

PRODUCT INFORMATION

LINEA FOR FURNITURE

 40 - 100 kg  50 - 109,5 mm  50 - 100 mm



TENTE

BETTER MOBILITY. BETTER LIFE.

HOUSINGS

PAGES: 8-11



WHEELS

PAGES: 12-17



FITTINGS

PAGES: 18-27



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:

Robust housing

Twin wheel castor for high load capacity and low height.

Fast assembly

Faster assembly thanks to easy plug-in fittings.

Award-winning design

Awarded with prestigious prizes by international juries.



Deutscher Designer Club



reddot design award

LINEA FAMILY OVERVIEW

PERFECT FOR YOUR 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 more information about this product, please contact us.



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.



Linea load
Robust version which can carry higher loads.

📏 100 kg
⌀ 50 mm

For information on fittings, see pages 20-27



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

📏 40 kg - 100 kg
⌀ 50 - 100 mm

For information on fittings, see pages 20-27



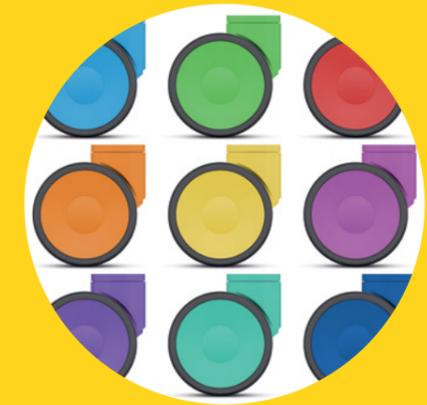
CUSTOMISED DESIGN

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.



Robust housing

Twin wheel castor for high load capacity and low height.



Unbreakable construction

Extremely high shock absorbing.

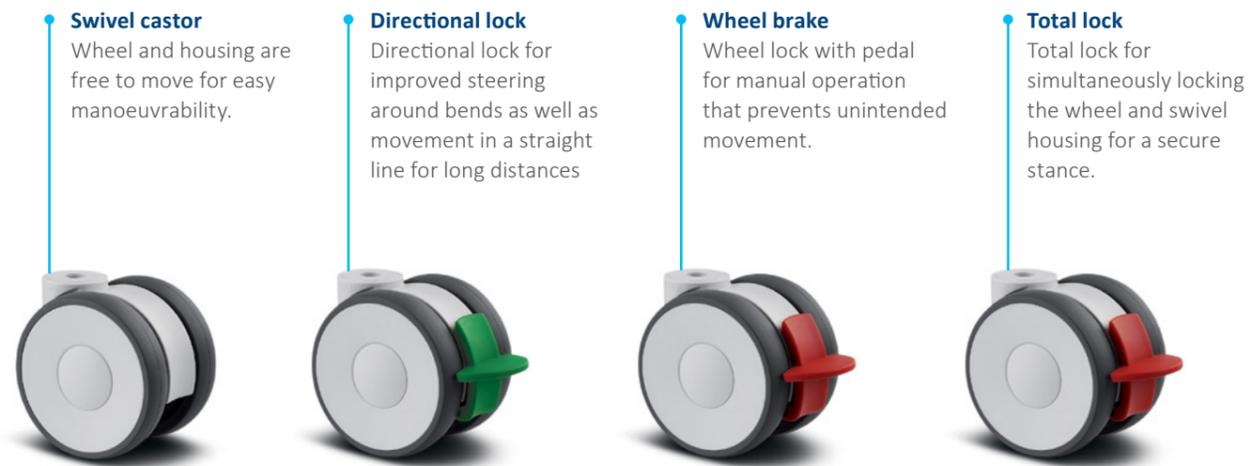


Reduced cleaning

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:



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.



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.

