PRODUCT INFORMATION **AGILA**







AGILA Full choice of customisable product solutions.



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AGILA SMART Selected standard products.



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

On the following pages you will find technical information of our Agila product range. We will demonstrate the added value this mobility solution offers to your organisation. Among others:

Variable fitting options

Different fitting dimensions for a large range of applications.

User-friendly central lock

Simultaneous locking of more than one castor using a central actuation lever.

Certified conductivity

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

HOUSINGS



FEATURES



Optimised steering mechanism

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



User-friendly central lock

Simultaneous locking of more than one castor using a central actuation lever.



Secured stand

Total lock for swivel housing and locking the wheel simultaneously.



Painted surface

Black housing with bump and scratch resistant cathode immersion paint.



Compliant version

For use in commercial kitchens (DIN 18867 Part 8).



Resourceconserving part replacement

Threaded axles allow for effortless wheel change.

HOUSINGS

The housings are made of pressed steel, which is bright zinc plated and blue passivated. The wheel axle with nut makes it possible for an easy exchange of the wheel, resulting in reduced maintenance costs.

The Agila is also available in a stainless steel version or as twin wheel castor with increased manoeuvrability due to differential effect. Please contact us for more information.



Swivel castor

Swivel housing for easy manoeuvrability in all directions.



Wheel brake

Manually operated pedal lock prevents unintended movement.



Central directional and total lock

User-friendly central lock for simultaneous locking of more than one castor using a central actuation lever. Combined directional lock for improved steering around bends, as well as movement in a straight line over long distances. Also a total lock for simultaneously locking the wheel and swivel housing for a secure standing.



Central total lock

User-friendly central lock for simultaneous locking of more than one castor using a central actuation lever. Total lock for simultaneously locking the wheel and swivel housing for a secure standing.



Directional lock

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



Total lock

The total lock simultaneously locks the wheel and swivel housing for a secure standing.



Fixed castor

Wheel and housing are fixed for standard functionality. The castor is continuously aligned in the direction of travel.

Technical data and availability



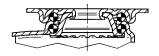




	i Housing type	Swivel castor	Swivel castor with wheel brake	Swivel castor with directional lock
	Article description	2470	2475	2471
	Material	Pressed steel	Pressed steel	Pressed steel
	Material Swivel bearing	Double ball bearing swivel head	Double ball bearing swivel head	Double ball bearing swivel head
(Wheel Ø 50 mm	98 mm	98 mm	-
	Wheel Ø 75 mm	123 mm	160 mm	-
	Wheel Ø 100 mm	176 mm	-	262 mm
	Wheel Ø 100 mm Wheel Ø 125 mm Wheel Ø 150 mm	207 mm	-	262 mm
	Wheel Ø 150 mm	240 mm	-	262 mm

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

Swivel bearings



Two ball races for best manoeuvrability.









Swivel castor with central directional and total lock	Swivel castor with central total lock	Swivel castor with total lock	Fixed castor
2474	2476	2477	2478
Pressed steel	Pressed steel	Pressed steel	Pressed steel
Double ball bearing swivel head	Double ball bearing swivel head	Double ball bearing swivel head	-
-	-	-	•
-	-	160 mm	•
176 mm	176 mm	262 mm	•
207 mm	207 mm	262 mm	•
240 mm	240 mm	262 mm	•



Washability

The Agila is also available in a stainless steel version for washablility. Please contact us for more information.



Optimised manoeuvrability

The Agila is also available as a twin wheel castor with high manoeuvrability due to differential effect. Please contact us for more information.

WHEELS



FEATURES



Low-vibration transport

Extra soft wheels with good shock-absorbing properties.



Sterile cleaning

Wheels for steam sterilisation in autoclaves used in sterile areas.



Constant heat resistance

Duratech wheels made of heat resistant material for use in extreme environments.



Protective seal

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



Quiet rolling

Soft wheel versions for a quiet working environment.



Non-marking movement

Wheels with reduced abrasion and minimal cleaning effort.



Non-staining operation

Non-staining on contact with floors when left standing for long periods.



Low-maintenance wheels

Thread guards for unobstructed operation with minimal cleaning effort.



Certified conductivity

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

WHEELS

The characteristics of our wheel range are as diverse as their uses. Precisely adapted to the required parameters, they provide optimal manoeuvrability with perfectly matched components, even under the most extreme conditions. You'll discover a wide range of wheels in our Agila product range. Here are the four wheel types.



