

# LIFTBAGS & CATCHBAGS





## Lifting bags

Buitink Technology develops and produces lifting systems for salvaging, among others, trucks with trailers, tipper trucks and coaches. The low pressure in the bags (approx. 0.5 bar/ 7.25 psi) and the large contact surface mean there is little risk of damaging an overturned truck.

- In many cases, bags can be used to right a trailer including the load, without the need for any additional equipment, such as a crane.
- In other cases, lifting bags can be used in addition to a crane or other equipment. Lifting bags ensure more rapid, effective salvaging, saving man-hours and crane capacity.



For action videos, please visit our website:  
[www.buitink-technology.com/uk/](http://www.buitink-technology.com/uk/)



## Lifting bag set

A complete set of Buitink Technology lifting bags comprises eight bags in **various different shapes and sizes**. A set has a total lifting capacity of no less than 68 tonnes!

- The **starter bag** is the lightest and smallest in the series. Its low weight and height while empty (3 cm) make it easy and simple to install.
- The **large bag**, also referred to as the trapezium bag, has a sloped upper surface, so that the roofline of, for example, a refrigerated truck can be followed up to the tipping point. This tapered form also prevents the bag from slipping out from underneath the trailer.
- The **medium bag** has the same diameter and lifting capacity as the large bag, but is not as high. The reason for this is that stability, rather than height, is most needed when lifting a tanker truck. In addition, a medium bag is easier to install under an overturned truck.
- The **giant bag** is supplementary to the other lifting bags and can be used if there is a great deal of open space under a truck.

**In short, with a set of Buitink Technology lifting bags, you are prepared for virtually every situation!**



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# Lifting bags

- Our lifting bags are flexible, but also robust, incredibly strong and built to withstand the circumstances in which salvaging takes place.
- Our lifting bags are made from a PVC-coated fabric, making them easy to repair on the spot (with glue or a hot air welder).
- Our lifting bags are cylindrical, which produces the most even distribution of tension and load in the bag and ensures that the object being lifted is also loaded as evenly as possible.
- A large bag has a sloping upper surface, which supports the lifting process up to the last moment.
- We supply four different shapes and sizes, which can be combined to provide a solution for almost every situation.



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## Blower

**We also provide the blower necessary for creating and maintaining pressure and then extracting the air from the lifting bags again. The blower is powered by a 10 hp combustion engine, built into a mobile frame.**

This blower comes with a (dismountable) distribution block/manifold with 8 connections (with quick-action couplings). Each bag connection on the manifold has a manometer for monitoring the pressure during operation. In addition, each connection is fitted with two ball valves so that not only can the inflation of each individual bag be regulated (and stopped by closing the valve), but the decision can even be made during a salvaging operation to deflate any of the individual bags (by closing the supply and opening another valve). This generates maximum control of the lifting process.



The air hoses provided are of an extremely high industrial quality, UV and weather resistant and also antistatic, so it's safe to work with flammable substances, for example, in the vicinity of the tanker trucks.



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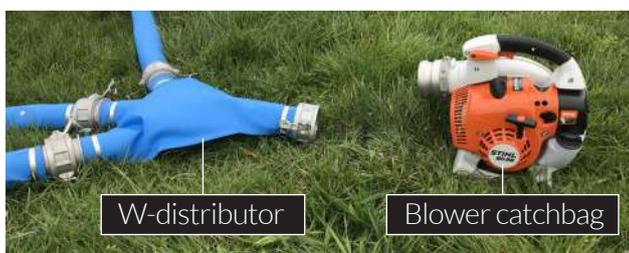
# Catchbags

In addition to lifting bags, Buitink Technology also produces catch bags, or landing bags, for trucks. These ensure that trucks being salvaged with lifting bags end up nicely on their wheels after the tipping point.

Catch bags do not provide any lifting capacity. The three air valves make sure that air escapes in a controlled fashion. Catch bags are therefore entirely separate from the lifting system and many salvage companies use them as an additional aid for salvages in which cranes are deployed.

