

PRODUCT INFORMATION

LINEA FOR INDUSTRY

 60 - 150 kg

 85 - 177 mm

 75 - 150 mm



TENTE

BETTER MOBILITY. BETTER LIFE.

HOUSINGS

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WHEELS

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FITTINGS

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BETTER MOBILITY IN PREMIUM QUALITY

TENTE believes in smart mobility solutions which noticeably improve people's lives and their work environment. TENTE solutions increase productivity, ensure safety and open up new horizons in matters of design and durability as well as environmental friendliness. Leading manufacturers and companies from different industries rely on these competencies and our high production quality.

On the following pages you will find technical information about our Linea product family. We will also explain the added value this mobility solution offers to your organisation. Features include:

Optimised manoeuvrability

Twin wheel castor with differential effect offers high manoeuvrability.

Robust housing

Twin wheel castor for high load capacity and low height.

Individual branding

Can be printed with a logo.



Deutscher Designer Club



reddot design award

LINEA FAMILY OVERVIEW

PERFECT FOR YOU NEEDS

The Linea castor family not only includes the products shown in this brochure but also other versions with special features to meet your individual needs. Please contact us for more information about these Linea versions:



Linea safety

Automatically locked by default for increased safety.

📏 60 - 120 kg
🌀 75 - 100 mm

For information on fittings, see pages 28-31



Linea low height

Low height version: only 3 mm above the height of the wheel diameter.

📏 90 - 100 kg
🌀 75 - 100 mm

For more information about this product, please contact us.



Linea smart

With built-in, ready-to-go fitting and Linea's essential functions.

📏 90 - 100 kg
🌀 100 mm

For more information about this product, please contact us.



WITH
PLUG-IN
FITTINGS

Linea load

Robust version which can carry higher loads.

📏 100 kg
🌀 50 mm

For more information about this product, please contact us.



WITH
PLUG-IN
FITTINGS

Linea light

Version with a wide range of possibilities and easy plug-in fittings.

📏 40 kg - 100 kg
🌀 50 - 100 mm

For more information about this product, please contact us.



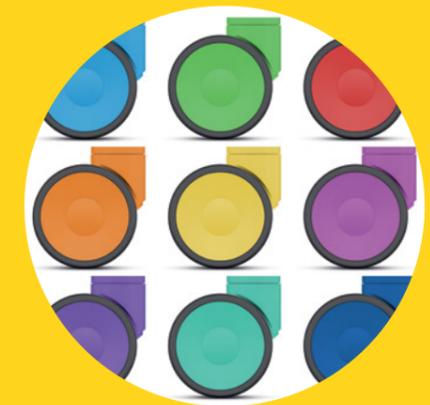
CUSTOMISED DESIGN

The design of all Lineas can be customised. We offer not only the possibility of fascinating picture prints, but also the option to seamlessly adapt them to the individual design language of our customers and promote successful differentiation. Please contact us:

www.tente.com/contact



Surface treatments



Colour matching



Individual branding



Picture prints

HOUSINGS



FEATURES



Optimised steering mechanism

Directional lock for improved steering around bends, as well as moving in a straight line over long distances.



Ergonomic foot pedal

Kick pedal for quick and easy operation with any kind of footwear.



Combined brake system

Both directional lock and total lock systems can be proposed on the same castor and operated separately.



Secure lock

Safety version which only starts rolling when a pedal or handle is activated by the user. Unintentional movement is effectively prevented.



Robust housing

Twin wheel castor for high load capacity and low height.



Unbreakable construction

Extremely high shock absorbing.



User-friendly central lock

Simultaneous locking of more than one castor using a central activation lever. On request.



Chemical-resistant components

Impervious to many cleaning agents and chemical substances.



