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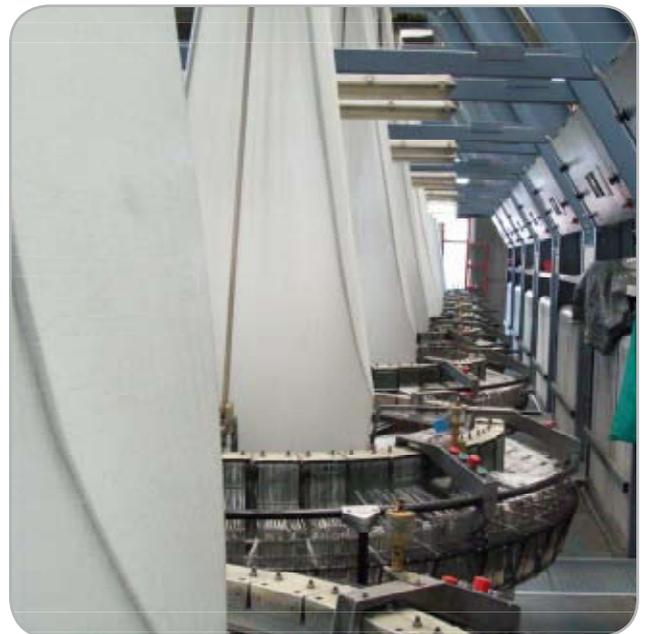
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PRODUCTION PLANT



