



## Packing & Marking Procedure for Material and Equipment

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## Packing & Marking Procedure for Material and Equipment

### Project Details



DTT S.c.a.r.l.

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### Abstract

*This document describes the procedure and prescriptions that the Supplier shall follow for design and execution of material and equipment packaging and marking.*

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## 1 Scope

This document describes the procedure and prescriptions that the Supplier shall follow for design and execution of material and equipment packaging and marking.

## 2 Reference Standards and Rules

The Supplier shall design and execute the packaging and marking of materials in compliance with both National and International best-known standards and rules.

At least the following standards shall be considered:

BS 1133-8	Packing Code Part 8: Guidance on wooden boxes, cases and crates
BS 3482	Methods of Test for Desiccants Used in Dynamic Dehumidification Equipment – AMD 1
BS 3177	Method for determining the permeability to water vapor of flexible sheet materials used for packaging
UNI 9151	Wood Packaging for content whose mass exceeds 300 kg
UNI CEI 1	Wood Reels for electric cables of energy, communication and transmission
UNI CEI 2	Wood Reels for electric cables of energy, communication and transmission
UNI CEI 3	Wood Reels for bare wire and cords
UNI EN ISO 780	Graphical symbols conventionally used for markings the packaging for loading and unloading, transport and storage
ISO 668	Regulates both external and internal dimensions of containers
ISO 3874	Series 1 freight containers - Handling and securing
MIL B-131 F Classe 1 (USA)	Requirements for heat-sealable, greaseproof, flexible barrier materials having low water vapor transmission characteristics
MIL D 3464 D (USA)	Specification for silica gel and clay desiccants
API SPEC 5L	Specification for Line Pipe

In particular, for packaging of toxic, flammable and/or dangerous substances, the Supplier shall also observe the requirements of the following Organizations:

IMO	International Maritime Dangerous Goods Code
IATA	Technical Instructions for the Safe transportation of Dangerous Goods
RID	Regulations concerning the International Carriage of Dangerous Goods by road
ADR	European Agreement concerning the International Carriage of Dangerous Goods by road
ISPM-15FAO	International Rule on tree-health measurements (HT treatment) for all packages

Moreover, the Supplier shall design the packaging so that stresses due to the various transport operations do not exceed allowable stresses established in the specific rules indicated in the order, or do not cause permanent deformation or other damages that might negatively affect the material performances or require repair interventions.



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### 2.1 Packages Dimension

When designing the packages, the Supplier shall manage to be within the limits of maximum obstruction for road and rail transport not to resort to exceptional transport.

### 2.2 Protection of Materials with processed surfaces subject to rust and corrosion

Except for particular requests, the Supplier shall protect the product sensitive to corrosion. Once manufacture has been completed, the product shall be protected with a suitable procedure to preserve it from corrosion, in order to avoid an irreversible oxidation process.

The indications and instructions related to employed protections, care of Supplier, shall highlight the following information:

- Expiration of the terms of protection
- Removal of the methods of protection

Such information shall be written on:

- Tags applied to protected material
- Maintenance manual

### 2.3 Shipping Procedures

Minimum 30 days before delivery, the Supplier shall communicate to DTT Technical Officer (DEC or to a delegated person) the dimensions and weight of each package taking in consideration the maximum dimensions as follows:

#### 2.3.1 Containers

According to Standard ISO 668.  
According to Standard ISO 3874.

#### 2.3.2 Articulated Lorries

ITALY: according to Italian Highway Code.  
ABROAD: according to the Highway Code of the country.

#### 2.3.3 Railroad

ITALY: according to Trenitalia Cargo regulations.  
ABROAD: according to railroad laws of the country.

Minimum 7 days before delivery, the Supplier shall communicate to DTT the final and binding date of the shipping.



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### 2.4 Packaging Standards

The packaging standards that can be adopted are the followings:

- Material in Bundles
- Wooden Boxes
- Cages
- Platforms (Pallets)
- Rolls for Reels
- Cardboard Boxes
- Drums
- Sacks
- Loose Piece

(See Attachment 1)

#### 2.4.1 Choice of packaging standards

Depending on the complexity of material, equipment, panel, etc., the Supplier shall communicate to DTT the possible partition of supply in multiple packages as well as which and how many standards he means to provide.

DTT once approved, will communicate to Supplier.

