PRODUCT INFORMATION LEVINA





LEVINA

Full choice of customisable product solutions.



HOUSINGS PAGES: 4-7



WHEELS PAGES: 8-11



FITTINGS
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LEVINA SMART

Variants with optimum manoeuvrability and various braking systems for use on moving walkways.



SMART VERSION PAGES: 24-27

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 of different industries rely on these competencies as well as our high production quality.

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

Quiet rolling

Soft wheel versions for a quiet working environment.

Washability

Optional version with stainless steel metal components for permanent washability.

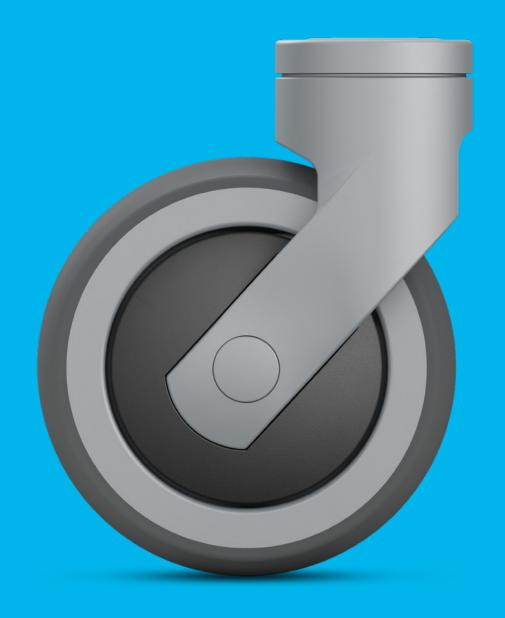
Colour matching

Colours can be adapted to match the product design.





HOUSINGS



FEATURES



Unique shape

Patented housing design with integrated thread guard.



Ergonomic foot pedal

Extra long housing for a better access to the brake pedal and increased user-friendliness.



Unbreakable construction

Extremely high shock absorbing.



Optimised steering mechanism

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



Secured stand

Total lock for simultaneously locking the wheel and swivel housing.



Easy steering

Swivel head with two ball races.



Colour matching

Colours can be adapted to match the product design. Please contact us for your desired colour.

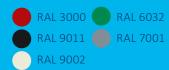
Standard colours:





User-friendly colour scheme

Green foot pedal for directional lock and red foot pedal for total lock. Foot pedal colours:





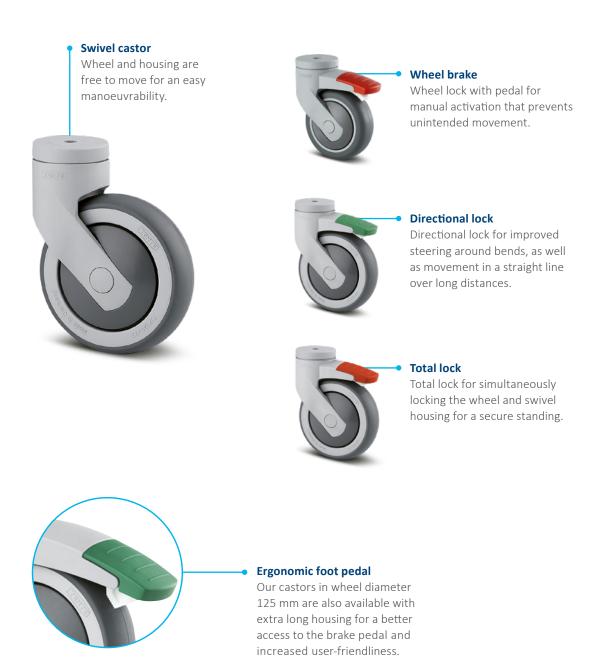
Washability

Optional version with metal components made of stainless steel for permanent washability.

HOUSINGS

The housing is made of reinforced, glass-filled polyamide with a slim shaped fork. It benefits from extremely high shock absorption. The low-maintenance design with integrated thread guards help to avoid obstructions. An electrical conductive version is also available.

The materials 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 resistant to many cleaning agents and chemical substances.



