



TENTE Industrial



Castors run smoothly – round the clock
Industrial Castors



The World in Motion.

Castors run smoothly – round the clock

Industrial Castors



Tente stands for innovative and high-quality products around the clock. High quality standards during the development process and the use of sophisticated production technologies during manufacture have made us the market leader. In our company, which is certified to DIN/ISO 9001, all castors are manufactured and tested in conformity with standards EN 12526 to EN 12533.

Have you ever considered what enormous distances each single castor covers over many years in use? And the repeated impact due to door sills and unevenness which the fastenings and swivel heads have to endure? Not to mention the continuous demands made on wheel bearings due to dust or moisture?

You're looking for reliable allies who will do their job unfailingly under the most gruelling conditions? Then TENTE industrial castors are the right ones for you.

Just let us know your needs and we will roll out a solution for you. TENTE quality and service – you can always count on us.

Robust

The high quality of the materials used and the high-grade blue passivated (chromium VI free) surface finish make for an extremely long service life.

Tough

Their robust design enables industrial castors of the 3470 series to bear loads of up to 400 kg per castor. All load capacities are tested to EN 12532 dynamic.

Stable

Transport equipment is not just for moving - it's often just as important for it to stand securely. That's why there are castors available with different locking functions.

Total lock:

Both the swivel action and wheel running are blocked at the same time.

Directional lock:

Locks the swivel action of the housing. This ensures that the wheel will travel smoothly in a straight line.

TENTE Industrial

Light industrial castors

Series 3370

Series 3370

Housing made of pressed steel, blue passivated, double ball bearing swivel head, wheel axle with nut

Available as:

3370 Swivel castor
3377 Swivel castor with total lock

The swivel castors are compatible with our fixed castor range 3478.

Fittings:



Plate

Wheel-Ø 080, 100 and 125 mm = P62
Plate dimension: 105 mm x 85 mm

Wheel-Ø 160 and 200 mm = P63
Plate dimension: 137 mm x 105 mm

Räder:

DVR Wheel rims: pressed steel, zinc-chromatised
Tread: rubber, black, roller bearing

Wheel sizes: 100 mm to 200 mm Ø

PVR Wheel centre: Polypropylene
Tread: solid rubber, black without threadguards, roller bearing

Wheel sizes: 080 mm bis 200 mm Ø

PJR Wheel centre: Polypropylene
Tread: TENTEprene (thermoplastic rubber) without threadguards, roller bearing

Wheel sizes: 100 mm to 200 mm Ø

POR Wheel: Polypropylene black without threadguards, roller bearing

Wheel sizes: 080 mm to 125 mm Ø

Load capacity:
up to 200 kg per castor



Industrial castors

Series 3470

The development of this castor series has resulted in a standard range that is universally usable for all types of transport equipment.

By using different wheels, you will find the right castor for every type of flooring. Various tread materials are available to choose from. They cover all operating requirements, for both indoor and outdoor applications.

Series 3470

Housing made of pressed steel, blue passivated, double ball bearing swivel head, dustguard, wheel axle with nut

Available as:

- 3470 Swivel castor
- 3471 Swivel castor with directional lock
- 3477 Swivel castor with total lock
- 3478 Fixed castor

Fittings:



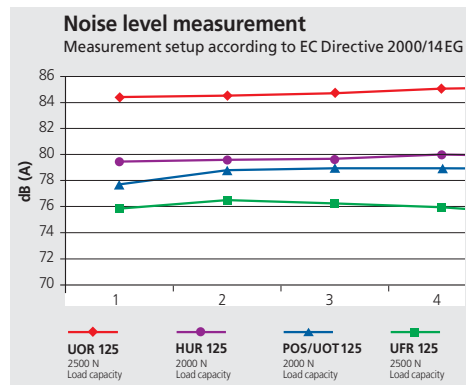
Plate Bolt hole 13 mm

Noise-reduced Industrial Castors

Hard wheels transfer shocks and bumps from uneven surfaces directly to the mobile container. These thumps are further transferred to the load carried, hence increasing the noise level considerably. This happens during loading and unloading of the delivery trucks and when the roll containers moved.

