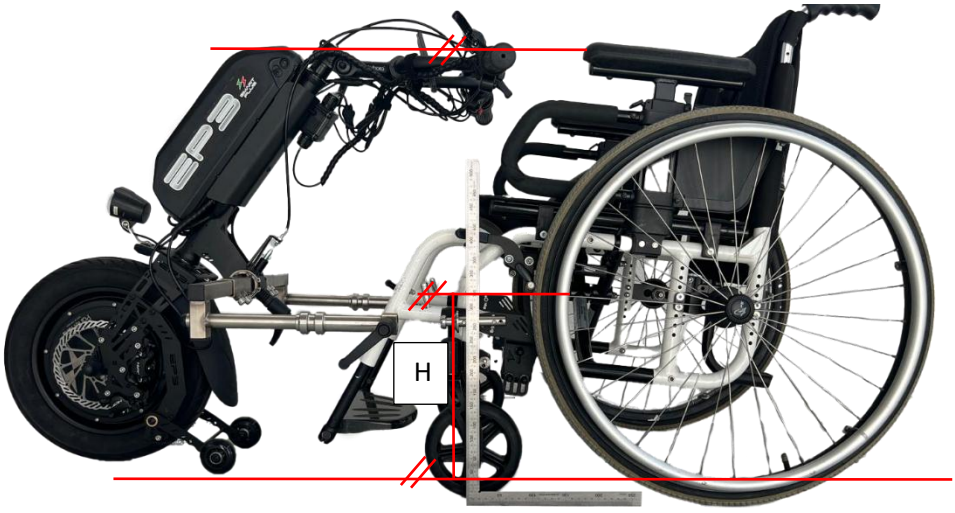
if there are nuts or screws on the wheelchair frame that could cause interference



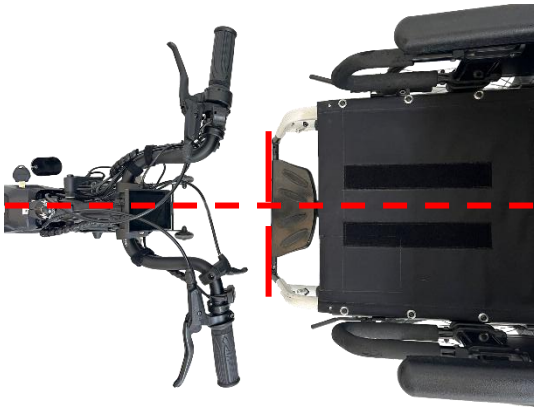
Assembly instructions

	Wheel size	Arm code	Image	Taper pin axis installation height (H)	Stand type	Photo
☐	EP3 12”/10”	Raised L 1012-147-000		29^{+1}_{-1} cm	Retractable	
☐	EP3 14”/14,5”	Straight L 1012-128-000		29^{+1}_{-1} cm	Retractable	
☐	EP3 16”	Lowered L 1012-147-000		33^{+0}_{-1} cm	Retractable	

1. For an optimal configuration: adjust the inclination of the handlebar making it parallel to the ground plane

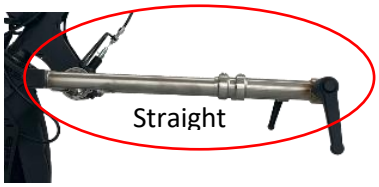


2. Set the wheelchair's parking brakes and place the thruster in front of the wheelchair with the wheel in the center of the wheelchair

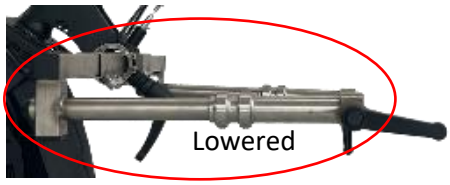


3. Insert each arm into the shaft, facing up or down depending on the EP3 model, temporarily adapting the width of the arms to the width of the wheelchair without tightening the screws on the shaft.

☐ **EP3 14”**



☐ **EP3 12”**



ATTENTION PROCEED WITH THE FOLLOWING OPERATIONS ONE SIDE AT A TIME

SIDE 1

4. Pre-assemble the Conical Pin on Plate No. 4, fitting only the front screw so as to leave its inclination free

5. Position the Universal Clamp with any Universal Clamp Adapters on the point of the frame indicated in the figure.

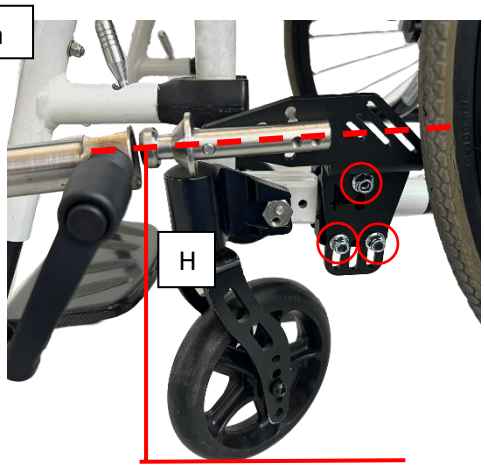
5a

5b

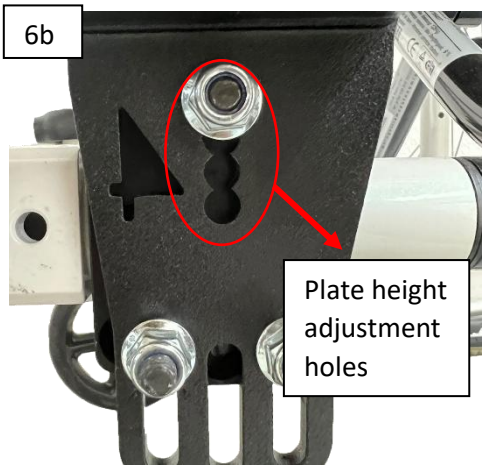
6. Mount Plate No. 4 on the clamp by lightly tightening the nos. 3 screws (Fig. 6a), one upper and the two lower placed in a mirror image (Fig. 6b), selecting the best mounting hole of plate No. 4 so that the tip of the Conical Pin is at the height H indicated in previous table; correct the height tolerance H by matching the Conical Pin perfectly with the Depth Regulator.

