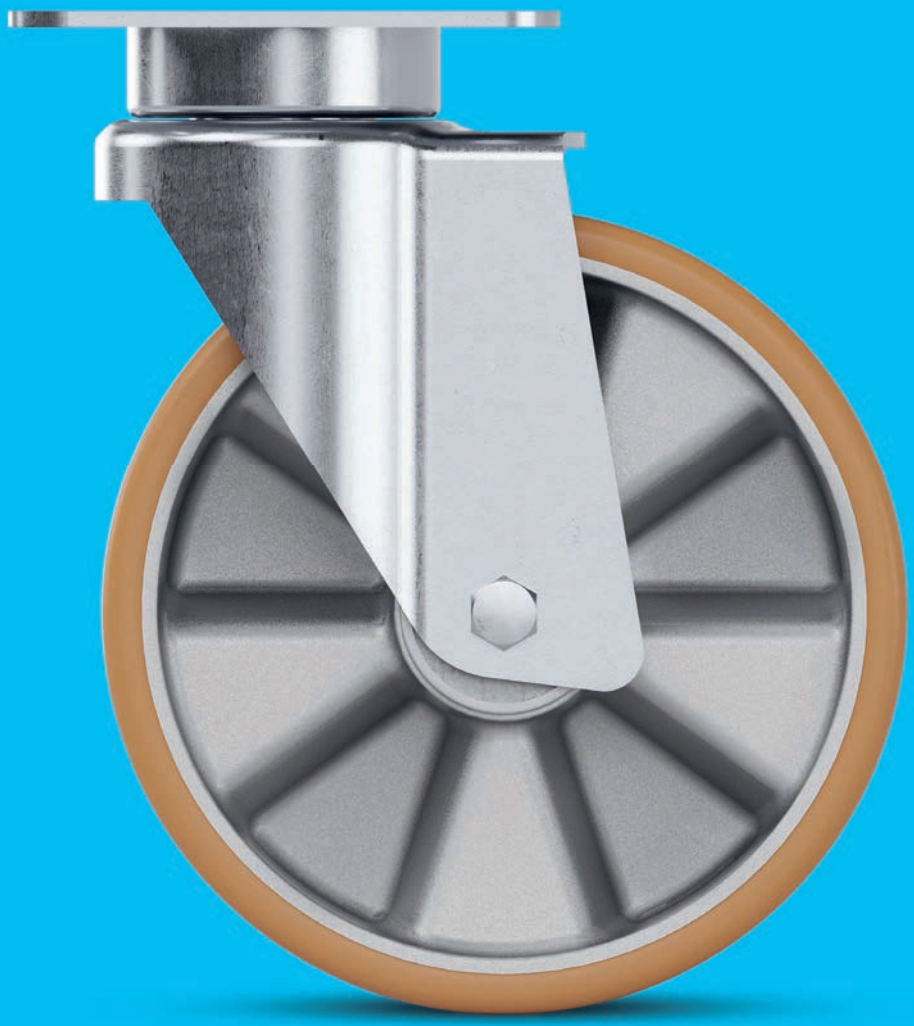
PRODUCT INFORMATION
DELTA

300 - 750 kg 178 - 265 mm 125 - 200 mm



TENTE

BETTER MOBILITY. BETTER LIFE.

HOUSINGS
PAGES: 4-9

WHEELS
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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 as well as our high production quality.

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

Easy steering

Swivel head with precision ball bearing.