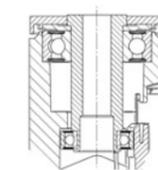
Technical data and availability



Description	Housing type	Swivel castor	Swivel castor with directional lock	Swivel castor with wheel brake	Swivel castor with total lock
	Article description	5940 / 5920	5921	5945 / 5925	5927
	Material	Polyamide	Polyamide	Polyamide	Polyamide
	Swivel bearing	Double precision ball bearing or plain bearing	Double precision ball bearing or plain bearing	Double precision ball bearing or plain bearing	Double precision ball bearing or plain bearing
	Washable*	Optional	Optional	Optional	Optional
Swivel interference	Linea load				
	Wheel Ø 50 mm	92,5 mm	-	104 mm	-
	Linea light				
	Wheel Ø 50 mm	92,5 mm	-	104 mm	-
	Wheel Ø 65 mm	113 mm	-	135 mm	-
Wheel Ø 75 mm	130 mm	162 mm	162 mm	162 mm	
Wheel Ø 100 mm	176 mm	-	206 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



Colour matching

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

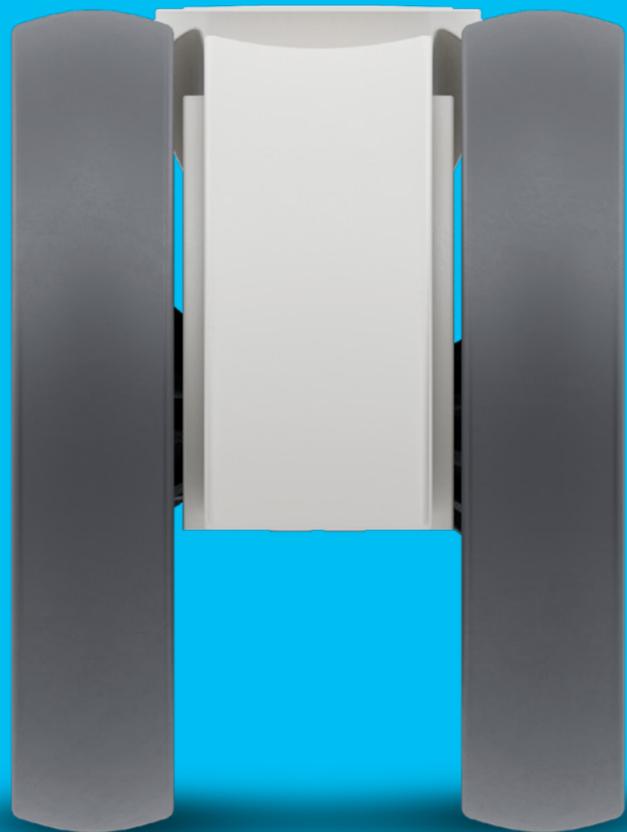
Housing colours:

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

Brake lever colours:

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

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 polypropylene, polyamide or 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.

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	Supratech	Duratech	Maxtech	Maxtech precision	Maxtech stainless	Maxtech conductive	Maxtech precision conductive
	Article description	PJI	POH, POI, UOH, UOI	UAI, UAO	UAP	UAC	XSI, XSO	XSP, XSC
	Tread material	Thermoplastic rubber	Polyamide	Polyurethane	Polyurethane	Polyurethane	Polyurethane	Polyurethane
	Tread hardness*	Shore A 92	Shore A 92	Shore A 92	Shore A 92	Shore A 92	Shore A 92	Shore A 92
	Wheel body material	Polypropylene	Polyamide	Polyamide	Polyamide	Polyamide	Polyamide	Polyamide
	Temperature range	-10 °C / +40 °C	-10 °C / +40 °C	-10 °C / +40 °C	-10 °C / +40 °C	-10 °C / +40 °C	-10 °C / +40 °C	-10 °C / +40 °C
	Width of tread / wheel diameter in mm	13 mm / Ø 50 13,9 mm / Ø 65 15 mm / Ø 75 -	- 13,9 mm / Ø 65 -	13 mm / Ø 50 13,9 mm / Ø 65 15 mm / Ø 75 -	13 mm / Ø 50 13,9 mm / Ø 65 15 mm / Ø 75 20 mm / Ø 100	13 mm / Ø 50 13,9 mm / Ø 65 15 mm / Ø 75 20 mm / Ø 100	13 mm / Ø 50 13,9 mm / Ø 65 15 mm / Ø 75 -	13 mm / Ø 50 13,9 mm / Ø 65 15 mm / Ø 75 20 mm / Ø 100
	Electric conductive (10⁴ OHM)	-	-	-	-	-	●	●
	Washable**	-	-	●	-	●	●	● XSC
	Bearing type	Plain bearing	●	●	●	-	●	●
Precision ball bearing		-	-	-	●	●	-	●
Load capacity	Linea load							
	Wheel Ø 50 mm	-	-	-	100 kg	100 kg	-	100 kg
	Linea light							
	Wheel Ø 50 mm	-	-	50 kg	-	-	50 kg XSI	-
	Wheel Ø 65 mm	40 kg	40 kg POI 50 kg UOI	60 kg	90 kg	-	-	-
	Wheel Ø 75 mm	50 kg	-	60 kg UAI 70 kg UAO	100 kg	100 kg	60 kg XSI 70 kg XSO	100 kg
	Wheel Ø 100 mm	-	-	-	100 kg	100 kg	-	100 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 load (Housing 5920/5925)
- Linea light

