

AT A GLANCE



LIGHT HEAVY DUTY CASTORS AND COMPACT 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



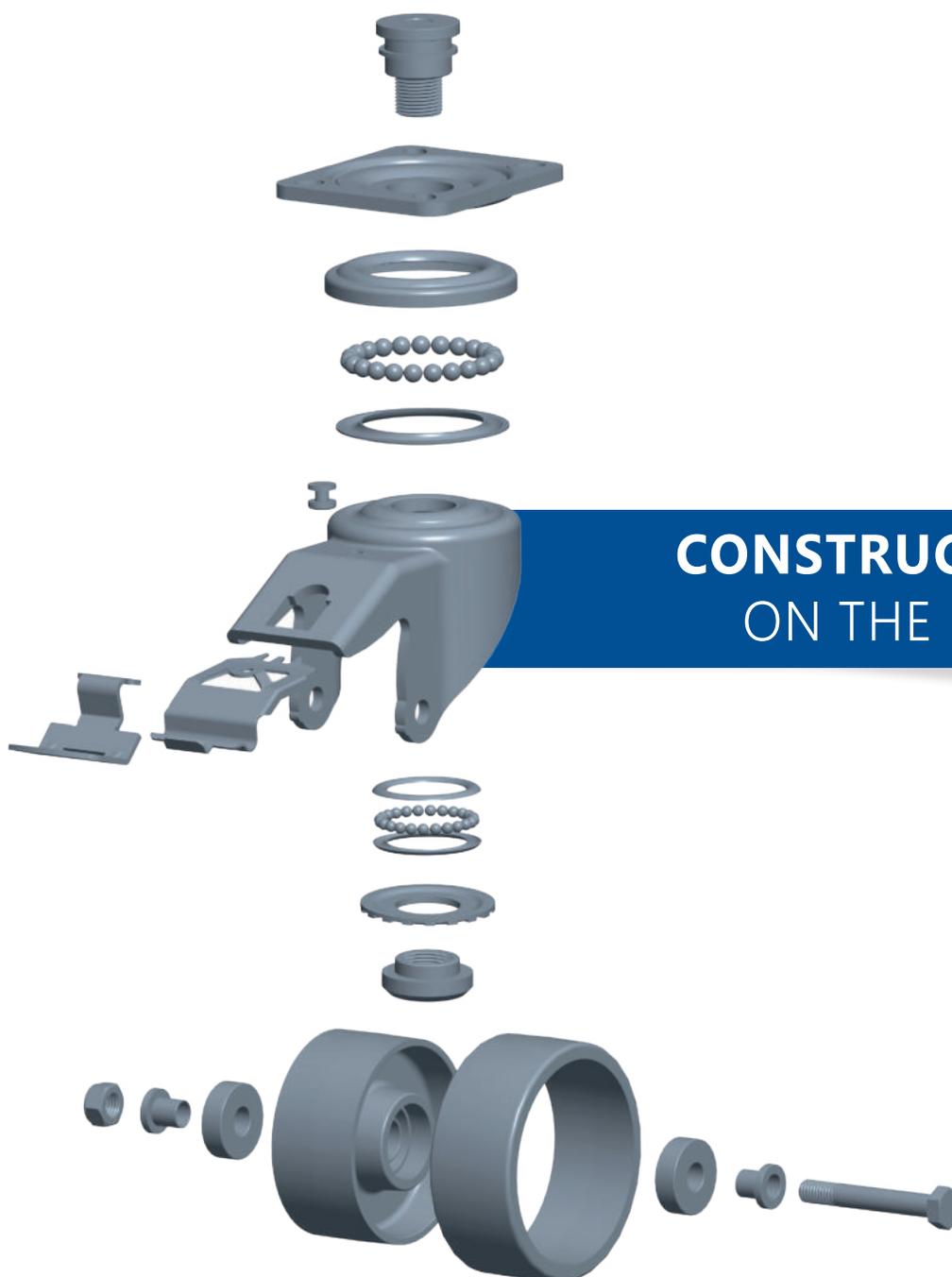
Which material do I choose for my purpose?

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.