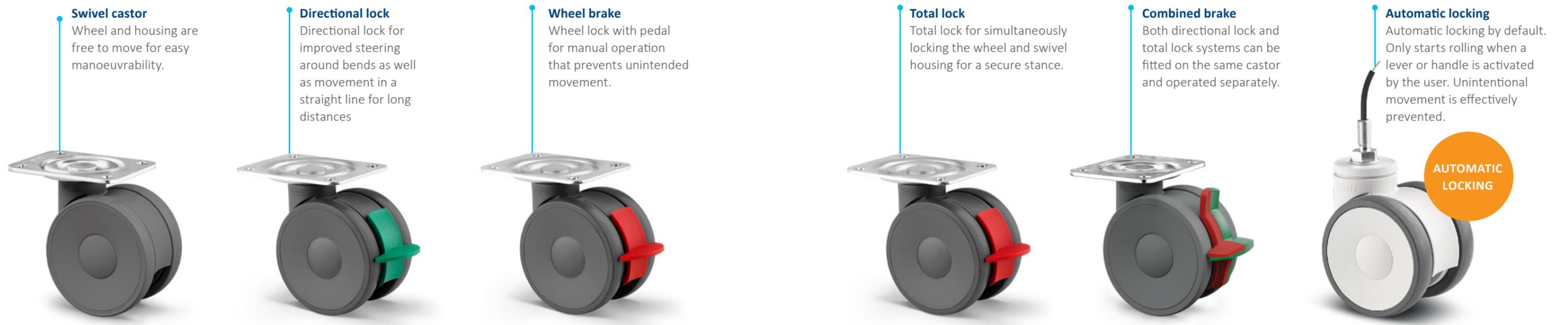
Reduced cleaning

The castors are quick and easy to clean, with mostly smooth surfaces.

HOUSINGS

The construction of twin wheel castors allows for smoother manoeuvrability. This is due to the differential effect and because they have a lower overall height than a single wheel castor with the same wheel diameter. The housing is made of polyamide. The castors have extremely high shock absorbing properties and are quick and easy to clean, thanks to predominantly smooth surfaces. We offer different functions:

The castors are tested in our own laboratory for compliance with European standards. Non hazardous materials are used in order to comply with the RoHS directive and REACH regulation of the European Union. These do not contain polycyclic aromatic hydrocarbons or chromium (VI). All components are impervious to many cleaning agents and chemical substances.



Swivel castor

Wheel and housing are free to move for easy manoeuvrability.

Directional lock

Directional lock for improved steering around bends as well as movement in a straight line for long distances

Wheel brake

Wheel lock with pedal for manual operation that prevents unintended movement.

Total lock

Total lock for simultaneously locking the wheel and swivel housing for a secure stance.

Combined brake

Both directional lock and total lock systems can be fitted on the same castor and operated separately.

Automatic locking

Automatic locking by default. Only starts rolling when a lever or handle is activated by the user. Unintentional movement is effectively prevented.



Ergonomic foot pedal

All castors with a standard lock are available with a larger kick pedal for quick and easy operation with any kind of footwear. Please contact us.



Integrated cable pusher

For Linea in wheel diameter 100 mm and 125 mm, a cable pusher is available. This protects cables and tubes lying on the floor. It can also be installed retrospectively. Please contact us.



Colour matching

These are our standard product colours. Please contact us if you require something different.

Housing colours:

- RAL 7001 ● RAL 9002
- RAL 7015 ● RAL 9011
- RAL 9003

Brake lever colours:

- RAL 7015 ● RAL 9011
- RAL 3000 ● RAL 6032

Technical data and availability

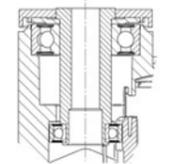


Description	Housing type	Fixed castor	Swivel castor	Swivel castor with directional lock	Swivel castor with wheel brake	Swivel castor with total lock	Swivel castor with combined directional and total lock	Swivel castor with automatic wheel brake	Swivel castor with automatic total lock
	Article description	5908	5940 / 5920	5941 / 5921	5945 / 5925	5947 / 5927	594C	592D	594D
	Material	Polyamide	Polyamide	Polyamide	Polyamide	Polyamide	Polyamide	Polyamide	Polyamide
	Swivel bearing	-	Double precision ball bearing or plain bearing	Double precision ball bearing	Double precision ball bearing or plain bearing	Double precision ball bearing or plain bearing			
	Washable*	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Swivel interference	Linea								
	Wheel Ø 100 mm	-	180 mm	216 mm	216 mm	216 mm	-	-	-
	Wheel Ø 125 mm	-	218 mm	258 mm	258 mm	258 mm	258 mm	-	-
	Wheel Ø 150 mm	●	265 mm	312 mm	312 mm	312 mm	312 mm	-	-
	Linea safety								
	Wheel Ø 75 mm	-	-	-	-	-	-	130 mm	-
Wheel Ø 100 mm	-	-	-	-	-	-	176 mm	180 mm	

Items with this sign "●" are available. Items with this sign "-" are not available in our standard range. Please contact us.

