

MAHLE Behr Europe container pool system with KLT¹

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

Name	Description	Mat.no.	Picture
MU5	Multipack 5	BT00013	
MU6	Multipack 6	BT00379	
MU4	Multipack 4	BT00380	
MU5L	Multipack 5 ESD	BT03073	
MU6L	Multipack 6 ESD	BT05138	
MU3	Multipack 3	BT05815	
MU7	Multipack 7	BT06501	

2.2. Overview 2 returnable packaging at MAHLE Behr pool Returnable packaging – based on packaging accounts

Name	Description	Mat.no.	Picture
EUR	Europallet	804562	
A1208	HU lid 1208	BT00233	
3147RFID	KLT3147 with RFID	BT60471	
4213	KLT4213	BT59936	
8420	KLT8420 with RFID	BT57600	
D45	KLT lid D45	BT60297	
D35	KLT lid D35	BT60296	

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

Step1: 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 und 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.

Europallet	=	15	pcs. per stack
1 pallet KLT4213	=	40	pcs.
1 pallet lid D45	=	200	pcs.
1 pallet KLT3147	=	112	pcs.
1 pallet lid D35	=	200	pcs.
1 pallet KLT8420	=	15	pcs.
1 pallet A1208	=	25	pcs.

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.