LOOM CIRCULAR WEAVING





**LOOM FLAT WEAVING AND
PP EXTRUSION**



PRODUCTION PLANT



PE EXTRUSION AND PRODUCTION OF SMALL PP BAGS

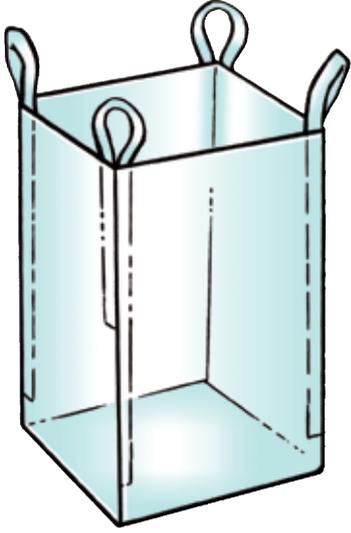




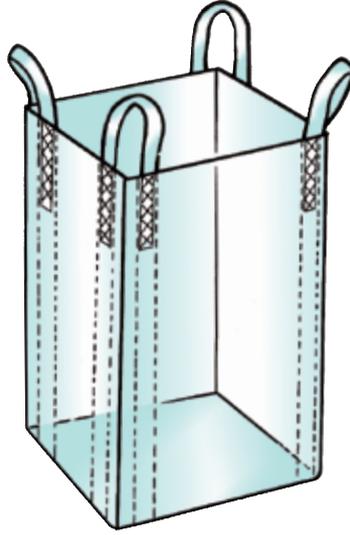
LAMINATION, CUTTING & PRINTING



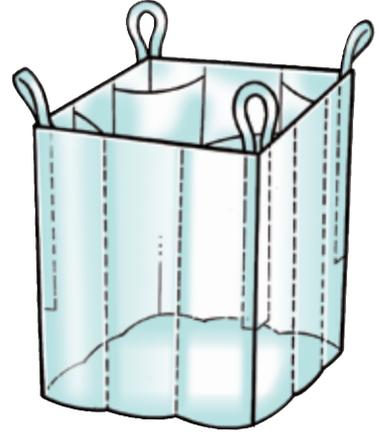
DAPHNE FIBC MODELS



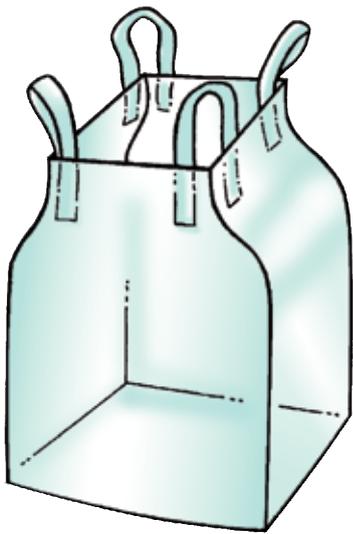
DAPHNE D-BEST



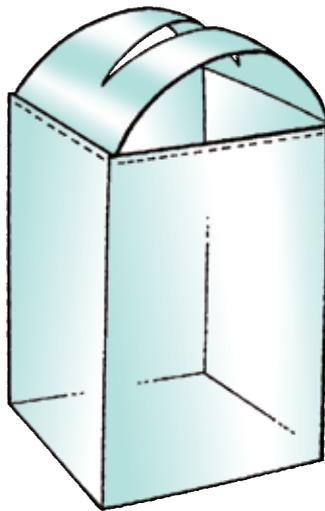
DAPHNE D-ULTRA



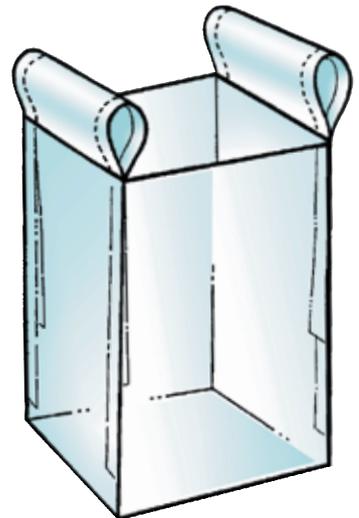
DAPHNE D-FORMA



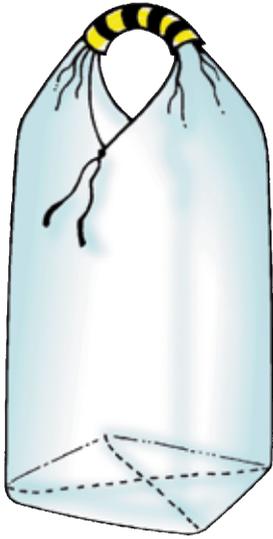
DAPHNE D-MAJOR



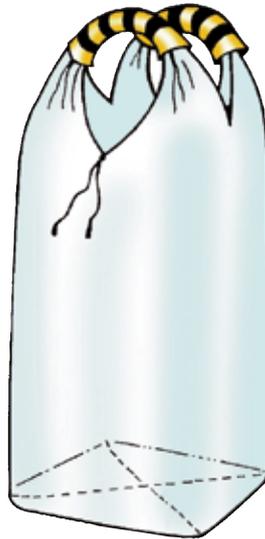
DAPHNE D-ALTO



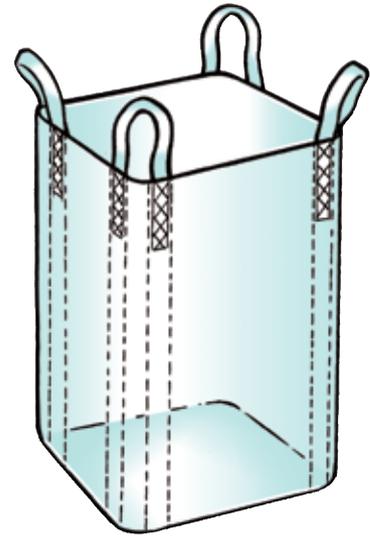
DAPHNE D-ASTA



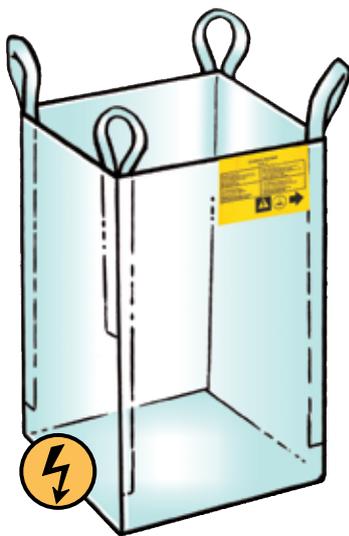
DAPHNE D-MONO



DAPHNE D-DUAL



DAPHNE D-ATLAS



DAPHNE CONDUCTIVE

WARNING

The fabric, loops and the sewing yarns used in the production of DAPHNE FIBC's are UV stabilized and tested according to ASTM G 53-93 standard against UV rays degradation. All tests are performed to achieve a residual strength and elongation of not less than 50 % of the original values after a testing period of 200 hours.

FIBC's can be stored outdoors only for short periods. If a long term outdoor storage is necessary, they must be covered by tarpaulins to protect from sunlight and rain.

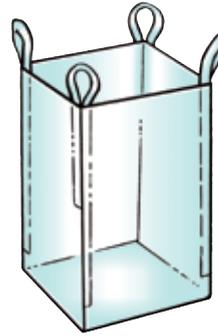
The purpose of this catalogue is to give brief information. The actual information on FIBC's may differ due to evolution of the product.

DAPHNE D-BEST

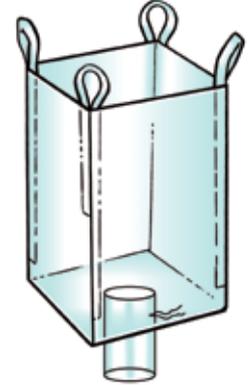
DAPHNE D-BEST has four lifting loops. Lifting loops are sewn at the top of each corner, together with the main body fabric. This model allows to obtain very high strength FIBC's.

SAFE WORKING LOAD (SWL) SAFETY FACTOR (SF)

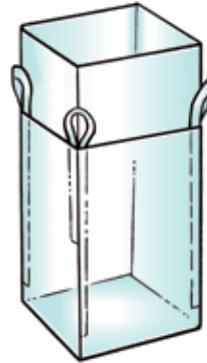
500 kg.	5:1
1.000 kg.	5:1, 6:1, 8:1
1.500 kg.	5:1, 6:1
2.000 kg.	5:1



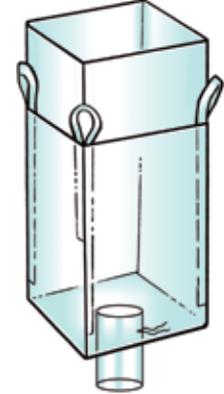
Daphne D-Best 1



Daphne D-Best 2



Daphne D-Best 3



Daphne D-Best 4

Relevant test standards

EFIBCA005 (SF 5:1) Single trip
EFIBCA004 (SF 6:1) Standard duty
EFIBCA003 (SF 8:1) Heavy Duty
UN recommendations for the transport of Dangerous Goods

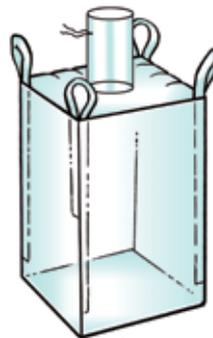
DIMENSIONS

Standard dimensions of the filling spout:
Diameter 38cm, Height 50cm.