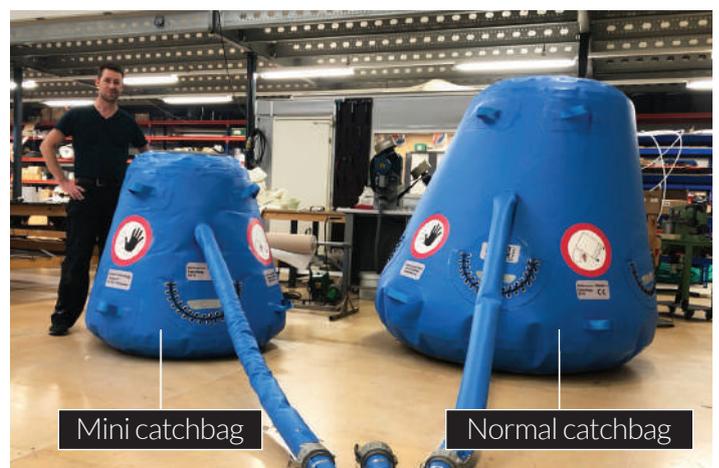
Besides catchbags for trucks and busses, Buitink Technology also produces mini-catchbags for smaller vehicles like:

- cars
- vans / value transporters
- ambulances
- campers or caravans



W-distributor

Blower catchbag



Mini catchbag

Normal catchbag



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<h1>Lifting bags</h1>		Starter	Medium	Large	Giant
		Item no.	801001	801002	801003
Specifications	Units				
Diameter	cm	100	150	150	180
	inch	39	59	59	71
Lifting surface	m <sup>2</sup>	0.79	1.77	1.77	2.54
	sq. Ft.	8.45	19.02	19.02	27.39
Operating pressure	bar	0.7	0.5	0.5	0.5
	psi	10.15	7.25	7.25	7.25
Overpressure relief valve	bar	0.70	0.50	0.50	0.50
	psi	10.15	7.25	7.25	7.25
Lifting capacity	ton	5	9	9	13
	US to	6.06	9.74	9.74	14.02
Maximum lifting height	cm	80	160	215	230
	inch	31	63	85	91
Insertion height (empty liftbag)	cm	3	3	3	3
	inch	1.18	1.18	1.18	1.18
Test pressure	bar	1.05	0.75	0.75	0.75
	psi	15.23	10.88	10.88	10.88
Volume	m <sup>3</sup>	0.63	2.83	3.80	5.85
	cu. Ft.	22.18	99.82	134.13	206.63
Anti-slip surface		top + bottom top + bottom			
Weight	kg	10	22	28	38
	lbs	22	49	62	84



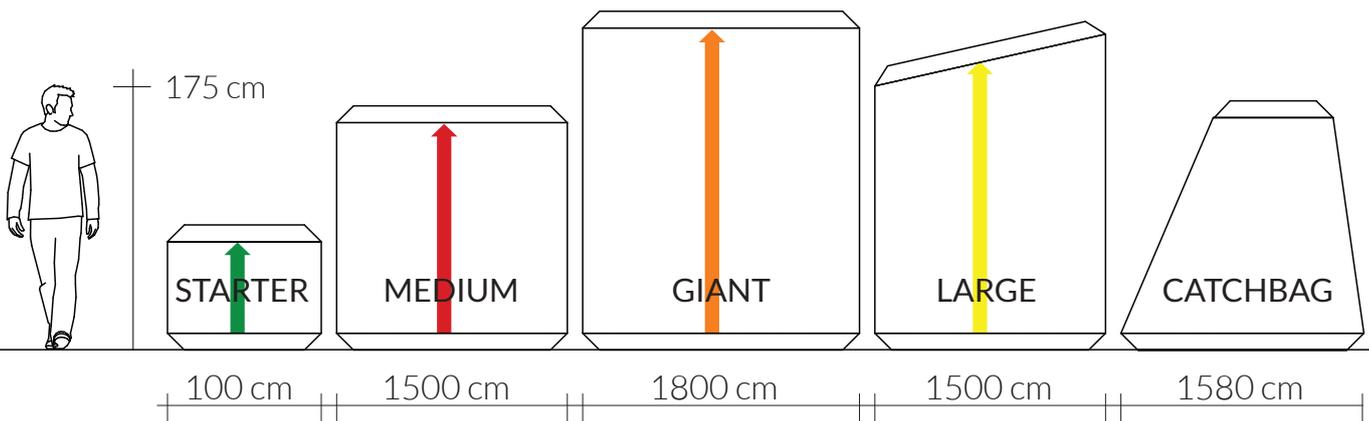
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# Catchbag/ landing bag

Item no.