Puretech

Robust wheel with rubber tread for versatile use. Protection through low-vibration transport. An electric conductive version is also available.



Supratech

All-around smooth-running wheel with thermoplastic rubber tread. Excellent performance in manoeuvrability and mobility due to the use of high-performance material. A washable and electric conductive version is also available.



Maxtech

Perfect for a functional design, injection-moulded polyurethane. Optimal material properties for any purpose. An electric conductive version is also available.



Duratech

Stable and indestructible, made of polyamide and thermosetting plastic with an abrasion-resistant tread.



Technical data and availability











i	Product name	Puretech	Puretech precision	Puretech steel	Puretech conductive	Supratech
	Article description	PIO	PIP	DIK	DYK	РЛ
	Tread material	Solid rubber, grey non-marking	Solid rubber, grey non-marking	Solid rubber, grey non-marking	Solid rubber, black non-staining	Thermoplastic rubber, grey non-marking
	Tread hardness	Shore A 80	Shore A 75	Shore A 80	Shore A 80	Shore A 87
	Wheel body material	Polypropylene	Polypropylene	Pressed steel	Pressed steel	Polypropylene
	Thread guard	-	-	Pressed steel	Pressed steel	-
	Temperature range	-20 °C / +60 °C	-20 °C / +60 °C	-20 °C / +85 °C	-20 °C / +85 °C	-20 °C / +60 °C
ption	Width of tread in mm / wheel diameter in mm	- 25 / Ø 75 32 / Ø 100 - 150	25 / Ø 75 32 / Ø 100 - 150	19 / Ø 50 25 / Ø 75 32 / Ø 100 - 150	19 / Ø 50 25 / Ø 75 32 / Ø 100 - 150	19 / Ø 50 25 / Ø 75 32 / Ø 100 - 150
Description	Electric conductive (10 ⁴ OHM)	-	-	-	•	-
	Plain bearing	•	-	-	-	•
	Roller bearing	-	-	-	-	-
Bearing type	Cone ball bearing	-	-	•	•	-
Beal	Precision ball bearing	-	•	-	-	-
8	Wheel Ø 50 mm	-	-	40 kg	40 kg	40 kg
	Wheel Ø 75 mm	60 kg	60 kg	55 kg	55 kg	-
acity	Wheel Ø 100 mm	60 kg	80 kg	80 kg	80 kg	-
Load capacity	Wheel Ø 125 mm	80 kg	100 kg	100 kg	100 kg	-
Loa	Wheel Ø 150 mm	80 kg	80 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 Agila pressed steel single wheel castors.

Bearing types



Plain bearing for short distances.



Cone ball bearing provides improved rolling properties.



Precision ball bearing for highest performance.







	1000					
Supratech precision	Supratech conductive	Maxtech precision	Maxtech	Maxtech conductive	Duratech	Duratech
РЈР	YGO	UAP	UAK	XSP	UOO	UOK
Thermoplastic rubber, grey non-marking	Thermoplastic rubber, grey non-marking	Polyurethane	Polyurethane	Polyurethane	Polyamide	Polyamide
Shore A 85	Shore A 85	Shore D 40	Shore D 40	Shore D 40	Shore D 75	Shore D 75
Polypropylene	Polypropylene	Polyamide	Polyamide	Polyamide	Polyamide	Polyamide
• Polypropylene	-	• Polyamide	Pressed steel	• Polyamide	-	Pressed steel
-20 °C / +60 °C	-20 °C / +60 °C	-40 °C / +80 °C	-40 °C / +80 °C	-40 °C / +80 °C	-40 °C / +80 °C	-40 °C / +80 °C
25 / Ø 75 32 / Ø 100 - 150	19 / Ø 50 25 / Ø 75 32 / Ø 100 - 125	20 / Ø 50 - 32 / Ø 100 - 150	20 / Ø 50 - -	- - 32 / Ø 100 - 150	20 / Ø 50 - -	19 / Ø 50 - -
-	•	-	-	•	-	-
-	•	-	-	-	•	-
-	-	-	-	-	-	-
-	-	-	•	-	-	•
•	-	•	-	•	-	-
-	50 kg	40 kg	50 kg	-	50 kg	50 kg
75 kg	75 kg	-	-	100 kg	-	-
100 kg	80 kg	100 kg	-	100 kg	-	-
100 kg	100 kg	100 kg	-	100 kg	-	-
100 kg	-	100 kg	-	100 kg	-	-



Load capacity

The load capacity depends on the housing and wheels. Each has been tested and fulfills the requirements according to EN 12528 and EN 12530 at a speed of 4 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.