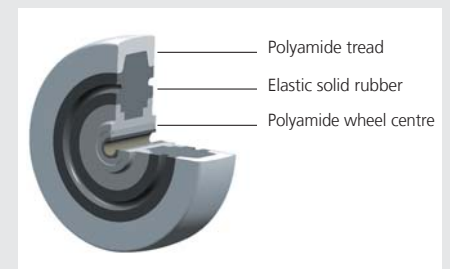
Therefore, strict noise levels have been set for some areas, such as residential neighbourhoods, and only the use of special noise-reducing castors and wheels can assure that the noise remains under these limits.

We developed various solutions in order to offer the benefit provided by a hard wheel material, and at the same time, the favourable characteristics of a wheel with a soft tread.



Noise-reduced wheels:

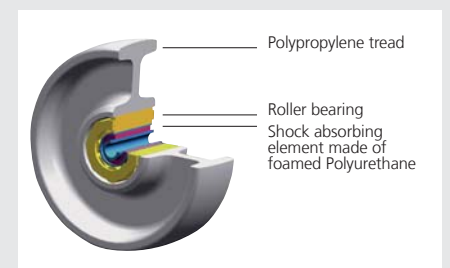
HUR Wheel centre: Polyamide elastic solid rubber tyre, Tread: Polyamide, roller bearing



Wheel sizes – Load capacities:

- 100 mm Wheel-Ø – 160 kg per castor
- 125 mm Wheel-Ø – 200 kg per castor

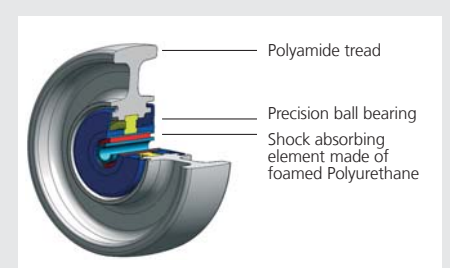
POS Wheel centre: Polypropylene, white, with threadguards, blue, roller bearing, noise reduced



Wheel sizes – Load capacities

- 100 mm Wheel-Ø – 160 kg per castor
- 125 mm Wheel-Ø – 200 kg per castor

UOT Wheel centre: Polyamide, white, with threadguards, blue, precision ball bearing, noise reduced



Wheel sizes – Load capacities

- 100 mm Wheel-Ø – 250 kg per castor
- 125 mm Wheel-Ø – 300 kg per castor



Wheels for assembly in series 3470



PVO/PVR/PIR

Wheel centre: Polypropylene, black
Tread: solid rubber, black
PVO = plain bearing
PVR = roller bearing
Wheel sizes: 080 mm to 200 mm Ø
Load capacities: 70 kg to 205 kg
PIR = tread: solid rubber, grey, non-marking



UFR/UFU blue, non-marking

Wheel centre: Polyamide, black
Tread: elastic-tyre, blue, non-marking,
UFR = roller bearing
UFU = precision ball bearing
Wheel sizes: 100 mm and 125 mm Ø
Load capacities: 160 kg and 250 kg



DVR/DIR

Wheel rims: pressed steel, zinc-chromatised
Tread: solid rubber, black
DIR = Tread: solid rubber, grey, non-marking
roller bearing
Wheel sizes: 100 mm to 200 mm Ø
Load capacities: 70 kg to 205 kg



PJR

Wheel centre: Polypropylene
Tread: TENTEprene (thermoplastic rubber), grey non-marking, Shore A 85
roller bearing
Wheel sizes: 100 mm to 200 mm Ø
Load capacities: 080 kg to 160 kg



UAR/UAD

Wheel centre: Polyamide
Tread: Polyurethane
UAR = roller bearing
UAD = roller bearing, stainless
Wheel sizes: 080 mm to 200 mm Ø
Load capacities: 150 kg to 500 kg



POO/POR

Wheel made of Polypropylene, black
POO = plain bearing
Wheel sizes: 065 mm to 125 mm Ø
Load capacities: 120 kg to 200 kg
POR = roller bearing
Wheel sizes: 080 mm to 125 mm Ø
Load capacities: 120 kg to 200 kg