901001

Specifications	Units	
Diameter top	cm	56
	inch	22
Diameter bottom	cm	158
	inch	62
Height	cm	165
	inch	65
Volume	m <sup>3</sup>	1.85
	cu. Ft.	65.32
Anti-slip surface		top + bottom top + bottom
2 meter air tube + air connection		Camlock
Weight	kg	30
	lbs	66



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# Air system

## Air system with engine

Item no. 601001

Specifications	Units	
Frame		stainless steel
Power	HP	10
Max pressure	bar	1
	psi	14.50
Vacuum		full vacuum
Capacity at 0,5 bar/ 7,25 psi	l/ min	4000
	cu ft./ min	141
Output		1x connection
Height, ready for operation	mm	560
	inch	22.05
Width	mm	450
	inch	17.72
Length	mm	820
	inch	32.28
Weight appr.	kg	45
	lbs	99



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# Hand held blower BG86

Blower for (mini) catchbags

Item no.

901004

## Specifications

## Units

Displacement

cm<sup>3</sup>

27.2

Blowing force

N

15

Max air throughput

m<sup>3</sup>/h

810



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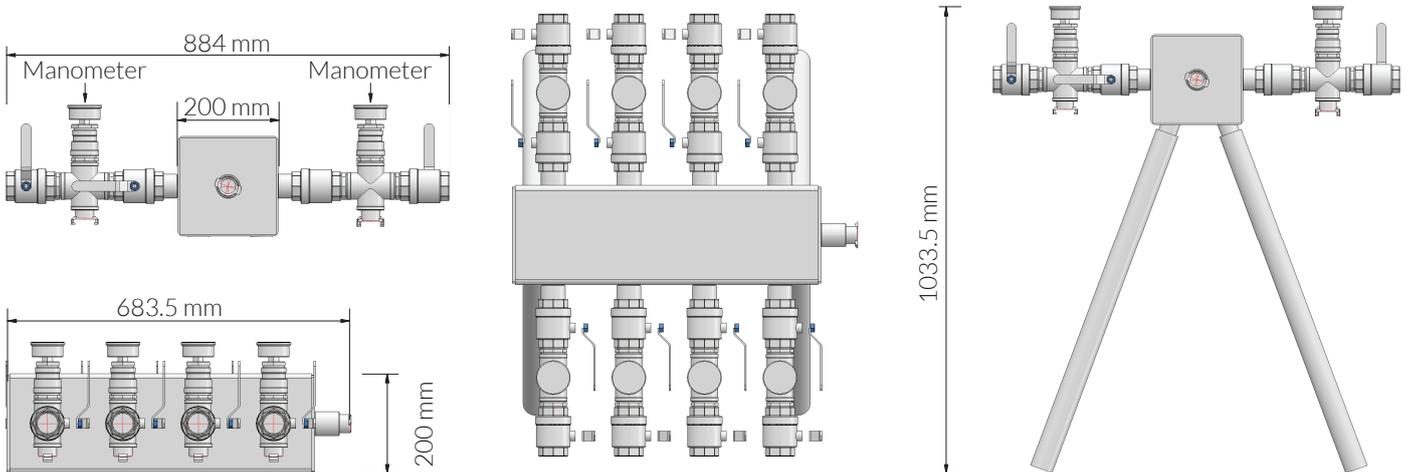
# Manifold

## Manifold controller with 8 outlets

Item no.

701001

Specifications	Units	
Material air block and frame		stainless steel
Input		1x connection
Manometer		8 pieces
	bar	1
	psi	14.50
Output		8x hose connection
Height without mounting feet	cm	35
	inch	13.78
Height, ready for operation	cm	104
	inch	40.94
Width	cm	88.5
	inch	34.84
Length	cm	85
	inch	33.46
Weight appr.	kg	40
	lbs	88



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# Vacuum/ pressure airtubes

Tanktruckhose with spiral

Item no.