EN 12530:

- Linea load (Housing 5940/5945)
- Linea light (Wheel Ø 75 mm)



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



Fast assembly

Faster assembly thanks to easy plug-in fittings.



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.



Chemical-resistant components

Impervious to many cleaning agents and chemical substances.



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).



Uniform design

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



Reliable scanning

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

PLUG-IN PLATE FITTINGS

Different plug-in plate fittings are available for castors with a blind hole fitting.



Technical data and availability

Description	Fitting type	Blind hole	Blind hole	Blind hole	Stem with U-shaped plate	Stem with L-shaped plate	Stem with plate	Stem with plate	Stem with plate	Stem with plate	Stem with plate	
	Article description	L51-8	L51-10	L51-11	P10-40	P11	P41	P41	P41	P40	P41	
	Size of plate	-	-	-	40 x 15 mm 40 x 16 mm 40 x 17 mm 40 x 18 mm 40 x 20 mm 40 x 22 mm 40 x 25 mm	40 x 16 mm 40 x 17 mm 40 x 19 mm 40 x 22 mm 40 x 25 mm	30 x 30 mm	38 x 38 mm	42 x 42 mm	60 x 60 mm	65 x 65 mm	
	Plate hole centres	-	-	-	-	-	20 x 20 mm	27 x 27 mm	32 x 32 mm	48/38 x 48/38 mm	47/42 x 47/42 mm	
	Plate hole Ø	-	-	-	4 mm	4 mm	4,4 mm	5,1 mm	5,1 mm	6,3 mm	6,3 mm	
	Blind hole Ø	8 mm	10 mm	11 mm	-	-	-	-	-	-	-	
	Compatible with blind hole Ø	-	-	-	8 mm 10 mm	8 mm	8 mm	8 mm 10 mm	8 mm 10 mm 11 mm	10 mm 11 mm	10 mm 11 mm	
Overall height	Linea load											
	Wheel Ø 50 mm	50,5 - 51 mm*	50 mm	-	58 mm	58 mm	58 mm	62 mm	62 mm	62 mm	60,5 mm	
	Linea light											
	Wheel Ø 50 mm	50,5 mm	50,5 mm	-	61 mm	61 mm	62 mm	63 mm	63 mm	63 mm	61,5 mm	
	Wheel Ø 65 mm	-	68 mm	-	77 mm	-	-	79 mm	79 mm	79 mm	77,5 mm	
	Wheel Ø 75 mm	-	75,5 mm	-	84,5 mm	-	-	86,5 mm	86,5 mm	86,5 mm	85 mm	
Wheel Ø 100 mm	-	-	100 mm	-	-	-	-	109,5 mm	109,5 mm	108 mm		

Items with this sign "-" are not available in our standard range. Please contact us. Plate fittings with various dimensions can be available or can be made on request.

* 5920 castors have an overall height of 50,5 mm and 5940 castors have an overall height of 51 mm.

