



# CASTOR NEWS

M A N N E R N E W S L E T T E R 2 0 1 6



**Our new website has been launched:  
[www.manner.fi](http://www.manner.fi)**

**See you at  
the Medica  
and Elmia  
trade fairs**



WORLD FORUM  
FOR MEDICINE  
14-17 NOVEMBER 2016  
DÜSSELDORF GERMANY

visioner  
blir  
verklighet

**Elmia  
Subcontractor**

NDRA EUROOPAS LEDANDE UNDERLEVERANTÖRSMASSA

**Manner to invest in the Tango castor - new investment in  
equipment p. 2**

**Castor News p. 3**

S M A R T M O V E S O N M A N N E R C A S T O R S

Personnel news



Roger Rosendal joined Manner as a product development engineer on 4 January 2016.



Veikko Savolainen retired after a long career spanning over 46 years. Veikko's first job at Manner was as a lathe operator, and he later worked as a draughtsman and product developer. Manner warmly thanks Veikko for all the years and wishes him all the best for his well-earned retirement.



Manner at trade fairs 2016

INTERNATIONAL

8–11 November 2016 Elmia, Stand B03:20, Jönköping Sweden, [www.elmia.se/subcontractor](http://www.elmia.se/subcontractor)

14–17 November 2016 Medica, Stand 14E43, Düsseldorf, Germany, [www.medica.de](http://www.medica.de)



The Tango range is growing and sales are increasing – Manner invests in Tango

Manner has made the largest investment in equipment in the company's history with a view of streamlining its operations.

What our customers will see is a higher capacity, a more efficient and flexible production process, shortened response times and products that are even better quality than before. Manner will also be more competitive in the context of larger projects.

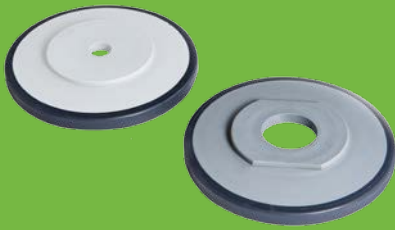


The rationale behind the investment is the huge success of the Tango range and steadily growing sales. The product range has been extended and the product features have become more diverse as we want to offer our customers castors that suit their specific environment and are the best plastic equipment castors in the world. Assessing and anticipating what our customers need is part of our strategy and the reason why we can manufacture new and innovative products. "Investment in automation gives us a clear edge over our competitors. It also means that we face new requirements regarding our skills and the management of material flow and quality control. We've now taken this important step forward," says Production Manager **Aki Leikkilä**.

Our new website has been launched

You can find all our products and detailed information on our new website.





### Tango castor bumpers now available in all standard colours

A bumper is an accessory for Tango castors with either a tubular or square expander or threaded stem. The bumper is suitable for Tango castors of all sizes: 75 mm, 100 mm and 125 mm. The bumper is now available in all standard colours: grey (RAL 7042), light grey (RAL7035) and black.

### Non-magnetic Tango also available in 75 mm size

Non-magnetic Tango is designed for environment where mobility equipment needs to be non-magnetic to prevent it from interfering with the nearby magnetic fields or other sensitive electrical fields. Non-magnetic castors are used for healthcare mobility equipment operating nearby an MRI machine, as well as for patients' transport chairs. The colour of the fork and threadguard is light grey. Non-magnetic Tango is available in 75, 100 and 125 mm sizes with threaded stem or rectangular top plate, swivel, and with or without brake. The load capacity for the castor is 70 kg.



### NEW IMPORTER

**Guitel France** has started as our importer in France. Guitel France ([www.guitel.fr](http://www.guitel.fr)) with head office and factory in Crisolles, is part of Groupe CDE Blangis. Guitel France offers wheels and castors, mobile units and gate accessories for manufacturers and resellers.