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



Temperature range

Castors with an expander fitting have a lower temperature range of $-10 \,^{\circ}\text{C}$ / $+40 \,^{\circ}\text{C}$.

FITTINGS



FEATURES



Variable fitting options

Different fitting dimensions for a large range of applications.



Fast assembly

Faster assembly process through the use of plugin fittings.

ADDITIONAL FEATURES



Practical system solution

Practical system solution with all the technical components for central locking.



Colour matching

Colours can be adapted to match the product design.



Non-hazardous materials

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



Tested quality

Tested in our own laboratory for compliance with European standards.

PLATE FITTINGS

The fitting of a castor is dependent on the application it's being attached to. With plate fittings, the castors can be screwed under the device with four screws. This ensures a simple and robust connection.





Fixed plates P50The longside of plate is 90° in the direction of travel.

Technical data and availability

			V			
(i)	Fitting type	Swivel plate	Fixed plate	Swivel plate	Fixed plate	Fixed plate
	Article description	P40	P41	P50	P50	P60
	Size of plate	60 x 60 mm	55 x 55 mm	77 x 67 mm	77 x 67 mm	67 x 60 mm
Description	Plate hole centres in mm	48/38 x 48/38	44/38,5 x 44/38,5	61,5/56 x 51,5/46,5	61,5/56 x 51,5/46,5	48/40 x 48/40
Desc	Plate hole Ø	6,3 mm	6,3 mm	8,5 mm	8,5 mm	6,3 mm
	Wheel Ø 50 mm	69 mm	69 mm	-	-	-
·	Wheel Ø 75 mm	100 mm	-	-	-	100 mm
eight	Wheel Ø 100 mm	-	-	135 mm	135 mm	-
Overall height	Wheel Ø 125 mm	-	-	160 mm	160 mm	-
Ove	Wheel Ø 150 mm	-	-	185 mm	185 mm	-

BOLT HOLE FITTINGS

A bolt hole offers the option to fix the application to the castor with a standard screw M10 or M12. Screws of any length can be used.



Technical data and availability

i	Fitting type	Bolt hole	Bolt hole
ption	Article description	P30-11	P30-13
Description	Bolt hole Ø	11 mm	13 mm
	Wheel Ø 50 mm	69 mm	-
	Wheel Ø 75 mm	100 mm	-
eight	Wheel Ø 100 mm	135 mm	135 mm
Overall height	Wheel Ø 125 mm	160 mm	160 mm
Ove	Wheel Ø 150 mm	185 mm	185 mm

SOLID STEM FITTINGS

For easy mounting into tubes, we offer solid stem fittings with suitable adaptors. All fittings are made with high quality bright zinc plating and blue passivated to ensure long-lasting use.



Technical data and availability





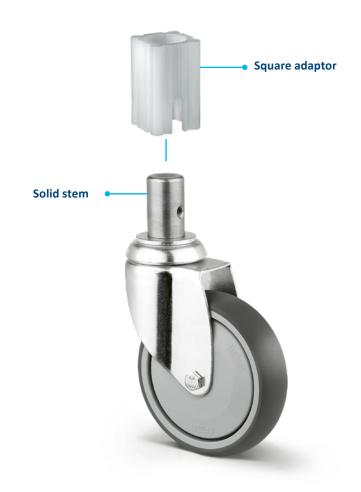




i	Fitting type	Solid stem	Solid stem	Solid stem with central total and directional lock	Solid stem with central total and directional lock
	Article description	R05-28	R05-32	R26-28	R36-32
	Thread for fixation screw	M8	M8	4 x M8	4 x M6
	Thread position from bottom	19 mm	19 mm	19 mm	7 mm
	Solid stem Ø	28 mm	32 mm	28 mm	32 mm
ption	Solid stem length	45 mm	45 mm	96 mm	50 mm
Description	Shifting angles for actuation forces	-	-	2 x 45°	2 x 30°
	Wheel Ø 50 mm	-	-	-	-
	Wheel Ø 75 mm	-	-	-	-
eight	Wheel Ø 100 mm	138 mm	138 mm	138 mm	138 mm
Overall height	Wheel Ø 125 mm	163 mm	163 mm	163 mm	163 mm
Ove	Wheel Ø 150 mm	188 mm	188 mm	188 mm	188 mm

ADAPTORS FOR TUBES

For a flexible mounting in square tubes, an adaptor is available for solid stem fittings.