PLUG-IN THREADED STEM FITTINGS

Different plug-in threaded stem fittings are available for castors with a blind hole fitting.



Technical data and availability

Description	Fitting type	Blind hole	Blind hole	Blind hole	Threaded stem	Threaded stem	Threaded stem	Threaded stem	Threaded stem with groove for torx	Threaded stem	Threaded stem	
	Article description	L51-8	L51-10	L51-11	S10	S70	S70	S70	S73	S70	S70	
	Threaded stem measurements	-	-	-	7 x 25 mm	M6 x 12 mm M6 x 25 mm M8 x 10 mm M8 x 12 mm M8 x 15 mm M8 x 25 mm M8 x 34 mm M10 x 10 mm M10 x 15 mm M10 x 25 mm	M8 x 15 mm M10 x 25 mm M10 x 35 mm M10 x 50 mm	M10 x 10 mm M10 x 15 mm	M8 x 12 mm	M8 x 25 mm M10 x 15 mm M10 x 25 mm	M10 x 50 mm M10 x 70 mm M12 x 25 mm	
	Blind hole \varnothing	8 mm	10 mm	11 mm	-	-	-	-	-	-	-	
	Compatible with blind hole \varnothing	-	-	-	8 mm	8 mm	10 mm	10 mm	10 mm	11 mm	11 mm	
Overall height	Linea load	-										
	Wheel \varnothing 50 mm	50,5 - 51 mm**	50 mm	-	56 mm	56 mm	56 mm	56 mm	54 mm	-	-	
	Linea light	-										
	Wheel \varnothing 50 mm	50,5 mm	50,5 mm	-	59 mm	58 mm	58 mm	57 mm	54,5 mm	-	-	
	Wheel \varnothing 65 mm	-	68 mm	-	-	-	74 mm	73 mm	71 mm	-	-	
	Wheel \varnothing 75 mm	-	75,5 mm	-	-	-	81,5 mm	80,5 mm	78,5 mm	-	-	
Wheel \varnothing 100 mm	-	-	100 mm	-	-	-	-	-	106 mm	106 - 109 mm*		

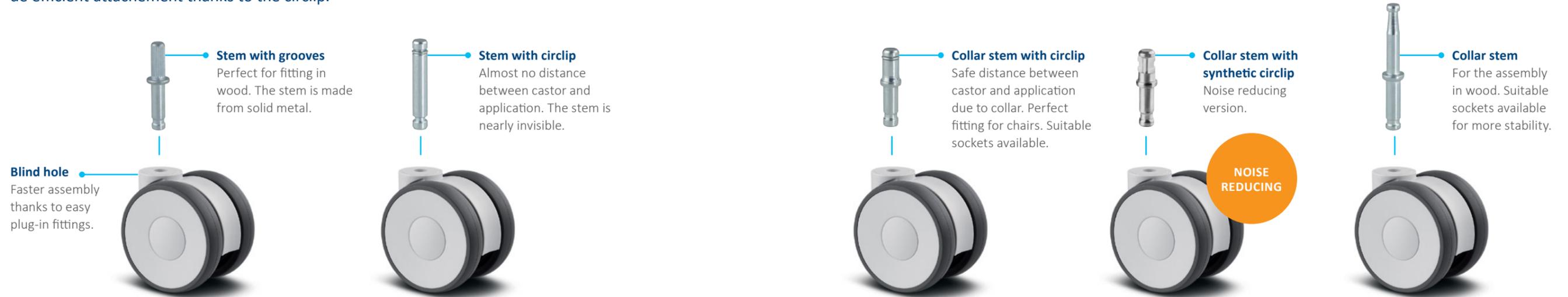
Items with this sign "-" are not available in our standard range. Please contact us.

* The overall height of M10 x 50 mm is 106 mm. The overall height of M10 x 70 mm and M12 x 25 mm is 109 mm.

** 5920 castors have an overall height of 50,5 mm and 5940 castors have an overall height of 51 mm.

PLUG-IN STEM FITTINGS

For all castors with a blind hole fitting, different plug-in fittings are available to allow for faster assembly. These fittings are installation-friendly and provide efficient attachment thanks to the circlip.



