

AT A GLANCE



# PLASTIC BODY CASTORS

we move your life



What is the best way to transport my goods from one place to another? Sure, on CASCOO castors. But which castors do I actually need for my purpose? Various influences should be taken into account when choosing the right wheels: load capacity, temperature range, ground surface, noise characteristics, working environment and of course the price. In the following we would like to provide you an overview that can be used as a guide to help you make your decision.



## Two or rather four swivel castors?

Regardless of whether you use two swivel and two fixed castors or prefer four swivel castors, both versions have their right to exist. If you have to cover long distances with your transport trolley, we recommend equipping it with two swivel and two fixed castors, as the fixed castors ensure stable straight running and the user does not have to constantly correct the direction of movement. If you have to transport your goods in narrow aisles (e.g. shopping trolleys in the supermarket), the version with four swivel castors is the right choice, as you are so flexible in lateral movements and can turn on your heel.



## How do I calculate the maximum load capacity?

When using four castors under a transport trolley, you must always assume that one castor is „hanging“ in the air - due to an uneven floor for example - and cannot contribute to the stability of the trolley. Therefore, the total load capacity of a trolley is always calculated with 3 out of 4 castors. The details of the load capacity on the following pages always refer to the dynamic properties of the respective DIN standards (EN 12530 - 12533) per castor. If you multiply these values by 3, you get the total load capacity of the trolley according to the corresponding DIN standard and its requirements.



## When do I need a braked version?

A distinction is usually made between a total brake, which blocks the direction and the run of a castor, and a directional lock, where the wheel is still moving but in terms of alignment „only“ works like a fixed castor. The most common type of lock is the total lock (or double stop). It is very important to note that this is not working as a real brake, but as a lock, which only secures the transport trolley against rolling away. We guarantee the functionality here under the following definition:

### **combination of two fixed castors - one swivel castor - one swivel castor with total lock**

- securing of an empty or loaded transport trolley against rolling away on basically level surfaces, but with a maximum gradient of 2%
- securing of an empty or loaded transport trolley against rolling away in light winds
- short-term detection of an empty or loaded transport trolley on truck lifting platforms in combined use with the roll-off protection of the lift

### **Combination of two fixed castors – two swivel castors with total brakes**

- securing of an empty or loaded transport trolley against rolling away on surfaces with a maximum gradient of 5%
- securing of an empty or loaded transport trolley against rolling away in strong winds (does not protect against overturning of the trolley)
- detection of an empty or loaded roll container in the truck in combination with legally compliant load securing. As far as possible, the brakes should not be activated in the moving truck

[The operator is obliged to carry out the operation taking into account the applicable legislation]

# HOW TO MAKE YOUR right choice



## Which material do I choose for my purpose?

Probably the most difficult question when choosing your right choice of suitable castors is the question of the material. Each material has different properties and accordingly different advantages and disadvantages as well. Material can be soft or hard, loud or quiet, solid or light and much more. On the following pages we will bring you closer to the advantages of each series and hope to be able to support you with your decision. If you have unanswered questions, please do not hesitate to contact us. On the one hand, we are happy to provide with help and advice due to many years of experience, on the other hand you may also need a special solution, which we would be happy to explain to you in a personal conversation.

## PLASTIC BODY CASTORS

Due to their optical and functional design, plastic body castors are often used where castors should create value through their appearance, but on the other hand should be easy to clean due to their smooth surfaces. They are primarily used in medical and kitchen technology, in the furniture sector and wherever a high standard of hygiene is required.

These castors are available with various attachment and locking options.