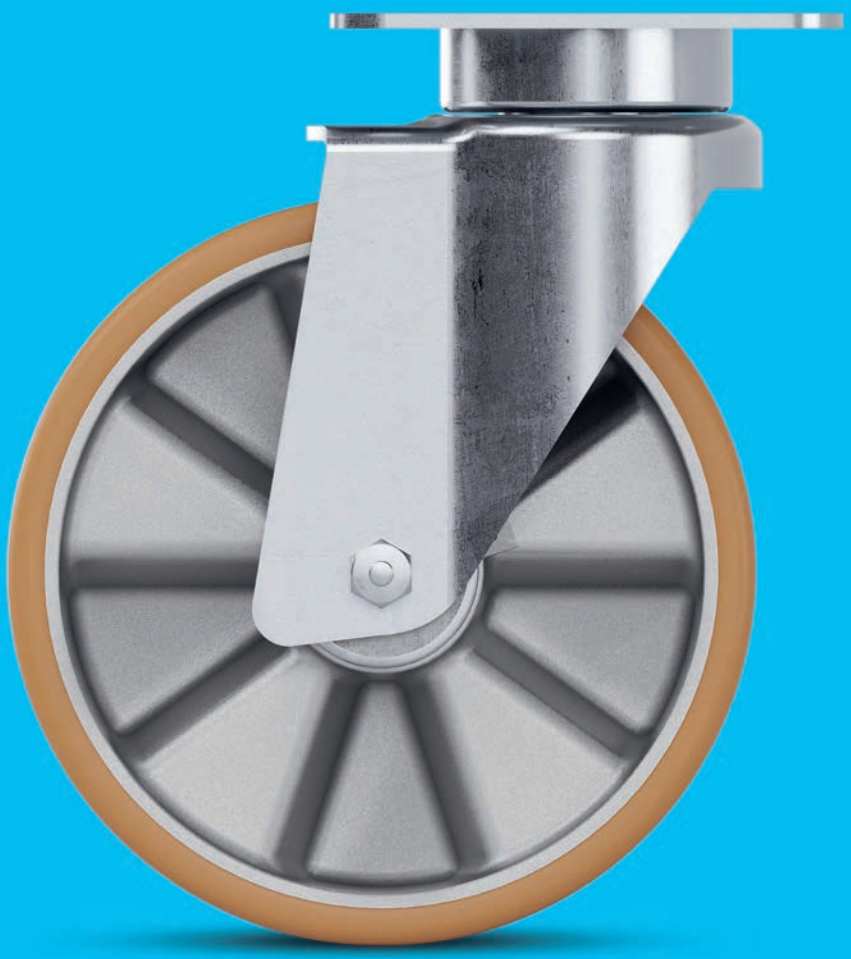
Flexible lock function

Use of two independent actuation systems in one castor.

Strong construction

Housing made of heavy steel for high load capacity.

HOUSINGS



FEATURES

Optimised steering mechanism

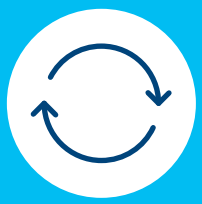
Directional lock for improved steering around bends, as well as moving in a straight line over long distances.

Practical system solution

Practical system solution with all technical components for central locking.

User-friendly central lock

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

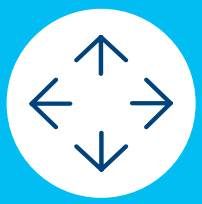


Easy steering

Precision ball bearing in swivel head for excellent rotation properties under high loads.

Flexible lock function

Use of two independent actuation systems in one castor.



Optimised directional lock

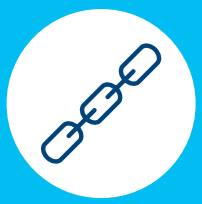
Directional lock can be adjusted to 2 x 180° or 4 x 90°, depending on your requirements.

Secured stand

Total lock for simultaneously locking the wheel and swivel housing.

Uninterrupted use

Sealed swivel bearing for continuous, uninterrupted movement.



Strong construction

Housing made of heavy steel for high load capacity.

HOUSINGS

The housing is made of heavy pressed steel for high load capacity and is bright zinc plated and blue passivated. The covered swivel head has a sealed precision ball bearing and is maintenance-free. The materials are tested in our own laboratory to ensure they comply with European standards. Non-hazardous materials are used in order to comply with RoHS and REACH regulations.
We have two types of housing, single wheel castors and twin wheel castors.