#### 2.4.2 Characteristics of material used to make packages

##### 2.4.2.1 Polyethylene sheets:

The use of polyethylene is forbidden in the fabrication of closed cases unless when expressly required. It can be used only for rain covers as long as settled in order to stand sunlight and heat, with a minimum thickness from 0,8 to 10 mm.

##### 2.4.2.2 Grip tapes:

They must resist to bad weather, sunlight and heat.

##### 2.4.2.3 Wire ropes:

Comply with standard EN 12385; moreover, ropes and related postage clips must be in galvanized steel.

##### 2.4.2.4 Material for filling gaps:

Material in self-extinguishing inert and not hygroscopic expanded polystyrene.

##### 2.4.2.5 Staples and nails:

Comply with standard UNI 9151; moreover, staples and nails shall be treated against corrosion (copper or other similar treatment).



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### 2.4.2.6 Straps:

Metallic straps for heavy packages.

Plastic, polypropylene and thermo welding straps for lighter packages.

### 2.4.2.7 Steel brackets:

Comply with standard UNI 9151.

### 2.4.2.8 Steel plates and angles:

Comply with standard UNI 9151.

### 2.4.2.9 Bolts and rods:

Comply with standard UNI 9151; moreover, they must be in galvanized steel.

### 2.4.2.10 Timber:

Comply with standard UNI 9151.

### 2.4.2.11 Plywood:

Comply with standard UNI 9151; moreover, the employment of used plywood is forbidden.

### 2.4.2.12 Marking of containers:

Comply with standard UNI EN ISO 780.

## 3 Prescription for Toxic and Dangerous Substances

As far as toxic and dangerous substances concern, the Supplier shall refer to International requirements regulating the matter (see chapter #2 tab.2)

## 4 Responsibilities

These instructions provide a general set of rules constituting the minimum requirements that the Supplier must observe.

Whenever the Supplier should find more restrictive requirements, imposed by special rules, then these must be respected.

DTT at purchase order issuance shall communicate to supplier the references of the Contract manager and its staff.

The Supplier is responsible for highlighting to DTT Technical Officer (DEC), upon purchase order, possible modifications and/or improvement measures.





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The Supplier is responsible for design and manufacturing of packages as well as performing all the checks prior shipment. Such checks must be executed to ensure a correct and suitable execution of provided packages, marking and correct protection of delivered materials.

The Supplier shall submit to DTT approval the drawings showing the characteristics of expected packaging: DTT has 15 solar days to examine and approve them.

After that period without comments or communications, the Supplier is authorized to proceed according to his proposals.

Regardless of DTT comments on design of packaging, the Supplier is always responsible for their correct execution and conformity.

The Supplier is responsible for any burden caused by non-compliance with these instructions and rules, such as material loss or damage due to lack of packaging, stops, etc.

Damages that should not be recognized by the Insurance Company due to packaging defaults are, as per Company compensation, charged to Supplier.

The protections of materials shall be selected by Supplier who will be responsible for the type used and will have to answer for possible damages that might derive from material to be protected because of:

- Insufficient protection from corrosion
- Improper use of protective substance on materials whose functioning would be damaged.

When requested and clearly indicated in the Management Specification (refer to contract agreement), the Supplier shall include in each package any stress sensor and provision to effectively monitor and verify that the package itself and anything included is substantially sound.

## 5 Packing Type

### 5.1 Ordinary Packing

They are intended to be those domestic packaging employed if:

- Materials can be damaged because of shocks or transshipments and requires suitable protective packaging made of cardboard boxes, or wooden cases or cages of light wood
- Means of transport: truck or train
- Number of transshipments: limited
- Length of storage at destination: up to 6 months
- Type of storage: covered if necessary
- Duration of possible dehydrating salts: at least 8 months.

### 5.2 Special Packing

They are intended to be oversea packaging and special oversea packaging employed according to the following requirements:



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### 5.2.1 Oversea Packing

The material must be transported to distant foreign lands and can be damaged because of shocks and transshipments and requires suitable protective packaging able to stand overseas journeys. It shall be made of wooden cases or wooden/iron cages with characteristics of strength higher than those of domestic use:

- Means of transport: ship besides truck or train
- Number of transshipments: high and burdensome
- Length of storage at destination: greater than 6 months
- Type of storage: bare
- Climate: very hard
- Possible "Barrier Sack"
- Duration of possible dehydrating salts: minimum 12 months.