Standard castors











i	Housing type	Swivel castor	Swivel castor	Swivel castor with wheel brake	Swivel castor with directional lock	Swivel castor with total lock
	Article description	5320	5370	5325	5371	5377
uc	Material	Reinforced, glass filled polyamide	Reinforced, glass filled polyamide	Reinforced, glass filled polyamide	Reinforced, glass filled polyamide	Reinforced, glass filled polyamide
Description	Swivel bearing	Plain bearing	Two ball races	Plain bearing	Two ball races	Two ball races
Des	Washable	-	-	-	-	-
	Wheel Ø 75 mm	129 mm	-	146 mm	-	-
	Wheel Ø 100 mm	-	172 mm	-	196 mm	196 mm
Swivel interference	Wheel Ø 125 mm	-	201 mm	-	201 mm	201 mm
Swir	Wheel Ø 150 mm	-	226 mm	-	240 mm	240 mm

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

Washable castors







i	Housing type	Swivel castor	Swivel castor with directional lock	Swivel castor with total lock
	Article description	5380	5381	5387
Material		Reinforced, glass filled polyamide	Reinforced, glass filled polyamide	Reinforced, glass filled polyamide
Description	Swivel bearing	Two ball races, stainless	Two ball races, stainless	Two ball races, stainless
Desc	Washable*	•	•	•
	Wheel Ø 75 mm	-	-	-
Jce	Wheel Ø 100 mm	172 mm	196 mm	196 mm
Swivel interference	Wheel Ø 125 mm	201 mm	201 mm	201 mm
Swi	Wheel Ø 150 mm	226 mm	240 mm	240 mm

manoeuvrability.

Two ball races for best

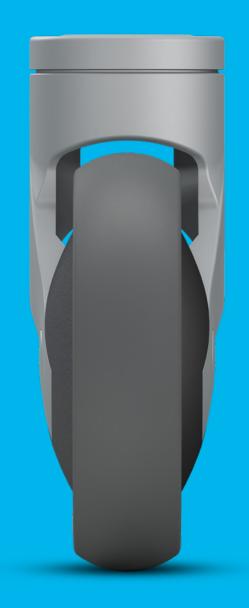
Swivel bearings

Plain bearing for plug-in fittings.

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^{*} Washable versions with metal components made of stainless steel.

WHEELS



FEATURES



Quiet rolling

Soft wheel versions for a quiet working environment.



Prevents unintended movement

Wheel brake with pedal for manual activation.



Certified conductivity

Conductive version to protect users and electrical devices from electrostatic discharge.



Non-marking movement

Wheels with reduced abrasion and little cleaning requirement.



Low-maintenance wheels

Thread guards for unobstructed operation with minimal cleaning effort.



Protective seal

Wheels with sealed 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.



Colour matching

Colours can be adapted to match the product design. Please contact us for your desired colour. Standard colours:



RAL 9011 RAL 7001





Compliant version

Used in commercial kitchens (DIN 18867 Part 8) and for the food industry (Lerpac-approval).

WHEELS

The characteristics of a wheel depend on the material and the bearing. These wheels benefit from reduced abrasion and little cleaning requirement for non-marking movement are non-staining on contact with floors during long standing periods and they can also be used for floors made of untreated wood and natural stone.