Single wheel castors for loads up to 600 kg

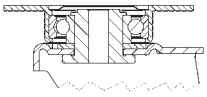
Swivel castor
Wheel and housing are free to move for easy manoeuvrability.

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

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

Central wheel brake
Simultaneous locking of more than one castor using a central actuation lever. The wheel brake prevents unintended movement.

Swivel bearings



Precision ball bearing for best manoeuvrability.

Fixed castor
The wheel is free and the housing fixed so it cannot swivel but only move forwards and backwards and allows a stable movement.

Combination total and directional lock
Construction of the brake allows to use 1 x 360° directional lock on the same housing. Can be retrofitted.

Optimised directional lock
Can be adjusted to 2 x 180° or 4 x 90°, depending on your requirements. Long brake pedal on request.

Practical system solution
Technical components such as the profile bar and brake pedal are available for central locking. See page 19.

Increased occupational safety
Partially elastic foot protection to reduce accidents. Can also be used on uneven floors. It is available for all wheel diameters. Can be retrofitted. See page 19.

Technical data and availability

Description	**Housing type**	Swivel castor	Swivel castor with directional lock	Swivel castor with total lock	Swivel castor with central wheel brake	Fixed castor
	Article description	3640	3641	3642	3645	3648
	Material	Heavy pressed steel	Heavy pressed steel	Heavy pressed steel	Heavy pressed steel	Heavy pressed steel
	Swivel bearing	Precision ball bearing, sealed and covered swivel head	Precision ball bearing, sealed and covered swivel head	Precision ball bearing, sealed and covered swivel head	Precision ball bearing, sealed and covered swivel head	-
Swivel interference	**Wheel Ø 125 mm**	235 mm	235 mm	235 mm	-	●
	Wheel Ø 160 mm	270 mm	270 mm	270 mm	270 mm	●
	Wheel Ø 200 mm	310 mm	310 mm	310 mm	310 mm	●

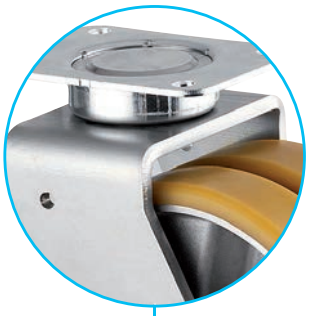
Items with this sign " ● " are available. Items with this sign "-" are not available in our standard range. Please contact us.

Twin wheel castors for loads up to 750 kg

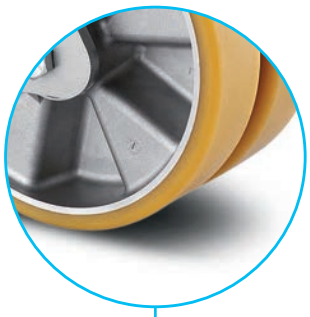
Swivel castor
Wheels and housing are free to move for easy manoeuvrability.

Total lock
Total lock to simultaneously lock the wheels and swivel housing, leading to a secure stand.

Fixed castor
The wheels are free and the housing fixed so it cannot swivel but only move forwards and backwards. This allows a stable movement.



Robust housing with optimised manoeuvrability
Twin wheel castor with high manoeuvrability due to differential effect. Perfect for high load capacity and low height.



Protect floors with load distribution
Two wheels distribute the load and minimise floor pressure.

Ergonomic total lock system
This brake system contains two pedals: one to lock the castor and a second one for easy release.