### 5.2.2 Special Oversea Packing

Same criteria of overseas packing are adopted with exception of:

- The duration of possible dehydrating salts is minimum 18 months since the storage is longer than that overseas
- The storage at destination requires special care depending on the type of warm-humid tropical climate (average 40°C - humidity 92% - forests e savannas) or hot-dry tropical climate (average 55°C - humidity below 20% - deserts and steppes)
- For warm-humid climates, antiseptic and anti-mold protections should be adopted according to international standard FAO-ISPM 15:2000
- For hot-dry climates, protections against high temperatures and sunstrokes should be adopted such as filling in cages with non-conducting substances and protections against the infiltration of dust or sand containing salts (barrier sacks containing dehydrating salts and partial empty).

Climatic factor (f) – climatic ratio between the average contents of water vapor of the Climatic Area considered and the initial one taken in consideration.

Area 1 - Continental European and Subarctic, as a rule ( $f = 1,0$ )

Area 2 - Subtropical maritime, as a rule ( $f = 1,5$ )

Area 3 - Tropical ( $f = 2,0$ )

Area 4 – Equatorial with constant rainfall, as a rule ( $f = 2,5$ ).

The sacks with dehydrating salt to be used shall comply with standards:

- NF H 00-321 (French)
- US MIL D 3464 E (U.S.A.)
- EINHEITEN DIN 55473 (German)

## 5.3 Bulk Material

In this category are intended those moderate packaging applicable to equipment such as:

- Equipment or pressure vessels, heat exchangers, tanks, silos, prefabricated structures, plates, packages plants, etc.

For such type of material, it is necessary to protect all protruding parts, all flanged and non-flanged connections, any mechanical, electrical, pre-mounted instrumentation parts that cannot be shipped separately.



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In particular for nozzles, manholes and similar, protection is required with appropriate blind flanges.

If necessary, the Supplier shall provide suitable shaped saddles to be fixed to the piece (wood or steel) whose size is proportionate to weights to be supported and of a possible minimum height.  
All measures will be used in order to avoid any deformations of the material to be shipped.

### 5.4 Unpacked Material

In this category are intended those materials for which no packaging is required such as: pipes (except for stainless steel or special alloys ones), fittings and valves of large diameter (if the package is not expressly requested), not prefabricated structures, drums, plates, prefabricated ferrules, etc.

For such materials it is necessary to homogenize the shipment in bunches, groups or packs tied with steel bands, wood or steel spacers appropriately sized and spaced.

In detail:

- The bundles of pipes shall be protected at the extremities with gunny cloth or heavy plastic; each bundle should weight nearly 2/4 t.
- Valves and fittings must have protection at the extremities, either welded, flanged or threaded
- The extremities of blunted metal sheets must be properly protected
- For drums where palletizing is not possible, it is necessary to fix anchors or eyebolts or other devices suitable for lifting

### 5.5 Skidded Material

In this category are intended the plants mounted on slide:

- This material requires an external brush of the slide.
- A special protection will be applied to delicate parts adjacent to walls.
- Delicate parts that are easy to be remounted will be disassembled and packed apart in boxes.
- The joints of non-solid parts (e.g. pump motor) will be appropriately reinforced.

For packaging modalities see Attachment 2.

### 5.6 Packing for Air Transport

The selection criteria are: urgency of the shipment, impossibility to use other means of transport.

The packaging must comply with IATA prescriptions

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## 6 External and Internal Marks

The Supplier shall ensure the application of external and internal packaging markings, accompanied by all required marks.

### 6.1 Particular Marking

The Supplier shall provide for their application in function of particular necessities.

Such marks may be for example: triangle, circle, etc. including Company initials, Job Number, destination, etc.

They will be specified by DTT in the order or in related specification.

### 6.2 Marking of Containers

Graphic marking of containers is regulated by standard UNI EN ISO 780.

Besides this standard there are laws concerning:

- Dangerous goods,
- Products for structural use "CE",
- FAO ISPM 15



### 6.3 External Marking on Each Package

Comply with standard UNI 9151.

### 6.4 External Marking on Small Packages, Loose Pieces, Bundles, Sacks and Reels

Comply with standard UNI 9151.

### 6.5 Contents of External Marking

Comply with standard UNI 9151.



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### 6.6 Internal Marking

When multiple material are gathered together into a box or a cage but are individually packed in boxes, packages, etc., they must be suitably marked indicating:

- item or order position
- item of the main belonging equipment

## 7 Instructions for Handling

The packaging of goods shall be designed and fabricated so as to allow an easy handling during all steps of transport, from ex-factory to final destination.