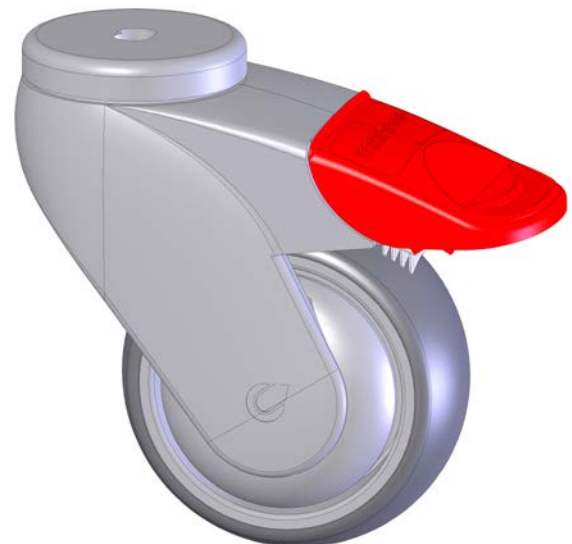
### Tango with hand brake

The Tango castor with handbrake has been designed to meet the requests of users of mobility aid devices and other equipment, who must be able to brake and lock the castors by hand. The hand brake feature is available for 125 mm Tango castors with total stop brake and directional lock and the Tango castor incorporating a two-stage brake. Please see page 5 for more information.

## Redesigned 75 mm Tango castor

We are redesigning the 75 mm Tango castor. The new design will have the same look and features as the 100 mm and 125 mm Tango castors. Tango 75 will offer the same great features as the larger castors: finger protection for the brake pedal, two brake pedal designs, new modern fork and curved forms. The new design will also make the castor easier to keep clean. The measurements and technical features will remain the same.

The new castor design will have the same fixing methods and castor and colour options as the current model. According to the preliminary schedule, we can start delivering the new Tango 75 from the beginning of 2017, which is when the production of the current Tango 75 will be discontinued.





# Manner® e-SMART equipment castor's new features: controls and motion detector

The Manner® e-SMART with electric control system is designed for equipment that requires central locking. The locking and releasing of the wheels can easily be controlled by a control panel or a hand control. The patented castor provides superior ergonomics and safety. These benefits increase the efficiency and facilitate daily routines in the field of medical care and rehabilitation and wherever castors with central locking 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. Remote castor locking enables medical staff to cope at work by reducing the risk of injuries and attrition. There are no wearing components and no adjustments are needed. Thanks to the special ball bearing, the castors keep on rolling and turning smoothly.

The structure of the Manner® e-SMART locking mechanism is designed to function reliably and safely. The control system includes a motion detector as standard: automatic locking while the equipment is not moving, anti-locking while it is moving.

The Manner® e-SMART castor is available with Linak and TiMotion control systems, and the Dewert control system will be available later. The OEMs have an option to develop own control systems. There are two castor options: total lock or directional lock.



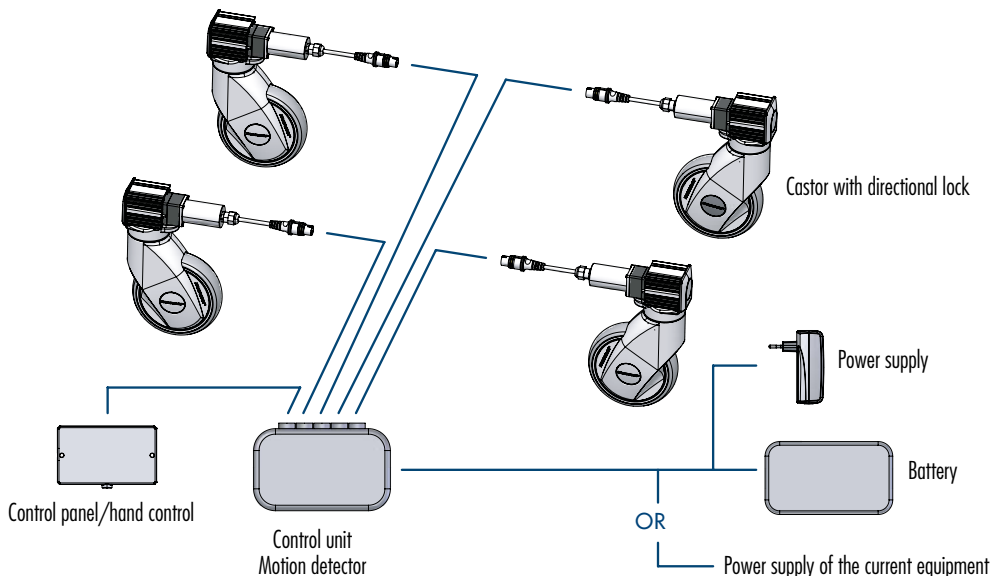
### Benefits:

- Safety
- Ease of use
- Ergonomics
- Economy
- Flexibility
- Design



## e-SMART - the castor with a central locking system

Description of the electronic control system:





## Tango with hand brake – new features



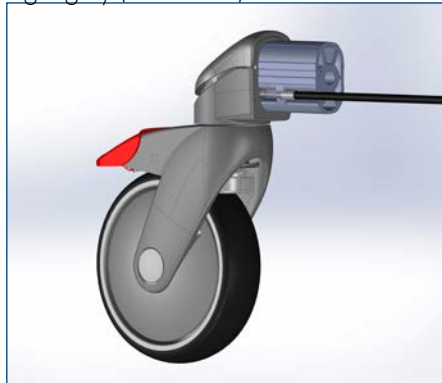
The Tango castor with handbrake has been designed to meet the requests of users of mobility aid devices and other equipment, who must be able to brake and lock the castors by hand.

Wheel braking can be controlled manually using the brake handle. If the brake handle has a separate parking lever, this can be used to lock the wheel rotation and prevent it from rolling.

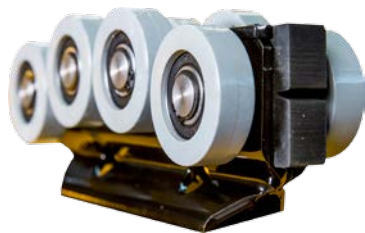
The elegant castor fitting solution is quick and easy to mount. The castor is fitted into a horizontal tube and includes a tube adapter.

The castor is available with a standard oval tube adapter which can be fitted either into an oval or square tube measuring 50 x 30 x 2 mm.

Other tube adapters can be designed according to customer requests. The castor has been tested and approved in accordance with standard ISO 11199 for mobility aid devices. The hand brake feature is available for 125 mm Tango castors with total stop brake and directional lock. The feature can also be combined with the Tango castor incorporating a two-stage brake: total stop brake and directional lock in the same castor. The colours are grey (RAL 7042), light grey (RAL 7035) and black.

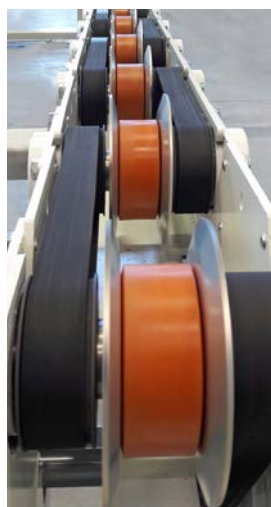


## Special castors



Manner provides a wide range of standard products for applications in industrial production, transportation and warehouse environments. The range covers products that are mainly designed and manufactured in-house.

The choice of the right castor is based on the assessment of the environment, load requirements and other relevant criteria. Load requirements as well as heat and chemical resistance requirements may require special materials to be used.



There may also be special requirements regarding the size and appearance of castors as well as conductivity and magnetism properties.

If we cannot find a suitable product in our or our partners' standard ranges, we can design a customised solution to meet the customer's specifications.

Examples include a profile castor with ball bearing in a profile tubing and the custom-made heavy castor for the Mercedes Benz SUV production line at Ferroplan Oy.

## Manner at trade fairs in Germany and Sweden

Manner was one of the exhibitors at the Elmia Subcontractor fair in Jönköping on 10–13 November 2015.



Manner was also one of the exhibitors at the Medica fair in Düsseldorf on 16–19 November 2015.