LIGHT HEAVY DUTY

Light heavy duty castors are used where higher loads are required to be transported, which a standard industrial castor can't meet anymore and where a heavy duty castor would be too oversized. In addition, the light heavy duty castors a low overall height provides through their small wheel diameter. Areas of application include mechanical engineering, automotive, construction industry, event technology.

These castors are available with plate attachments in different wheel diameters.



CONSTRUCTION
ON THE POINT

LIGHT HEAVY DUTY AND COMPACT CASTORS AT A GLANCE



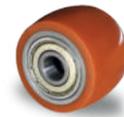
SERIES DAU5
aluminium / PU

page 6



SERIES V0Z0
PA

page 8



**COMPACT
CASTORS
SERIES SWU5**
steel rim / PU

page 10



SERIES DAU5

rim:	aluminium
tread:	polyurethane 95° shore A brown
axle bearing:	double precision ball bearing
threadguard:	without
load capacity:	180 kg to 350 kg
wheel diameter:	80 mm to 125 mm
temperature range:	-20°C to +60°C



swivel castor

								
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]
SHPKKWC080DAU5D0N		080	100x85	80/75x60/55/48	9.2	45	120	180
SHPKKWC100DAU5D0N		100	100x85	80/75x60/55/48	9.2	45	140	250
SHPLKWC100DAU5D0N			135x108	105x80/75	11			
SHPKKWC125DAU5D0N		125	100x85	80/75x60/55/48	9.2	45	165	350
SHPLKWC125DAU5D0N			135x108	105x80/75	11			



fixed castor

FHPK4WC080DAU5D0N		80	100x88	80/75x60/55/48	9.2		120	180
FHPK4WC100DAU5D0N		100	100x88	80/75x60/55/48	9.2		140	250
FHPK4WC125DAU5D0N		125	100x88	80/75x60/55/48	9.2		165	350

EXAMPLE FOR APPLICATION

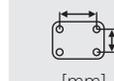
- ✓ various mobile storage and transport devices with high loads
- ✓ mechanical engineering
- ✓ automotive

HIGHLIGHTS AND ADVANTAGES

- ✓ transport of higher load capacities with low heights
- ✓ extremely strong housing with hardened ball track
- ✓ high load capacity in relation with hole pattern 80 x 60 mm



swivel castor with total brake

									
		[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]
THPKKWC080DAU5D0N		080	100x85	80/75x60/55/48	9.2	45	120	85	180
THPKKWC100DAU5D0N		100	100x85	80/75x60/55/48	9.2	45	140	95	250
THPLKWC100DAU5D0N			135x108	105x80/75	11				
THPKKWC125DAU5D0N		125	100x85	80/75x60/55/48	9.2	45	165	107.5	350
THPLKWC125DAU5D0N			135x108	105x80/75	11				



single wheel

								
		[mm]	[mm]	[mm]	[mm]	ø		[kg]
080DAU5D0N		080	30	35/47	15	M10		180
100DAU5D0N		100	40	40/47	15	M10		250
100DAU5D0N-50				40/50	12	M8		
125DAU5D0N		125	40	45/47	15	M10		350
125DAU5D0N-50				45/50	15	M10		



SERIES V0Z0

rim:	polyamide
tread:	polyamide
axle bearing:	double precision ball bearing
threadguard:	without
load capacity:	300 kg to 700 kg
wheel diameter:	75 mm to 125 mm
temperature range:	-40°C to +80°C



swivel castor

								
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]
SHPKKWC075V0Z0D0N		75	100x85	80/75x60/55/48	9.2	45	117.5	300
SHPKKWC080V0Z0D0N		80	100x85	80/75x60/55/48	9.2	45	120	300
SHPKKWC100V0Z0D0N		100	100x85	80/75x60/55/48	9.2	45	140	500
SHPLKWC100V0Z0D0N		100	135x108	105x80/75	11	45	140	500
SHPKKWC125V0Z0D0N		125	100x85	80/75x60/55/48	9.2	45	165	700
SHPLKWC125V0Z0D0N		125	135x108	105x80/75	11	45	165	700



fixed castor

FHPK4WC075V0Z0D0N		75	100x88	80/75x60/55/48	9.2		117.5	300
FHPK4WC080V0Z0D0N		80	100x88	80/75x60/55/48	9.2		120	300
FHPK4WC100V0Z0D0N		100	100x88	80/75x60/55/48	9.2		140	500
FHPK4WC125V0Z0D0N		125	100x88	80/75x60/55/48	9.2		165	700