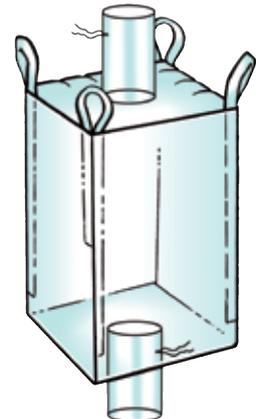
Standard dimensions of the discharge spout:
Diameter 35cm, Height 50cm.

Standard height of lifting loops: 30cm.

Other dimensions for filling and discharge spouts and the loops are available in accordance with the requirements of the user.



Daphne D-Best 5



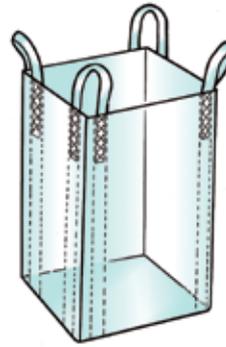
Daphne D-Best 6

DAPHNE D-ULTRA

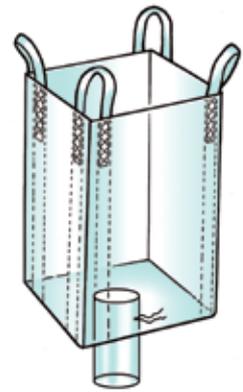


DAPHNE D-ULTRA has four lifting loops. Lifting loops are sewn to the reinforced part of the body fabric. This model allows easier handling with fork-lift trucks.

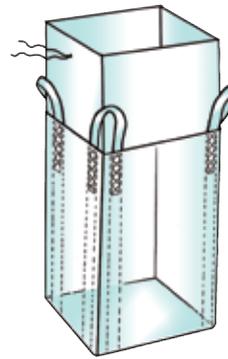
SAFE WORKING LOAD (SWL)	SAFETY FACTOR (SF)
1.000 kg.	5:1, 6:1
1.500 kg.	5:1
2.000 kg.	5:1



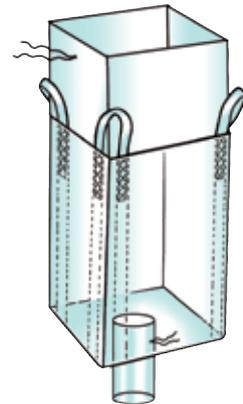
Daphne D-Ultra 1



Daphne D-Ultra 2



Daphne D-Ultra 3



Daphne D-Ultra 4

Relevant test standards

EFIBCA005 (SF 5:1) Single trip
 EFIBCA004 (SF 6:1) Standard duty

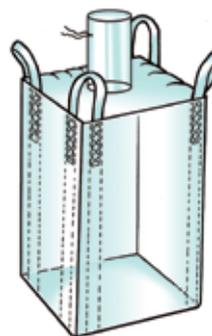
DIMENSIONS

Standard dimensions of the filling spout:
 Diameter 38cm, Height 50cm.

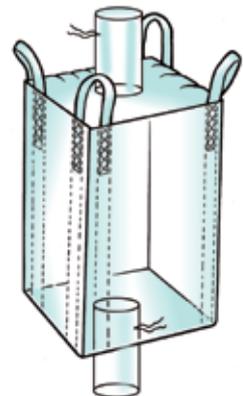
Standard dimensions of the discharge spout:
 Diameter 35cm, Height 50cm.

Standard height of lifting loops: 30cm.

Other dimensions for filling and discharge spouts and the loops are available in accordance with the requirements of the user.



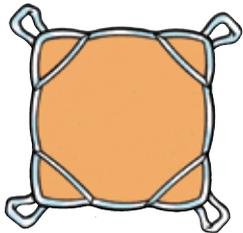
Daphne D-Ultra 5



Daphne D-Ultra 6

DAPHNE D-FORMA

DAPHNE D-FORMA has four lifting loops. Lifting loops are sewn at the top of each corner, together with the main body fabric.



DAPHNE D-FORMA keeps its square shape when filled. This feature allows approximately 20 % economy in warehousing and transportation.

Relevant test standards

EFIBCA005 (SF 5:1) Single trip
EFIBCA004 (SF 6:1) Standard duty

DIMENSIONS

Standard dimensions of the filling spout:

Diameter 38cm, Height 50cm.

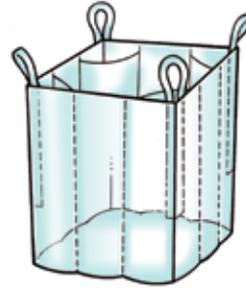
Standard dimensions of the discharge spout:

Diameter 35cm, Height 50cm.

