



**BATES  
CARGO  
PAK®**

**REUSE**

### *Use*

Reuse is used to secure cargo, which is to be transported by sea, container, rail or road and is at risk of being exposed to loads up to 14 tons.

The empty airbag should be placed in the gaps between the cargo and inflated using compressed air. The airbag assumes the precise shape of the gap and supports and stabilises the cargo effectively during transport. The airbag can be used several times.

### *Materials*

Reuse consists of two layers of special paper, ensuring maximum strength and low weight of the airbag. On the inside Reuse consists of three layers PE quality film, which is coextruded, ensuring an ultimate airtight seal.

### *Valve*

Reuse is equipped with a patented valve, which allows very quick inflation and deflation. The valve can be opened and closed numerous times, so the airbag can be reused.



### *Airbags from Bates Cargo-Pak...*

- Available in several different types and sizes, depending on the products and mode of transportation.
- Can withstand up to 90% relative humidity (RH) at 60°C.
- Have a very high wet strength due to the complete unique choice of materials and composition.
- Entirely made from environmentally friendly materials.
  - paper, film and valve components are 100% recyclable.
  - meet the European regulations regarding the content of heavy metals.
- Have a high friction value and therefore they stay in place during transit.
- Very user friendly due to their light weight.
- Are supplied in practical standardised cartons which fit standard pallets and shelf systems.
- The fastest filling- and emptying times in the market.
- Can be used in all climatic conditions.



AR43

ISO 9001  
CERTIFIED



*Bates Cargo-Pak – our airbags will stabilize virtually any type of cargo.*

You can rely on Bates Cargo-Pak under all conditions.



# Technical specifications

## Maximum load

Size in cm		60 x 110	85 x 120	85 x 185	100 x 120	100 x 150	100 x 185	100 x 220	120 x 240
Load in tons in a gap of:	10 cm	3.5	6.5	10.5	7.0	9.0	12.0	14.0	14.9
	20 cm	1.5	4.0	6.0	4.0	5.5	7.0	9.0	10.1
	45 cm				0.5	0.9	1.2	1.5	3.0
Max. gap in cm:		25	37	37	45	45	45	45	55

## Strength

The maximum load depends on the size of the airbag and the gap between the cargo. The table above shows the load the various sizes of airbags can withstand in a gap respectively of 10, 20 and 45 cm. For example, if there is a gap of 10 cm and an airbag of the size 100x220 cm is used, the airbag can withstand a load of 14.9 tons.

## Inflation- and deflation times

60 x 110	Standard:	11 sec
	Quick:	8 sec
	Deflation time:	11 sec
100 x 220	Standard:	46 sec
	Quick:	35 sec
	Deflation time:	43 sec

## Inflation

We recommend that the Bates Standard Inflator or Bates Quick Inflator is used to inflate the airbags. The airbag must not come into contact with sharp or pointed objects and should be kept min. 5 cm clear of the floor to avoid contact with water or other liquids. In the table above filling time is based on a 3/4" hose and a pressure of 4 bar (56 psi).

## Working pressure

The maximum recommended working pressure is 0,1 bar (1,4 psi). Compared with the high bursting pressure this gives a security margin of factor 3-8 depending on the gap.

If changes in temperature, you should take into consideration the following:

- If the air in the airbag becomes significantly colder after inflation, the pressure in the airbag drops. It is possible to compensate for this during inflation by increasing the working pressure slightly.
- If the air in the airbag becomes significantly warmer after inflation, the pressure in the airbag increases. It is possible to compensate for this during inflation by reducing the working pressure slightly.

During inflation consideration should of course be given to whether the cargo and packaging can withstand the selected working pressure.

## Deflation

The airbag is deflated by pushing down the push-button, which opens the valve, allowing the airbag to be pulled out and rolled up (this is included in the indicated deflation times). When reusing the airbags it is very important to close the valve after deflating, so the valve is protected against damages and dirt.

## Weight and dimensions

Size in cm	60 x 110	85 x 120	85 x 185	100 x 120	100 x 150	100 x 185	100 x 220	120 x 240
Item number	711430	711435	711450	711455	711460	711470	711490	711495
Pcs. per carton	40	30	20	25	20	20	15	20
Pcs. per pallet	320	240	160	200	160	160	120	160
Gross weight/cart.	18.5	20.3	20.1	19.7	19.4	23.2	20.7	34.9
Gross weight/pall.	160	175	174	170	167	198	178	300

NB: Other sizes are available on request

Distributor



- the Original

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