EXAMPLE FOR APPLICATION

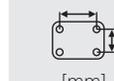
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swivel castor with total brake

									
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]
THPKKWC075V0Z0D0N		75	100x85	80/75x60/55/48	9.2	45	117.5	85	300
THPKKWC080V0Z0D0N		80	100x85	80/75x60/55/48	9.2	45	120	85	300
THPKKWC100V0Z0D0N		100	100x85	80/75x60/55/48	9.2	45	140	95	500
THPLKWC100V0Z0D0N			135x108	105x80/75	11				
THPKKWC125V0Z0D0N		125	100x85	80/75x60/55/48	9.2	45	165	107.5	700
THPLKWC125V0Z0D0N			135x108	105x80/75	11				

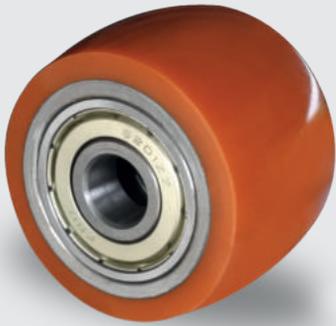


single wheel

									
	[mm]	[mm]	[mm]	[mm]	ø				[kg]
075V0Z0D0N		75	32	35/47	15	M10			300
080V0Z0D0N		80	37	45/47	15	M10			350
100V0Z0D0N		100	37	45/47	15	M10			500
100V0Z0D0N-50				45/50	12	M8			
125V0Z0D0N		125	40	45/47	15	M10			700
125V0Z0D0N-50				45/50	15	M10			

V0Z0

COMPACT CASTORS SERIES SWU5



rim: steel rim
 tread: polyurethane 93° - 95° shore A brown
 axle bearing: double ball bearing
 threadguard: without
 load capacity: 100 kg to 150 kg
 wheel diameter: 35 mm to 60 mm
 temperature range: -20°C to +60°C



swivel castor

									
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]
SZPA6WC035SWU5D0N		35	60x60	48/38x48/38	6.3	15	52.5		100
SZPS1WC050SWU5D0N		50	90x66	75/61x51/45	8.5	29	72		150
SZP21WC060SWU5D0N		60	105x80	80x60	9.2	33	80		150



swivel castor with wheel brake

TZPA6WC035SWU5D0N		35	60x60	48/38x48/38	6.3	15	52.5	56	100
TZPS1WC050SWU5D0N		50	90x66	75/61x51/45	8.5	29	72	75	150
TZP21WC060SWU5D0N		60	105x80	80x60	9.2	33	80	83	150



bolt hole swivel castor

							
	[mm]	[mm]	[kg]	[mm]	[mm]	[mm]	[kg]
HZH12WC035SWU5D0N		35	10.5		15	50.5	100
HZH35WC050SWU5D0N		50	13		29	70	150
HZH35WC060SWU5D0N		60	13		33	80	150



EXAMPLE FOR APPLICATION

- ✓ display construction and shopfitting
- ✓ AGV applications

HIGHLIGHTS AND ADVANTAGES

- ✓ resistance to acids, oils and fats
- ✓ high load capacities at low total heights



bolt hole swivel castor with wheel brake

								
	[mm]	[mm]		[mm]	[mm]	[mm]	[kg]	
BZH12WC035SWU5D0N		35	10.5		15	50.5	56	100
BZH35WC050SWU5D0N		50	13		29	70	75	150
BZH35WC060SWU5D0N		60	13		33	80	83	150

SWU5



SERIES SWU5

- | | |
|--------------------|--------------------------------|
| rim: | steel rim |
| tread: | polyurethane 95° shore A brown |
| axle bearing: | double ball bearing |
| threadguard: | without |
| load capacity: | 200 kg to 250 kg |
| wheel diameter: | 60 mm to 65 mm |
| temperature range: | -20°C to +60°C |



swivel castor

								
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]
SDP25WC060SWU5D0N		60	105x80	80/77x60	9.2	28	80	200
SDP37WC065SWU5D0N		65	105x80	80/77x60	9.2	28	86.5	250



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