701011

Specifications	Units	
Inside Diameter	cm	2.5
	inch	0.98
Outside diameter	cm	3.7
	inch	1.46
Length	cm	100
	inch	394
Min temperature	Celcius	-30
	Fahrenheit	-22
Max temperature	Celcius	80
	Fahrenheit	176
Input		1x connection
Output		1x connection
Other specifications		Oil resistant cover Weather and uv resistant cover Ozone resistant cover Electrically conductive: $R < 1$ Mega Ohm (anti static)



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# TRUCK RECOVERY

Set for trucks  
(tractor-trailer)

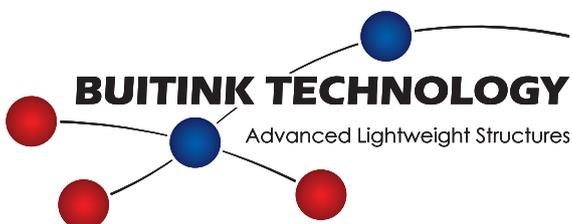
Item nr.	Description	Quantity	Units
801001	starter	2	pcs
801002	medium	2	pcs
801003	large	3	pcs
801004	giant	1	pcs
701011	inflation hose 10 meter	8	pcs
601001	air system 10 HP	1	pcs
701001	manifold with 8 outlets	1	pcs
901001	catch bag/ landing bag	3	pcs
901002	Y-distributor for catchbag	1	pcs
901003	connection hose for catchbag	2	pcs
901004	blower for catchbag	2	pcs

# BUSES RECOVERY

Set for buses

Item nr.	Description	Quantity	Units
801001	starter	2	pcs
801002	medium	2	pcs
801003	large	3	pcs
801004	giant	1	pcs
701011	inflation hose 10 meter	8	pcs
601001	air system 10 HP	1	pcs
701001	manifold with 8 outlets	1	pcs
901001	catch bag/ landing bag	2	pcs
901002	Y-distributor for catchbag*	1	pcs
901003	connection hose for catchbag	1	pcs
901004	blower for catchbag	1	pcs

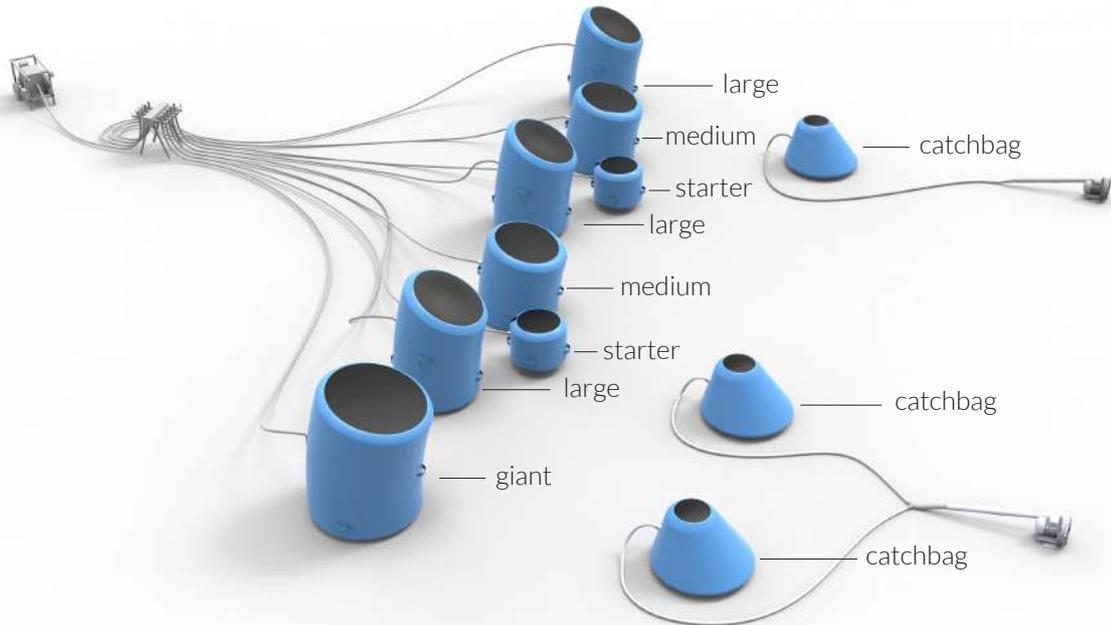
\* instead of an Y-distributor, you also can use a W-distributor (Item nr. 901005)



