| DELIVERY AND IMPLEMENTATION SPECIFICATION <br> LAVL0200.0.2/2 | DED | PERI GmbH <br> 89264 Weißenhorn <br> Tel. 07309/950-0 |
| :---: | :---: | :---: |
| GENERAL PACKAGING REGULATION FOR PURCHASED PARTS | Created on: By: | $\begin{aligned} & \text { 2019-06-26 } \\ & \text { Annemarie Sailer } \end{aligned}$ |
|  | Replacement for: |  |
|  | Released on: | 2019-06-26 |
|  | By : | Annemarie Sailer |
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## 1. General regulations

1.1 In case of non-conformance with the delivery and implementation regulations, we reserve the right to return the entire delivery or to pass on all additional costs incurred by us.
1.2 If the order contains additional or different specifications to those listed in these delivery and implementation regulations, these specifications in the order shall be given priority.
The PERI Procurement Department shall be contacted in case of ambiguities.
1.3 In case of ambiguities regarding the delivery and implementation regulations, in particular if detailed packaging or stacking plans are required, the PERI Procurement Department shall be contacted.
1.4 The delivery shall take place in transport containers (packages) sorted by items. When the delivery includes several load carriers, 1 mixed pallet is permitted. The items shall be clearly divided from each other by an intermediate layer.
In addition, the different items shall be stacked in accordance with the respective weights (see diagram). A "mixed pallet" label shall be attached to the load carrier.

1.5 Each packaging unit shall be clearly labelled using two goods tags, offset at $90^{\circ}$ (on a long side as well as on the facing side on the left) (see diagram of top view).


The following information shall be attached to the goods tags (unless otherwise agreed):
PERI item number, quantity, PERI item designation and PERI order number.
1.6 Material-specific packaging instructions provided in order texts or customised packaging guidelines shall be adhered to. Non-conformance constitutes grounds for complaint, up to and including refusal of acceptance.

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1.7 If packaging quantities are specified, a maximum of one partially filled transport unit is permitted per delivery, depending on the order quantity.
1.8 It is mandatory that the delivery note contains the following information:

PERI item number, PERI item designation and PERI order number.
1.9 Notification for the following material types via Transporeon:

Raw sections of steel and aluminium, sawn timber and multi-skin sheets.
When Transporeon is used, the Transporeon transport number shall be specified when registering at the gate. If a time slot has not been booked for incoming goods, the delivery note shall be handed over at the gate.
1.10 It is mandatory that PPE basic equipment is worn during registration. Wearing a safety vest as well as class 2 safety shoes is required in accordance with factory regulations.
1.11 It shall be ensured that lorries can be unloaded from the side using a forklift. Unloading from the rear is not possible. Container deliveries are exempt from this! For steel and aluminium deliveries, open top delivery shall be ensured.
1.12 In order to kill any pests, as well as to avoid the spread of foreign organisms, all wood used for packaging (= raw wood) shall be treated in accordance with IPPC standard / ISPM 15 and labelled accordingly.
1.13 The transport units shall be suitable for standard transport by lorry. They are always unloaded using forklifts. The transport units shall be adapted accordingly.
1.14 The maximum weight per transport unit is $1,500 \mathrm{~kg}$ (gross weight incl. container).
1.15 If small parts are delivered in pallet cages, items may not protrude through or above the cage.

Where applicable, additional lining material (e.g. solid cardboard or Akylux) shall be used for this purpose.
1.16 If items are stacked on pallets, it shall be ensured that they are stacked and secured to prevent accidents. The straps used shall always be corrosion-free (galvanised steel straps or plastic straps).
1.17 Where parts are stacked, it must be ensured that a maximum stacking height of 970 mm is not exceeded.
1.18 In general, it must be ensured that the stackability of stackable containers (pallet cages, posts, pallets etc.) is not adversely affected by the parts stacked in them.
1.19 Goods delivery for raw or untreated parts shall be carried out so they are protected from rain and splashing water. For this reason, covered transport vehicles shall be used.
1.20 Delivery shall take place without any supplier information.
1.21 The parts will be welded (see DIN EN 1090) and powder-coated or galvanised at a later stage. The surfaces shall therefore be dry and free of paint, oxide and oil. In addition, there shall not be any adhering dirt, machining residues, chips or other contamination on the surface.
The oils and greases used during manufacture shall be water-soluble.

