

Electric Central Locking Castor



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Smart Moves on Manner Castors

Manner e-SMART – Benefits both end users and OEM customers

The superior ergonomics and safety of the Manner® e-SMART (patented) castor locking system improve and facilitate work in the field of medical care and rehabilitation and wherever central locking castors are needed. The elimination of unnecessary movements and adjustments

to hospital beds and other medical equipment reduces stress, and increases the well-being of patients and medical staff. Maintenance-free castors ensure high usability, and the clever castor attachment enables lightweight and impressive equipment design.



SAFE
EASY
ERGONOMIC
ECONOMIC
FLEXIBLE
VALUE-ADDED
DESIGN

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User benefits

SAFE

Easy and assured locking system:

- No wearing lock components in the castor, no need to adjust the brake

Protected and stable castor structure:

- The locking system cannot be harmed by wear or dirt on the wheel tread

Visible locking position:

- Indicator light shows the brake status
- Nurses can easily check if the castors are locked

Emergency release button:

- In case of power shortage or a dead battery, the locking can be released by pushing the emergency release button

Automatic castor locking & motion sensor (option):

- When equipment is standing still, locks will automatically be engaged after a predetermined time. Prevents fall injuries when patient is getting off the bed
- Prevents locking when the equipment is moving

EASY

Easy and fast to use:

- Informative and clear control panel or handset
- All that is needed is a touch of a finger!

Free location of the control unit:

- Location of control panel/handset can be freely selected
- Can be integrated with the main control panel

Smooth housing surface:

- Ensures easy cleaning

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ERGONOMIC

Ergonomic and efficient to use with a hand control:

- Eliminates unnecessary movements – stretching and pressing of footbrakes
- Helps medical staff to cope at work by reducing the risk of injuries and attrition
- Increased well-being of patients and medical staff

Allows ergonomic equipment design:

- The nurse can get closer to the patient which allows a better working position and efficiency

Easy castor rolling and turning:

- Special ball bearings ensure easy and reliable operation

Helps to decrease equipment weight:

- Easier to push

ECONOMIC

Maintenance-free castor construction:

- No wearing lock components in the castor and no need to adjust the brake

Long life span:

- High quality raw materials, ball bearings and strong and stable construction ensure a long life span

Increased well-being and decreased amount of sick days:

- Since the e-SMART is ergonomic to use it will reduce stress on the vertebral column and joints. This will increase well-being at work and decrease the amount of sick days resulting in savings

OEM Benefits

SAFE

Actuator covered and protected inside the tube:

- IP 66 protected (against dust, high pressure water jets and heavy seas)

Fulfills the standards:

- IEC 60601-2-52 and EN 12531

ECONOMIC

Cost savings through simple assembly

- Easy and fast to assemble

Simpler equipment construction

- Contains fewer components than traditional central locking castors

Protective film on wheel tread:

- Protects the tread from dirt until the equipment is delivered to the customer

FLEXIBLE

Allows innovative equipment design

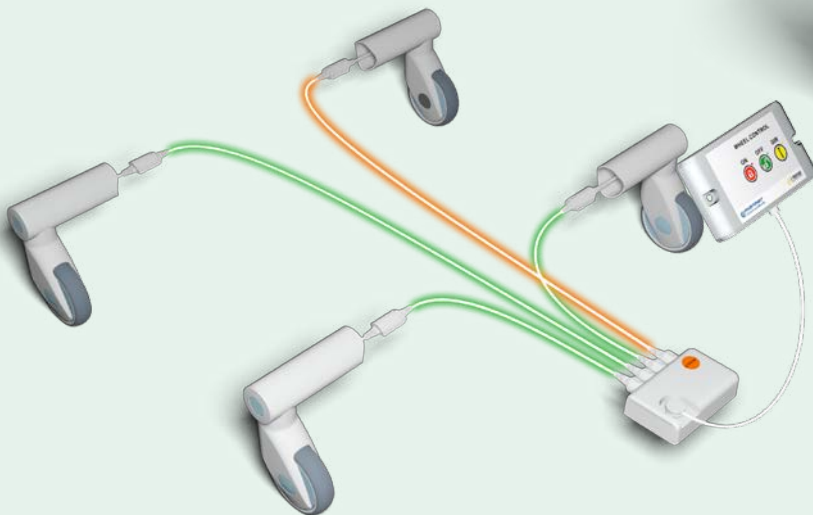
- No hex rod systems required

Smart attachment

- Gives a nice, compact and protected castor fitting
- No visible fitting bolts or screws

Flexible castor control and user interface

- Can be connected to existing control systems
- Location of control panel can be freely selected
- Castor control can be integrated to main control panel in the equipment
- Option for a customised control system
- Can be applied to different kinds of equipments and solutions



VALUE-ADDED DESIGN

- Thanks to intelligent design, Manner e-SMART offers additional features that benefit both end users and equipment manufacturers



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Features:

- Total lock or directional (0/180°); conductive available as an option
- Housing and wheel centre glass fibre reinforced polyamide
- Wheel tread polyurethane 80 shore A, hydrolysis-resistant
- Ball bearing in swivel head and double row ball bearing in wheel
- Wheel diameter 125 mm
- Load capacity 150 kg
- Height 167 mm (round) / 172 mm (square)
- Offset 42 mm
- Standard colours – fork: light grey (RAL 7035), thread guards and cover plate: light grey and light blue

Castor locking control:

- Push button-operated, mechanical quick release lock system
- Voltage 24 V DC
- Current consumption: 30 mA in normal use, max 250 mA
- International Protection Rating = IP66

Standard fittings:

50 x 50 x 2 mm (EN10219)



Ø60,3 x 2,9 mm (EN10219)



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