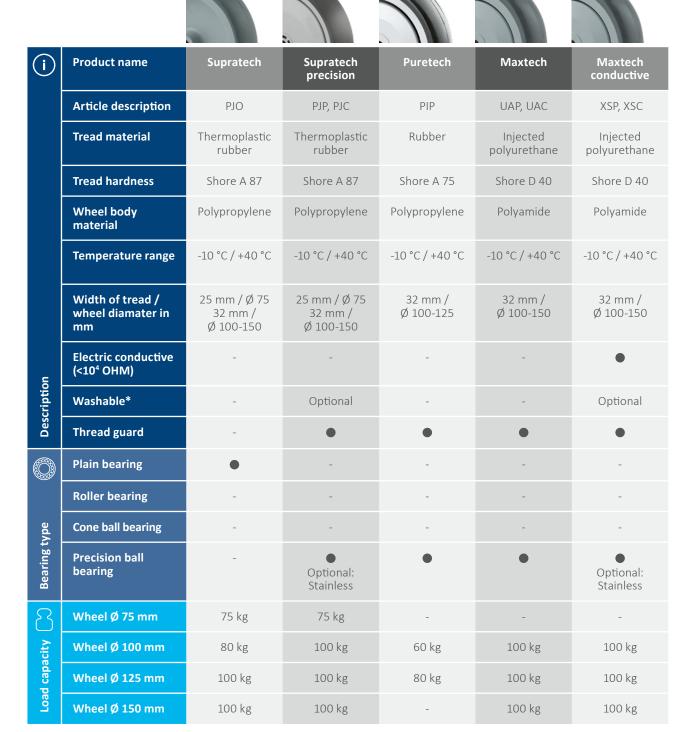




Certified conductivity

Conductive version available to protect users and electrical devices from electrostatic discharge.

Technical data and availability



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The mentioned load capacity is only valid for the Levina product family. The load capacity of a single wheel without housing could be different.

* Washable castors have a stainless steel precision ball bearing.

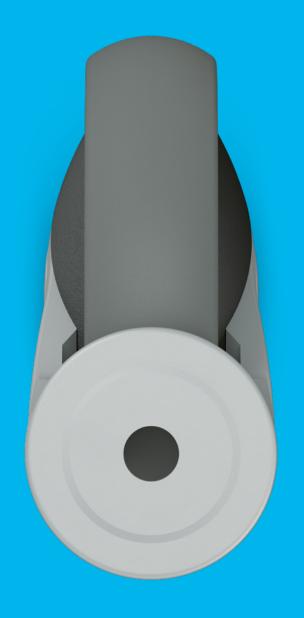


Load capacity

The load capacity depends on the housing and wheel. It has been tested and fulfills the requirements according to EN 12530 at a speed of 3 km/h. 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.

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

FITTINGS



FEATURES



Fast assembly

Faster assembly thanks to easy plug-in fittings.



Quiet rolling

Noise-reduced fittings for a quiet working environment.



Variable fitting options

Wide range of fittings in various sizes.

PLATE FITTINGS

These castors benefit from a secure connection with four screws. For long-lasting use, all fittings of the Levina product family are designed with high quality zinc plating and blue passivation or stainless steel.



Technical data and availability

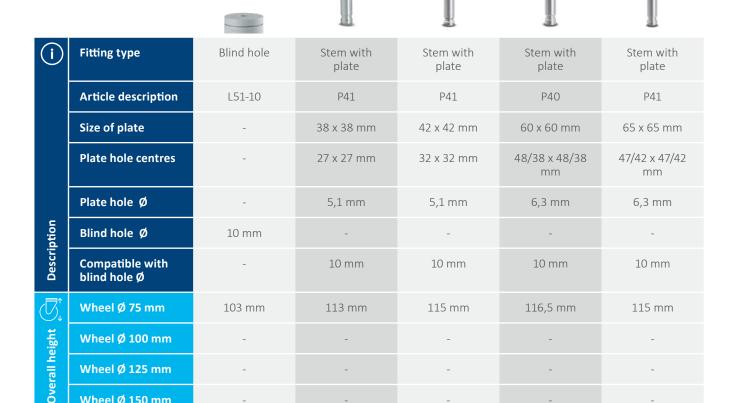
i	Fitting type Plate		Plate	Plate
	Article description	P50	P51	P52
	Size of plate	77 x 67 mm	95 x 70 mm	95 x 70 mm
Description	Plate hole centres	61,5/56 x 51,5/46,5 mm	75 x 50 mm	52/44,45 x 76/72 mm
Des	Plate hole Ø	8,5 mm	11 mm	11 mm
	Wheel Ø 75 mm	-	-	-
eight	Wheel Ø 100 mm	137 mm	141 mm	141 mm
Overall height	Wheel Ø 125 mm	161 mm	165 mm	165 mm
OVe	Wheel Ø 150 mm	190 mm	194 mm	194 mm

PLUG-IN PLATE FITTINGS

For castors with the blind hole fitting, different plug-in plate fittings are available.