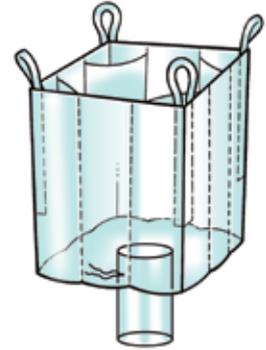
Standard height of lifting loops: 30cm.

Other dimensions for filling and discharge spouts and the loops are available in accordance with the requirements of the user.

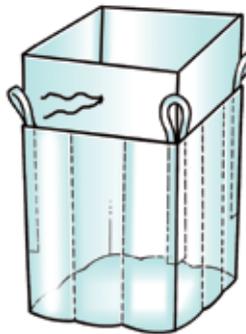
SAFE WORKING LOAD (SWL)	SAFETY FACTOR (SF)
500 kg.	5:1, 6:1
1.000 kg.	5:1, 6:1, 8:1
1.500 kg.	5:1, 6:1



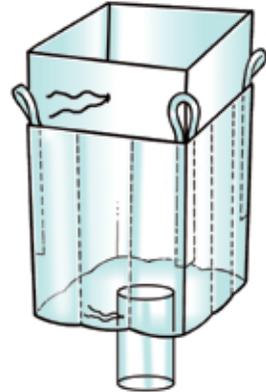
Daphne D-Forma 1



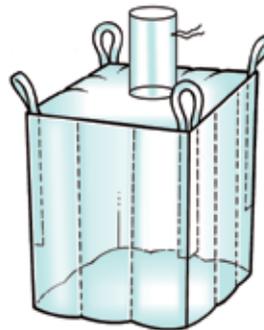
Daphne D-Forma 2



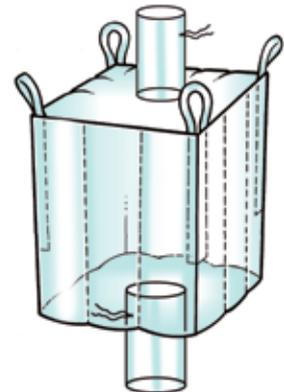
Daphne D-Forma 3



Daphne D-Forma 4



Daphne D-Forma 5



Daphne D-Forma 6

DAPHNE D-MONO



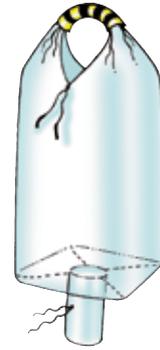
DAPHNE D-MONO model FIBC's are designed to be lifted from one point. Lifting loop is the continuation of the wall material and protected by a woven fabric on top. DAPHNE D-MONO model FIBC's made from laminated fabric are also available.



SAFE WORKING LOAD (SWL)	SAFETY FACTOR (SF)
500 kg.	5:1, 6:1
1.000 kg.	5:1, 6:1
1.500 kg.	5:1



Daphne D-Mono 1



Daphne D-Mono 2



Daphne D-Mono 3



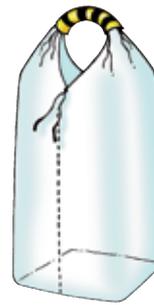
Daphne D-Mono 4



Daphne D-Mono 6



Daphne D-Mono 7



Daphne D-Mono 8



Daphne D-Mono 9

Relevant test standards

EFIBCA005 (SF 5:1) Single trip
 EFIBCA004 (SF 6:1) Standard duty
 UN recommendations for the transport of Dangerous Goods

DIMENSIONS

Standard dimensions of the discharge spout:
 Diameter 35cm, Height 50cm.

Other dimensions for discharge spouts are available in accordance with the requirements of the user.

DAPHNE D-DUAL

DAPHNE D-DUAL model FIBC's are designed to be lifted from two points. Lifting loops are the continuation of the wall material and protected by a woven fabric on top.



SAFE WORKING LOAD (SWL)	SAFETY FACTOR (SF)
500 kg.	5:1, 6:1
1.000 kg.	5:1, 6:1
1.500 kg.	5:1



Daphne D-Dual 1



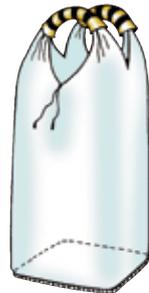
Daphne D-Dual 2



Daphne D-Dual 3



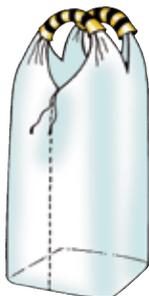
Daphne D-Dual 4



Daphne D-Dual 6



Daphne D-Dual 7



Daphne D-Dual 8



Daphne D-Dual 9

Relevant test standards

EFIBCA005 (SF 5:1) Single trip
EFIBCA004 (SF 6:1) Standard duty
UN recommendations for the transport of Dangerous Goods

DIMENSIONS

Standard dimensions of the discharge spout:
Diameter 35cm, Height 50cm.