Technical data and availability



(i)	Tube type	Square	
	Article description	R48	
	Compatible with product	R05-28	
	Adaptor measurements	33,65 x 33,65 mm 36 x 36 mm	
ption	Solid stem Ø	28 mm	
Description	Solid stem length	45 and 60 mm	

EXPANDING FITTINGS FOR TUBES

For an easy mounting into tubes, we offer for bolt hole fittings suitable expanding fittings. The adjustable expanders allow for flexible installation in different tube sizes.



Technical data and availability







		100		_
i	Fitting type	Bolt hole	Expander, round	Expander, square
	Article description	P30-11	R07	R47
	Bolt hole Ø	11 mm	-	-
	Compatible with	R07 and R47	P30-11	P30-11
Description	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
	Wheel Ø 50 mm	69 mm	-	-
	Wheel Ø 75 mm	100 mm	103 mm	103 mm
eight	Wheel Ø 100 mm	135 mm	138 mm	138 mm
Overall height	Wheel Ø 125 mm	160 mm	163 mm	163 mm
Ove	Wheel Ø 150 mm	185 mm	188 mm	188 mm



Expander fittings

Our expanders and castors can be delivered separately or completely assembled. Castors with an expander fitting have a lower temperature range of -10 °C / +40 °C.

STEM FITTINGS

These fittings are installation-friendly and provide additional safety due to the circlip.



Technical data and availability



(i)	Fitting type	Stem with circlip
Description	Article description	B10
	Stem measurements	11 x 31 mm
Des	Stem Ø	11 mm
	Wheel Ø 50 mm	72 mm
eight	Wheel Ø 75 mm	103 mm
Overall height	Wheel Ø 100 mm	-
Ove	Wheel Ø 125 mm	-

SOCKETS

Different sockets are available for castors with a stem fitting.



Technical data and availability



AGILA SMART



AGILA SMART

The Agila also has a smart version available. These are selected standard products with less load capacity. There are two different housing types available.

AGILA SMART FOR LOADS UP TO 70 KG

Housing versions

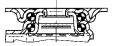






i	Housing type	Swivel castor	Swivel castor with wheel brake	Swivel castor with total lock
	Article description	1470	1475	1477
ption	Material	Pressed steel	Pressed steel	Pressed steel
Description	Swivel bearing	Double ball bearing swivel head	Double ball bearing swivel head	Double ball bearing swivel head
	Wheel Ø 50 mm	100 mm	128 mm	-
	Wheel Ø 75 mm	125 mm	-	156 mm
Jce	Wheel Ø 100 mm	156 mm	-	174 mm
Swivel interference	Wheel Ø 125 mm	201 mm	-	-
Swi	Wheel Ø 150 mm	-	-	-

Swivel bearing



Precision ball bearing for best manoeuvrability.

Wheel versions



i	Product name	Maxtech	Basetech	Basetech
	Article description	PAO	POI	POO
	Tread material	Polyurethane	Polypropylene	Polypropylene
	Tread hardness	Shore D 40	Shore D 65	Shore D 65
	Wheel body material	Polypropylene	Polypropylene	Polypropylene
	Thread guard	-	-	-
	Temperature range	-20 °C / +60 °C	-20 °C / +60 °C	-20 °C / +60 °C
ption	Width of tread in mm / wheel diameter in mm	19 / Ø 50 25 / Ø 75 - 100	18 / Ø 50	18 / Ø 50 25 / Ø 75 - 100
Description	Electric conductive (10 ⁴ OHM)	-	-	-
	Plain bearing	•	•	•
	Roller bearing	-	-	-
Bearing type	Cone ball bearing	-	-	-
Веа	Precision ball bearing	-	-	-
8	Wheel Ø 50 mm	40 kg	40 kg	40 kg
	Wheel Ø 75 mm	60 kg	-	40 kg
acity	Wheel Ø 100 mm	70 kg	-	70 kg
Load capacity	Wheel Ø 125 mm	-	-	-
Loa	Wheel Ø 150 mm	-	-	-

Bearing type



Plain bearing for short distances.

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 Agila smart castors for loads up to 70 kg.



Load capacity

The load capacity depends on the housing and wheels. Each has been tested and fulfills the requirements according to EN 12530 at a speed of 4 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.