Technical data and availability



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

Wheel Ø 150 mm

BOLT HOLE FITTINGS

The bolt hole has a solid fixing with M10 or M12 screws. There are two different features available.



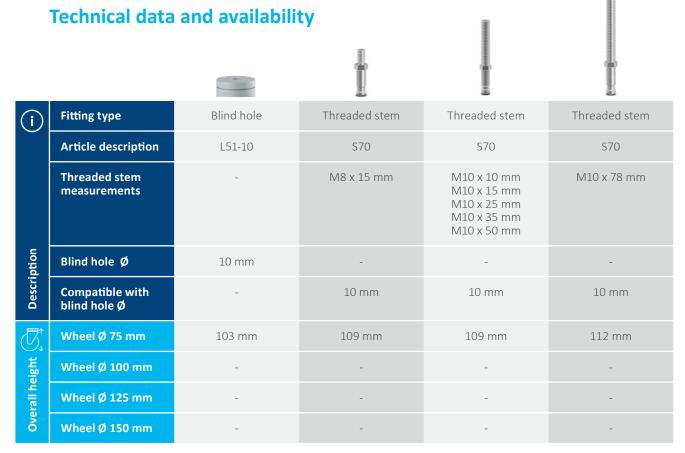
Technical data and availability

(i)	Fitting type	Bolt hole	Bolt hole
Description	Article description	P30	P30
Desci	Bolt hole Ø	11 mm	13 mm
	Wheel Ø 75 mm	-	-
eight	Wheel Ø 100 mm	137 mm	137 mm
Overall height	Wheel Ø 125 mm	161 mm	161 mm
Ove	Wheel Ø 150 mm	190 mm	190 mm

PLUG-IN THREADED STEM FITTINGS

For all castors with a blind hole fitting, plug-in threaded stem fittings are available.





SOLID STEM FITTINGS

We offer solid stem fittings with suitable adaptors for an easy mounting in tubes. For long-lasting use, all fittings of the Levina product family are designed with high quality zinc plating and blue passivation or stainless steel.

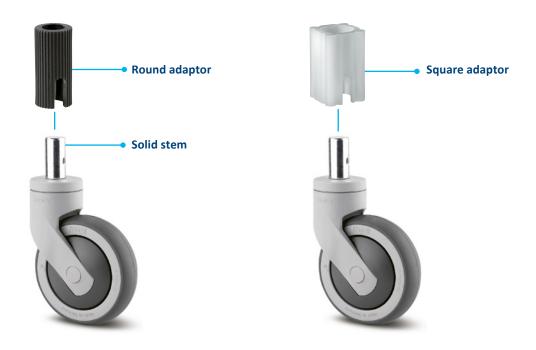


Technical data and availability



ADAPTORS FOR TUBES

For the solid stem fittings, different adaptors are available to fit round and square tubes.



Technical data and availability







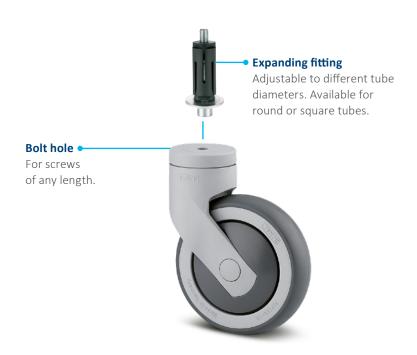




i	Tube type	Round	Round	Square	Square	Square
	Article description	R08	R08	R48	R48	R48
	Compatible with product	R05	R05	R05	R05	R05
<u> </u>	Adaptor measurements	Ø 22 mm Ø 22,5 mm Ø 30 mm	Ø 28 mm Ø 30 mm	22,5 x 22,5 mm 27,5 x 27,5 mm	27 x 27 mm 32 x 32 mm 36 x 36 mm	33,65 x 33,65 mm 36 x 36 mm
Description	Solid stem Ø	18 mm	22 mm	18 mm	22 mm	28 mm
Des	Solid stem length	62 mm	45 mm	62 mm	45 & 60 mm	45 & 60 mm

EXPANDING FITTINGS FOR TUBES

Adjustable expanders allow for flexible installation in different tubes. It is available for all castors with bolt holes in diameter 11 mm.