Comply with standard UNI 9151, moreover:

### **Big boxes and wooden cages**

Boxes and wooden cages of large dimensions that do not allow lifting hook shall be provided with splinter-bar properly dimensioned.

### **Big loose pieces**

Loose pieces of large dimensions shall have lifting lugs suitably dimensioned and positioned so as to allow balanced lifting respect to its center of gravity.

### **Transport of line pipe**

The stacking on truck can be made for loading units, formed by a number of pipes such that the weight does not exceed 24 tons and the height 4 m.

For the transportation of line pipes by barge or ship: comply with standard API SPEC 5L.

For the transportation of line pipes by rail: comply with standard API SPEC 5L.

## 8 Language, Unit of Measurement, Coloring

The documentation shall be written by Supplier in the official languages Italian and English.

Markings shall be executed by Supplier in Italian and English (for any other language it must be agreed with DTT).

The units of measurement in documents and markings must be expressed according to Plant Integration Document (PID) PBC.GEN.00001\_3.0 "List of Physical Quantities and Units".

Particular coloring of symbols or writings shall be confirmed by DTT through the issue of specific annexes.



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## 9 Inspection Before Shipment

### 9.1 Inspection by Company

The packaging of the ready-for-shipment components shall be inspected at the manufacturer premises to verify the respect of the requirements for transport.

The inspection shall consist in a visual verification of the packaging and in a review of the formal and technical documentation for transport.

The inspection and documentation verification shall be performed at the presence of representatives of the Supplier and DTT. An official note of the inspection shall be prepared and approved by the present representatives.

DTT reserves the right to have inspections conducted by:

- its personnel
- Testing organization in charge of carrying out the inspection on behalf of DTT

### 9.2 Inspectors Duties

The Inspectors shall ensure that shipment material as well as related packaging, marking and documents are in conformity with requirements.

They have the faculty to require a Supplier possible reconditioning of packages due to lacks or defects that Supplier shall be required to carry out at his expense.

### 9.3 Company Reserves

The acceptance by the Inspector does not relieve the supplier/packer from his responsibilities.

DTT reserves the right to inspect the content of the packages at destination: in case of non- conformity with the quantities declared in the "packing list", DTT will written inform the Supplier, who shall provide for their reintegration of missing supply at his expense.

### 9.4 Custom Inspection

The Supplier shall properly find an agreement with DTT so that the inspection takes place at packaging still open.



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## 10 Shipping Documentation

The shipping documents that the Supplier shall fill in must comply with laws in force in Countries where goods are destined, where they pass as well as documents prescribed in this specification.

Documents related to dangerous goods must be codified and follow related rules in force.

### 10.1 Packing List

This is the main document that the Supplier must fill in, useful during shipment of goods.

It must clearly contain the following data:

- The reference to related invoice (number, date, Company name and order number).
- The amount and type of packages, their marking and numbering, measurements, volume and weight, both detailed and total for each single package.

The packing list constitutes integrant part of the invoice.

It is useful to apply additional copy of the packing list outside and inside each package so to facilitate the operators of the various involved stores.

### 10.2 Content List of each Package

Comply with Standard UNI 9151.

Mentioned copies shall be sent in 2 phases as follows:

- a) Preliminary draft to be sent two months before the shipment (only those for the Company) highlighting:
  - Exceptional or oversized packages,
  - Packages requiring splinter-bar for lifting.
- b) in final form after authorization to shipment issued by DTT (all of them).

## 11 Content of External Marking

### General Data

Follow the Standard UNI 9151, moreover it is necessary to highlight:

- W of the package (expressed as a fraction)
- Numerator: number of packages
- Denominator: total number of packages

### Shelter at destination

The Supplier shall define, in accordance with DTT, the destination shelter expected for supplied materials specifying:

"A" – if it is indoor

"B" – if it is under roof

"C" – if it is open-air

"D" – if it requires ventilation and/or air conditioning.

### Warnings and precautions

Comply with Standard UNI 6720.



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## 12 Attachments

### 12.1 Attachment 1 – Packing Standards

#### 12.1.1 Material in Bundles

##### TYING:

- In relation to the bundle weight, the bindings will be done in stainless steel straps or iron U double section-bars tightening the bundles with 2 tie-rods.
- Maximum distance between two bindings: 3 m, in symmetry to the bundle.