### STEM FIXATION



#### sizes of stems:

- ✓ 18 x 62 mm
- ✓ 22 x 45 mm
- ✓ 27.5 x 45 mm

### CENTRAL LOCKING SYSTEMS



#### locking system for tube diameter 34 mm,

2 or 3 positionings,  
switching shaft at 34.0 mm height from top of the castor

#### locking system for tube diameter 28 mm,

2 or 3 positionings,  
switching shaft at 78.5 mm height from top of the castor

#### locking system for tube diameter 28 mm,

2 or 3 positionings,  
switching shaft at 71.0 mm height from top of the castor

# PLASTIC BODY CASTORS AT A GLANCE



**SERIES CARA**

PP / TPR  
ball bearing

page 6



**SERIES CARA**

PP / TPR  
plain bearing

page 8



**SERIES CARA**

PP / TPR  
ball bearing

page 10



**SERIES EVA**

PA / TPU  
ball bearing

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## SERIES CARA

rim:	polypropylene
tread:	thermoplastic rubber 85° shore A grey
axle bearing:	plain bearing / ball bearing
threadguard:	without / full covering plastic threadguard
load capacity:	75 kg to 110 kg
wheel diameter:	75 mm to 125 mm
temperature range:	-20°C to +60°C



swivel castor

									
		[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]
SCPESPC100P2A2P0N		100	77x67	61.5/56x51.5/46.5	8.5	38	140		100
SCPESPC100P2A2B42									
SCPESPC125P2A2P0N		125	77x67	61.5/56x51.5/46.5	8.5	40	165		110
SCPESPC125P2A2B42									



swivel castor with total brake

TCPESPC100P2A2P0N		100	77x67	61.5/56x51.5/46.5	8.5	38	140	97	100
TCPESPC100P2A2B42									
TCPESPC125P2A2P0N		125	77x67	61.5/56x51.5/46.5	8.5	40	165	102.5	110
TCPESPC125P2A2B42									



swivel castor with directional lock

DCPESPC100P2A2P0N		100	77x67	61.5/56x51.5/46.5	8.5	38	140	97	100
DCPESPC100P2A2B42									
DCPESPC125P2A2P0N		125	77x67	61.5/56x51.5/46.5	8.5	40	165	102.5	110
DCPESPC125P2A2B42									

**EXAMPLE FOR APPLICATION**

- ✓ medical equipment
- ✓ canteen kitchen equipment

**HIGHLIGHTS AND ADVANTAGES**

- ✓ highest quality level with ball bearing for swivel rotation
- ✓ ball bearing as axle bearing for improved rolling resistance
- ✓ also available in stainless steel and ESD version



bolt hole swivel castor

		 [mm]	 [mm]		 [mm]	 [mm]	 [mm]	 [kg]
HCH0SRC075P2A2P0N		75	11		30	100.5		75
HCH0SRC075P2A2B42								
HCH0SPC100P2A2P0N		100	11		38	137		100
HCH0SPC100P2A2B42								
HCH0SPC125P2A2P0N		125	11		40	162		110
HCH0SPC125P2A2B42								



bolt hole swivel castor with total brake

BCH0SRC075P2A2P0N		75	11		30	100.5	77	75
BCH0SRC075P2A2B42								
BCH0SPC100P2A2P0N		100	11		38	137	97	100
BCH0SPC100P2A2B42								
BCH0SPC125P2A2P0N		125	11		40	162	102.5	110
BCH0SPC125P2A2B42								



bolt hole swivel castor with directional lock

ECH0SPC100P2A2P0N		100	11		38	137	97	100
ECH0SPC100P2A2B42								
ECH0SPC125P2A2P0N		125	11/13		40	162	102.5	110
ECH0SPC125P2A2B42								



## SERIES CARA

rim: polypropylene  
 tread: thermoplastic rubber 85° shore A grey  
 axle bearing: plain bearing  
 threadguard: without threadguard  
 load capacity: 100 kg to 110 kg  
 wheel diameter: 100 mm to 125 mm  
 temperature range: -20°C to +60°C



swivel castor

									
		[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]
SCPESRC100P2A2P0N	==	100	77x67	61.5/56x51.5/46.5	8.5	38	136		100
SCPJSRC100P2A2P0N			95x70	75x50	11				
SCPESRC125P2A2P0N	==	125	77x67	61.5/56x51.5/46.5	8.5	37	161		110
SCPJSRC125P2A2P0N			95x70	75x50	11				



