



Packaging Specifications

- STAUFF Return/Refill System -



“Lasting success can only be achieved with reliable, efficient business partners.”

We look forward to successful collaboration!

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1 Policy

1.1 Introduction

With you as a system supplier, STAUFF, one of the leading manufacturers of hydraulic components, have succeeded in integrating an efficient partner into their supplier chain. The objective of our collaboration as partners is to consistently improve the competitiveness of our product portfolio by means of optimising costs, as well as making qualitative and technological progress in the interests of the market. As a system supplier, you stand out due to exceptional reliability and a high sense of responsibility!

These Packaging Specifications (PS) become effective in combination with the Logistics Guidelines (LG) issued by the STAUFF organization and are thus not intended as a substitute for the LG. The basic principles, the handling, the responsibilities and the correct way of dealing with empty STAUFF containers are defined in the PS. The PS apply to system suppliers to whom STAUFF containers have been made available for the transportation of their products. Since we assume that transport will take place using suitable vehicles and forwarding agents and that shipment will only be carried out if the goods are properly secured, these aspects will not be referred to in detail in the following. The SP are intended to warrant smooth and efficient operational processes and material flows. A STAUFF refill/return packaging system is to be utilised for all transportation between the system supplier and STAUFF.

1.2 Objectives

The aim in utilising the STAUFF refill/return system is to achieve an uninterrupted logistics chain as well as assuring the continuous improvement of the supply chain. The implementation of this refill/return system constitutes an additional contribution towards avoiding packaging materials, some of which are frequently unnecessary, as well as preventing senseless waste. System suppliers and STAUFF will consequently be making a further contribution towards protecting the environment.

2 General Information

A smooth flow of information serves as the basis for successful, positive cooperation between the system supplier and STAUFF. The density of the information relating to all the relevant facts and circumstances concerning the shipment is an essential element in this respect. It is only possible to establish lasting trust and confidence and to pass these positive effects on to the customer if the chain of information is actively and reliably supported by way of efficient communication between the two parties and by complying with the agreements made.

2.1 Basis

A successful flow of information can only be warranted if competent specialist staff are available as contact persons. STAUFF are to be notified of the system supplier's contact person for logistics, and provided with the person's name, e-mail address, telephone and fax numbers as well as detailed notification of any temporary stand-in.

The system supplier must ensure that the contact person is available and reachable on working days from 7.30 a.m. to 5.30 p.m. (local times at the system supplier's place of business).

3 STAUFF Return/Refill System

3.1 Responsibility

The full responsibility for the condition and treatment of the STAUFF refill/return containers passes to the system supplier upon receipt of goods. STAUFF reserve the right to pass on any kind of supplementary costs that arise, e.g. as a result of wear and tear, specific contamination, damage, etc. to the system supplier on a 1:1 basis. Wherever the ecological, economical and qualitative aspects of selecting packaging are concerned, decisions are to be made in close coordination with STAUFF, with the ultimate determination of such aspects being made by STAUFF. Prior to the first consignment, product-specific packaging is to be jointly defined by STAUFF and the system supplier. STAUFF is to send the system supplier a packaging instruction which must be acknowledged and sent to logistics@stauff.com within 10 work days, but at the latest prior to “first consignment”. In the event that the packaging instruction is not duly signed in acknowledgement and returned, it will automatically be regarded as accepted. The special circumstances for each article are always to be attached to / included with the purchase order by way of an order text. The requirements arising from the order text are binding on the system supplier.

Furthermore, the system supplier shall always bear the responsibility for ensuring that there are sufficient refill/return containers available at any time so as to enable delivery to be discharged. Consequently, the supplier has the duty to manage the stock of empties correctly.

3.2 Obligations

STAUFF obligations:

- Punctual provision of sufficient, appropriate and functionable empty containers (see 3) to the system supplier – following receipt of an order from the same.
- Notification of any technical changes relating to the packaging and/or the quantity.

System supplier's obligations (empty containers):

- Immediate clarification with STAUFF of any problems as to availability, condition, selection of KLT (small goods carriers), etc.
- Compliance with specified requirements
- Management of stock of empty containers
- Responsibility for the treatment and condition of the empties
- Containers are to be used solely for transportation between the supplier and STAUFF
- Responsibility for all-in performance as regards quality and adherence to contractual principles.