##### BUNDLE WEIGHT:

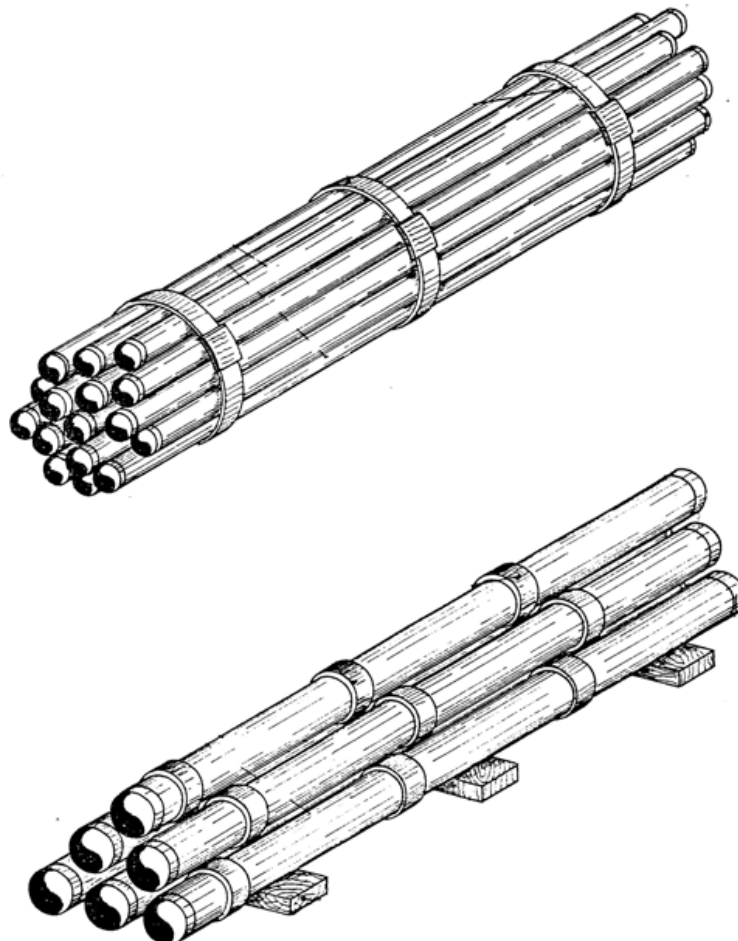
- Maximum 3000 Kg

##### BUNDLE PROTECTIONS:

- They will be made at the extremities and between a workpiece and another constituting the bundle.

##### DOMESTIC PACKAGING, OVERSEA, SPECIAL OVERSEA:

- There are no particular differences unless a major care of protections for normal and special oversea protections.







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### 12.1.2 Wooden Boxes

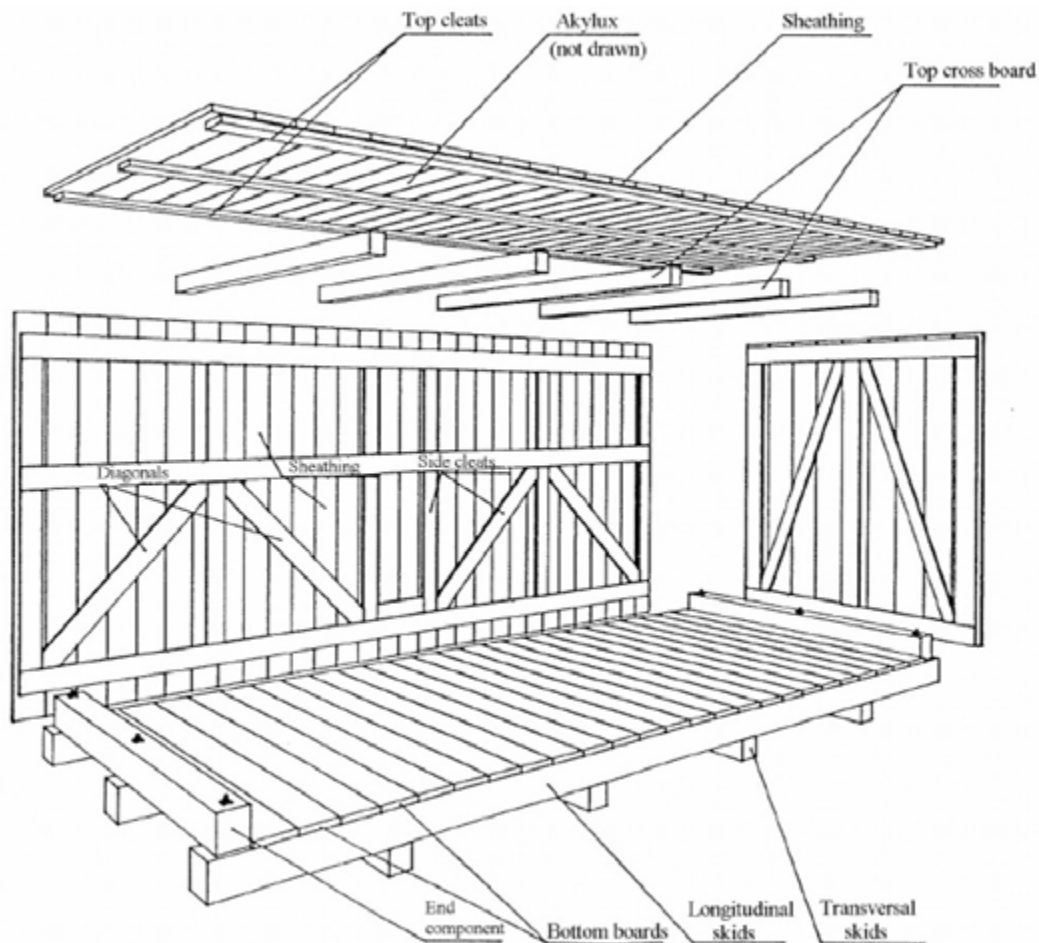
Comply with Standard UNI 915, moreover:

For boxes whose packaging is domestic:

- Joints on lateral boards and cover simply placed side by side.
- Possible dehydrating salts together with material, lasting 6 months.

For boxes whose packaging is special oversea:

- Joints on boards with male/female groove or by means of pawl or small flap.
- It is necessary to apply a few drill holes of 10 mm diameter on the bundle, obliquely upwards from outside to inside.
- Internal coating, excluding the bottom, with highly waterproof tar paper resistant to extreme temperature.
- Cover internally coated with a polyethylene waterproof sheet externally folded.
- The material shall be closed into appropriate cases or in double barrier with salts (12 or 18 months duration).





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### 12.1.3 Cages

Comply with Standard UNI 915, moreover metallic cages must be agreed with DTT time by time.





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### 12.1.4 Platform (Pallets)

Comply with Standard UNI ISO/TS 8611-2 and UNI ISO/TS 8611-3.

### 12.1.5 Roller for Reels

Comply with Standard UNI CEI 1-2-3, moreover:

#### DOMESTIC PACKAGING

- Closure made with wooden staves nailed to roller flanges.

#### OVERSEA OR SPECIAL OVERSEA PACKAGING

- Closure made with wooden staves nailed to roller flanges.
- Reinforcements to be performed:

Rollers within 1,5 m diameter: with wooden beams minimum 80 x 80 mm put under the staves at a distance of 500 mm between them.

Rollers over 1,5 m diameter: with tie-rods bolted to flanges.

- Under the staves it is necessary to put a tar paper sheet as well as a polyethylene one.
- The final fixing of the slats must be executed with two laps of strap around the roller circumference.





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### 12.1.6 Cardboard Boxes

Comply with Standard BSI BS 1133 – 7.6-8; moreover:

- Fillers with polystyrene or expanded polyurethane.
- Crossbars or platforms are to be applied when:
  - The weight exceeds 50 Kg
  - Dimension exceed mm 700 x 700 x 800 h

#### FOR DOMESTIC PACKAGING:

- Waxed cardboard box
- Minimum thickness of 3 mm
- Box closure:
  - Lateral and bottom with staples.
  - Cover with high resistance adhesive tape (retractable plastic film).
  - Final fixing with metallic or synthetic strap.
- Reinforcement corners in correspondence with the strap.

#### FOR DOMESTIC, OVERSEA AND SPECIAL OVERSEA PACKAGINGS

##### 1° TYPE:

- Tarred cardboard box
- Minimum thickness of 3 mm
- Box closure:
  - Lateral and bottom with metal studs
  - Cover with high resistance adhesive tape (retractable plastic film)
  - Final fixing with metallic or synthetic strap
- Reinforcement corners in correspondence with the strap.