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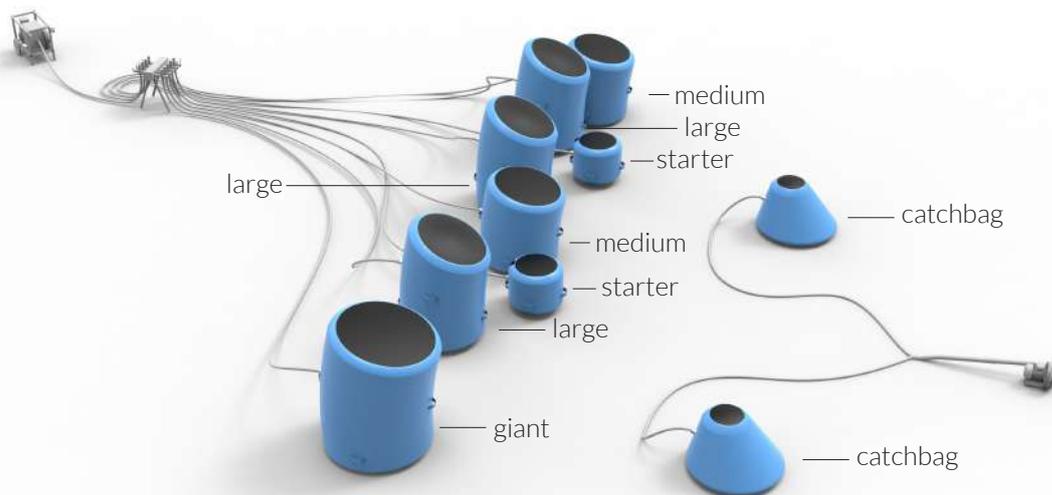
# TRUCK RECOVERY

Set for trucks  
(tractor-trailer)



# BUSES RECOVERY

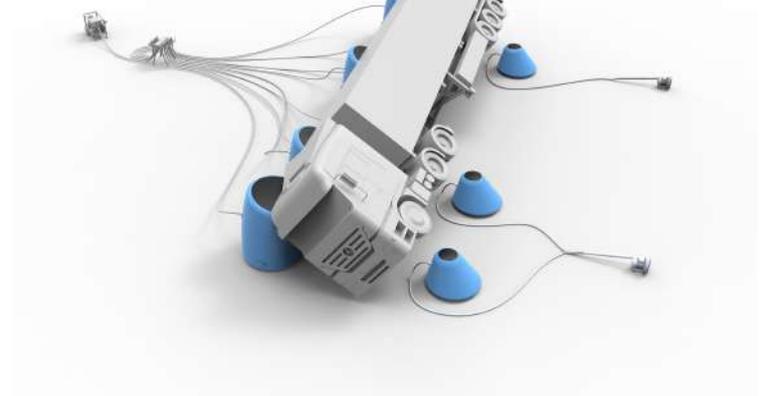
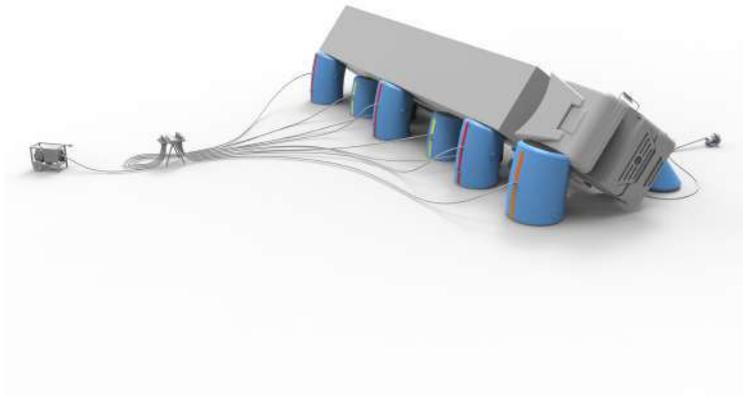
Set for buses



