

# PRODUCT INFORMATION

## AVIANA CARE

 100 kg    104,5 mm    75 mm



**TENTE**

BETTER MOBILITY. BETTER LIFE.

# HOUSINGS

PAGES: 4-7



# WHEELS

PAGES: 8-11



# FITTINGS

PAGES: 12-15



# 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 Aviana care product family. We will also explain the added value this mobility solution offers to your organisation. Features include:

## **User-friendly**

Central locking mechanism that allows for simultaneous locking of more than one castor using a central actuation lever.

## **Quiet rolling**

Soft wheel version for a quiet working environment.

## **Optimised manoeuvrability**

Twin wheel castor with high manoeuvrability due to differential effect.



Deutscher Designer Club



reddot design award

# HOUSINGS

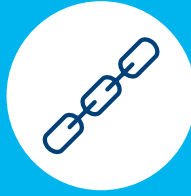


# FEATURES



## Easy steering

Double ball bearing swivel head.



## Robust housing

Twin wheel castor for high load capacity and low height.



## Low-maintenance materials

Metal components made of either aluminium or rust-free stainless steel.



## Prevents unintended movement

Wheel lock for manual operation.



## User-friendly central lock

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



## Award-winning design

Awarded with prestigious prizes by international juries.



## Colour matching

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

 RAL 7001



## Low weight

Extremely lightweight construction.

# HOUSINGS

The low height housing of the Aviana care is made of high grade synthetic materials with a double ball bearing swivel head. The materials are tested in our own laboratory for compliance with European standards.





## Central wheel brake

User friendly central lock for simultaneous locking of more than one castor using a central actuation lever. The wheel brake simultaneously locks both wheels for a secure standing.

## Technical data and availability



 Description	<b>Housing type</b>	Swivel castor with central wheel brake
	<b>Article description</b>	5979
	<b>Material</b>	High grade synthetic materials
	<b>Swivel bearing</b>	Two ball races
 Swivel interference	<b>Wheel <math>\varnothing</math> 75 mm</b>	139 mm

# WHEELS





# FEATURES



## Quiet rolling

Soft wheel version for a quiet working environment.



## Non-marking movement

Wheels with reduced abrasion and little cleaning requirement.



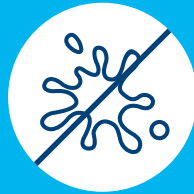
## Reduced cleaning

Due to mainly smooth surfaces, the castors are quick and easy to clean.



## Chemical-resistant components

Resistant to many cleaning agents and chemical substances.



## 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.



## Optimised manoeuvrability

The differential effect of the twin-wheel castor allows for increased manoeuvrability.



## 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.

# WHEELS

The characteristics of a wheel depend on the material and the bearing. Our Puretech wheel has reduced abrasion qualities and little cleaning requirements. Additionally, it provides non-marking movement and doesn't stain floors, even after long-standing periods.




## Puretech

Robust standard with solid rubber tread for versatile use. Soft wheel version for quiet rolling, ideal for a quiet working environment.



## Technical data and availability



 <b>Description</b>	<b>Product name</b>	Puretech
	<b>Article description</b>	PIP
	<b>Tread material</b>	Solid rubber, grey non-marking
	<b>Tread hardness</b>	Shore A 75
	<b>Wheel body material</b>	Polypropylene
	<b>Temperature range</b>	-10 °C / +40 °C
	<b>Width of tread</b>	25 mm
 <b>Bearing type</b>	<b>Cone ball bearing</b>	-
	<b>Precision ball bearing</b>	● **
 <b>Load capacity</b>	<b>Wheel Ø 75 mm</b>	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 Aviana product family.

\*\* Precision ball bearing made of standard steel.



### 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 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.

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

# FITTINGS



# FEATURES



## **Easy connection**

Easy to connect both fittings to a central locking mechanism.

# STEM FITTING

For easy mounting into tubes we offer a short stem with central wheel lock using a central actuation lever.