Technical data and availability





		12:375	411	
i	Fitting type	Bolt hole	Expander, round	Expander, square
	Article description	P30	R07	R47
	Expander measurements	-	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
ption	Bolt hole Ø	11 mm	-	-
Description	Compatible with bolt hole Ø	-	11 mm	11 mm
	Wheel Ø 75 mm	-	-	-
ight	Wheel Ø 100 mm	137 mm	•	•
Overall height	Wheel Ø 125 mm	161 mm	•	•
Ove	Wheel Ø 150 mm	190 mm	•	•

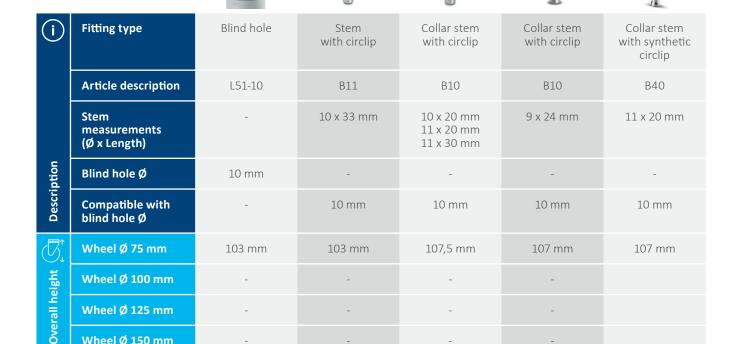
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PLUG-IN STEM FITTINGS

For all castors with a blind hole fitting, different plug-in fittings are available to help ensure a faster assembly.



Technical data and availability



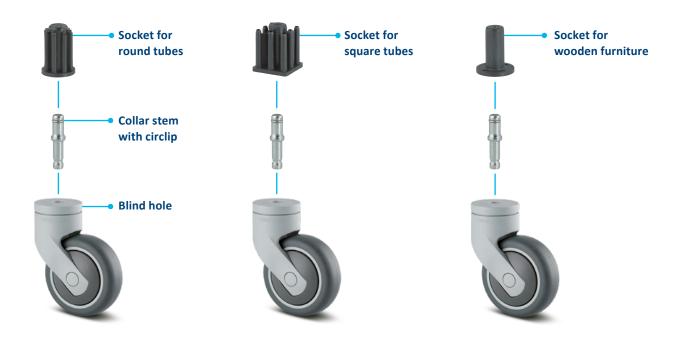
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Wheel Ø 125 mm

Wheel Ø 150 mm

SOCKETS

The plug-in collar stem fittings can be used with different sockets for an easy and solid assembly under different applications.



Technical data and availability



ADDITIONAL FEATURES



Award-winning design

Presented with prestigious awards by international juries.



Chemical-resistant components

Insensitive to many cleaning agents and chemical substances.



Tested quality

Tested in our own test 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

Non-magnetic (completely metal free) for security scanners and magnetic resonance imaging (MRI).

More information on request.

LEVINA SMART



LEVINA SMART

The Levina is also available as a "smart" version, with a wheel diameter of 125 mm. Its special feature is the precision ball bearing in its swivel head, which ensures maximum manoeuvrability. A soft wheel version and housing made of high grade synthetic material ensures quiet rolling. In addition to the swivel castor we offer different castor versions for safe operation on moving walkways.





Safe operation on walkways

In order to ensure safe operation on moving walkways, we offer a wheel with brake function or a thread guard with an integrated brake shoe (or a combination of both).

Housing version







i	Housing type Swivel castor		Swivel castor for walkways	Swivel castor for walkways
	Article description	5340	5345	5845
	Material	Reinforced, glass filled polyamide	Reinforced, glass filled polyamide	Reinforced, glass filled polyamide
ption	Swivel bearing	Precision ball bearing	Precision ball bearing	Precision ball bearing
Description	Brake function on walkways	-	•	•
	Wheel Ø 125 mm	201 mm	203 mm	203 mm
Swivel interference				



Colour matching

Colours can be adapted to match the product design.