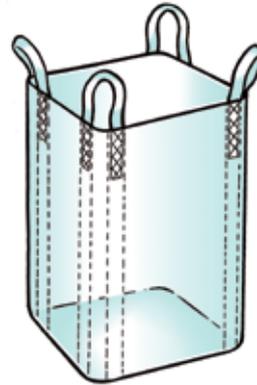
Other dimensions for discharge spouts are available in accordance with the requirements of the user.

DAPHNE D-ATLAS

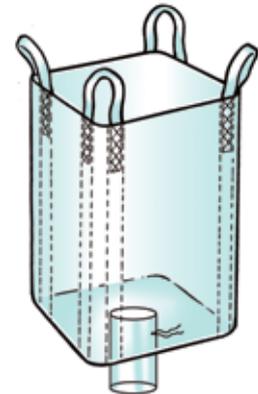


DAPHNE D-ATLAS has four lifting loops. Lifting loops are sewn on reinforced stripes of the body fabric. This model FIBC is produced from circular woven fabric and do not have vertical seams on the body fabric.

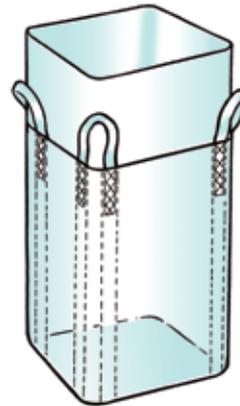
SAFE WORKING LOAD (SWL)	SAFETY FACTOR (SF)
500 kg.	5:1, 6:1
1.000 kg.	5:1, 6:1
1.500 kg.	5:1



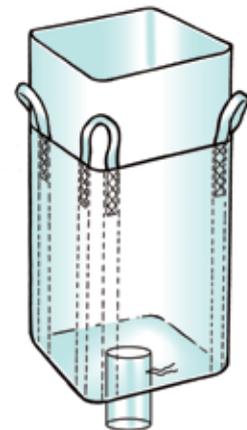
Daphne D-Atlas 1



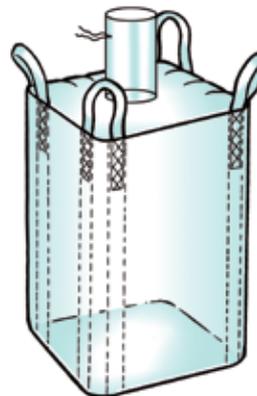
Daphne D-Atlas 2



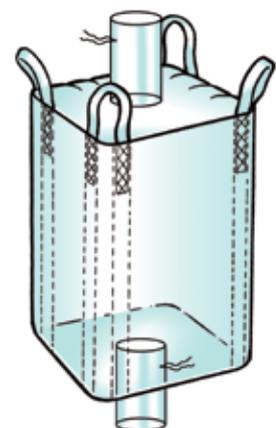
Daphne D-Atlas 3



Daphne D-Atlas 4



Daphne D-Atlas 5



Daphne D-Atlas 6

Relevant test standards

EFIBCA005	(SF 5:1)	Single trip
EFIBCA004	(SF 6:1)	Standard duty

DIMENSIONS

Standard dimensions of the filling spout:

Diameter 38cm, Height 50cm.

Standard dimensions of the discharge spout:

Diameter 35cm, Height 50cm.

Standard height of lifting loops: 30cm.

Other dimensions for filling and discharge spouts and the loops are available in accordance with the requirements of the user.

DAPHNE D-MAJOR

DAPHNE D-MAJOR has four lifting loops. Lifting loops are sewn to the wall of the walls of the FIBC, together with the folded wall material. This model looks like a bottle neck shape which allows handling of the FIBC from one or four loops.

SAFE WORKING LOAD (SWL)	SAFETY FACTOR (SF)
500 kg.	5:1, 6:1
1.000 kg.	5:1, 6:1
1.500 kg.	5:1



Daphne D-Major 1



Daphne D-Major 2



Daphne D-Major 3



Daphne D-Major 4

Relevant test standards

EFIBCA005	(SF 5:1)	Single trip
EFIBCA004	(SF 6:1)	Standard duty

DIMENSIONS

Standard dimensions of the discharge spout:
Diameter 35cm, Height 50cm.
Standard height of lifting loops: 30cm.

Other dimensions for the discharge spouts and the loops are available in accordance with the requirements of the user.



Daphne D-Major 5



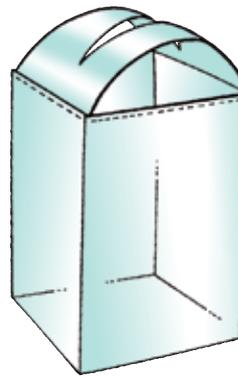
Daphne D-Major 6

DAPHNE D-ALTO

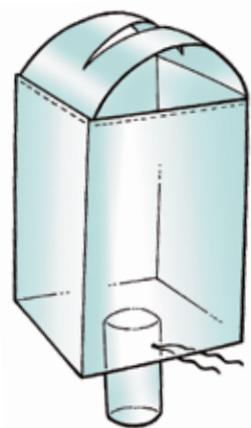


DAPHNE D-ALTO model FIBC's are designed to be lifted by means of the continuation of the wall fabric itself.