3.3 Refill/Return Containers

Europallet



Bezeichnung/ Marking:	Europallet new
Nennmaß/ Dimensions:	1200 x 800 x 160 mm
Volumen/ Volume:	153600 ccm
Eigengewicht/ Tare weight:	approx. 15 kg
Füllgewicht/ Max. load	850 kg
Palettierung/ Palletising:	-
Farbe/ Colour:	bright

Stacking frames



Bezeichnung/ Marking:	HOR
Nennmaß/ Dimensions:	1200x800x200mm
Volumen/ Volume:	-
Eigengewicht/ Tare weight:	approx. 10.00 kg
Füllgewicht/ Max. load:	-
Palettierung/ Palletising:	8 pcs./pallet
Farbe/ Colour:	-

Wooden LID



Bezeichnung/ Mark:	LID,MDF
Nennmaß/ Dimension:	ca. 1200x800x5mm
Volumen/ Volume:	4800 ccm
Eigengewicht/ Tare weight:	ca. 9kg
Füllgewicht/ Max. load:	-
Palettierung/ Palletising:	100 pcs
Farbe/ Colour:	-

Shelf



Bezeichnung/ Mark:	shelf
Nennmaß/ Dimension:	1190x790x2mm
Volumen/ Volume:	1880 ccm
Eigengewicht/ Tare Weight:	ca. 2,00kg
Füllgewicht/ Max. load:	-
Palettierung/ Palletising:	-
Farbe/ Colour:	-

Packaging Specifications

Plastic container B 1 (KLT)



Bezeichnung/ Mark:	LWB 2624-2
Nennmaß/ Dimensions:	600x400x220mm
Volumen/ Volume:	0.0528m ³
Eigengewicht/ Tare weight:	approx. 2.56 kg
Füllgewicht/ Max. load	40 kg
Palettierung/ Palletising:	32 pcs./pallet
Farbe/ Colour:	RAL 6021

Plastic container B 2 (KLT)



Bezeichnung/ Mark:	LWB 2644-2
Nennmaß/ Dimensions:	600x400x420mm
Volumen/ Volume:	0.1008m ³
Eigengewicht/ Tare Weight:	approx. 4.13 kg
Füllgewicht/ Max. load:	40 kg
Palettierung/ Palletising:	16 pcs./pallet
Farbe/ Colour:	RAL 6021

Plastic container D 3 (KLT)



Bezeichnung/ Mark:	LWB 2424 - 6
Nennmaß/ Dimension:	400x300x220mm
Volumen/ Volume:	0,0264m ³
Eigengewicht/ Tare weight:	ca. 1,55kg
Füllgewicht/ Max. load:	18,00kg
Palettierung/ Palletising:	64 Stck./Palette (pcs/palett)
Farbe/ Colour:	RAL 6021

SKI 142



Bezeichnung/ Mark:	SKI 142
Nennmaß/ Dimension:	503x311x142mm
Volumen/ Volume:	0,01917m ³
Eigengewicht/ Tare weight:	ca. 3,50kg
Füllgewicht/ Max. load:	30,00kg
Palettierung/ Palletising:	18 Stck./Palette (pcs/palett)
Farbe/ Colour:	green

SKI 200



Bezeichnung/
Mark:

SKI 200

Nennmaß/
Dimension:

515x322x200mm

Volumen/
Volume:

0,0270m³

Eigengewicht/
Tara weight:

ca. 3,50kg

Füllgewicht/
Max. load:

35,00kg

Palettierung/
Palletising:

20 Stck./Palette (pcs/palett)

Farbe/
Colour:

green

HKI small



Bezeichnung/
Mark:

HKI small

Nennmaß/
Dimension:

750x400x450mm

Volumen/
Volume:

0,1350m³

Eigengewicht/
Tara weight:

ca. 38,60kg

Füllgewicht/
Max. load:

450,00kg

Palettierung/
Palletising:

-

Farbe/
Colour:

green

HKI large



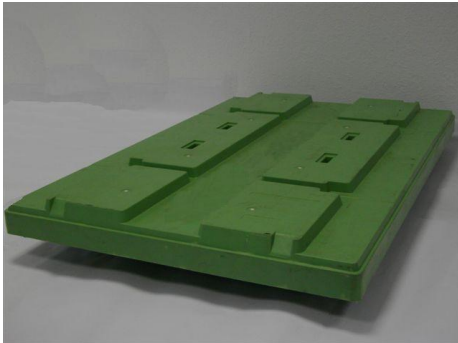
Bezeichnung/ Mark:	HKI large
Nennmaß/ Dimension:	110 x 70 x 40 cm
Volumen/ Volume:	308.000 ccm
Eigengewicht/ Tara weight:	53,00 kg
Füllgewicht/ Max. load:	850,00 kg
Palettierung/ Palletising:	-
Farbe/ Colour:	green