Technical data and availability

Description	**Housing type**	Swivel castor	Swivel castor with total lock	Fixed castor
	Article description	9940	9942	9948
	Material	Heavy pressed steel	Heavy pressed steel	Heavy pressed steel
	Swivel bearing	Precision ball bearing, sealed and covered swivel head	Precision ball bearing, sealed and covered swivel head	-
Swivel interference	**Wheel Ø 125 mm**	235 mm	320 mm	●
	Wheel Ø 160 mm	270 mm	320 mm	●
	Wheel Ø 200 mm	310 mm	325 mm	●

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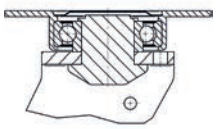
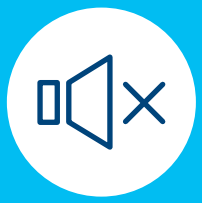
Swivel bearings



Precision ball bearing for best manoeuvrability.

WHEELS

FEATURES

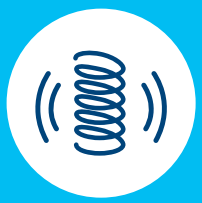


Quiet rolling

Soft wheel versions for a quiet working environment. The hardness of the tread is variable to suit different materials and purposes.

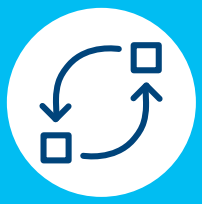
Ergonomically friendly use

Wheels with optimised roll resistance to lighten the load for the user.



Low-vibration transport

Extra soft wheels with good shock-absorbing properties.



Resource-conserving part replacement

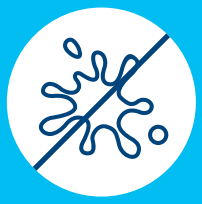
Threaded axles allow effortless wheel change.

Increased occupational safety

Partially elastic foot protection to reduce accidents. Can also be used on uneven floors.

High pressure stability

Rigid for enhanced running comfort.



Non-staining operation

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

Non-marking movement

Wheels have reduced abrasion and little cleaning requirement.

Low wear and tear wheels

Durable wheels with extremely low wear and tear.

WHEELS

The characteristics of a wheel depend on the material and the bearing. The wheels are available in different levels of hardness. We can guarantee maximum manoeuvrability and quiet running, with a variety of treads.

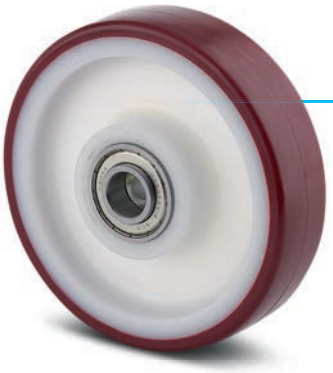
Elastech plus
Quiet-running elastic and silicone rubber for smoothest handling properties.

Elastech plus
Vulcanised elastic rubber for high performance.

Duratech
Stable and indestructible, made of polyamide and thermosetting plastic.

EXTRA STABLE

Duratech load
Extra stable and indestructible, made of extra strong polyamide and thermosetting plastic.



Maxtech
Perfect for functional design, injection-moulded polyurethane.

ELECTRIC CONDUCTIVE

Maxtech conductive
Solid injection-moulded polyurethane wheel for long-lasting use in different shore hardnesses. Sealed stainless steel bearing.

Novatech
Highly resilient classics with cast polyurethane coating.

PREMIUM QUALITY

Ultratech
Outstanding performance through premium polyurethane.

Highly customisable wheels
Our casted polyurethane wheels are highly flexible to adapt them to your needs. The shore hardness of the tread and the shape can be customised. Use convex treads for added manoeuvrability or flat ones for better traction.

