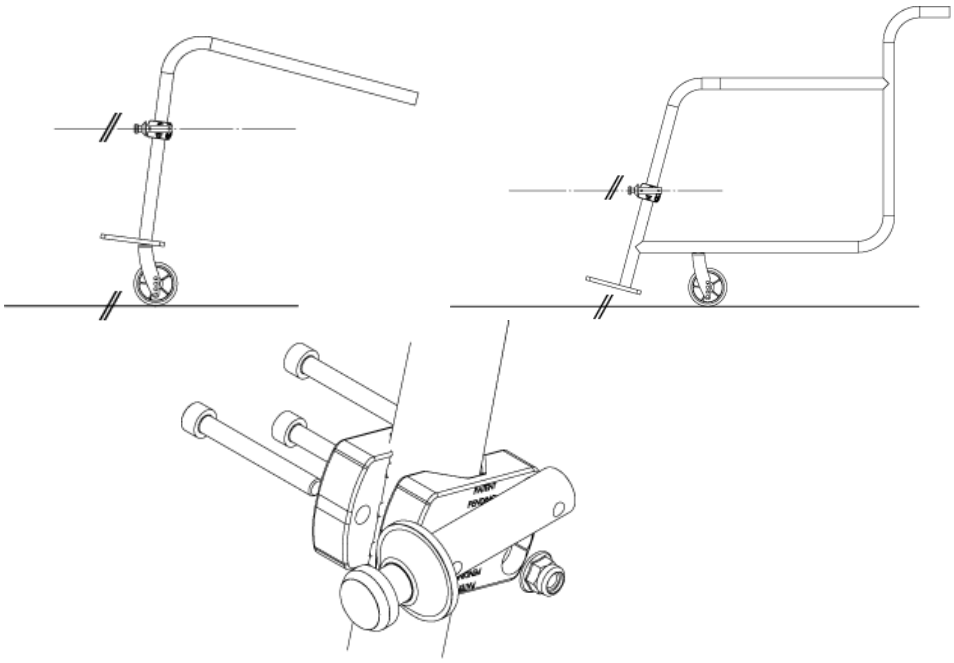
CONNECTION TYPE B

This connection is suitable for most wheelchairs with straight, inclined, closed or folding fixed frames and with fixed or lifting footrests.



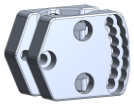
Below is a list of the most common wheelchairs compatible with type B connection:

Progeo	Ego	**Kushall**	K Series
	Joker / Joker V		Compact/Compact 2.0
	Joker Energy		Champion
	Joker R2	**Aria**	2.0
	Tekna Advance		Speciale
	Yoga		Ultra
OffCarr	Fenice	**Panthera**	S / U / X
	Althea	**Ki Mobility**	Tzunami
	Diva		Rogue
	Venus	**Moretti**	Atmos
	Eos	**Vermeiren**	Trigo
	Halley	**Per4Max**	Skye
	Quasar	**Vassilli**	Evolution Activa Compact
	Vega	**RGK**	Sub 4
	Themis	**Talart JT**	JT Ultimate
Ottobock	Avantgarde DV	**Bodytech**	Aero X
	Zenit	**Permobil**	Ti Lite Zr
Quikie	Xenon2		
	Argon		
	Helium		
	Nitrum		

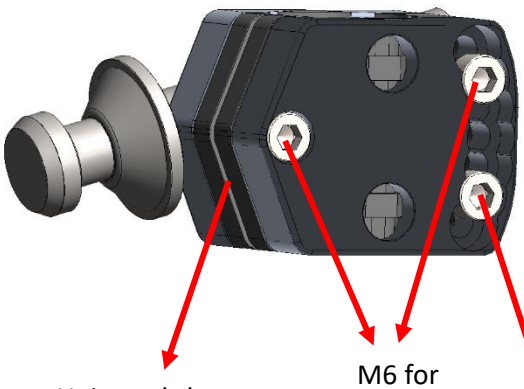
Note: the list is continually updated

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
Conical Pin RTE-1006(56)		**2**	
Screws M6 for conical pin		**4**	The length varies depending on the size of the wheelchair tubing
M6 screws length -5mm		**2**	Length -5mm compared to the length of screws for conical pin
M6 self-locking flanged nuts		**2**	
Nut covers		**2**	