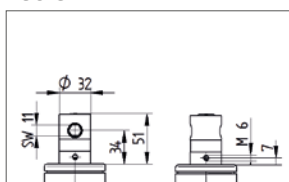
## Technical data and availability



Description	 Fitting type	Stem with central wheel lock
	Article description	R36-32
	Thread for fixation screw	4 x M6
	Thread position from bottom	7 mm
	Solid stem $\varnothing$	32 mm
	Solid stem length	51 mm
	Shifting angles	1 x 30°
	Spring type for actuation torques	Soft, standard or hard
Overall height 	Wheel $\varnothing$ 75 mm	104,5 mm

### Technical drawings

R36-32



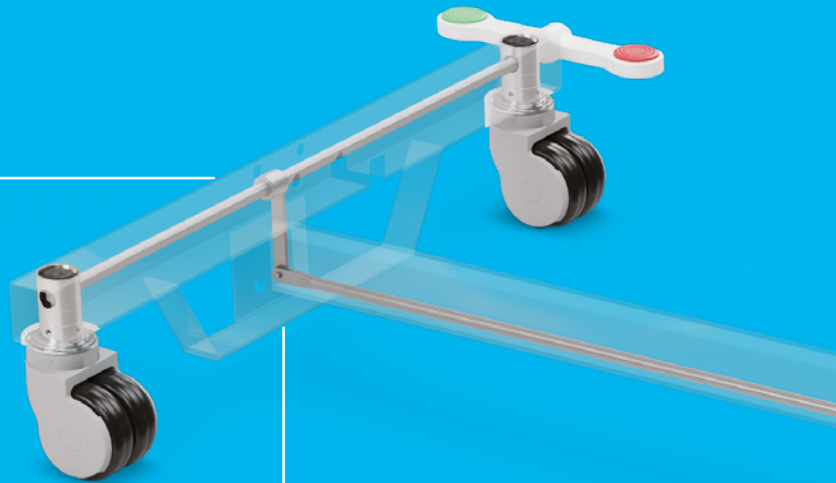
# ACCESSORIES FOR CENTRAL LOCKING

Our central locking components offer a practical solution for your needs. Please contact us for further advice.



## Change lever

To connect the transmission bar from the foot end to the head end. It is available in three different sizes.



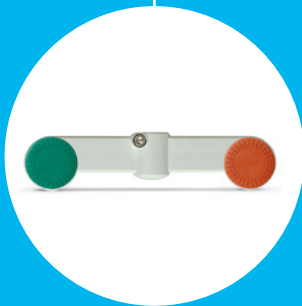
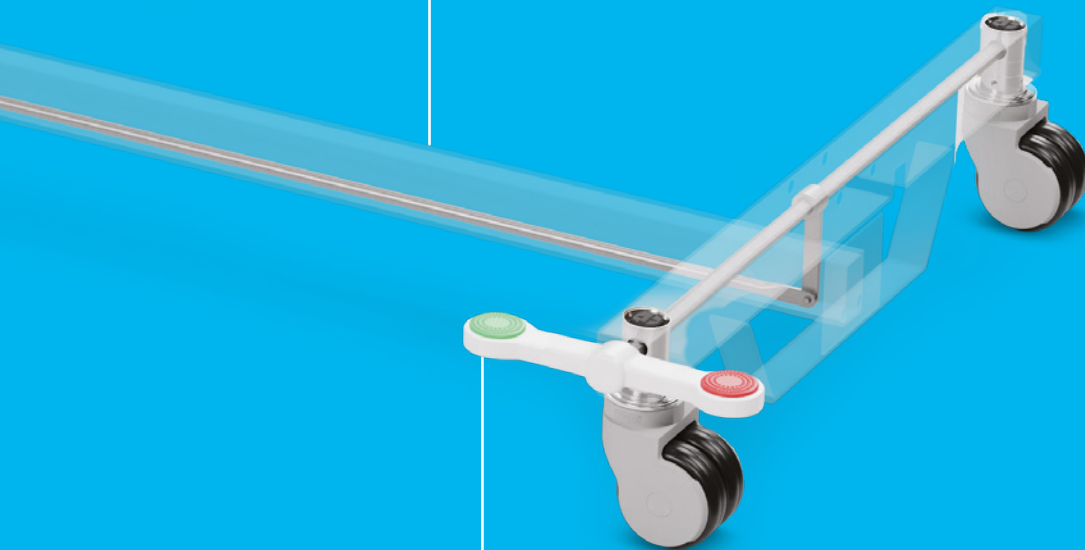
## Bearing guide





**Profile bar**

Available in different lengths,  
on request.



**TENTE lever**

All change levers will be delivered  
with a stainless steel screw. They are  
available as a single or double lever  
for the right and left side. Plugs are  
available in different colours.



**Optional: adaptor for customer levers**

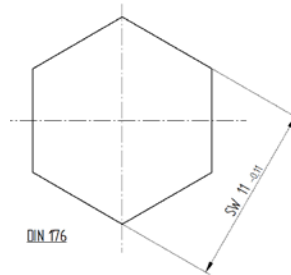
This round adaptor accepts customer  
made levers.