* Washable versions with stainless precision ball bearing in swivel head.

Swivel bearings



Double precision ball bearing



Plain bearing



Linea safety

For castors with automatic locking system, we offer a practical accessory kit for the easy installation of your application. Find the accessory kit and appropriate fittings on pages 28-31.

WHEELS



FEATURES



Quiet rolling

Optional soft wheel version for a quiet working environment.



Non-marking movement

Wheels with reduced abrasion and little cleaning requirements.



Protective seal

Wheels with sealed precision ball bearings to protect against water spray and dirt.



Non-staining operation

Non-staining on contact with floors during long standing periods. Can also be used for floors made of untreated wood and natural stone.



Certified conductivity

Optional conductive version to protect users and electrical devices from electrostatic discharge.



Individual branding

Can be printed with a logo.



Fascinating picture prints

Print your own imagery on wheel caps.



Painted surface

Gold, chrome or gloss surfaces available.



Low-maintenance wheels

Unobstructed operation with minimal cleaning effort.

WHEELS

The characteristics of a wheel depend on the material and the bearing. The Linea family offers high-quality synthetic wheels made of polyurethane. This results in low rolling resistance and protects against corrosion and damage from many different substances. Linea wheels can be used on soft and hard floors with a high level of drive comfort.



Maxtech
Perfect for functional design and demanding applications. Made from polyamide and injection-moulded polyurethane. Also available as conductive and stainless steel versions.

Some wheels that are made of synthetic materials are washable. This allows them to be used in areas with strict hygiene regulations, such as hospitals. The tread design has been optimised to ensure effortless manoeuvrability by reducing friction.



Colour matching
These are our standard product colours. Please contact us if you require something different.

Tread colours:
● RAL 7015 ● RAL 9011

Wheel caps colours:
○ RAL 9003 ● PMS 116C
● RAL 9002 ● PMS 186C
● RAL 7001 ● PMS 376C
● RAL 7015 ● PMS 2935C
● RAL 9011



Flexibility with design wheel caps
In order to optimise stock management, castors can be delivered without wheel caps assembled. Parts with colours or special printing can be delivered separately. Please contact us to get more information.

Technical data and availability

					
Description	Product name	Maxtech	Maxtech precision	Maxtech stainless	Maxtech precision conductive
	Article description	UAI, UAO	UAP	UAC	XSP, XSC
	Tread material	Polyurethane	Polyurethane	Polyurethane	Polyurethane
	Tread hardness*	Shore A 92	Shore A 92	Shore A 92	Shore A 92
	Wheel body material	Polyamide	Polyamide	Polyamide	Polyamide
	Temperature range	-10 °C / +40 °C	-10 °C / +40 °C	-10 °C / +40 °C	-10 °C / +40 °C
	Width of tread / wheel diameter in mm	15 mm / Ø 75 -	15 mm / Ø 75 20 mm / Ø 100 - 125 22 mm / Ø 150	15 mm / Ø 75 20 mm / Ø 100 - 125 22 mm / Ø 150	15 mm / Ø 75 20 mm / Ø 100 - 125 22 mm / Ø 150
	Electric conductive (10⁴ OHM)	-	-	-	●
	Washable**	●	-	●	● XSC
Bearing type	Plain bearing	●	-	●	●
	Precision ball bearing	-	●	●	●
Load capacity	Linea safety				
	Wheel Ø 75 mm	60 kg UAI 70 kg UAO	100 kg	-	-
	Wheel Ø 100 mm	-	120 kg	120 kg	120 kg
	Linea				
	Wheel Ø 100 mm	-	120 kg	120 kg	120 kg
	Wheel Ø 125 mm	-	130 kg	130 kg	130 kg
	Wheel Ø 150 mm	-	150 kg	150 kg	150 kg

Items with this sign "●" are available. Items with this sign "-" are not available in our standard range. Please contact us. The mentioned load capacity is only valid for the Linea castors.

* Please contact us for a softer tread hardness.