Technical data and availability

EXTRA STABLE

	Product name	Elastech plus	Elastech plus	Duratech	Duratech	Duratech load
Description	Article description	IEP, IFP, ILP, IYP	SEP, SFP	UOO	UOP	TOO, TOP
	Tread material	Vulcanised elastic rubber in grey (non-marking) or black	Vulcanised elastic rubber in grey (non-marking) or black	Polyamide	Polyamide	Polyamide, heavy duty
	Tread hardness	Shore A 67	Shore A 67 ±3	Shore D 75	Shore D 75	Shore D 75
	Wheel body material	Aluminium	Welded steel	Polyamide	Polyamide	Polyamide
	Temperature range	-20 °C / +85 °C	-20 °C / + 80 °C	-40 °C / +80 °C	-40 °C / +80 °C	-40 °C / +80 °C
	Width of tread / Wheel diamater in mm	50 mm / Ø 125 - 200	50 mm / Ø 160 - 200	43 mm / Ø 125 40 mm / Ø 160 50 mm / Ø 200	46 mm / Ø 125 50 mm / Ø 200	50 mm / Ø 125 - 160
	Antistatic	Optional	-	-	-	-
	Electric conductive (10^4 OHM)	Optional	-	-	-	-
	Washable	-	-	-	-	-
Bearing type	Plain bearing	-	-	●	-	●
	Roller bearing	-	-	-	-	-
	Cone ball bearing	-	-	-	-	-
	Precision ball bearing	●	●	-	●	●
Load capacity	Wheel Ø 125 mm Single wheel	300 kg	-	-	-	600 kg
	Wheel Ø 125 mm Twin wheel	600 kg	-	750 kg	750 kg	-
	Wheel Ø 160 mm Single wheel	350 kg	540 kg	500 kg	-	600 kg
	Wheel Ø 160 mm Twin wheel	700 kg	-	750 kg	-	-
	Wheel Ø 200 mm Single wheel	450 kg	600 kg	600 kg	600 kg	-
	Wheel Ø 200 mm Twin wheel	750 kg	-	750 kg	750 kg	-

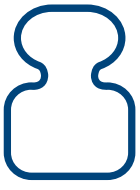
Items with this sign " ● " are available. Items with this sign "-" are not available in our standard range. Please contact us.
The mentioned load capacity is only valid for the Delta product family. The load capacity of a single wheel without housing could be different.
* 300 kg with Shore A 85 and 350 kg with Shore A 95.

Maxtech	Maxtech conductive	Novatech	Ultratech
UAP	USC	ITP	ICP
Polyurethane, injected	Polyurethane injected	Polyurethane, casted	Premium polyurethane, casted
Shore A 92	Shore A 85 or A 95	Shore A 92 or A 80	Shore A 75 or A92
Polyamide	Polyamide, injected	Aluminium	Aluminium
-40 °C / +80 °C	-40 °C / +80 °C	-20 °C / +60 °C	-20 °C / +60 °C
40 mm / Ø 160 50 mm / Ø 200	40 mm / Ø 200	50 mm / Ø 125 - 200	50 mm / Ø 125 - 200
-	-	Optional	-
-	●	-	-
-	●	-	-
-	-	-	-
-	-	-	-
-	-	-	-
●	● Sealed, stainless steel	●	●
300 kg	-	500 kg	500 kg
-	-	750 kg	750 kg
350 kg	-	600 kg	600 kg
-	-	750 kg	750 kg
500 kg	300 kg - 350 kg*	600 kg	600 kg
-	-	750 kg	750 kg

Bearing types

Plain bearing for short distances.

Precision ball bearing for highest performance.



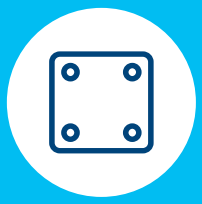
Load capacity

The load capacity depends on the housing and wheel. It has been tested and fulfills the requirements according to EN 12532 at a speed of 4 km/h and EN 12533 at a speed of 6 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.

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

FITTINGS

FEATURES



Standard fittings

Plate fittings are made according to industrial standards.

Customised fitting sizes

Plate fitting size on request.

ADDITIONAL FEATURES

Tested quality

Tested in our own laboratory for compliance with European standards.

Customised castors

High possibility to develop customised solutions.

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).

Comfortable handling

These wheels allow you to easily pass obstacles.

