

**SET OF MOTORIZED WHEELS AND DRIVE CONTROL FOR APPLICATION ON  
MANUAL WHEELCHAIRS**



**Use purpose:**

This aid is a class 1 medical device. Aid for personal mobility. Accessory aid intended to provide support for patient assistance during the execution of various treatment protocols. Used to modify the movement and driving system of wheelchairs. The device described is reusable.

**General description:**

The aid satisfies all the requirements of Rule UE 2017/745 conforming to the Armonized Rules UNI EN 12182 and UNI EN 12184.

Electric push multiplier for manual wheelchairs with wheel replacement. The Wheel Set is a device that converts almost all manual wheelchairs on the market into a motorized version, extending the "range of motion" of the users: consisting of a pair of wheels to replace the original ones, Ø600mm (24") with motors integrated into the hubs (coaxial) with push handrim, battery and driving joystick. The system allows the wheelchair to be closed with the device installed. Complete with assembly and wheel attachment kit, anti-tip wheels, Declaration of conformity, instructions and user manual in english. The adjustment of speed and direction of travel remains at the user.

Adjustable and removable electronic control, mounted on the right or left or at the rear for driving by the attendant and equipped with: ON/OFF switch, manual variator to set/program the minimum and maximum speed, display with indicator of anomalies in the electrical and electronic parts, joystick lever for driving with proportional speed variator.

If necessary, the driving control can be modified according to the user's needs. Two 180W gearmotors operating at 24V, equipped with a gearmotor release (free and/or fixed wheel) to allow the wheelchair to be moved in the event of a fault. Automatic electromagnetic parking brake on the motor. Assisted braking on descents. Rechargeable and removable, hermetic 24V lithium batteries/accumulators completely maintenance-free, of the automotive type, capable of withstanding countless charge-discharge cycles. Electronic battery charger supplied with an electronic charge control device up to automatic interruption and with advanced charging functions that allow a significant reduction in the time required for a complete charge compared to a normal electronic battery charger. Autonomy greater than 18km. Maximum speed 6km/h. Slopes can be climbed up to 20%. Quick release device on request. All materials used for the manufacture of the aid are hypoallergenic and non-toxic. Max load capacity 120Kg.

Technical data:	
Colour:	on request
Structure:	varnished steel
Dimensions (cm):	
Volume (m³):	0,3
Weight (Kg):	25
Weight w/package. (Kg):	25
Antistatic:	No
Disposable:	No
Fire retardant:	-
Use manual	With the aid
<b>Statement of conformity included in the use manual.</b> 	
Commercial informations:	
Document data:	06/05/2026
UDI-DI Basic	805527193Access008YY
Warranty:	
Moving and contact parts, electric and electronic components	24 months
Frame	24 months