** Washable castors have a stainless steel precision ball bearing and/or plain bearings.



Standards:

The following castor types have been tested and fulfil the requirements according to the following standards:

EN 12528:

- Linea safety (Housing 592D)

EN 12530:

- Linea
- Linea safety (Housing 594D)

EN12532:

- Linea



Load capacity

When using four castors, you can calculate the necessary load capacity as follows: The sum of the weight of your application plus the additional load divided by three castors.

$$\frac{\text{Weight of application} + \text{load}}{3} = \text{Load capacity of one castor}$$

Bearing types



Plain bearing for short distances.



Precision ball bearing for highest performance.

FITTINGS



FEATURES



Flexibility with fittings options

Please contact us to get more information about personalised fittings.



Variable fitting options

Wide range of fittings in various sizes.

ADDITIONAL FEATURES



Award-winning design

Presented with prestigious awards by international juries.



Uniform design

Linea product family ensures a uniform image. Versatile features available, with diameters from 50mm to 150mm. Please contact us.



Tested quality

Tested in our own laboratory for compliance with European standards.



Non hazardous materials

Complies with the RoHS directive and REACH regulation of the European Union. Does not contain polycyclic aromatic hydrocarbons or chromium (VI).



Reliable scanning

Anti-magnetic version for security scanners and magnetic resonance tomography. Available on request.

BOLT HOLE FITTINGS

The bolt hole is a quick and easy way to ensure a solid attachment with regular M10 or M12 screws.



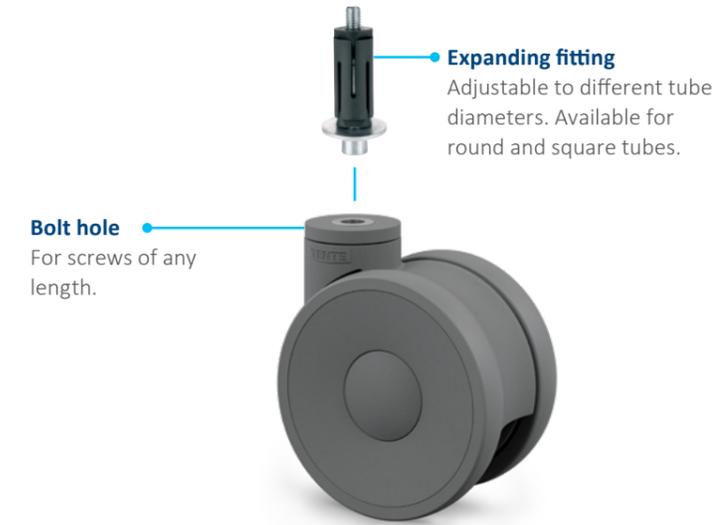
Technical data and availability

Description	Fitting type	Bolt hole	Bolt hole
	Article description	P30	P30
	Bolt hole Ø	11 mm	13 mm
Linea	Wheel Ø 100 mm	118 mm	118 mm
	Wheel Ø 125 mm	143 mm	143 mm
	Wheel Ø 150 mm	-	170 mm

Items with this sign "-" are not available in our standard range. Please contact us.

EXPANDING FITTINGS FOR TUBES

Adjustable expanders allow for flexible installation in different tube sizes. These are available for all castors with bolt holes with a 10 mm diameter.



Technical data and availability

Description	Fitting type	Bolt hole	Expander, round	Expander, square
	Article description	P30	R07	R47
	Bolt hole Ø	10 mm	-	-
	Expander	-	Ø 19 - 21,5 mm Ø 21,5 - 24 mm Ø 24 - 27 mm Ø 27 - 30 mm Ø 31 - 35 mm	Ø 21,5 - 24 mm Ø 24 - 27 mm Ø 27 - 30 mm Ø 32 - 35 mm Ø 36 - 40 mm
Overall height	Linea			
	Wheel Ø 100 mm	118 mm	●	●
	Wheel Ø 125 mm	143 mm	●	●
	Wheel Ø 150 mm	170 mm	●	●

Items with this sign "●" are available.

STEM FITTINGS

We offer different stem fittings to allow for easy mounting into tubes. The stems are highly customisable.