PLATE FITTINGS

Secure connection with four screws. For a long-lasting and maintenance-free use, the plate fittings of the Delta product family are equipped with a lifetime greased and sealed precision ball bearing.

Highest load capacity and low height
Combination of three swivel castors for an easy manoeuvrability of heavy loads, even in tight spaces. Various wheel models and sizes are available upon request.

Technical data and availability

Description	**Fitting type**	Swivel plate	Swivel plate with central wheel brake	Fixed plate	Fixed plate
	Available for housing type	Single wheel and twin wheel	Single wheel	Single wheel	Twin wheel
	Article description	P63	P67	P63	P63
	Size of plate	137 x 105 mm	142 x 110 mm	137 x 115 mm	137 x 137 mm
	Plate hole centres	105 x 80/75 mm	105 x 77,5 mm	105 x 80/75 mm	105 x 80/75 mm
	Plate hole Ø	11 mm	13 mm	11 mm	11 mm
Overall height	**Wheel Ø 125 mm**	178 mm	-	178 mm	178 mm
	Wheel Ø 160 mm	210 mm	225 mm	210 mm	210 mm
	Wheel Ø 200 mm	250 mm	265 mm	250 mm	250 mm

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

ACCESSORIES

For all single wheel castors we offer suitable accessories like the elastic foot protection and the technical components for central locking.

Foot protection

Description	Article description	Foot protection
	Compatible with	Single castors
	Temperature	-20 °C / +60 °C
	Width	151 mm
	Ground clearance	19 mm
	Hardness of rubber flap	Shore A 75
Weight	Wheel Ø 125 mm	0,54 kg
	Wheel Ø 160 mm	0,67 kg
	Wheel Ø 200 mm	0,75 kg
Length	Wheel Ø 125 mm	185 mm
	Wheel Ø 160 mm	220 mm
	Wheel Ø 200 mm	260 mm

Profile bar for central locking

Description	Article description	Profile bar
	Compatible with	Single wheel castors with central wheel brake
	Material	Steel
	Lengths	Up to 3 m
	Profile bar	11 mm hex
	Adjustment range of the brake pad	10 mm

Foot pedal for central locking

Description	Article description	Foot pedal
	Compatible with	Profile bar
	Material	Steel
	Measurements	70 x 94 mm

Example of a mounted foot protection

Example of mounted central locking components

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

E-Drive

125 mm

Alpha

70 - 500 kg
80 - 200 mm

Delta

300 - 600 kg
125 - 200 mm

Delta twin

600 - 750 kg
125 - 200 mm

Zeta

300 - 800 kg
125 - 250 mm

Kappa

300 - 2.000 kg
80 - 300 mm

Kappa flex

360 - 750 kg
160 - 200 mm

Omikron

900 - 11.000 kg
100 - 500 mm

Radiata

1.200 - 1.500 kg
80 mm

Scout

150 - 350 kg
160 - 200 mm

Integral

100 - 150 kg
100 - 200 mm

Integral twin

125 - 250 kg
100 - 150 mm

Linea clinic

150 - 200 kg
125 - 150 mm

Aviana care

100 kg
75 mm

Aviana

75 mm

Agila

40 - 100 kg
50 - 150 mm

Agila twin

50 - 100 kg
50 - 75 mm

Stora

60 - 160 kg
75 - 160 mm

Mono

30 - 70 kg
50 - 100 mm

Galea

60 - 100 kg
100 - 125 mm

Levina

60 - 100 kg
75 - 150 mm

Linea

40 - 150 kg
50 - 150 mm

Anika

40 - 50 kg
55 - 75 mm

Lumina

30 - 100 kg
35 - 75 mm

Stylea

40 - 100 kg
35 - 100 mm

Smiles

40 kg
50 mm

Compacta

10 - 55 kg
14 - 50 mm

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/delta

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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PRODUCTIVITY

SAFETY

DESIGN

DURABILITY

ENVIRONMENT