SAFE WORKING LOAD (SWL)	SAFETY FACTOR (SF)
500 kg.	5:1, 6:1
1.000 kg.	5:1, 6:1
1.500 kg.	5:1



Daphne D-Alto 1



Daphne D-Alto 2

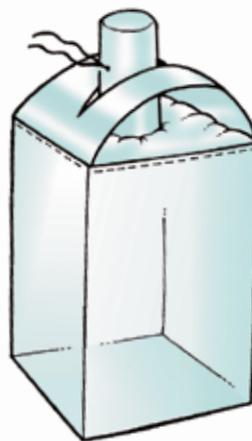
Relevant test standards

EFIBCA005	(SF 5:1)	Single trip
EFIBCA004	(SF 6:1)	Standard duty

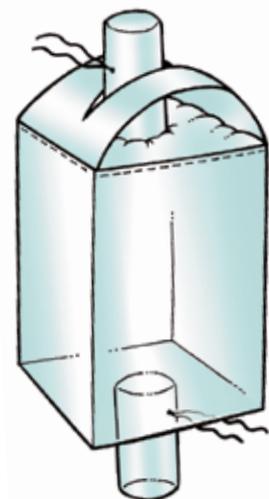
DIMENSIONS

Standard dimensions of the filling spout:
Diameter 38cm, Height 50cm.
Standard dimensions of the discharge spout:
Diameter 35cm, Height 50cm.
Standard height of lifting loops: 30cm.

Other dimensions for filling and discharge spouts and the loops are available in accordance with the requirements of the user.



Daphne D-Alto 3

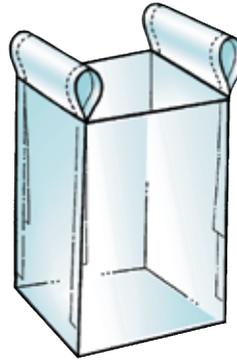


Daphne D-Alto 4

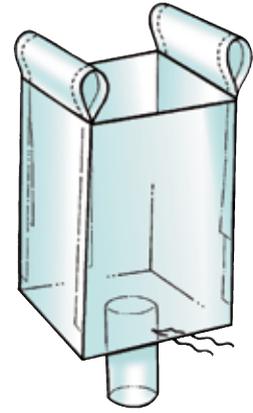
DAPHNE D-ASTA

DAPHNE D-ASTA has two tunnel-shaped lifting loops made from the continuation of the wall material and reinforced by narrow woven belts at each corner. This model allows to obtain very high strength FIBC's.

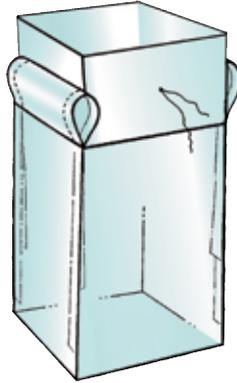
SAFE WORKING LOAD (SWL)	SAFETY FACTOR (SF)
500 kg.	5:1
1.000 kg.	5:1, 6:1, 8:1
1.500 kg.	5:1, 6:1
2000 kg.	5:1



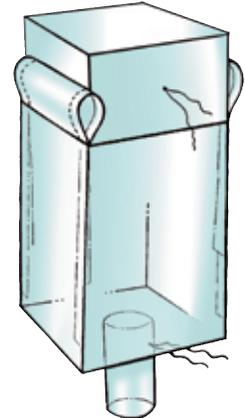
Daphne D-Asta 1



Daphne D-Asta 2



Daphne D-Asta 3



Daphne D-Asta 4

Relevant test standards

EFIBCA005	(SF 5:1)	Single trip
EFIBCA004	(SF 6:1)	Standard duty
EFIBCA003	(SF 8:1)	Heavy Duty

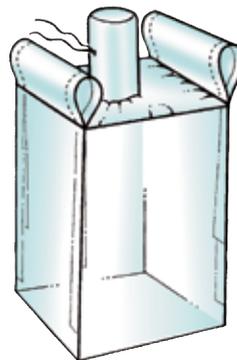
DIMENSIONS

Standard dimensions of the filling spout:
Diameter 38cm, Height 50cm.

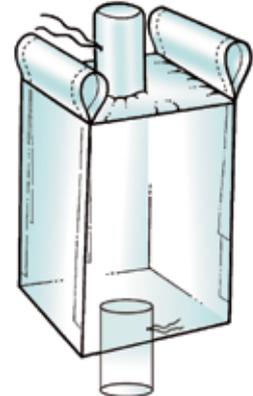
Standard dimensions of the discharge spout:
Diameter 35cm, Height 50cm.

Standard height of lifting loops: 30cm.

Other dimensions for filling and discharge spouts and the loops are available in accordance with the requirements of the user.



Daphne D-Asta 5



Daphne D-Asta 6

- Bulk materials may create static electricity on the bag wall during the filling and/or discharging process. This static electricity can produce sparks on the surface. If the bag is surrounded with flammable dust and/or gas during filling and/or discharging it may cause potential hazards like fire and explosion due to sparks born by static electricity.

- Conductive FIBC's are used to reduce the level of static electricity to a safe and non-hazardous level.