Technical data and availability

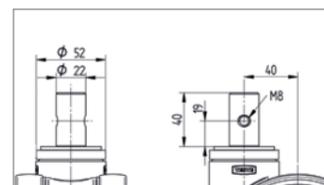
Description	i Fitting type	Solid stem
	Article description	R05-22
	Shape	Round
	Thread for fixation screw	M8
	Thread position from bottom	19 mm
	Solid stem ϕ	22 mm
	Solid stem length	40 mm
Overall height	Linea	
	Wheel ϕ 100 mm	118 mm
	Wheel ϕ 125 mm	143 mm
	Wheel ϕ 150 mm	170 mm



Other dimensions on request.

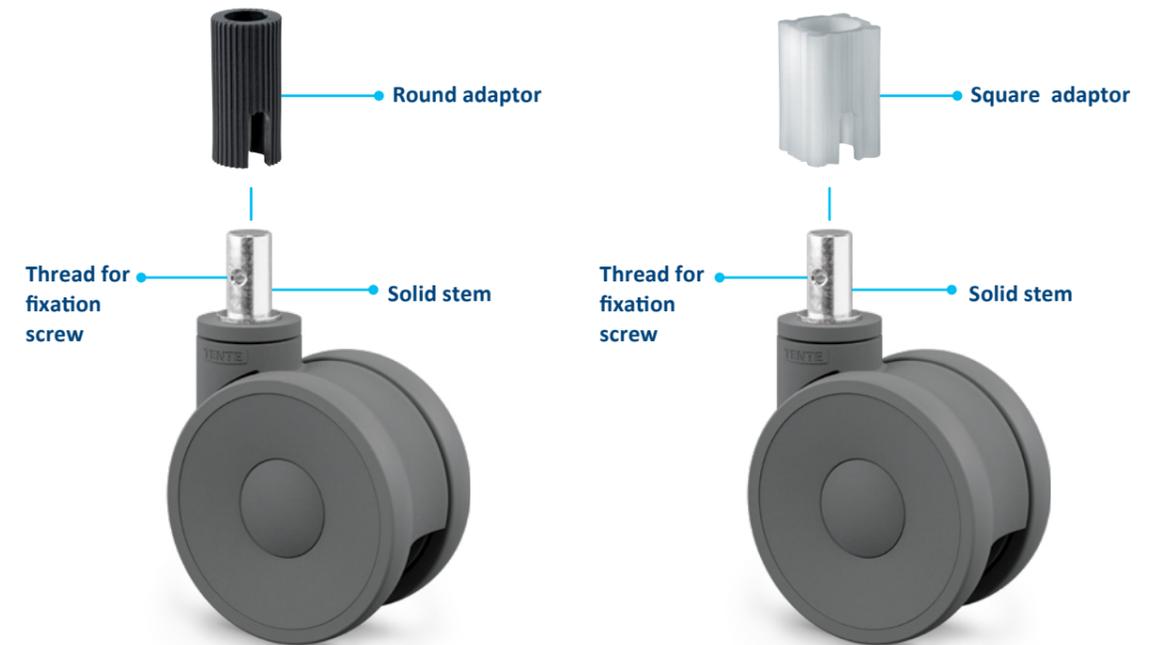
Technical drawings

R05-22



ADAPTORS FOR TUBES

Different adaptors are available for solid stems to be fitted into round and square tubes.



Technical data and availability

Description	i Tube type	Round	Square
	Article description	R08	R48
	Compatible with product	R05	R05
	Adaptor measurements	ϕ 28 mm	27 x 27 mm 32 x 32 mm 36 x 36 mm
	Solid stem ϕ	22 mm	22 mm
	Solid stem length	40 mm	45 mm & 60 mm

Items with this sign "i" are not available in our standard range. Please contact us.

PLATE FITTINGS

Secure connection with four screws. For a long-lasting use, all fittings of the Linea product family are designed using high-quality, bright zinc coating, or stainless steel on request.



Plate fitting
Special plates with various dimensions can be made on request.