Technical data and availability

Description	Fitting type	Blind hole	Blind hole	Blind hole	Stem with grooves	Stem with circlip	Stem with circlip	Collar stem	Collar stem with circlip	Collar stem with synthetic circlip			
	Article description	L51-8	L51-10	L51-11	R10	B11	B11	B20	B10	B10	B10	B10	B40
	Stem measurements (Ø x Length)	-	-	-	8 x 10 mm 8 x 20 mm 8 x 28 mm	8 x 33 mm	10 x 33 mm	7 x 36 mm	10 x 20 mm	11 x 20 mm 11 x 30 mm	11 x 30 mm	9 x 24 mm	11 x 20 mm
	Blind hole Ø	8 mm	10 mm	11 mm	-	-	-	-	-	-	-	-	-
	Compatible with Blind hole Ø	-	-	-	8 mm	8 mm	10 mm	8 mm	10 mm	10 mm	11 mm	10 mm	10 mm 11 mm
Overall height	Linea load												
	Wheel Ø 50 mm	50,5 - 51 mm*	50 mm	-	52,5 mm	-	-	53,5 mm	53,5 mm	54 mm	-	54 mm	54 mm
	Linea light												
	Wheel Ø 50 mm	50,5 mm	50,5 mm	-	55 mm	-	-	56 mm	56 mm	56,5 mm	-	56,5 mm	56,5 mm
	Wheel Ø 65 mm	-	68 mm	-	-	-	-	-	72 mm	72,5 mm	-	72,5 mm	72,5 mm
	Wheel Ø 75 mm	-	75,5 mm	-	-	-	-	-	79,5 mm	80 mm	-	80 mm	80 mm
Wheel Ø 100 mm	-	-	100 mm	-	-	-	-	-	-	104 mm	-	-	

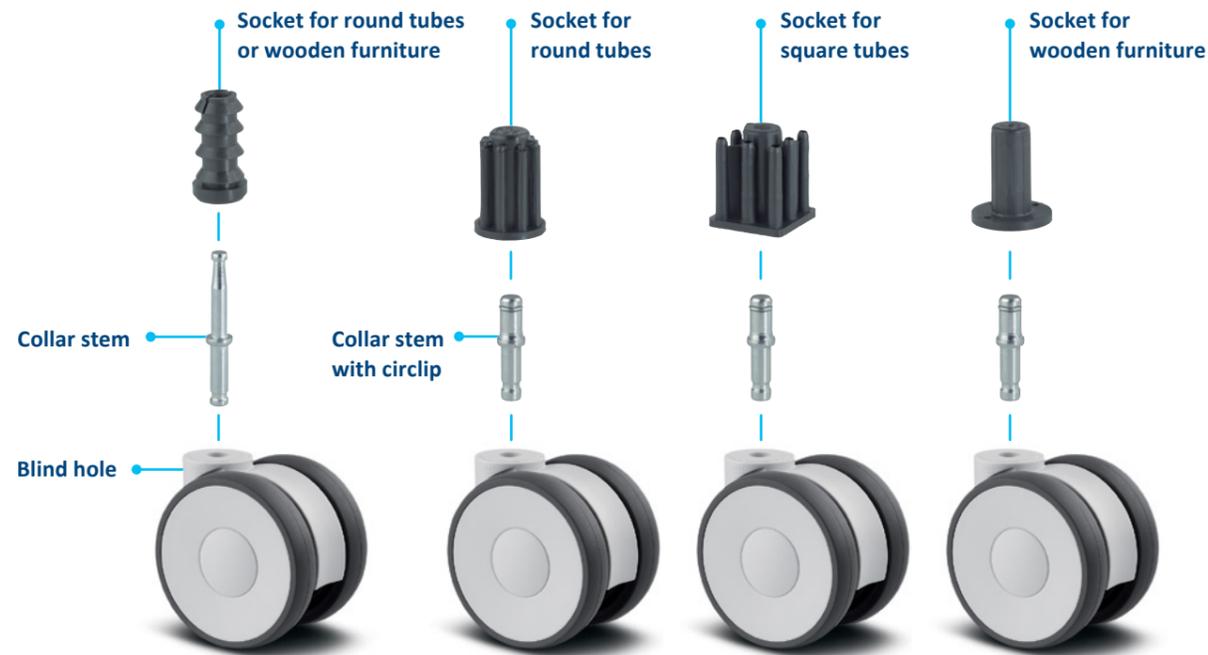
Items with this sign "-" are not available in our standard range. Please contact us.