GLT (KLK)



Bezeichnung/ Mark:	KLK 1208K
Nennmaß/ Dimension:	1110 x 710 x 820mm
Volumen/ Volume:	0,65m ³
Eigengewicht/ Tara weight:	ca. 52,60kg
Füllgewicht/ Max. load:	500,00kg
Palettierung/ Palletising:	-
Farbe/ Colour:	RAL 7001/ grey

Plastic lid



Bezeichnung/ Mark:	LID-Deckel PP
Nennmaß/ Dimension:	1205x810x100mm
Volumen/ Volume:	97605 ccm
Eigengewicht/ Tara weight:	ca. 6,00kg
Füllgewicht/ Max. load:	-
Palettierung/ Palletising:	30 ST/ pcs.
Farbe/ Colour:	RAL 6021/ green

The designation of each KLT / small load carrier is located in the top right-hand corner of the front face. Improvement proposals as to size and identification have already been initiated.

The STAUFF Europallet (made of wood and/or plastic) is intended as a load carrier. The previously defined palletising data refers only to an empty container unit. The following chart provides details of palletising empty containers as well as containers with goods, together with the maximum load per KLT (load carrier).

Container	Max. weight / pallet	Defined size of container unit Empty/Europallet	Palletising incl. goods / Europallet	Small load carrier (KLT) / Layers
KLT B1	600,00kg	32	16	4
KLT B2	360,00kg	16	8	2
KLT D3	560,00kg	64	32	4
SKI 142	700,00kg	30	30	5
SKI 200	770,00kg	24	24	4
HKI small	500,00kg	16	1	1
HKI large	900,00kg	8	1	1
GLT	500,00kg	-	-	-
Pallet Typ		n: stacking frame		
E1	850,00 kg	1 to 2	-	-
E2	850,00 kg	3 to 4	-	-

Fig. 1 Comparison Chart

STAUFF small load carriers (KLT) are to be closed during shipment using the illustrated lid. This lid not only closes the container, it also enables the load carriers to be stacked. Whenever articles are purchased that are known to STAUFF, the type of KLT or container to be used as well as the quantity per KLT can be found in the packaging agreement transmitted prior to shipment. However, in cases when articles are ordered that are not known to STAUFF, the ideal quantity per KLT is to be determined by the system supplier in consultation with STAUFF. Based on the KLTs/containers specified by STAUFF, the system supplier is to determine the correct quantity of articles per refill/return container. This information is to be transmitted per e-mail to STAUFF to ensure data coordination. The blank "Packaging Instruction" data sheet is to be used for this purpose.

Specific separate agreements only become effective when received in written form.

3.4 Identification Markings

Additional markings are necessary to ensure that the contents of containers are clearly defined and identifiable. This supplementary marking does not alter any of the required labels specified in the Logistics Guidelines (LG). In principle, the marking on the outer packaging suffices as the basis for identification (compare LG). Besides that, STAUFF will accept identification marking by way of a transport label or tag in compliance with VDA 4902. Unless otherwise agreed, the identification markings required are specified in the LG. Should there be any special requirements, these will be referred to explicitly in the order text.

3.5 Miscellaneous

If you have any ideas, proposals or suggestions for improvement, etc., please send them together with details and your reason for wanting such a change, addressed to logistics@stauff.com.

4 Packaging Specifications Voswinkel

KLT blue flat



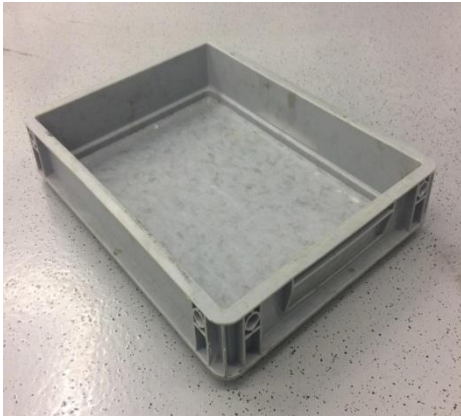
Bezeichnung/ Mark:	KLT EF 4070
Nennmaß/ Dimension:	400x300x75mm
Volumen/ Volume:	9.000.000 cmm
Eigengewicht/ Tare weight:	ca. 0,67 kg
Füllgewicht/ Max. load	12 kg
Palettierung/ Palletising:	40 pcs.
Farbe/ Colour:	blue