### GIVE US YOUR FEEDBACK



Please provide feedback on our magazine, our service and our products. We also welcome new ideas for the content of Castor News (subjects, readability, etc.).

**Information updates.** Please send your feedback, or address or personnel changes to [man-ner@manner.fi](mailto:man-ner@manner.fi), or through our feedback page on our website ([www.manner.fi](http://www.manner.fi))





# Manner provides a wide range of conductive castors

Conductive Manner castors are made of high-quality raw materials that ensure excellent conductivity.

Conductive castors are used in places where static discharge must be directed away from a device or a trolley, or static discharge must be prevented. Typical applications include, for example, the electronics and car industry and hospitals, in which the equipment or products are exposed to static electricity.



All conductive Manner castors are tested and approved in accordance with ISO 22878:2004. The wheel resistivity is less than  $10^4$  (10,000) ohms.

- **Reliable conductivity**
- **Thanks to the materials used, wheels do not leave marks on the surface or the floor**
- **Stylish design, smooth to roll**
- **Manner also develops special wheels to customers' specific requirements**



[www.manner.fi](http://www.manner.fi)

### Manner importers internationally:

- **DENMARK** • Soco Hjul A/S, Tåstrup, tel. +45 43 525 566, [info@socohjul.dk](mailto:info@socohjul.dk)
- **ESTONIA** • Etra Balti As, Tallinn, tel. +372 601 2836, [tallinn@etra.ee](mailto:tallinn@etra.ee)
- **FRANCE** • Guitel France, Crisolles, tel. +33 3 4493 2620, [commande@guitel.fr](mailto:commande@guitel.fr)
- **HUNGARY** • Wicke Kft, Budapest, tel. +36 1 339 9598, [wicke@wickekft.hu](mailto:wicke@wickekft.hu)
- **ITALY** • LAG Spa, Modena, tel. +39 59 585 425, [sales@lagspa.it](mailto:sales@lagspa.it)
- **JAPAN** • Sugatsune Kogyo Co. Ltd., Tokyo, tel. +81 3 3866 2267, [import@sugatsune.co.jp](mailto:import@sugatsune.co.jp)
- **NETHERLANDS** • VE-Systems B.V., Nijkerk, tel. +31 33 245 8334, [info@ve-systems.nl](mailto:info@ve-systems.nl)
- **NORWAY** • Otto Olsen A/S, Lillestrom, tel. +47 63 890 800, [post@oo.no](mailto:post@oo.no)
- **POLAND** • Manner Poland sp z o.o., Warszawa, tel. +48 22 678 4316, [info@manner.com.pl](mailto:info@manner.com.pl)
- **REPUBLIC OF KOREA** • Loyitech, Namdong-gu, Incheon, tel. +82 70 4135 9873, [loyitech@loyitech.com](mailto:loyitech@loyitech.com)
- **RUSSIA** • JSC Technopolis, St.Petersburg, tel. +7 812 703 1010, [tpolis@bk.ru](mailto:tpolis@bk.ru)
- **RUSSIA** • LBK prom, St. Petersburg, tel. +7 812 292 3700, [office@tt-parts.ru](mailto:office@tt-parts.ru)
- **SWITZERLAND/LIECHTENSTEIN** • FTA Fahrzeugtechnik AG, Unterenfelden, tel. +41 62 737 0404, [verkauf@fta.ch](mailto:verkauf@fta.ch)
- **UNITED KINGDOM/IRELAND** • H Varley Limited, Cheshire, tel. +44 161 928 9617, [nthsales@varley.co.uk](mailto:nthsales@varley.co.uk)

**Castor News 2016** Manner's information magazine **Publisher:** Oy Mannerin Konepaja Ab P.O.Box 3, 10901 Hanko, FINLAND  
Tel. +358 19 222 001, fax +358 19 248 2000, e-mail: [manner@manner.fi](mailto:manner@manner.fi), [www.manner.fi](http://www.manner.fi) **Editor-in-chief:** Jukka Manner  
**Editorial:** Mirja Sevón **Layout:** Brandstairs Oy

