MAHLE Behr Europe container pool system with KLT

Table of contents
1. General processing of KLT pool system ................................................................. 2
2. Returnable packaging at MAHLE Behr pool ................................................................. 3
   2.1. Overview 1 returnable packaging at MAHLE Behr pool .................................... 3
   2.2. Overview 2 returnable packaging at MAHLE Behr pool .................................... 4
   2.3. Specifications returnable packaging at MAHLE Behr pool .................................. 4
3. Implementation of KLT pool system at suppliers ....................................................... 5
4. Logistics processing of KLT pool system ................................................................ 6
   4.1. Scheduling/delivery of returnable packaging ....................................................... 6
   4.2. Storage .................................................................................................................. 7
   4.3. Labeling ............................................................................................................... 7
   4.4. Palletizing ............................................................................................................ 10
   4.5. Load securing ...................................................................................................... 10
   4.6. Area of application for returnable containers ..................................................... 11
   4.7. Stacking height / payload / superimposed load .................................................... 11
   4.8. Contact person for logistic/technical standards ............................................... 11
5. Commercial handling MULTIPACK ........................................................................ 12

1 KLT = small load container
1. **General processing of KLT pool system**

The returnable packaging in this system may only be used for deliveries from the supplier to MAHLE Behr, from MAHLE Behr to the supplier, and for MAHLE Behr's internal deliveries. This applies to all deliveries to MAHLE Behr Group companies within Europe. In addition global and regional logistic guidelines have to be considered.

**Areas of application:**

- MAHLE Behr supplies the following European countries delivered duty unpaid and untaxed:
  - Belgium, Denmark, Germany, France, Italy, Luxembourg, Monaco, Netherlands, Austria, Poland, Romania, Switzerland, Slovenia, Slovakia, Spain, Czech Republic and Hungary.

- Remaining countries of Europe:
  - In the remaining countries additional freight charges are calculated individually and charged to the buyer. Customs documents for export registration are prepared by MAHLE Behr and attached to the shipment. Resulting payments of duty and taxes including additional expenses will be charged to the consignee.

The supplier orders at MAHLE Behr the returnable packaging, required for his demands. The returnable packaging may only be used for deliveries to MAHLE Behr subsidiaries. The use for deliveries to other partners or pre-production is expressly prohibited.

MAHLE Behr supplies the returnable packaging to the supplier within the defined lead-time after receipt of order by fax or e-mail.

The returnable packaging “MULTIPACK” is based on a purchase/sales system – see 5.

For all other returnable packaging a packaging-account has to be implemented between supplier and MAHLE Behr. MAHLE Behr forwards its packaging account on a monthly basis to supplier. Supplier has to check accounts within permitted time period. In case of claims, supplier has to add corresponding paperwork.
2. **Returnable packaging at MAHLE Behr pool**

2.1. **Overview 1 returnable packaging at MAHLE Behr pool**

MULTIPACK – based on purchase/sales system

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Mat.no.</th>
<th>Picture</th>
</tr>
</thead>
<tbody>
<tr>
<td>MU5</td>
<td>Multipack 5</td>
<td>BT00013</td>
<td><img src="image" alt="MU5 Multipack 5" /></td>
</tr>
<tr>
<td>MU6</td>
<td>Multipack 6</td>
<td>BT00379</td>
<td><img src="image" alt="MU6 Multipack 6" /></td>
</tr>
<tr>
<td>MU4</td>
<td>Multipack 4</td>
<td>BT00380</td>
<td><img src="image" alt="MU4 Multipack 4" /></td>
</tr>
<tr>
<td>MU5L</td>
<td>Multipack 5 ESD</td>
<td>BT03073</td>
<td><img src="image" alt="MU5L Multipack 5 ESD" /></td>
</tr>
<tr>
<td>MU6L</td>
<td>Multipack 6 ESD</td>
<td>BT05138</td>
<td><img src="image" alt="MU6L Multipack 6 ESD" /></td>
</tr>
<tr>
<td>MU3</td>
<td>Multipack 3</td>
<td>BT05815</td>
<td><img src="image" alt="MU3 Multipack 3" /></td>
</tr>
<tr>
<td>MU7</td>
<td>Multipack 7</td>
<td>BT06501</td>
<td><img src="image" alt="MU7 Multipack 7" /></td>
</tr>
</tbody>
</table>
2.2. **Overview 2 returnable packaging at MAHLE Behr pool**