Technical data and availability

							
Description	Fitting type	Plate	Plate	Plate	Plate	Plate	Plate
	Article description	P50	P51	P52	P60	P62	P63
	Size of plate	77 x 67 mm	95 x 70 mm	96 x 70 mm	90 x 137 mm	96 x 78 mm	137 x 105 mm
	Plate hole centres	61,5/56 x 51,5/46,5 mm	75 x 50 mm	76/72 x 52/44,5 mm	56 x 100 mm	80 x 60 mm	105 x 80/65 mm
	Plate hole \varnothing	8,5 mm	11 mm	11 mm	11 mm	9,1 mm	11 mm
Overall height	Linea						
	Wheel \varnothing 100 mm	124 mm	124 mm	124 mm	-	125 mm	124 mm
	Wheel \varnothing 125 mm	148 mm	148 mm	148 mm	-	150 mm	148 mm
	Wheel \varnothing 150 mm	170 mm	170 mm	170 mm	177 mm	177 mm	176 mm

Items with this sign "-" are not available in our standard range. Please contact us.

LINEA SAFETY

Our Linea safety castors are automatically locked by default and can only be moved when the locking system is actively released. This system creates opportunities for those developing mobile furniture, for example. Direct access to the castor by foot is not needed to begin movement. Please contact us for more information.



Automatic locking

You have the choice between the wheel brake, which is available in wheel diameter 75 mm and 100 mm, or the total lock system for 100 mm diameter wheels only.



Automatic locking

The springs of the brake system are free when the castor is locked, which is most of the time. This durable, tension-free locking solution is patented by TENTE.

Plate fittings



Description	Fitting type	Plate with automatic wheel lock	Plate with automatic wheel lock	Plate with automatic total lock
	Article description	P41	P41	P50
	Size of plate	38 x 38 mm* 42 x 42 mm 60 x 60 mm	65 x 65 mm	77 x 67 mm
	Plate hole centres	27 x 27 mm 32 x 32 mm 48/38 x 48/38 mm	47/42x47/42 mm	61,5/56 x 51,5/46,5
	Plate hole Ø	5 mm 5 mm 6 mm	6 mm	8,5 mm
Overall height	Linea safety			
	Wheel Ø 75 mm	86,5 mm	85 mm	-
	Wheel Ø 100 mm	113,5 mm	112 mm	124 mm

*Plate P41 in size 38 x 38 mm is just available for blind hole diameter 10 mm.

Threaded stem fittings



Description	Fitting type	Threaded stem with automatic wheel lock	Threaded stem with automatic wheel lock	Threaded stem with automatic total lock	Threaded stem with automatic total lock
	Article description	S70	S70	S70	S70
	Threaded stem measurements	M10 x 15 mm M10 x 25 mm	M12 x 15 mm M12 x 25 mm	M10 x 15 mm	M12 x 25 mm
Overall height	Linea safety				
	Wheel Ø 75 mm	80,5 mm	81,5 mm	-	-
	Wheel Ø 100 mm	106 mm	106 mm	123 mm	129 mm

Linea safety accessory kit components

We offer an optional accessory kit for easy installation with your application.



Description	i				
	Accessory	Stainless steel cable 1.2mm galvanized strand 1x19. One side with swaged terminal 4x4	Stainless steel cable 1.5mm galvanized strand 1x19. One side with ball swaged terminal Ø 6mm	Flat steel wire spirals sleeve Ø 5mm	End caps 8x16 DEC 5.9x7
	Length (m)	3	3	10	-
	Quantity	6	4	1	4
	Notes	For connecting coupler to Linea safety (592D) with wheel brake in wheel diameter 75 mm and 100 mm. For connecting control to duplicator to any Linea safety version.	For connecting coupler to Linea safety (594D) with total lock in wheel diameter 100 mm.	Manufactured out of a flat steel wire	-



Description	i					
	Accessory	Long handle	Short handle	Coupler	Cylindrical stop sleeve terminals. To be swaged 5x4.1 (Ø 1.65mm)	Cylindrical stop sleeve terminals. To be swaged 4x4 (Ø 1.4mm)
	Length (m)	-	-	-	-	-
	Quantity	1	1	1	6	10
	Notes	With blocking system possibility			To be used with cable Ø 1.5mm with Linea safety (594D) and a total lock in wheel diameter 100 mm.	To be used with cable Ø 1.2mm with Linea safety (592D) and a wheel brake in wheel diameter 75 mm and 100 mm.

DIVERSITY WITH A SYSTEM OUR CASTORS

All of our products have their own specific qualities and strengths. Whether it's high design standards, specialist applications or exceptional load capacities – our range can meet your needs and can be adapted to fit different models.