Standard colours:



RAL 7001

RAL 7015

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

Wheel versions







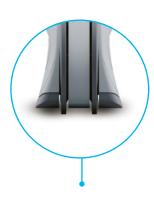


i	Product name	Supratech precision	Maxtech	Maxtech	Maxtech
	Article description	РЈР	QAP	QAP	QMP
	Compatible with housing type	5340	5345	5845	5845
	Tread material	Thermoplastic rubber	Polyurethane	Polyurethane	Polyurethane
	Tread hardness	Shore A 85	Shore A 65	Shore A 65	Shore A 65
	Wheel body material	Polypropylene	Polyurethane	Polyurethane	Polyurethane
	Temperature range	-20 °C / +40 °C	-20 °C / +40 °C	-20 °C / +40 °C	-20 °C / +40 °C
	Width of tread	32 mm	2 x 4,5 mm	2 x 4,5 mm	32 mm
	Thread guard	Integrated in housing	Integrated in housing	Integrated in housing	Integrated in housing
	Twin wheel with brake function	-	•	•	-
Description	Brake shoe integrated in thread guard with brake function	-	-	•	•
	Plain bearing	-	-	-	-
d)	Roller bearing	-	-	-	-
3earing type	Cone ball bearing	-	-	-	-
Bearin	Precision ball bearing	•	•	•	•
Load Capacity	Wheel Ø 125 mm	100 kg	60 kg	60 kg	80 kg



Efficient self-cleaning

A castor with housing 5845 and QMP wheel has self-cleaning tracks which automatically remove dirt and stones from the wheel.



Maximum safety

A swivel castor with housing 5845 and QAP wheel has a double breaking function on moving walkways. Firstly with the break shoe in the housing and, secondly, with the brake function in the double wheel.

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 Levina smart product family. The load capacity of a single wheel without housing could be different.



Load capacity

The load capacity depends on the housing and wheel. It has been tested and fulfills the requirements according to EN 12530 at a speed of 3 km/h. When using four castors, to determine the necessary load capacity use the equation as follows: The sum of the weight of your application plus the additional load divided by three castors.

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

Fitting versions

Hex screw fitting



i	Fitting type	Hex screw, loose fitted
ption	Article description	\$60
Description	Threaded stem measurements	M 10 x 15 mm M 12 x 15 mm
	Wheel Ø 125 mm	155 mm
Overall height		

Bolt hole fitting



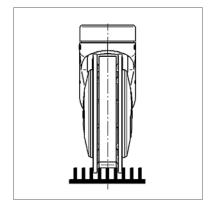


Important notice for walkway castors

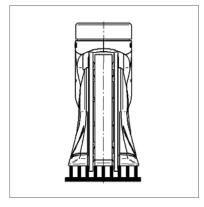
Designed for the following pallet size: Track width: approx. 2,75 mm Groove width: approx. 5,7 mm Groove depth: > 10 mm Use on uneven floors, outdoors (ground beams, gaps, joints, manhole covers, etc.) can affect the life expectancy of castors.

Please note that according to EN1929 only castors with a minimum wheel diameter of 120 mm can be used on walkways. Furthermore the total load capacity of the trolley shall not exceed 160 kg when used on walkways.

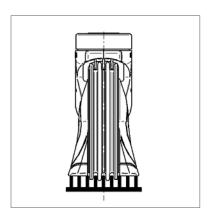
Technical drawings



Double wheel "QAP" with brake function.



Double wheel "QAP" with brake function and integrated brake shoe.



Wheel "QMP" with integrated brake shoe.

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. Contact us for more information or visit our website: www.tente.com



300 - 2.000 kg

Ø 80 - 300 mm

8 360 - 750 kg

200 mm

Delta twin

Omikron

8 900 - 11.000 kg

Ø 100 - 500 mm

300 - 800 kg

125 - 250 mm

Radiata 1.200 - 1.500 kg @ 80 mm Linea clinic





















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. Go here 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

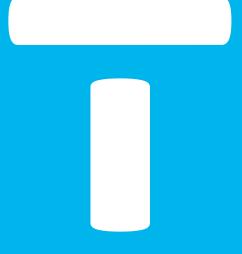
SAVE DEVELOPMENT TIME

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

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





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DESIGN

ITY ENVIRONMENT