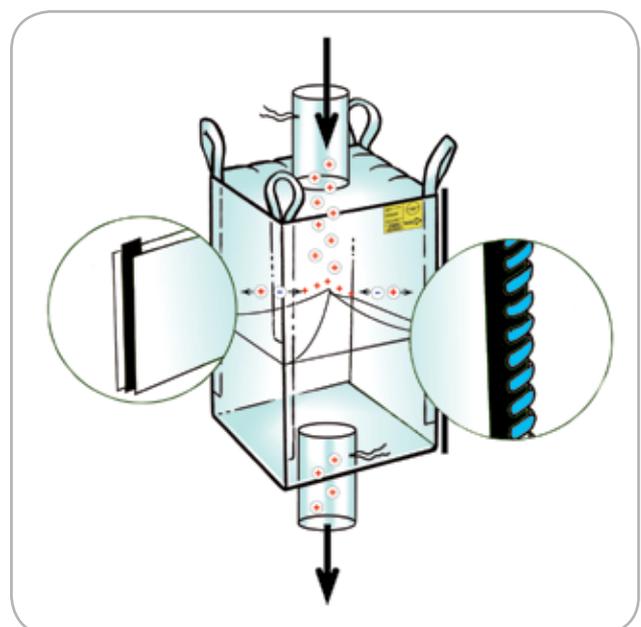
- The body fabric of Conductive FIBC's is woven with the addition of conductive threads. With this treatment surface resistivity decreases to 10^8 ohms.



Also in order to get continual resistivity during handling which is very important, a conductive band is sewn between all the bag seams to provide a conductive path for the static electricity to follow.

- There is a conductive tape which is provided along the length of one side seam. The connection of this tape to earth will eliminate the static electricity as it is produced during the filling and/or discharging process.

- The risk of danger during filling and/or emptying is safely avoided with Daphne Conductive featured FIBC's as long as grounding treatment is done properly.



OPTIONAL FEATURES



20 Discharge spout protected by a diagonal flap



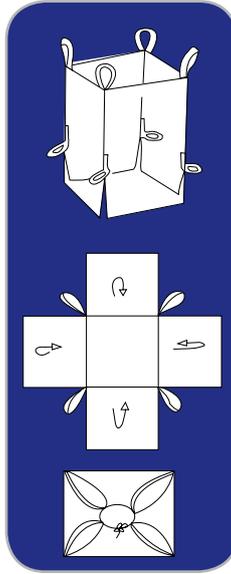
30 Discharge spout protected by a circular flap



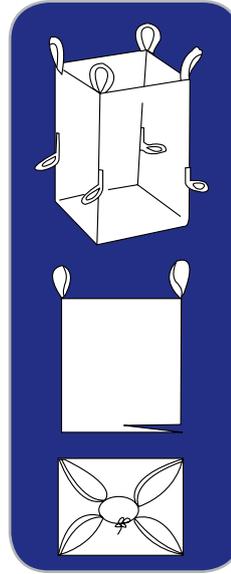
31 Quick Discharging Base



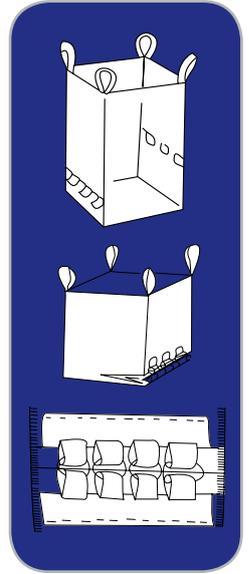
32 Discharging spout with additional protection base



33 Quick Discharging Base



34 Quick Discharging Base



35 Quick Discharging Base



40 Discharge spout is equipped by a locking device to obtain controlled discharge of the bag



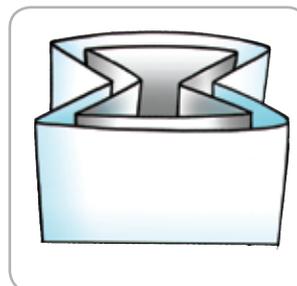
50 Printing on FIBC's up to three colors on each side



60 Document pocket



80 Inside coated and all seams dustproof



110 PE liner blown and folded together with the outer bag

OPTIONAL FEATURES



120 Cable tie clips instead of a tie string to close the liner



130 Extra circular loops sewn on each loop to allow lifting of four loops bags at one point



140 Loops unsewn at the top part of the FIBC, for limited lifting heights



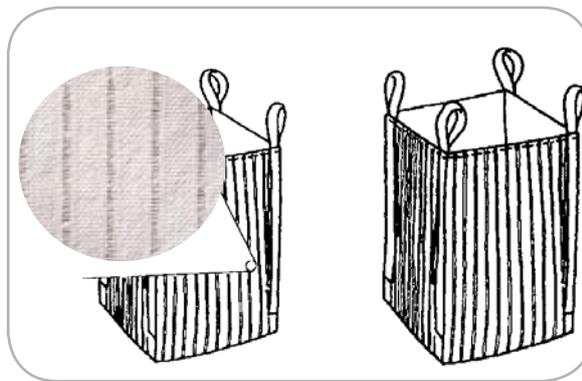
141 Double loop for different choice of lifting and storage



150 Colored fabric



170 Loops covered by heavy fabric for wear resistant protection



180 Transpirable fabric for some food, like potatoes

CLEAN ROOM

DAPHNE operates a CLEAN ROOM for the production of non-contaminated big bags. DAPHNE Clean Room production guarantees foreign particle free big bags for different industries. As DAPHNE has an integrated production starting from the extrusion, full control of the incoming material is also achieved.