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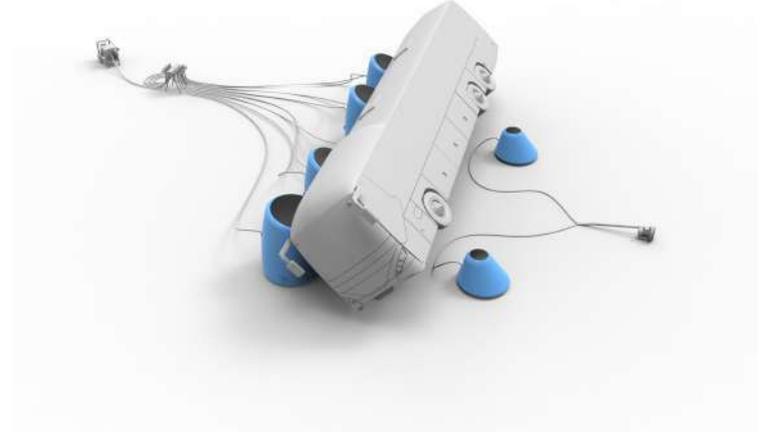
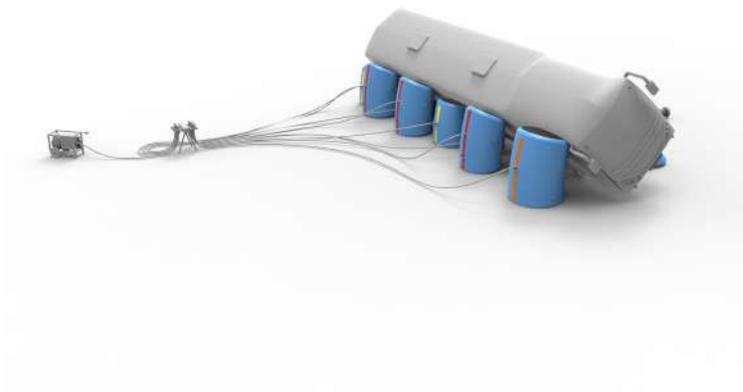
# TRUCK RECOVERY

Set for trucks  
(tractor-trailer)



# BUSES RECOVERY

Set for buses



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# VAN RECOVERY

Set for vans, campers etc.

## Mini Catchbag/ landing bag

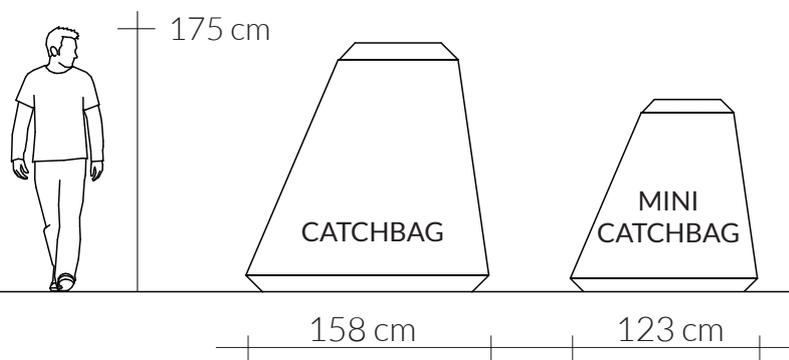
Item no.

901001M

### Specifications

### Units

Diameter top	cm	71
	inch	27.7
Diameter bottom	cm	123
	inch	48.3
Height	cm	110
	inch	43.2
Volume	m <sup>3</sup>	0.81
	cu. Ft.	28.6
Anti-slip surface		top + bottom top + bottom
2 meter air tube + air connection		Camlock
Weight	kg	30
	lbs	66