UFR/UFU grey, non-marking

Wheel centre: Polyamide, grey
Tread: elastic-tyre, grey, non-marking
UFR = roller bearing
UFU = roller bearing, stainless
UFU = precision ball bearing
UFU = precision ball bearing, sealed
Wheel sizes: 100 mm to 200 mm Ø
Load capacities: 160 kg to 400 kg



UOO/UOR/UOD

Wheel made of Polyamide, white
UOO = plain bearing
Wheel sizes: 080 mm to 200 mm Ø
Load capacities: 200 kg to 800 kg
UOR = roller bearing
UOD = roller bearing, stainless
Wheel sizes: 100 mm to 200 mm Ø
Load capacities: 200 kg to 400 kg



UER/UED/UEP/UEX

Wheel centre: Polyamide, grey
Tread: elastic-tyre, black
UER = roller bearing
UED = roller bearing, stainless
UEP = precision ball bearing
UEX = precision ball bearing, sealed
Wheel sizes: 100 mm to 200 mm Ø
Load capacities: 160 kg to 400 kg



UOP

Wheel made of Polyamide, white with threadguards
precision ball bearing
Wheel sizes: 100 mm, 125 mm and 200 mm Ø
Load capacities: 200 kg to 800 kg

Swivel castors with central lock

Series 3476... P67, Series 8476... P67



Swivel castors in our series 3476 have a central lock/total lock.

- The locking mechanism is integrated in the plate.
- The wheel running and swivel action are locked simultaneously at a central point.
- Linked actuation systems allow for multiple castors to be locked simultaneously.
- Foot operation possible
- Easy actuation due to large foot pedal

The new swivel castors in our series 3476/8476, P67 are compatible with all swivel, fixed and locking castors in our series 3470/3472 and Stainless Steel castors in our series 8470.

Existing transport equipment can be retrofitted.

Housing made of pressed steel, blue passivated, double ball bearing swivel head, dustguard, wheel axle with nut

Wheels:

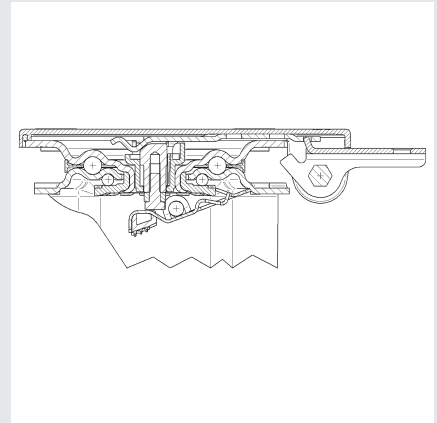
UFR/UFD Wheel centre: Polyamide
 UFP/UFX Tread: elastic-tyre, grey, non-marking, with small threadguards,
 UFR = roller bearing
 UFD = roller bearing, stainless
 UFP = precision ball bearing
 UFX = precision ball bearing, sealed

UER/UED Wheel centre: Polyamide
 UEP/UEX Tread: elastic-tyre, black, with small threadguards,
 UER = roller bearing
 UED = roller bearing, stainless
 UEP = precision ball bearing
 UEX = precision ball bearing, sealed

Wheel sizes: 160 mm and 200 mm Ø

Load capacity: 300 kg per castor

Series 3476... P67, 8476... P67



Swivel castor with central lock

Series 3479... P69... /P70... and 3471... P69... /P70...

Swivel castors in our series 3479 have a centrally activated wheel lock.
Swivel castors in our series 3471 have a central lock/directional lock.

Housing made of pressed steel, blue passivated, double ball bearing swivel head, dustguard, wheel axle with nut

Fittings:

P69: Plate size P63

P70: Plate size P62

Further information see page 12.