#### MULTI-LAYER CARDBOARD BOX

##### 2° TYPE:

- It allows packing of materials weighing up to 300/400 Kg.
- Minimum thickness of 14 mm.
- Box closure:
  - Lateral and bottom with metal studs
  - Cover with high resistance adhesive tape (retractable plastic film)
  - Final fixing with metallic or synthetic strap
- Reinforcement corners in correspondence with the strap



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### 12.1.7 Drums

Comply with Standard DSI BS 1133 – 10.2; moreover:

#### DOMESTIC PACKAGE

- Drums up to 100 L will be stacked and fixed to platforms by means of steel straps.
- Glass cases will be packed in wicker and/or PVC baskets properly padded and fixed on platforms by means of steel straps.
- Drums over 100 L will be shipped unpacked.

#### OVERSEA PACKAGING

- Drums up to 100 L will be packed in wooden cages.
- Glass cases will be packed in wooden boxes properly padded.
- Drums over 100 L will be shipped unpacked.

#### SPECIAL OVERSEA PACKAGING

- Drums up to 100 L will be packed in wooden cages.
- Glass cases will be packed in wooden boxes properly padded.
- Drums over 100 L will be shipped unpacked.

### 12.1.8 Sacks

Comply with Standard DSI BS 1133 - 7.6; moreover:

- Sacks are loaded on pallets and crossed each other
- Global coverage with retractable polyethylene or final fixing straps.

#### OVERSEA PACKAGING

- Sacks are loaded into cages.

#### SPECIAL OVERSEA PACKAGING

- Sacks are loaded into boxes.



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### 12.1.9 Loose Piece

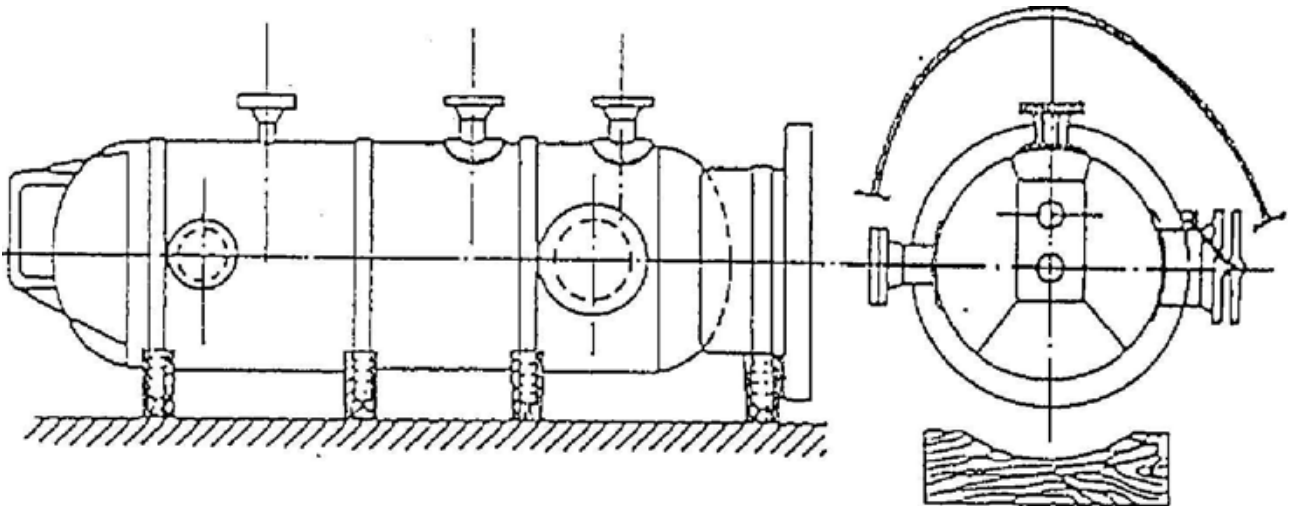
The Supplier, if necessary, will provide suitable shaped seats to be fixed to the piece, in wood or steel, and shall specify the type in the offer that DTT will confirm in the order.

The Supplier shall verify the stresses to which the packaging will be subject during transportation and shall size it accordingly.

The seats sizing and fixing will be proportionate to the weight to be supported and their height will be as minimum as possible.

For weights over 40000 Kg the seats shall allow the movement with hydraulic self-lifting trucks.

The Supplier shall ensure that no piece deformation may occur, that the nozzles are properly closed, that harnesses are balanced, etc.







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### 12.2 Attachment 2 – Skidded Material

#### 12.2.1 General

In this category are intended materials installed on metallic slides.

The skid dimension shall take account of national regulations for transport (see 2.3.1 and 2.3.2) in order to avoid overweight load.