Returnable packaging – based on packaging accounts

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Mat.no.</th>
<th>Picture</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUR</td>
<td>Europallet</td>
<td>804562</td>
<td><img src="image1.png" alt="Picture" /></td>
</tr>
<tr>
<td>A1208</td>
<td>HU lid 1208</td>
<td>BT00233</td>
<td><img src="image2.png" alt="Picture" /></td>
</tr>
<tr>
<td>3147RFID</td>
<td>KLT3147 with RFID</td>
<td>BT60471</td>
<td><img src="image3.png" alt="Picture" /></td>
</tr>
<tr>
<td>4213</td>
<td>KLT4213</td>
<td>BT59936</td>
<td><img src="image4.png" alt="Picture" /></td>
</tr>
<tr>
<td>8420</td>
<td>KLT8420 with RFID</td>
<td>BT57600</td>
<td><img src="image5.png" alt="Picture" /></td>
</tr>
<tr>
<td>D45</td>
<td>KLT lid D45</td>
<td>BT60297</td>
<td><img src="image6.png" alt="Picture" /></td>
</tr>
<tr>
<td>D35</td>
<td>KLT lid D35</td>
<td>BT60296</td>
<td><img src="image7.png" alt="Picture" /></td>
</tr>
</tbody>
</table>

2.3. **Specifications returnable packaging at MAHLE Behr pool**

Specifications/data sheets could be requested at KLT-Pool Management
3. Implementation of KLT pool system at suppliers

Step 1: Identification of parts

- On the basis of the packaging specifications of MAHLE Behr, supplier defines the quantity of parts per packaging and adjusts these in consultation with the responsible Logistics team leader (Logistic Datasheet).

Step 2: Access to system

- Registration with Logistics MAHLE Behr Group: KLTPool@mahle.com
- The supplier receives additional information and the order form.

Address:

MAHLE Behr GmbH & Co KG
KLTPool / TEL4
Mauserstraße 3
D-70469 Stuttgart
Tel: +49 711 501 10225
Fax: +49 711 501 44 10225
Email: KLTPool@mahle.com
4. Logistics processing of KLT pool system

4.1. Scheduling/delivery of returnable packaging

Supplier is responsible for planning and scheduling the demand for returnable packaging. Supplier's order is sent by fax or email. Within a maximum of 5 / 7 working days after receipt of the order, delivery will be carried out by MAHLE Behr.

**Lead time 5 working days:**
Belgium, Denmark, France, Germany, Italy, Luxembourg, Monaco, Netherlands, Austria, Poland, Switzerland, Slovakia, Spain and Czech Republic.

**Lead time 7 working days:**
Romania, Slovenia, Hungary

Shipments to other European countries will take place after previous coordination.

Shipment of empty returnable packaging takes place sorted and with defined package sizes. KLT are to be stored upside-down. Load securing for KLT and lids has to be done with lid A1208 and straps.

<table>
<thead>
<tr>
<th>Europallet</th>
<th>= 15 pcs. per stack</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 pallet KLT4213</td>
<td>= 40 pcs.</td>
</tr>
<tr>
<td>1 pallet lid D45</td>
<td>= 200 pcs.</td>
</tr>
<tr>
<td>1 pallet KLT3147</td>
<td>= 112 pcs.</td>
</tr>
<tr>
<td>1 pallet lid D35</td>
<td>= 200 pcs.</td>
</tr>
<tr>
<td>1 pallet KLT8420</td>
<td>= 15 pcs.</td>
</tr>
<tr>
<td>1 pallet A1208</td>
<td>= 25 pcs.</td>
</tr>
</tbody>
</table>

| 1 pallet MU 4        | = 32 pcs.           |
| 1 pallet MU 5        | = 44 pcs.           |
| 1 pallet MU 5 L      | = 44 pcs.           |
| 1 pallet MU 6        | = 88 pcs.           |
| 1 pallet MU 6 L      | = 88 pcs.           |
| 1 pallet MU 7        | = 160 pcs.          |
| 1 pallet MU 3        | = 21 pcs.           |
4.2. **Storage**

Clean and returnable packaging has to be stored dryly (under roof).

4.3. **Labeling**

For the identification of KLT/MULTIPACK, **only non-self-adhesive** shipping/part identification labels must be used. They must have a grammage of 120g/m² at minimum.

Labels have to be put into the provided label holder (KLT). Fixation with adhesive dots is not needed / permitted.

The fixation of the labels at MULTIPACK has to be done with max. 2 adhesive dots.

For identification of the handling unit, a master label has to be used. The fixation has to be done with max. 2 adhesive dots.

These adhesive dots can be purchased directly from the manufacturer at MAHLE Behr conditions.