B40 stem stands for noise reduction stem, to be used in metallic base.

* 5920 castors have an overall height of 50,5 mm and 5940 castors have an overall height of 51 mm.

SOCKETS

Plug-in collar stem fittings can be combined with different sockets for easy and solid assembly.



Technical data and availability

Description	Socket type	Round socket for tubes or wooden furniture*	Round Socket for tubes	Square socket for tubes	Round socket for wooden furniture
	Article description	R20	R20	R40	H40
	Compatible with product	B20 7 x 36 mm	B10 11 x 30 mm	B10 11 x 30 mm	B10 11 x 30 mm
	Socket ϕ / collar ϕ	10 / 18 mm* 12 / 17 mm 13 / 17 mm 14 / 17 mm 16 / 20 mm 18 / 20 mm 20 / 23,5 mm 23 / 25 mm	14 / 18 mm 15 / 18 mm 16 / 18 mm 17 / 19 mm 18 / 20 mm 19 / 21 mm 20 / 21 mm 22 / 25 mm 23 / 26 mm	16 / 20 mm 17 / 19 mm 18 / 20 mm 21 / 23,5 mm 22 / 24,5 mm 23 / 25,5 mm 26 / 30 mm	15 mm
Socket height	27 mm	36 mm	36 mm	36 mm	

* Socket R20 in size 10 / 18 mm is without rips and for wooden furniture, all the others for tubes. It has a height of 29 mm.

PLUG-IN EXPANDING FITTINGS

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



Technical data and availability

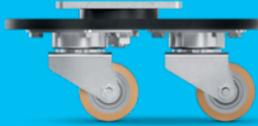
Description	Fitting type	Blind hole	Expander, round	Expander, square
	Article description	L51-10	R07	R47
	Expander measurements	-	ϕ 19 - 21,5 mm ϕ 21,5 - 24 mm ϕ 24 - 27 mm ϕ 27 - 30 mm ϕ 31 - 35 mm	ϕ 21,5 - 24 mm ϕ 24 - 27 mm ϕ 27 - 30 mm ϕ 32 - 35 mm ϕ 36 - 40 mm
	Bolt hole ϕ	10 mm	-	-
Overall height	Compatible with blind hole ϕ	-	10 mm	10 mm
	Linea load			
	Wheel ϕ 50 mm	50,5 mm	62,5 mm	62,5 mm
	Linea light			
	Wheel ϕ 50 mm	50,5 mm	63 mm	63 mm
Wheel ϕ 65 mm	68 mm	80 mm	80 mm	
Wheel ϕ 75 mm	75,5 mm	87 mm	87 mm	
Wheel ϕ 100 mm	-	-	-	

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

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

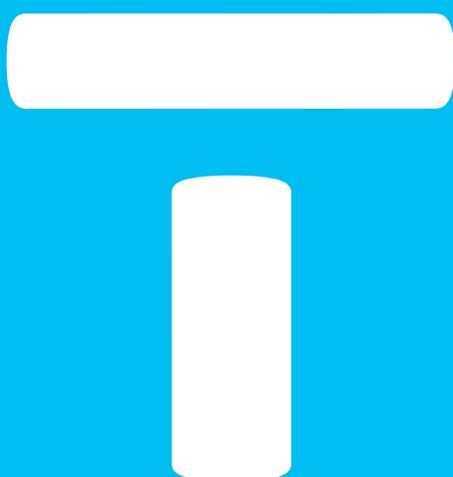
SAVE DEVELOPMENT TIME

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