7. Note: In some wheelchair models it may be necessary to tilt the plate (Fig. 6c)

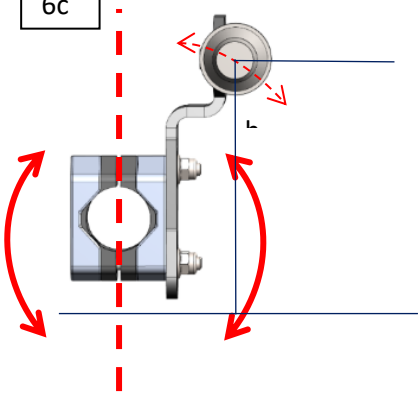
6a



6b

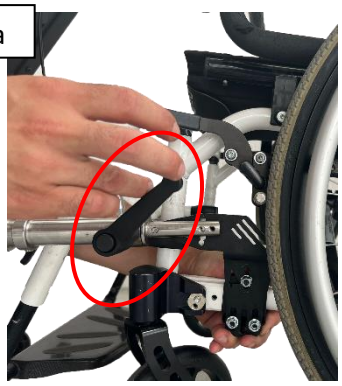


6c

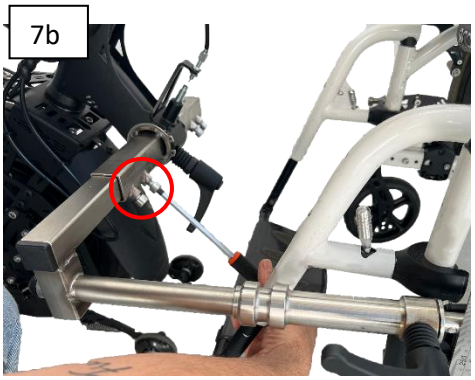


8. Insert the Conical Pin into the depth regulator and lock it slightly by acting on the Side Clamping Lever (Fig 7a). Slightly tighten the locking screws of the arms on the shaft (Fig 7b); tightening will slightly tilt the arms upwards and consequently the conical pin will vary its inclination, positioning itself in the optimal condition (Fig 7c).

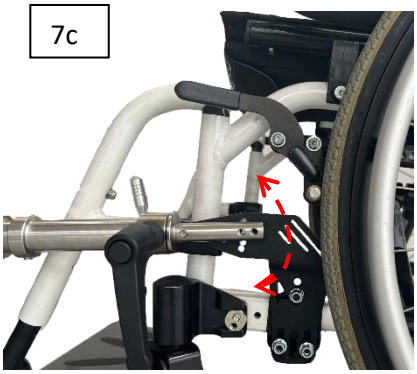
7a



7b



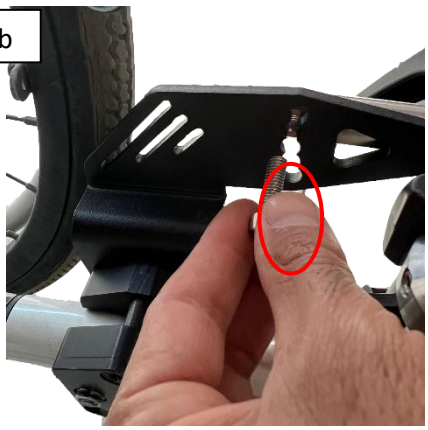
7c



9. Check that the axis of the conical pin is parallel to the ground plane (Fig. 8a), then insert the second screw into the hole corresponding to the resulting inclination (Fig. 8b). Note a small tolerance of +/- 1cm is allowed. **ATTENTION In the absence of parallelism, the best compromise is the tip pointing slightly downwards**

8a

8b

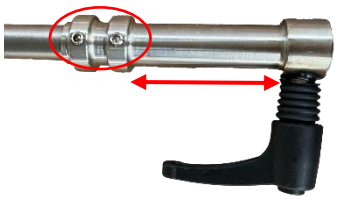


10. Unscrew the lateral tightening lever and check that the Conical Pin enters and exits the depth regulator freely, moving the thruster closer and further away.

11. **SIDE 2** Perform the steps from No.4 for the opposite side.

SIDES 1 e 2

12. Check that the width of the arms is the same on each side. Then tighten the shaft screws with a tightening torque of 12Nm.

13. Unscrew the side tightening levers and check that both conical pins enter and exit freely from the respective depth regulators, moving the thruster further away and closer. **Then tighten the clamp screws with weighting (5-12 Nm), taking care not to damage the wheelchair tubing.**

14. If necessary, act on the dowels of the depth regulator to adjust the distance of the handlebar from the user, moving the regulator closer or further away along the arm, then tighten with a tightening torque of 12Nm.