swivel castor with total brake

TCPESRC100P2A2P0N	==	100	77x67	61.5/56x51.5/46.5	8.5	38	136	97	100
TCPJSRC100P2A2P0N			95x70	75x50	11				
TCPESRC125P2A2P0N	==	125	77x67	61.5/56x51.5/46.5	8.5	37	161	102	110
TCPJSRC125P2A2P0N			95x70	75x50	11				



swivel castor with directional lock

DCPESRC100P2A2P0N	==	100	77x67	61.5/56x51.5/46.5	8.5	38	137	97	100
DCPJSRC100P2A2P0N			95x70	75x50	11				
DCPESRC125P2A2P0N	==	125	77x67	61.5/56x51.5/46.5	8.5	37	161	102	110
DCPJSRC125P2A2P0N			95x70	75x50	11				

**EXAMPLE FOR APPLICATION**

- ✓ medical equipment
- ✓ canteen kitchen equipment

**HIGHLIGHTS AND ADVANTAGES**

- ✓ Price breaker due to double ball race and plain bearing wheel
- ✓ also available in stainless steel and ESD version
- ✓ can be combined with stems or expanders



		 [mm]	 [mm]		 [mm]	 [mm]	 [mm]	 [kg]
bolt hole swivel castor								
HCH0SRC100P2A2P0N	==	100	11.2		38	137		100
HCH0SRC125P2A2P0N	==	125	11.2		37	162		110



bolt hole swivel castor with total brake								
BCH0SRC100P2A2P0N	==	100	11.2		38	137	97	100
BCH0SRC125P2A2P0N	==	125	11.2		37	162	102	110



bolt hole swivel castor with directional lock								
ECH0SRC100P2A2P0N	==	100	11.2		38	137	97	100
ECH0SRC125P2A2P0N	==	125	11.2		37	162	102	110



## SERIES CARA

rim: polypropylene  
 tread: thermoplastic rubber 85° shore A grey + thermoplastic rubber 65° shore A blue  
 axle bearing: ball bearing  
 threadguard: full covering plastic threadguard  
 load capacity: 100 kg to 110 kg  
 wheel diameter: 100 mm to 125 mm  
 temperature range: -20°C to +60°C



swivel castor

		 [mm]	 [mm]	 [mm]	 [mm]	 [mm]	 [mm]	 [mm]	 [kg]
SCPESPC100P2Q2B42		100	77x67	61.5/56x51.5/46.5	8.5	38	140		100
SCPJSPC100P2Q2B42			95x70	75x50	11				
SCPESPC125P2Q2B42		125	77x67	61.5/56x51.5/46.5	8.5	40	165		110
SCPJSPC125P2Q2B42			95x70	75x50	11				



swivel castor with total brake

TCPESPC100P2Q2B42		100	77x67	61.5/56x51.5/46.5	8.5	38	140	97	100
TCPJSPC100P2Q2B42			95x70	75x50	11				
TCPESPC125P2Q2B42		125	77x67	61.5/56x51.5/46.5	8.5	40	165	102.5	110
TCPJSPC125P2Q2B42			95x70	75x50	11				



swivel castor with directional lock

DCPESPC100P2Q2B42		100	77x67	61.5/56x51.5/46.5	8.5	38	140	97	100
DCPJSPC100P2Q2B42			95x70	75x50	11				
DCPESPC125P2Q2B42		125	77x67	61.5/56x51.5/46.5	8.5	40	165	102.5	110
DCPJSPC125P2Q2B42			95x70	75x50	11				

**EXAMPLE FOR APPLICATION**

- ✓ medical equipment
- ✓ canteen kitchen equipment

**HIGHLIGHTS AND ADVANTAGES**

- ✓ highest quality level with ball bearing for swivel rotation
- ✓ ball bearing as axle bearing for improved rolling resistance
- ✓ silent run due to 2-component-technique