Wheels:

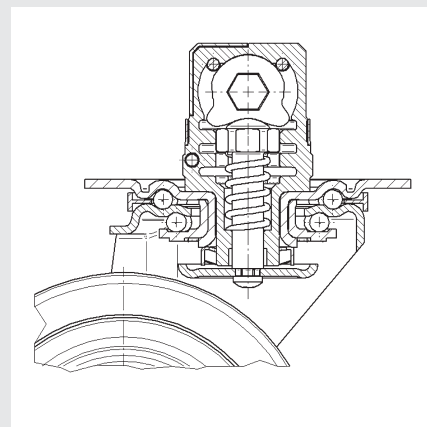
UFR/UFP Wheel centre: Polyamide
Tread: elastic-tyre, grey non-marking, without threadguards,
UFR = roller bearing
UFP = precision ball bearing

UER/UEP Wheel centre: Polyamide
Tread: elastic-tyre, black, without threadguards
UER = roller bearing
UEP = precision ball bearing

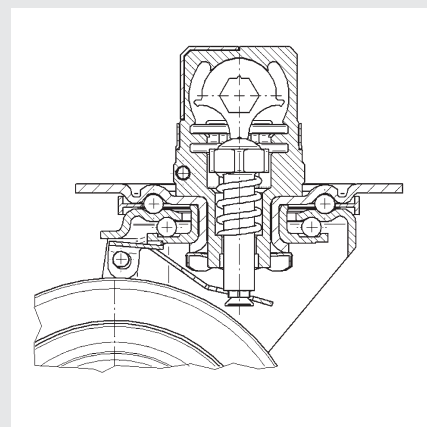
Wheel sizes: 125 mm to 200 mm Ø

Load capacity: 250 kg to 300 kg per castor

Series 3479



Series 3471



Castors with total lock for mobile waste containers

Series 3472

Metal or synthetic material mobile waste containers must be easy to manoeuvre and stand safely even when full.

That is why we have developed special castors for waste bins. They are extremely robust and are designed to withstand the total weight of the bin as well as the specific dynamic loads.

Swivel castors in our series 3472 with total lock at head end of castor.

With these castors, the locking mechanism must be activated individually for each castor.

A total lock castor system consists of:

- 2 pieces 3470 Swivel castors
- 2 pieces 3472 Swivel castors with total lock
- 2 pieces directional lock

Type 1 for mobile waste containers made of synthetic material

This castor meets the regulations for mobile waste containers according DIN EN 840-5 and RAL-GZ 951/1 (SKZ-Certificate No. 116/03).

Housing made of pressed steel, yellow zinc-chromatised, double ball bearing swivel head, riveted, dustguard, wheel axle with nut

Wheels:

- PXU/ Wheel centre: Polypropylene
- PVU Tread: solid rubber, black synthetic-plain-bearing

Wheel sizes:	Load capacities:
160 mm Wheel-Ø	135 kg per castor
200 mm Wheel-Ø	205 kg per castor

Type 2 for mobile waste containers made of steel

This castor meets the regulations for mobile waste containers according DIN EN 840-5 (SKZ-Certificate No. 53905).

Housing made of pressed steel, blue zinc-chromatised, double ball bearing swivel head, riveted, dustguard, wheel axle with nut

Wheels:

- DXR Wheel centre: pressed steel
- Tread: solid rubber, black, roller bearing
- DVP Wheel centre: pressed steel,
- Tread: solid rubber, black, precision ball bearing

Wheel sizes:	Load capacities:
160 mm Wheel-Ø	135 kg per castor
200 mm Wheel-Ø	205 kg per castor



Directional lock



3470 DXR/DVP 200 P63



3472 PXU/PVU 200 P63



Castors with central lock for mobile waste containers

Series 3476...P69

Swivel castors in our series 3476 with integrated central lock.

Two of these castors are interlinked with a rod.

When the locking pedal is activated, both the wheel running and swivel action are blocked simultaneously on both castors.

A total lock castor system consists of:

- 2 pieces 3470 swivel castor
- 2 pieces 3476...P69, L0-11
Swivel castors central and total lock
- 2 pieces directional lock



Directional lock

Type 1 for mobile waste containers made of synthetic material

This castor meets the regulations for mobile waste containers according DIN EN 840-5 and RAL-GZ 951/1 (SKZ-Certificate No. 116/03).

Housing made of pressed steel, yellow-zinc-chromatised, double ball bearing swivel head, riveted, dustguard, wheel axle with nut

Wheels:

PXU Wheel centre: Polypropylene
Tread: solid rubber, black,
synthetic-plain-bearing

Wheel sizes: 200 mm Ø

Load capacity: 205 kg per castor

Type 2 for mobile waste containers made of steel

This castor meets the regulations for mobile waste containers according DIN EN 840-5 (SKZ-Certificate No. 53905).