# TECHNICAL DATA ACCESSORIES

## Profile bar



i	<b>Article description</b>	Profile bar
	<b>Wrench size</b>	11
	<b>Material</b>	Zinc-plated steel
	<b>Length</b>	On request



## TENTE levers



i	<b>Change lever type</b>	Double lever	Lever	Lever
	<b>Article description</b>	Double lever	Lever	Lever 180
	<b>Compatible with product</b>	30°	30°	30°
	<b>Material</b>	Fibre-glass-reinforced polyamide	Fibre-glass-reinforced polyamide	Fibre-glass-reinforced polyamide
	<b>Version</b>	Left version Right version	Left version	Right version
	<b>Width</b>	41,5 mm	41,5 mm	41,5 mm
	<b>Length</b>	191,5 mm	95,75 mm	95,75 mm

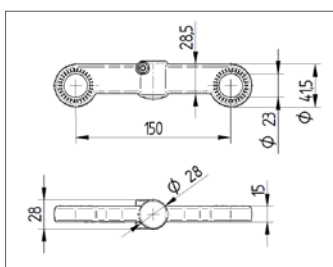
**Standard lever colours**  
More colours on request.

- RAL 7035
- Eloxal silver

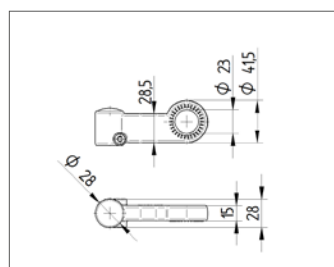
**Standard plug colours**  
More colours on request.

- RAL 6016
- RAL 3016
- RAL 9011

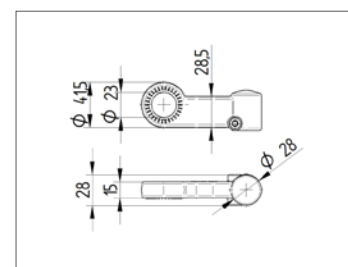
Double lever



Lever



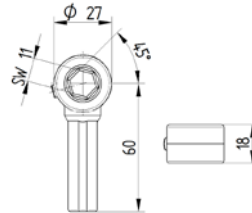
Lever 180



## Adaptor for customer levers



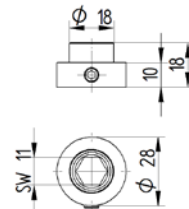
i	Article description	Adaptor
	Wrench size	11
	Material	Zinc die cast



## Bearing guide



i	Article description	Bearing guide
	Wrench size	11
	Material	Zinc die cast

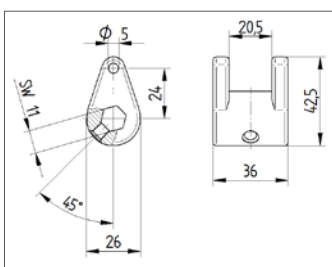


## Change lever

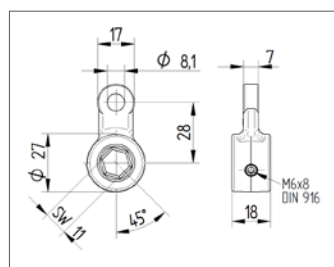


i	Article description	Change lever	Change lever	Change lever
	Wrench size	11	11	11
	Material	Zinc die cast	Zinc die cast	Zinc die cast
	Length	24 mm	28 mm	65 mm

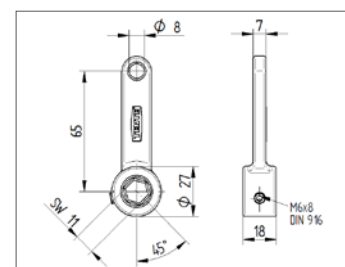
Change lever 24 mm length



Change lever 28 mm length



Change lever 65 mm length



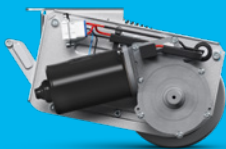
# DIVERSITY WITH A SYSTEM

## 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](http://www.tente.com)

E-Drive



⌀ 125 mm

Alpha



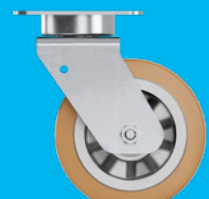
⊃ 70 - 500 kg  
⌀ 80 - 200 mm

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



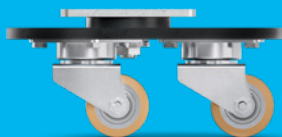
⊃ 360 - 750 kg  
⌀ 160 - 200 mm

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](http://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](http://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/aviana](http://www.tente.com/aviana)

## 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](http://www.tente.com/download)



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PRODUCTIVITY



SAFETY



DESIGN



DURABILITY



ENVIRONMENT