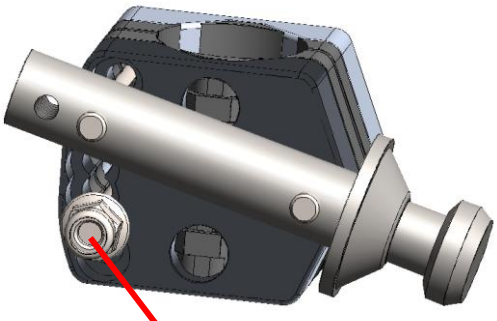
Assembly
Connessione tipo B



Universal clamp adapters*

M6 for conical pin

M6 lenght -5mm



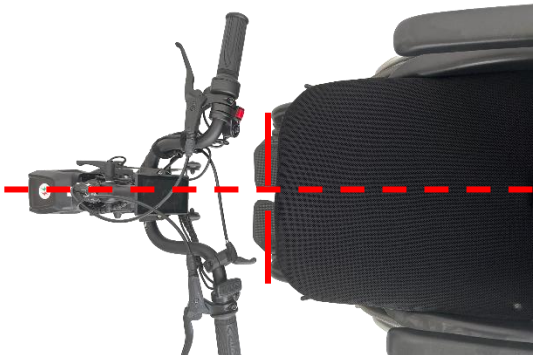
M6 self-locking flanged nut + Nut cover

Assembly instructions

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

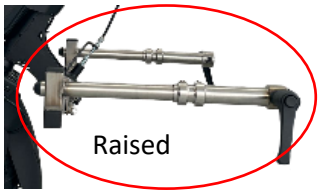
1. For an optimal configuration: adjust the inclination of the handlebar making it parallel to the ground plane

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.

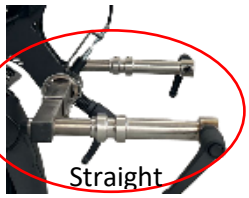


3. Insert each arm into the shaft, facing up or down depending on the EP3 model, temporarily adapting the width of the arms to the width of the wheelchair without tightening the screws on the shaft.

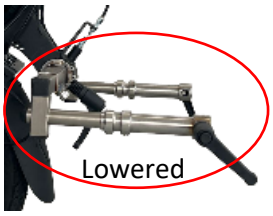
☐ **EP3 12" 10"**



☐ **EP3 14" 14,5"**



☐ **EP3 16"**



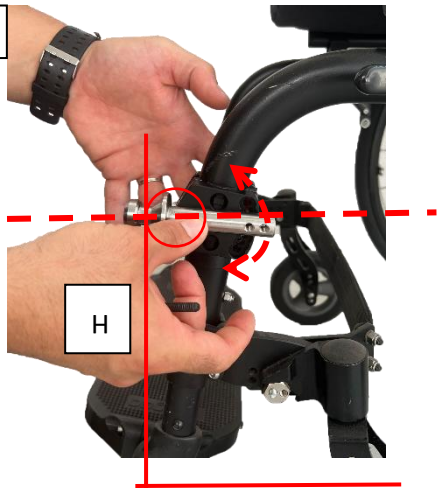
ATTENTION PROCEED WITH THE FOLLOWING OPERATIONS ONE SIDE AT A TIME

SIDE 1

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

5. Mount the Conical Pin only in the first hole (Fig. 5a) so that the tip is at the height H indicated in the previous table; correct the height tolerance H by matching the Conical Pin perfectly with the Depth Adjuster (Fig 5b).