Housing made of pressed steel, blue-zinc-chromatised, double ball bearing swivel head, riveted, dustguard, wheel axle with nut

Wheels:

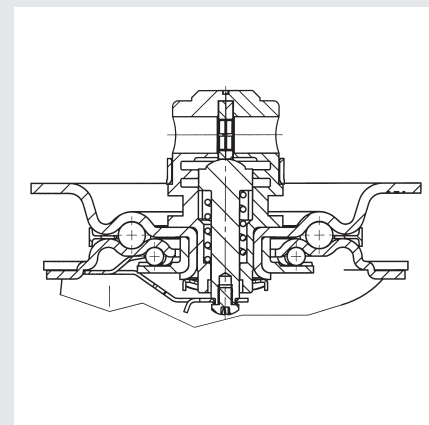
DVR Wheel centre: pressed steel
Tread: solid rubber, black,
roller bearing

DVP Wheel centre: pressed steel
Tread: solid rubber, black,
precision ball bearing

Wheel sizes: 200 mm Ø

Load capacity: 205 kg per castor

Series 3476...P69



Fixed castor with central or dead man lock

Series 349... P69... /Series 849... P69...



Series 3499/8499...

Fixed castors of the series 3499/8499 with integrated locking mechanism. The cam perpendicular is always to the long side of plate.

Three functions are available:

Q0: The locking mechanism is activated through the cam via a lever. The lever reverses automatically to the base position.

Q1 = The locking mechanism is activated through the cam via a lever. Model 1: The lever remains in the set position. The lever has to be actuated again to reverse the brake bolt to position 0.

Q2 = The locking mechanism is activated through the cam via a lever. The lever remains in the set position. The lever has to be actuated again to reverse the brake bolt to position 0. As an alternative, the lever also reverses automatically to the base position. Cam bore perpendicular to the long side of plate.

Series 3499

Fork made of pressed steel, bright zinc plated, blue passivated, wheel axle with nut.

Series 8499

Fork made of Stainless Steel, wheel axle with nut.

Series 349D/849D...

Fixed castor with dead man lock, central brake release.

Series 349D

Fork made of pressed steel, bright zinc plated, blue passivated, wheel axle with nut.

Series 849D

Fork made of Stainless Steel, wheel axle with nut.

Plate fitting with integrated central lock.

Wheels:

UFR/UFD Wheel centre: Polyamide

UFP/UFX Tread: elastic-tyre, grey, non-marking, with small threadguards,

UFR = roller bearing

UFD = roller bearing, stainless

UFP = precision ball bearing

UFX = precision ball bearing, sealed

UER/UED Wheel centre: Polyamide

UEP/UEX Tread: elastic-tyre, black, with small threadguards,

UER = roller bearing

UED = roller bearing, stainless

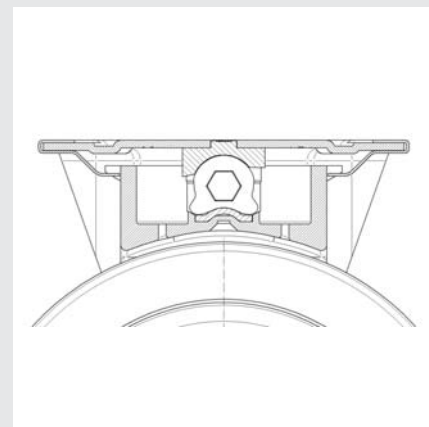
UEP = precision ball bearing

UEX = precision ball bearing, sealed

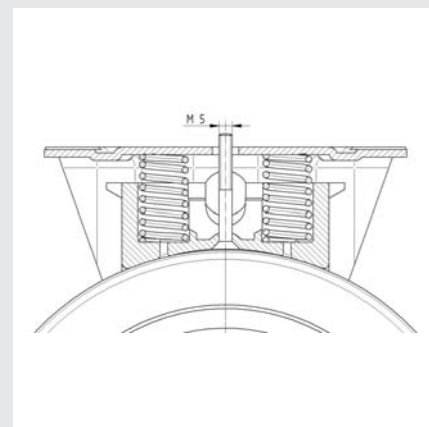
Wheel sizes: 160 mm and 200 mm Ø

Load capacities: 300 kg and 350 kg per castor

Series 3499/8499



Series 349D/849D



Stainless Steel castors

Series 8470



Thanks to outstanding technology and perfect craftsmanship, TENTE Stainless Steel castors are immune to exceptional operating conditions.

