



# PACKAGING



**SLING BAGS**



**BIG BAGS**



**AD STAR BAGS**

# SLING BAGS / SLINGS

- This product used in 99% of the cases for export. They have a working load of **1500 kg or 2000 kg** that allow at customer to move/send the pallets more time during the load and download.
- The size of basic (diagonal) could be 60x80 or 70x90 cm with a sewing fabric sheet above, always in polypropylene (110 gr / m<sup>2</sup>). The sheet contains and protects the bags. From the diagonal on the bottom start 4 lifting belts to which are applied the strings (with rings) for the closure.
- Technical information: **isotactic polypropylene treated anti UV** (high degree of breakup and low density). Certificates Labordata (Germany). Load 1500 kg or 2000 kg and SF 5: 1

# PICTURES: SLING BAGS / SLINGS



# CERTIFICATE: SLING BAGS / SLINGS

**LABORDATA®**  
International Materials Testing Institute

Member of ISO 9001:2008 Global Quality Association of Independent Packaging Laboratories  
Authorized Laboratory for Packagings and IBCs of Dangerous Goods, Authorized Third Party Inspectors

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**Test Certificate No. 8357.2/12-5** Date of test 24.5.2012  
Date of expiry 31.5.2015  
Number of pages 3 / 5

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**Test pieces** *Cargo Sling Bags for single trip use - SWL = 2000 kg, SF = 5:1*

**Design** **Manufacturer's type designation** PANDA 001  
**Dimensions** (120 cm x 130 cm) x 120 cm **Tare** 2040 g  
**Body fabric** Polypropylene 60 g/m<sup>2</sup> + 15 g/m<sup>2</sup> coating, white flat woven fabric layers without coloured characterization <sup>1)</sup>  
**Suspension** A white PP-webbing (58 mm wide, 53 g/m, total length 15,0 m) forming a closed loop (base 65 cm x 85 cm), 65 cm overlapping at the bottom (two diagonal webbings at the bottom)  
**Details** One vertical seam (chain sewing), four horizontal seams at the bottom (overlock sewings) / fabric folded in all the seams / top with flap / no inliner / no discharge spout

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**Kind of tests** *Cyclic top lift test plus final load to failure following ISO 21898*

**Test conditions** The test pieces have been loaded with small sacks, filled with PE-granules. Additional load application with piston and pressure plate (d = 120 cm), rate of load application 70 kN/min.

**Cyclic load and load to failure** **Test a** After 30 cycles of load application to P<sub>1</sub> = 30 kN (3060 kg) no visible damages occurred in the test piece. Then the load has been increased up to failure. When reaching a load of P<sub>2</sub> = 136,3 kN (13.880 kg) the cargo sling tore at the suspension frame.  
**Test b** After 30 cycles of load application to P<sub>1</sub> = 40 kN (4080 kg) no visible damages occurred in the test piece. Then the load has been increased up to failure. When reaching a load of P<sub>2</sub> = 130,5 kN (13.300 kg) the cargo sling tore at the suspension frame.


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**Test result** *A safe working load SWL = 2000 kg / SF = 5:1 is allowable.*

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**Notes** Test diagrams see on page 2. Photo of a test piece see on page 3.  
<sup>1)</sup> Raw material: Pure virgin polypropylene (statement of the manufacturer)  
A test piece is kept in our store for three years. This certificate expires on 31.5.2015.

**Competent Engineer** *J.O. Bahe*  
Jorg Bahe



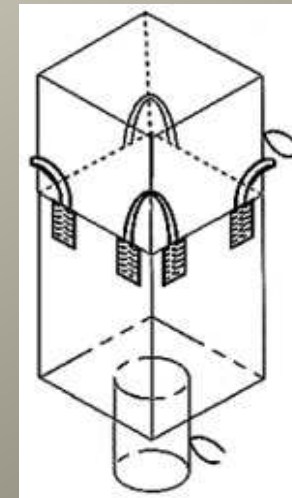
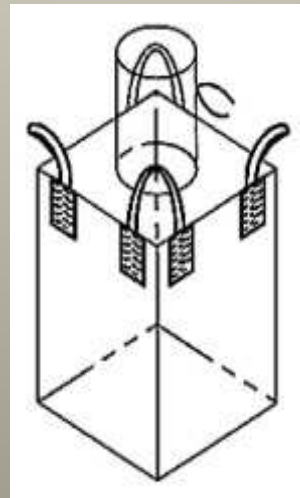
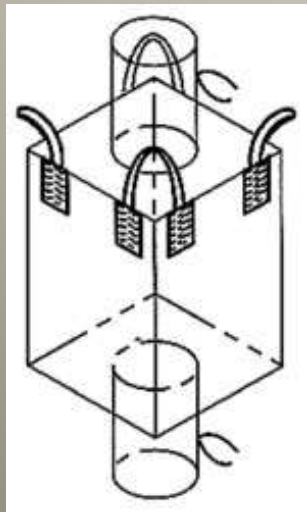
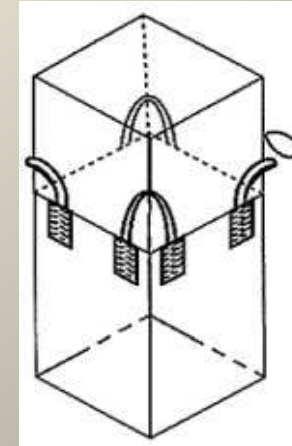
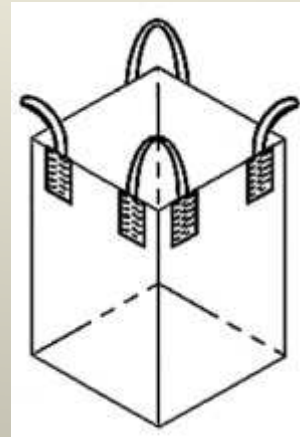
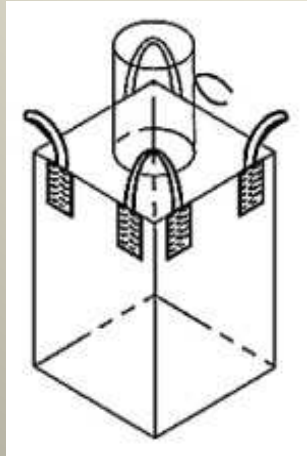
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# BIG BAGS

- The big bags can be of different sizes and models



# BIG BAGS

## Technical informations

Size	90x90h100 - 95x95h150/220 cm
Print	Up to 3 colors
Seams	Standard or dustproof
Fabric (virgin PP treated anti UV)	Normal or laminate
Working load	From 500 kg to 2000 kg
Safety factor	Sf 5:1 or sf 6:1
Internal liner	Sewn / glued or free or shaped

# AD STAR BAGS

The new horizon of export bags

- Virgin polypropylene fabric
- **Lightweight and ultra resistant**
- **Optimized breathability for the bagged product**
- The possibility of printing up to 4 colors
- Anti uv treatment
- Opening with open mouth or valve
- Square bottom
- Working load 25 – 50 kg
- **environmentally friendly**

# PICTURES: AD STAR BAGS





# CONTACTS

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