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

Fitting versions

	Plate fittings		
i	Fitting type	Swivel plate	Swivel plate
Description	Article description	P40	P50
	Size of plate	60 x 60 mm	77 x 67 mm
	Plate hole centres in mm	48/38 x 48/38	61,5/56 x 51,5/46,5
Des	Plate hole Ø	6,3 mm	8,5 mm
₽	Wheel Ø 50 mm	70 mm	-
	Wheel Ø 75 mm	100 mm	-
Overall height	Wheel Ø 100 mm	-	125 mm
	Wheel Ø 125 mm	-	-
Ove	Wheel Ø 150 mm	-	-





Fixed castorsPlease contact us if you are interested in fixed castors.

Bolt hole fittings



AGILA SMART FOR LOADS UP TO 80 KG

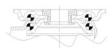
Housing versions





i	Housing type	Swivel castor	Swivel castor with total lock
	Article description	1670	1677
ption	Material	Pressed steel	Pressed steel
Description	Swivel bearing	Double ball bearing swivel head	Double ball bearing swivel head
(Wheel Ø 50 mm	-	-
	Wheel Ø 75 mm	-	-
Swivel interference	Wheel Ø 100 mm	176 mm	233 mm
	Wheel Ø 125 mm	207 mm	233 mm
Swivel interfe	Wheel Ø 150 mm	-	-

Swivel bearing



Precision ball bearing for best manoeuvrability.

Wheel versions



i	Product name	Puretech	Puretech precision	Supratech	Supratech precision
ption	Article description	PIO	PIP	РЈО	РЈР
	Tread material	Solid rubber, grey non-marking	Solid rubber, grey non-marking	Thermoplastic rubber, grey non-marking	Thermoplastic rubber, grey non-marking
	Tread hardness	Shore A 80	Shore A 75	Shore A 88	Shore A 85
	Wheel body material	Polypropylene	Polypropylene	Polypropylene	Polypropylene
	Thread guard	-	• Polypropylene	-	• Polypropylene
	Temperature range	-20 °C / +60 °C	-20 °C / +60 °C	-20 °C / +60 °C	-20 °C / +60 °C
	Width of tread in mm / wheel diameter in mm	32 / Ø 100 - 125	32 / Ø 100 - 125	32 / Ø 100 - 125	32 / Ø 100 - 125
Description	Electric conductive (10 ⁴ OHM)	-	-	-	-
	Plain bearing	•	-	•	-
	Roller bearing	-	-	-	-
Bearing type	Cone ball bearing	-	-	-	-
Bea	Precision ball bearing	-	•	-	•
8	Wheel Ø 50 mm	-	-	-	-
Load capacity	Wheel Ø 75 mm	-	-	-	-
	Wheel Ø 100 mm	60 kg	70 kg	80 kg	70 kg
	Wheel Ø 125 mm	80 kg	80 kg	80 kg	80 kg
Loa	Wheel Ø 150 mm	-	-	-	-

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 Agila smart for loads up to 80 kg.



Load capacity

The load capacity depends on the housing and wheels. Each has been tested and fulfills the requirements according to EN 12530 at a speed of 4 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.

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

Bearing types







Precision ball bearing for highest performance.

Fitting versions

Plate fittings



i	Fitting type	Swivel plate
	Article description	P50
	Size of plate	77 x 67 mm
Description	Plate hole centres in mm	61,5/56 x 51,5/46,5
	Plate hole Ø	8,5 mm
Overall height	Wheel Ø 50 mm	-
	Wheel Ø 75 mm	-
	Wheel Ø 100 mm	135 mm
	Wheel Ø 125 mm	160 mm
	Wheel Ø 150 mm	-

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



Fixed castors

Please contact us if you are interested in fixed castors.

Bolt hole fittings



i	Fitting type	Bolt hole
Description	Article description	P30-13
	Bolt hole Ø	13 mm
	Wheel Ø 50 mm	-
Overall height	Wheel Ø 75 mm	-
	Wheel Ø 100 mm	135 mm
	Wheel Ø 125 mm	160 mm
	Wheel Ø 150 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. Contact us for more information or visit our website: www.tente.com



300 - 2.000 kg

Ø 80 - 300 mm

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 8 150 - 200 kg











Integral

Integral twin



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

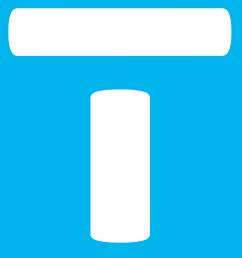
SAVE DEVELOPMENT TIME

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

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











DURABILITY

ENVIRONMENT