



**BATES
CARGO
PAK®**

Use

Air Bag is used to secure cargo, which is to be transported by container or road and is at risk of being exposed to loads up to 9 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 is for one-way use and especially suitable for narrow gaps.

Materials

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

Valve

Air Bag is equipped with a patented valve, which allows very quick inflation. The valve can be turned 360°, which makes it possible to inflate the airbag from all angles. The valve closes automatically after inflation.



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
Load in tons in a gap of:	10 cm	2.3	4.1	6.6	4.9	6.4	8.0	9.7
	15 cm	1.5	2.7	4.6	3.4	4.5	5.7	6.9
	20 cm	0.9	2.0	3.4	2.5	3.4	4.4	5.5
	25 cm	0.5	1.3	2.3	1.8	2.4	3.1	3.9
	30 cm		0.8	1.5	1.2	1.6	2.3	2.7
	45 cm				0.4	0.6	0.8	1.1
Max. gap in cm:		25	37	37	45	45	45	45

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, 15, 20, 25, 30 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 9.7 tons.

Inflation times

60 x 110	11 sec
100 x 220	46 sec

Inflation

We recommend that the Bates Flex Inflator is used to inflate the airbags. To inflate, the nozzle should be pushed all the way into the valve. 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 puncturing it in one corner with a sharp object. It can then be removed immediately.

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
Item number	711730	711735	711750	711755	711760	711770	711790
Pcs. per carton	55	45	35	35	35	30	25
Pcs. per pallet	440	360	280	280	280	240	200
Gross weight/cart.	19,6	22.1	25.7	20.2	24.7	25.8	25.4
Gross weight/pall.	169	190	218	174	210	219	216

NB: Other sizes are available on request

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- the Original

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