They show no damage, even in the long term, when exposed to water, ice, fluctuating temperatures, salt, grease or cleaning agents.

Stainless Steel castors can be specially equipped for use in particular fields of application, e.g. for use in bakeries, with heat-resistant wheels which can withstand temperatures of +280°C.

Series 8470

Housing made of Stainless Steel, double ball bearing swivel head, wheel axle with nut

Available as:

- 8470 Swivel castor
- 8478 Fixed castor
- 8477 Swivel castor with total lock

Fittings:



Plate

Bolt hole 13 mm



Wheels:

- UFX Wheel centre: Polyamide
Tread: elastic-tyre, grey non-marking, with small threadguards, precision ball bearing, sealed
- UFD Wheel centre: Polyamide
Tread: elastic-tyre, grey non-marking, roller bearing, stainless
- UAD Wheel centre: Polyamide, white
Tread: Polyurethane, purple, roller bearing, stainless
- UOO Wheel: Polyamide, white, plain bearing

Wheel sizes:

80 mm to 200 mm Ø

Load capacity:

up to 500 kg per castor

Stainless Steel castors with heat resisting wheels:

Available as:

- 8470 Swivel castor
- 8478 Fixed castor

Wheels:

- IDG Wheel centre: Aluminium
Tread: heat resisting rubber, damping, with threadguards, self-lubricating bushing, temperature range from -30°C to +250°C

Our heat resistant wheels can be used for up to 5 minutes at an ambient temperature of 310°C. However, the temperature of the tread must not be allowed to exceed 250°C.

Wheel size: 100 mm Ø

Load capacity: 80 kg per castor

- BOG Wheel made of duroplastic, self-lubricating bushing, temperature range from -40°C to +280°C

Higher temperatures are possible in the short term. We shall be happy to advise you.

Wheel sizes – Load capacities:

- 080 mm Ø – 100 kg per castor
- 100 mm Ø – 125 kg per castor

Explanation to the locking system

Series 3479...P69... /P70... and 3471...P69... /P70...

0 = automatic reverse to cam position

The locking mechanism is activated through the cam via a lever. Model 0: The lever reverses automatically to the base position:

- L0-11 = cam bore parallel to the long side of plate, SW 11 mm
- Q0-11 = cam perpendicular to the long side of the plate, SW 11 mm
- L0-13 = cam bore parallel to the long side of plate, SW 13 mm
- Q0-13 = cam perpendicular to the long side of the plate, SW 13 mm

2 = automatic and manual reverse by the rotation to the left or right side

This locking mechanism has a double function by actuation into different directions.

- Q2-11 = cam perpendicular to the long side of the plate, SW 11 mm
- Q2-13 = cam perpendicular to the long side of the plate, SW 13 mm

Wrench size (SW)

1 = without automatic reverse to cam position

The locking mechanism is activated through the cam via a lever:

Model 1: The lever remains in the set position. The lever has to be actuated again to reverse the brake bolt to position 0.

- L1-11 = cam bore parallel to the long side of plate, SW 11 mm
- Q1-11 = cam perpendicular to the long side of the plate, SW 11 mm
- L1-13 = cam bore parallel to the long side of plate, SW 13 mm
- Q1-13 = cam perpendicular to the long side of the plate, SW 13 mm

P 69 = Plate size P63

P 69	- Q	0 - 11
	- L	1 - 13

Plate sizes

cam perpendicular based to the long/parallel side of the plate

cam position

size of the cam hex hole (SW)

P 70 = Plate size P62

P 70	- Q	0 - 11
	- L	1 - 13

Plate sizes

cam perpendicular based to the long/parallel side of the plate

cam position

size of the cam hex hole (SW)

L0-11 = Locking mechanism for mobile waste containers