KLT blue tall



Bezeichnung/ Mark:	KLT 4315
Nennmaß/ Dimension:	400 x 300 x 148 mm
Volumen/ Volume:	17.760.000 cmm
Eigengewicht/ Tare Weight:	ca. 1,29 kg
Füllgewicht/ Max. load:	12 kg
Palettierung/ Palletising:	32 pcs.
Farbe/ Colour:	blue

KLT grey flat



Bezeichnung/ Mark:	KLT EC 43075
Nennmaß/ Dimension:	400x300x75mm
Volumen/ Volume:	9.000.000 cmm
Eigengewicht/ Tare weight:	ca. 0,59 kg
Füllgewicht/ Max. load	12 kg
Palettierung/ Palletising:	40 pcs.
Farbe/ Colour:	grey

KLT grey tall



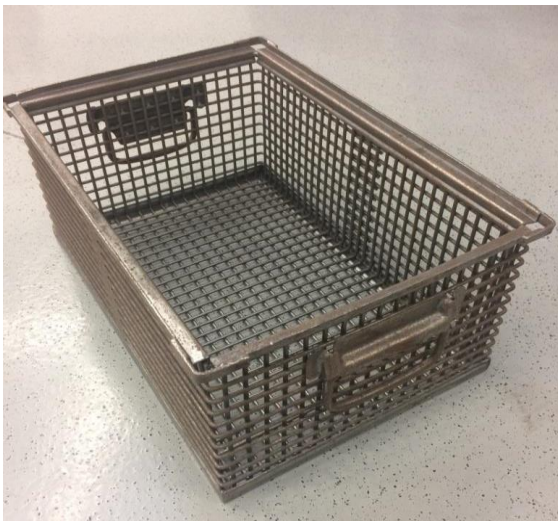
Bezeichnung/ Mark:	KLT EC 43120
Nennmaß/ Dimension:	400 x 300 x 148 mm
Volumen/ Volume:	17.760.000 cmm
Eigengewicht/ Tare Weight:	ca. 0,73 kg
Füllgewicht/ Max. load:	12 kg
Palettierung/ Palletising:	32 pcs.
Farbe/ Colour:	grey

KLT Agco / Daimler



Bezeichnung/ Mark:	KLT 3214
Nennmaß/ Dimension:	200x300x148mm
Volumen/ Volume:	8.880.000 cmm
Eigengewicht/ Tare weight:	ca. 0,72 kg
Füllgewicht/ Max. load	12 kg
Palettierung/ Palletising:	64 pcs.
Farbe/ Colour:	blue

Wash box



Bezeichnung/ Mark:	Wash box
Nennmaß/ Dimension:	480 x 315 x 200 mm
Volumen/ Volume:	30.240.000 cmm
Eigengewicht/ Tare Weight:	ca. 7 kg
Füllgewicht/ Max. load:	20 kg
Palettierung/ Palletising:	15 pcs.
Farbe/ Colour:	silver

Wooden box



Bezeichnung/ Mark:	Wooden Box
Nennmaß/ Dimension:	300x120x70 cm
Volumen/ Volume:	2.520.000 ccm
Eigengewicht/ Tare weight:	ca. 210 kg
Füllgewicht/ Max. load	2000 kg
Palettierung/ Palletising:	-
Farbe/ Colour:	brown

Schäfer Steelcontainer



Bezeichnung/ Mark:	Schäfer Steelcontainer
Nennmaß/ Dimension:	102 x 52,5 x 61 cm
Volumen/ Volume:	326.655 ccm
Eigengewicht/ Tare Weight:	35,00 kg
Füllgewicht/ Max. load:	500 kg
Palettierung/ Palletising:	-
Farbe/ Colour:	green

Overview Packaging Voswinkel

Container	Max. weight / pallet	Defined size of container unit Empty/Europallet	Palletising incl. goods / Europallet	Small load carrier (KLT) / Layers
KLT blue flat	500,00kg	80	40	8
KLT blue tall (4315)	450,00kg	64	32	8
KLT grey flat	500,00kg	80	40	8
KLT grey tall	450,00kg	64	32	8
KLT Agco/Daimler	830,00kg	128	64	16
Wash box	450,00kg	15	15	3
Wooden box	2000,00kg	-	-	-
Schäfer Steelcontainer	535,00kg	-	-	-
Paletten Typ		n: stacking frame		
E1	850,00 kg	≤ 2	-	-
E2	850,00 kg	≤ 4	-	-
E3	850,00 kg	≤ 8	-	-