Since the skid has self-carrying function, the packaging will only have protection purpose.

On the four corners, bolted uprights are needed to facilitate the paneling.

Lifting pad eyes will be provided within the slide perimeter.

The characteristics of lateral and higher packaging shall take account of standard UNI 9151 regarding cages.

For characteristics related to wood, refer to Standard UNI 9151.

The material inside cages shall be protected from rain through a polythene additive sheet against UV and set in accordance with Standard UNI 9151 point 9.2.2.1.

#### 12.2.2 Skid Internal Component

Materials on skid limit edge.

- Flanged Pipes emerging near the slide perimeter.

If the thread of the flange is not aligned with the bundle of the cage it is necessary to protect it both vertically and horizontally with a Masonite panel of 3 cm thickness.

If the thread of the flange is aligned with the bundle of the cage what is sufficient to create in the area to be protected is not a cage but a unique wall formed by the beams of the bundle placed side by side.

- Electrical or Instrumental panels, instruments-carry racks and Junction boxes shall be protected by covering them with Masonite panels. Electric panels shall be coated by polythene sheath sealed at the base and containing a dehydrating such as silica gel.
- Valves, instruments and condensate drains shall be protected with Masonite panel.

The disassembled instruments placed near the perimeter facilitating the reassembly shall be put into a box, which will be inserted and fixed within the Skid.

#### 12.2.3 Material within Skid

Combinations of pump engine, motorized, activated and safety valves, as well as series of Junction Boxes shall be protected with heat-shrinking polythene.

#### 12.2.4 Vessels

They do not require particular protections in case there are instruments at the top, see what already mentioned as regards materials at the Skid limit edge; threaded connections or symbols need to be protected with polythene caps.

The Supplier, during preliminary phase, shall submit to testing office his theory of packaging, receive approval/comments, then proceed.

The approval from testing office does not relieve the Supplier from his objective responsibilities.

The testing office will request the Supplier to execute a final photo session of the packaging in which the adopted solution is highlighted on the four sides of the Skid.



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### 12.3 Attachment 3 – Cases in Coupled Barrier

#### 12.3.1 Use

For all material subject to deterioration due to moisture.

#### 12.3.2 Material cases

Thermoweld according to Standards "USA MIL 8-131 F CLASS 1 (or equivalent) (aluminum and double layer polyethylene).

#### 12.3.3 Dehydration

With dehydrating salts according to Standard MIL D-3464 D (or equivalent), internally inserted into the case.

- In such quantity as to keep relative humidity below 35% for one of the following minimum duration to be agreed with DTT:

- For 8 months
- For 12 months
- For 18 months

- The approximate supply of salt quantity necessary for 1 year is calculated as follows:  
 $1/2 \text{ unit} \times \text{mq package surface}$

#### 12.3.4 Empty

With a suction pump a partial empty space is created inside (air reduction of the 70-80%).

- Heat resealing of the air intake port.
- In correspondence of the holes made in the container (for the fixing of protected material to platforms, boxes or cages) synthetic rubber gaskets shall be put to ensure tightness.

#### 12.3.5 Inspection Window

To be put at the upper part of the case.

- Dimensions 200 x 200 mm.
- Clamp with transparent PVC of 2/10 mm thickness and welded to the container, integrated with additives as a protection from bad weather.

Purpose of the window is to allow:

- Customer inspection without tearing the case.
- A visual check of the internal moisture through the introduction, in its correspondence, of litmus indicators (light blue/pink).





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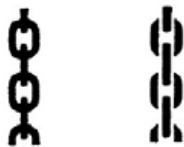



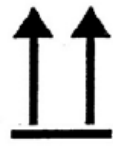










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### 12.4 Attachment 4 – International Symbols for Packages

The table below shows the symbols most commonly used for marking boxes

#### INTERNATIONAL MARKS

	KEEP DRY		SLING HERE
	KEEP AWAY FROM HEAT		FRAGILE HANDLE WITH CARE
	USE NO HOOKS		THIS WAY UP
	CENTRE OF GRAVITY		NO HAND TRUCK HERE
	CLAMP HERE		DO NOT DESTROY BARRIER
	STACKING LIMITATION		ELECTROSTATIC SENSITIVE DEVICE
	TEAR OFF HERE		TEMPERATURE LIMITATION
	PROTECT FROM HEAT AND RADIOACTIVE SOURCES		DO NOT USE FORK LIFT TRUCK HERE