**Following types are available:**

- Adhesive dot 45 x 19 mm (item number BT56855)
- Adhesive dot 30 x 30 mm (item number BT56856)

Adhesive dots may also be purchased at other manufacturers. Construction has to follow the specification of MAHLE Behr adhesive dots.

Specifications and supplier information could be requested at KLT-Pool Management.

No other types of fixation are permitted.

Labeling will be inspected at goods receipt and if non-compliant, a complaint will follow. Additional costs regarding non-compliant labeling will be charged to the supplier.
Labeling that is compliant with the system:

- Non self-adhesive label, put into label holder at KLT and 1 master label at front end fixed with max. 2 adhesive dots of defined types

- Non self-adhesive label, fixed with max. 2 adhesive dots at MULTIPACK and 1 master label at front end fixed with max. 2 adhesive dots of defined types

- Exception MU7 – due to sizes, label has to be put on long side

- Basically size of labels (VDA 4902) should be aligned to size of KLT
Labeling that is not compliant with the system:

- Label on the lid
- Label on the side
- Affixing (self-adhesive) pockets to the container
- Use of any type of tape (also Scotch tape)
- Multiple labels applied by suppliers
- Use of self-adhesive labels
- Labels between the reinforcing ribs
- Labels on the inside of the container

To prevent parts from getting mixed up in the production process, only the currently valid shipping/parts identification label has to be used on the container.
4.4. **Palletizing**

According to this standard Europallets (1200 x 800 x 144 mm) have to be used for shipping of returnable packaging. MAHLE Behr part number is 804562.

4.5. **Load securing**

- For the delivery of full KLT/MULTIPACK, only plastic straps are permitted. When using handling unit lid A1208, the plastic strap must be routed through the grooves.

- For MULTIPACK, the plastic strap must be routed through the grooves in the lid (not the hinge).

- Exception: for MU7 plastic straps have to be routed in the middle row of handling unit in addition.
4.6. **Area of application for returnable containers**

In principle, the returnable packaging is suitable for all parts satisfying the dimensional requirements. Using additional transport inserts it is also possible to securely pack sensitive parts as well. If filled containers are handled manually, care must be taken to ensure compliance with the ergonomic and legal guidelines.

It is to be assumed that containers are circulated throughout the MAHLE Behr Group under industrial conditions. This includes, in particular, the handling of the containers as well as a minor soiling by process-related activities on the parts which cannot be avoided.

Exceptions to this rule must be defined!

4.7. **Stacking height / payload / superimposed load**

The stacking height of filled containers per pallet has to be agreed with MAHLE Behr. The payload / superimposed load of the individual types of container has to be observed in this process.

4.8. **Contact person for logistic/technical standards**

The department responsible for the contact/coordinating function relating to logistic and technical contents of this guideline is Europe Logistics, Container Concepts / Logistics Services, TEL

Mr. Jochen Rothfuß, TEL
jochen.rothfuss@mahle.com
5. Commercial handling MULTIPACK

General conditions:

- Each MULTIPACK type has an individual material number and a standardized price. Selling price = Repurchase price
- Shipping contract has to be created by MAHLE Behr per shipping point and is the basis for shipping paperwork and creation of invoices to receiver.
- For shipments from supplier to MAHLE Behr, a vendor schedule agreement has to be created per MULTIPACK type by MAHLE Behr before first shipment. This is the basis for invoicing MULTIPACK.

Supply of goods and Invoicing

- In order to document the delivery, only delivery note is needed. This note contains two items, one of which refers to the goods actually delivered, while a further item refers to the MULTIPACK. Invoices should be drawn up accordingly, one individual item referring to the value of the goods supplied and a further separate item referring to the MULTIPACK. Both items refer to the delivery note number with which the goods have been supplied. For parts and MULTIPACK, separate purchase order number has to be posted.

- Creating delivery note and invoice please ensure that items for “material and MULTIPACK documentation” appear together on one delivery note and one invoice. If multiple items have to be entered for materials, please enter these first and the MULTIPACK last.

  e.g.: Delivery Note No. 12500
  
  Item 1  XXXXX  100 pcs
  
  Material scheduling agreement: 5500000100 (mandatory information, must be entered in the Order Number field)

  Item 2  BT00013  5 pcs
  
  Multipack scheduling agreement: 5500000200

- In the event that parts are shipped to a consignment warehouse, a separate invoice for MULTIPACK must be provided by the supplier. Payment for MULTIPACK will be done according to payments terms, independent of withdrawal.