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## 2. Packaging specifications

### 2.1 Types of packaging

The format and packaging shall be coordinated with PERI as part of the initial sampling process.
In general, a distinction is made between 6 types of packaging. Adherence to these is mandatory.
2.1.1 Standard load carriers for all purchased parts

PERI pallet cage


Bundle


PERI post pallet


SLCs on euro pallet


IPPC euro pallet


PERI small parts box


Only solid wood square timbers with a height of 11 cm and a minimum width of 8 cm are permitted.

These load carriers shall be used for

- All lorry deliveries within Europe.
- Components made of steel, wood, plastic or with other coatings.
- Purchased parts which are not mentioned under Points 2.1.2 or 2.1.3.



### 2.1.2 Special packaging for purchased parts made of aluminium



This format (including cardboard insert) shall be used exclusively for uncoated aluminium components, when delivered by lorry.

If a partial removal of components takes place, it shall be ensured that the remaining parts can be fully resealed.
The parts shall be stored in a dry place. Storage outdoors is not permitted.
Pallet cages which are delivered with wet, soaked or heavily damaged corrugated cardboard can be rejected by PERI and justify a corresponding complaint against the supplier.

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### 2.1.3 Sea freight packaging (wooden crate with Big Bag including air-tight interior packaging)



These formats shall be used for deliveries of components by container and / or sea freight, independent of material or coating.

The wooden crate is lined with a "Big Bag", which makes it possible to lift out the purchased parts from the crate. This "Big Bag" has at least 2 loop handles for lifting out the parts (loop handles shall be freely accessible).

The "Big Bag" shall contain an anticorrosive VCI film bag (Volatile Corrosion Inhibitor) which encloses the entire material. To ensure corrosion protection, the VCI bag shall be hermetically sealed with adhesive tape.


Alternatively, delivery via pallet cage is permitted for these components (container and sea freight). In this case, the "Big Bag" can be omitted. The use of a VCl film bag is, however, mandatory.

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## Requirements for wooden crates

- Outer dimensions: max. 1,200 mm (length) x 800 mm (width) with a maximum height of 970 mm
- Material: in accordance with IPPC standard (see Point 1. General regulations)
- Maximum weight: $1,200 \mathrm{~kg}$ (gross weight incl. container)
- The wooden crate shall be designed to be stackable (at least 3 high). The permitted stacking height shall be applied to the crate using a stamp.
- It shall be possible to open the wooden crate at the top. The lid shall not be nailed down.
- The lid shall be strapped using 2 parallel packaging straps.
- Visualisation on wooden crates (visualisation method: stamp, minimum typeface and size: 4 cm )

Required information applied:

- Certified load bearing capacity
- Certified maximum stacking height (at full load) => standard symbol, no text!
- IPPC stamp
- Tare weight
- Manufacturer


## Requirements for "Big Bag"

- Material: PP- flat woven fabric, uncoated
- At least 2 loop handles at the bag opening for lifting out the bag from the wooden crate
- Carrying capacity corresponding to contents


## Requirements for VCI film bag

- Material: Polyethylene film (PE) with anticorrosive VCl components
- Size: Variable, corresponding to the dimensions of the wooden crate / pallet cage
- Material thickness at least $50 \mu \mathrm{~m}$
- Transparent, colouring permitted



## 3. Safety regulations for lorry drivers during the unloading process

3.1 During registration and the unloading process, the prescribed PPE (personal protective equipment) shall be used. The co-driver shall not leave the vehicle.
3.2 The presence of persons underneath suspended loads is not permitted.
3.3 The lorry driver shall ensure that there is constant visual contact with the forklift driver.
3.4 To access the loading area, the climbing aids intended for this purpose shall be used.
3.5 The indicated speed limits shall be adhered to! The maximum speed of $20 \mathrm{~km} / \mathrm{h}$ shall not be exceeded throughout the entire plant.