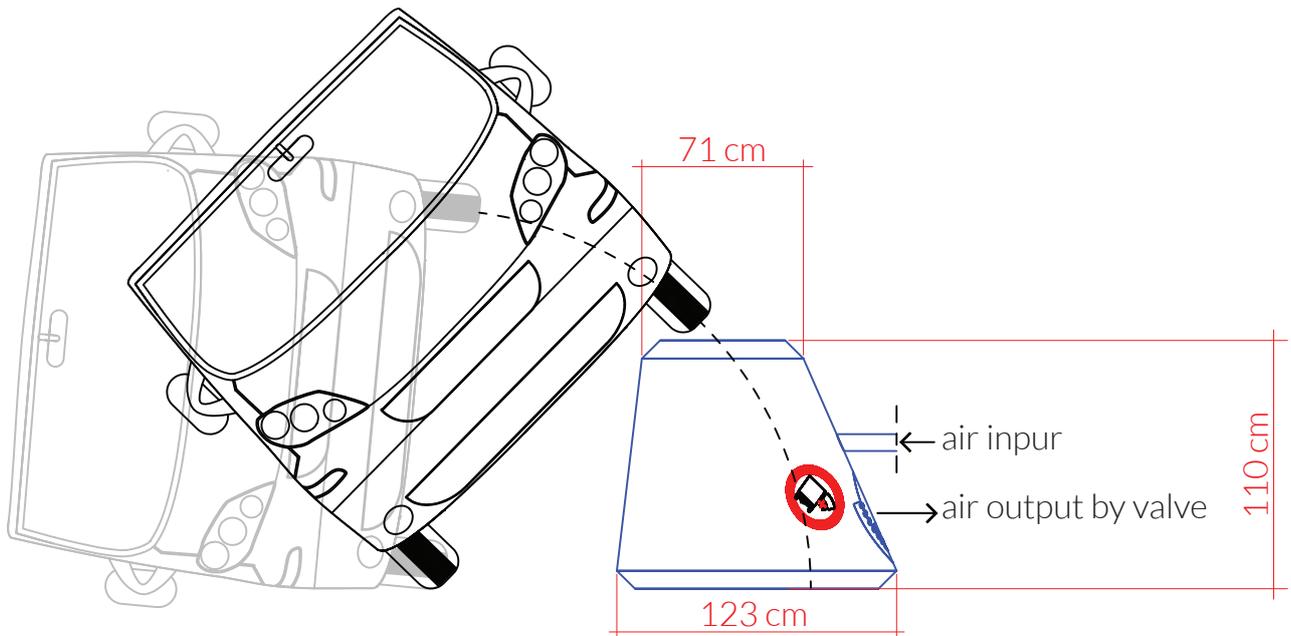


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# VAN RECOVERY

Set for vans, campers etc.

Item nr.	Description	Quantity	Units
901001M	mini catch bag/ landing bag	2	pcs
901002	Y-distributor for catchbag	1	pcs
901003	connection hose for mini-catchbag	2	pcs
901004	blower for catchbag	2	pcs



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## Other lifting bags

Buitink Technology develops and produces lifting bags for trucks, but also many other inflatable lifting systems.

➤ **These solutions are often tailor made.**

We would like to show you some of the possibilities of lifting bags. Have a look at the images below and get inspired.



# TAILOR-MADE SOLUTIONS

Side support silo



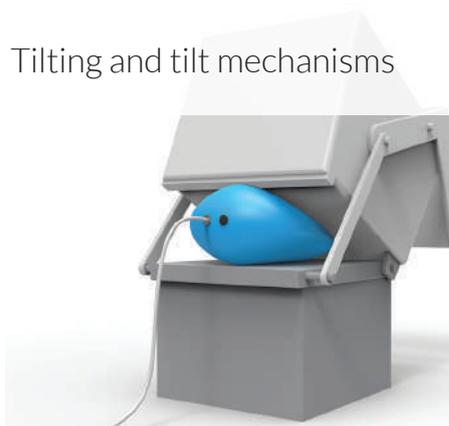
Inflatable clamp tubes



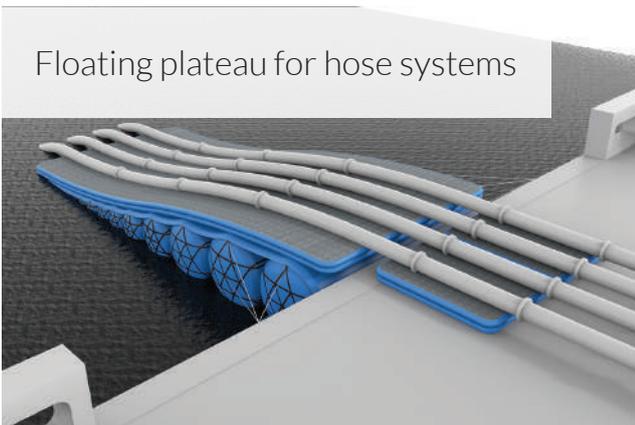
Support collapsed roof



Tilting and tilt mechanisms



Floating plateau for hose systems



Inflatable floats for bridge



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# LIFTING BAGS ON WATER



For action videos, please visit our website:  
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## LIFTBAGS & CATCHBAGS

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