There are strict procedures regarding the sewing, handling and controlling of the big bags in the Clean Room.



All the Clean Room production big bags are controlled on the illuminated tables.

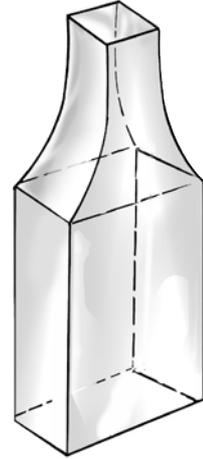
PE-LINER OPTIONS



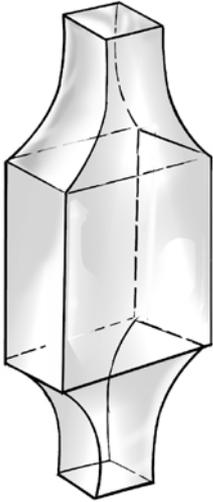
L1 Horizontal top
(Standard)



L2 Horizontal top
with gussets



L3 Bottle neck
shaped top



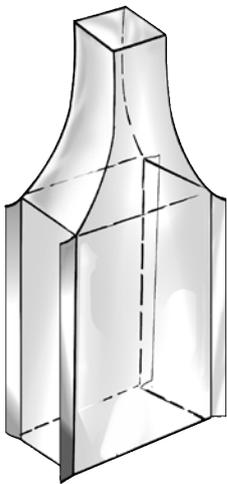
L4 Form
welded loose



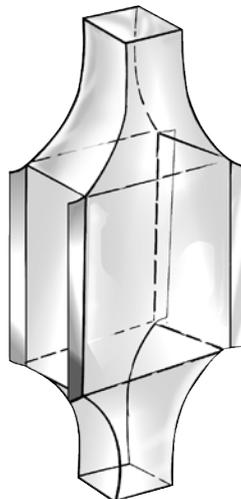
L5 Form welded and
stitched to outer bag



L6 diagonal
welded top



L7 Bottle neck shaped top
and stitched to outer bag



L8 Form welded and
stitched to outer bag



L9 Bottle neck with suspension for DAPHNE
D-MONO and D-DUAL models

PRODUCTION PLANT

SLING



SLING BAG



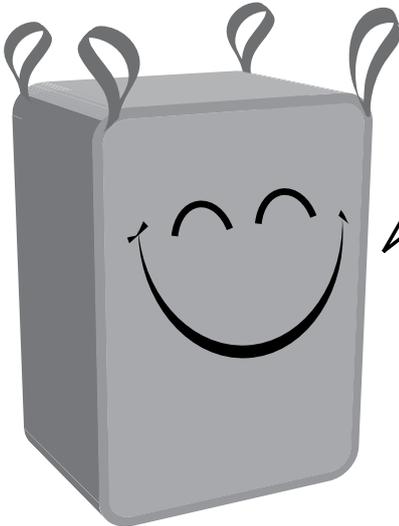
PACKING TWINES



HOW TO USE FIBC'S



- Select the right FIBC for the job in consultation with manufacturer and or supplier
- Read the instruction label on the FIBC
- Inspect a reusable FIBC before refilling
- Check that the discharge spout is closed before filling
- Ensure that the filled FIBC is stable
- Close the top inlet correctly
- Use lifting gear with sufficient capacity to take the suspended load
- Adjust the distance between the fork-lift arms to the correct width before the FIBC will be handled or moved
- Ensure that crane hooks, bars or fork-lift arms used for lifting are of adequate size, are rounded to at least the thickness of the sling, belt or rope suspension and with a minimum radius of 5 mm
- Take appropriate measures in regard to dust control
- Consider the possibility of static electric hazards
- Protect the FIBC's from rain and/or prolonged sunlight
- Ensure that FIBC's are adequately secured during transportation



DAPHNE DİŞ TİCARET VE YATIRIM A.Ş. Muallimhıyır Sıyaplı Sokakı Başkent Yolu No:8 Kat:50 41400 Başkent - Turkey Phone: +90 (242) 759 17 40 Fax: +90 (242) 759 17 39 web: www.daphne.info.tr	
S.W.L 500 Kg.	SAFETY FACTOR 5:1
TYPE OF FIBC	DUAL
TEST CERT. NO	IBC-06 125
TEST CERT. DATE	09/06
TEST HOUSE	BPI-BELGIUM
TEST STANDARD	EN 1898 - ISO 21898
FIBC CLASS	SINGLE TRIP
OTHER POLYMER 	
WARNING !	

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S.W.L 1000 Kg.	SAFETY FACTOR 5:1
TYPE OF FIBC	ULTRA
TEST CERT. NO	IBC-06 101
TEST CERT. DATE	09/06
TEST HOUSE	BPI-BELGIUM
TEST STANDARD	EN 1898 - ISO 21898
FIBC CLASS	SINGLE TRIP
OTHER POLYMER 	
WARNING !	