		 [mm]	 [mm]		 [mm]	 [mm]	 [mm]	 [kg]
bolt hole swivel castor								
HCH0SPC100P2Q2B42		100	11		38	137		100
HCH0SPC125P2Q2B42		125	11		40	162		110



		[mm]	[mm]		[mm]	[mm]	[mm]	[kg]
bolt hole swivel castor with total brake								
BCH0SPC100P2Q2B42		100	11		38	137	97	100
BCH0SPC125P2Q2B42		125	11		40	162	102.5	110



		[mm]	[mm]		[mm]	[mm]	[mm]	[kg]
bolt hole swivel castor with directional lock								
ECH0SPC100P2Q2B42		100	11		38	137	97	100
ECH0SPC125P2Q2B42		125	11		40	162	102.5	110

CARA



## SERIES EVA

rim: polyamide  
 tread: thermoplastic polyurethane 95° shore A grey  
 axle bearing: ball bearing  
 threadguard: full covering plastic threadguard  
 load capacity: 90 kg to 110 kg  
 wheel diameter: 75 mm to 125 mm  
 temperature range: -20°C to +60°C



		[mm]							[kg]
bolt hole swivel castor									
HVH0SPC075N0U2B40		75		11	23	78			90
HVH0SPC100N0U2B40		100		11	32	118			100
HVH0SPC125N0U2B40		125		13	40	143			110



		[mm]							[kg]
bolt hole swivel castor with total brake									
BVH0SPC075N0U2B40		75		11	23	78	82		90
BVH0SPC100N0U2B40		100		11	32	118	109		100
BVH0SPC125N0U2B40		125		13	40	143	129		110

### EXAMPLE FOR APPLICATION

- ✓ medical equipment
- ✓ canteen kitchen equipment

### HIGHLIGHTS AND ADVANTAGES

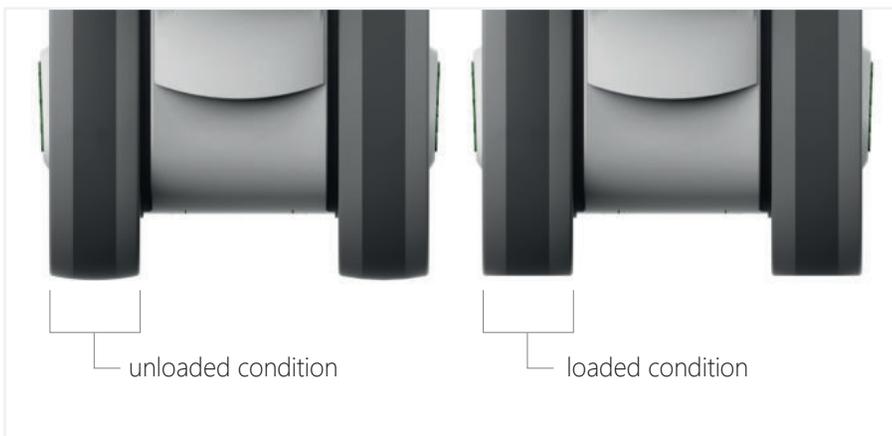
- ✓ also available as stainless steel version
- ✓ can be combined with circlip or threaded stems



reddot winner 2021



Our „EVA“ concept was awarded the Red Dot Award in 2021. High quality combined with high quality design – our “EVA” concept.



EVA



**CASCOO - ALWAYS THE RIGHT CHOICE**





[WWW.CASCOO.EU](http://WWW.CASCOO.EU)





### **Distribution Europe**

#### **CASCOO Europe GmbH**

Lütke Haar 15  
59602 Rùthen  
Germany  
+49 (0) 2952 9706290  
info@cascoo.eu  
www.cascoo.eu

### **Production China**

#### **Zhongshan CASCOO Metal Machinery Co.,Ltd.**

No.108 Zhaoyi road  
Dongsheng Town, Zhongshan, Guangdong, China  
Post Code: 528414  
+86 (0) 760 89821559  
sales@cascoo.com  
www.cascoo.com