From the correct dimensions and technical specifications to the required configuration, our product families are able to offer the ideal solution – whatever you need. Please contact us for more information or visit our website: www.tente.com

<p>Radiata</p>  <p>1.200 - 1.500 kg 80 mm</p>	<p>Scout</p>  <p>150 - 350 kg 160 - 200 mm</p>	<p>Integral</p>  <p>100 - 150 kg 100 - 200 mm</p>	<p>Integral twin</p>  <p>125 - 250 kg 100 - 150 mm</p>				
<p>Linea clinic</p>  <p>150 - 200 kg 125 - 150 mm</p>	<p>Forma</p>  <p>125 - 150 kg 125 - 150 mm</p>	<p>Aviana care</p>  <p>100 kg 75 mm</p>	<p>Aviana</p>  <p>75 mm</p>				
<p>Agila</p>  <p>40 - 100 kg 50 - 150 mm</p>	<p>Agila twin</p>  <p>50 - 100 kg 50 - 75 mm</p>	<p>Stora</p>  <p>60 - 160 kg 75 - 160 mm</p>	<p>Mono</p>  <p>30 - 70 kg 50 - 100 mm</p>				
<p>E-Drive</p>  <p>125 mm</p>	<p>Alpha</p>  <p>70 - 500 kg 80 - 200 mm</p>	<p>Delta</p>  <p>300 - 600 kg 125 - 200 mm</p>	<p>Delta twin</p>  <p>600 - 750 kg 125 - 200 mm</p>	<p>Galea</p>  <p>60 - 100 kg 100 - 125 mm</p>	<p>Levina</p>  <p>60 - 100 kg 75 - 150 mm</p>	<p>Linea</p>  <p>40 - 150 kg 50 - 150 mm</p>	<p>Anika</p>  <p>40 - 50 kg 55 - 75 mm</p>
<p>Zeta</p>  <p>300 - 800 kg 125 - 250 mm</p>	<p>Kappa</p>  <p>300 - 3.000 kg 80 - 300 mm</p>	<p>Kappa flex</p>  <p>360 - 750 kg 160 - 200 mm</p>	<p>Omikron</p>  <p>900 - 11.000 kg 100 - 500 mm</p>	<p>Lumina</p>  <p>10 - 100 kg 35 - 75 mm</p>	<p>Stylea</p>  <p>40 - 100 kg 35 - 100 mm</p>	<p>Smiles</p>  <p>40 kg 50 mm</p>	<p>Compacta</p>  <p>10 - 55 kg 14 - 50 mm</p>

EXPERTISE THAT INSPIRES

CONTACT US

We are a globally operating company supporting you on five continents. This means on-site support with service on a level playing field – along with in-depth knowledge. Additionally, our solution experts will advise you on the best mobility concept for your needs. Visit our website to find your nearest TENTE location: www.tente.com/locations

INCREASE YOUR EFFICIENCY

Our intelligent mobility solutions help you save time, effort, energy, and operating expenses. This allows you to improve your operating methods and working conditions, thereby optimising your processes and ensuring higher productivity, profitability and safety. Ask for our solutions catalogue or read about how our customers benefit from our tailor-made solutions on our website: www.tente.com/solutions

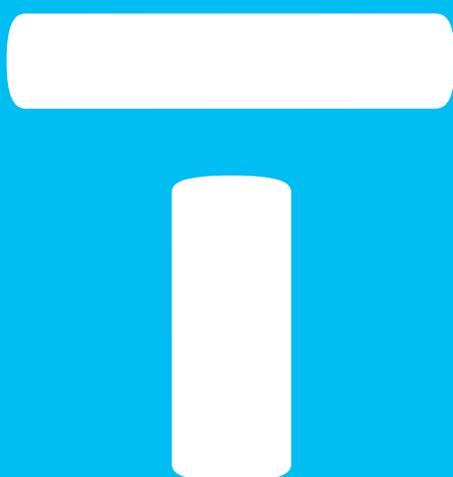
SAVE DEVELOPMENT TIME

On our website you will also find technical drawings, product data sheets and 2D and 3D CAD files in various formats: www.tente.com/linea

GET MORE INFORMATION

In addition to our informative website, you can easily download various catalogues and brochures on mobility solutions, customer references, and much more: www.tente.com/download





www.tente.com



PRODUCTIVITY



SAFETY



DESIGN



DURABILITY



ENVIRONMENT