5a



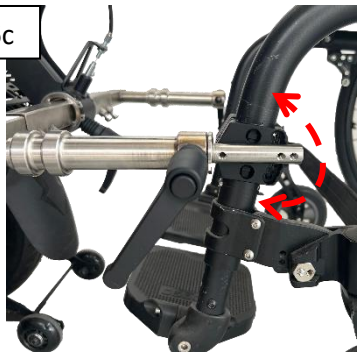
5b

6. Lightly lock the Conical Pin by acting on the Lateral Clamping Lever (Fig. 6a). Slightly tighten the locking screws of the arms on the shaft (Fig. 6b); tightening will slightly tilt the arms upwards and consequently the conical pin will vary its inclination, positioning itself in the optimal condition (Fig. 6c).

6a

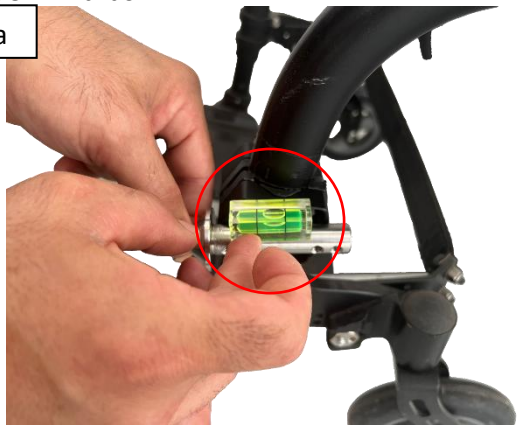
6b

6c

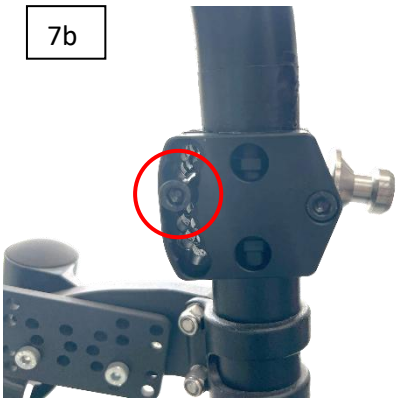


7. Check that the axis of the conical pin is parallel to the ground plane (Fig. 7a), then insert the second screw into the hole corresponding to the resulting inclination (Fig. 7b). Note a small tolerance of +/- 1cm is allowed. **ATTENTION In the absence of parallelism, the best compromise is the tip pointing slightly downwards.**

7a



7b

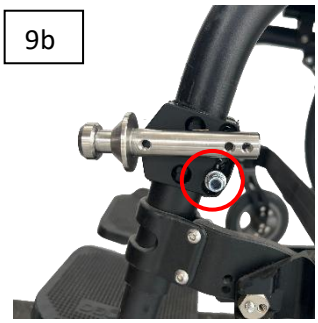


8. Unscrew the lateral tightening lever and check that the conical pin enters and exits freely from the depth regulator by moving the thruster closer and further away.

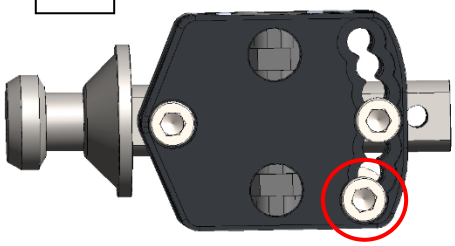
9. Add the third screw in correspondence with the hole opposite to the one where the second screw was inserted (Fig. 9a), adding the supplied flanged nut (Fig. 9b). If the second screw is inserted into the central hole, insert the third screw into the last lower hole (Fig. 9c).

9a

9b



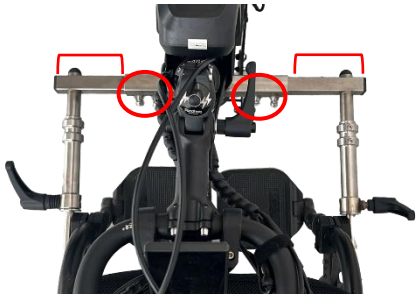
9c

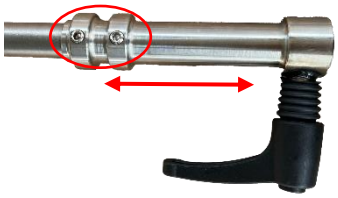


10. **SIDE 2** Perform the steps from No.4 for the opposite side.

SIDES 1 e 2

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



12. 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.**

13. 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.