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EDIFACT DESADV**

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## Regulations for the structuring of EDI delivery note data according to EDIFACT DESADV

These regulations apply to the structuring of EDI delivery note data according (ASN) to EDIFACT DESADV for the description of packaging structures.

The structuring of EDI delivery note data according to VDA 4913 is described in a separate guide.

A separate guide has also been produced for creation of labels corresponding to EDI delivery note data.

To achieve the following objectives all parties must follow and observe these structuring regulations for EDIFACT DESADV:

- reduction of control effort and manual handling in goods-in,
- computer processed comparison of target and actual in controlled collection in the AMES-T process,
- simplification of registering and identifying all delivery units in wholesale unit packs (principle of one document only),
- computer-processed comparison of delivery note data with transport labels attached to shipment.

These structuring regulations also form an additional guide on how information should be set out on the EDI-delivery note VDA 4912 and on the item sheet in the shipment documents according to VDA 4939 (TSB = transport and shipment documents).

### **Note:**

In the LISON internet application a wholesale unit pack list is used to assign a Unit Pack ID for structured handling units (Unit Pack Code). In the LISON internet application empties can be ordered under the Unit Pack ID.

**VOLKSWAGEN delivery instructions continue to list the packing aids individually. The packing aids must also be indicated individually in the delivery notes and transport data from suppliers to VOLKSWAGEN AG (in accordance with these regulations).**

Simplified handling units can be registered individually in goods-in processing, for instance by scanning the barcode on the transport label. This is not always possible in the case of packages with subpackaging (handling units / wholesale unit packs). This makes the DESADV message structure and the package serial number especially important in the structuring of the wholesale unit packs. The goods in system can call up all packages in a wholesale unit pack by reading the package serial number on the main transport label (M- / 6J- or G- / 5J- Label). This, of course, can only be done if all package and packing aid data transmitted in the EDI delivery note and referring to a specific wholesale unit pack, can be identified as belonging together. For our goods-in system to make this identification, the EDI delivery note must give a correct assignment of the handling unit's packages using segment structures.

The content of a handling unit must be clearly identifiable and unambiguous.

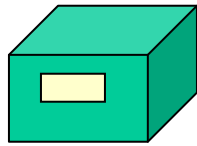
If a shipment is made up of several handling units, those delivery units which contain identical parts (same article number) in equal quantities should be concentrated in one handling unit, if possible, and not be spread out over several wholesale unit packs. Even in the case of several handling units all containing the same article number, the contents of each handling unit must be indicated individually. Therefore the indication 'Package numbers from - to' may not be used to cover more than one wholesale unit pack!

The contents of the wholesale unit pack must also be indicated on the EDI-delivery note or the transport and shipment documents. The structures can be generated as a printed graphic on the documents. The requirements applying to shipment documents are described in a separate guide.

The following general rules must be observed in the composition, transmission, and form of package serial numbers in the EDI delivery note and transport data EDIFACT DESADV:

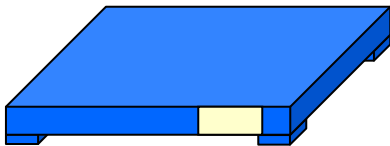
1. The supplier has to assign a numerical package serial number not exceeding 9 digits.
2. A supplier may only use a package serial number once within the period of a year.
3. Normally, package serial numbers have to be assigned sequentially. In the case of packages with the same article number, same packing aid type and same quantity the form 'Package numbers from - to' should be used in the delivery note and the EDI delivery note / transport and shipment documents. This reduces the data volume for packages with serial numbers in uninterrupted sequence.
4. Also the label identifier (transport label package identifier) according to field 15 of VDA Recommendation 4902 (or according to the licence plate qualifier of the global transport label GTL) must be entered in the PCI segment. Package identifiers are:
  - G (5J) = mixed loading unit / mixed pallet / mixed wholesale unit pack,
  - M (6J) = homogenous loading unit / (master) wholesale unit pack,
  - S (1J) = packages with no subpackaging (delivery units in wholesale unit pack, simplified loading units).
5. Only master packing aid records (loading equipment and possibly packing aid carriers) may have a package identifier, a package serial number and a quantity. For master packing aids a transport label must be produced.
6. The package identifiers in the DESADV PCI segment and on the transport label in field 15 in front of the package serial number must be identical.
7. Loading units (wholesale unit packs) have to have a master transport label (identifier "M" or "G"). The loading unit's master transport label carries the loading unit's package serial number. This is shown in segment group 10 (CPS) for the packing aid carrier.
8. The loading unit's package serial number must not be assigned before the wholesale unit pack has been composed (at the time of dispatch).
9. No package serial number is assigned to auxiliary packing aids (lids, frames, inlays). Auxiliary packing aids do not require a transport label.
10. Auxiliary packing aids are listed in an additional PAC segment without a package serial number. The auxiliary packing aid records must be logically assigned to the loading unit or delivery unit.
11. Empty small parts containers used to make up or stabilise a stacking layer should be treated as auxiliary packing aids (of the loading unit).
12. When production material is shipped in the form of predetermined parts sets, special agreements may apply.
13. If a shipment contains identical article numbers both in a wholesale unit pack and in a simplified loading unit e.g. large parts container, the quantity delivered in the large parts container is only identified by the change in packing aid type. For this reason **loading units** must always come **before wholesale unit packs** in the record sequence when identical article numbers occur under one delivery note number.
14. All delivery units in a mixed wholesale unit pack must be indicated in a connected sequence of segment groups.

### 0) Presentation of package levels / handling units in packaging examples - Couloers and symbols -

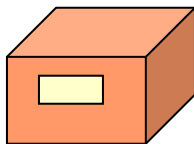


↑ Inner package / inner handling unit.

↑ Simplified handling unit.



↓ Outer Package / outer handling unit.



↕ Intermediate package level / intermediate handling unit

#### **Legend of data elements in the segments**

**(not all obligatory fields are filled out in the following structure examples)**

CPS+ *serial number CPS segment+reference to parent CPS+ package layer coded'*

PAC+ *Number of packaging items++packaging type::92'*

PAC+ *Number packaging+:37+packaging type::92'*  
(37= aux. packaging)

QTY+ *Qualifier quantity p. pack:quantity p. pack:PCE'*

PCI+ *17+++Label ID (M, G, S)::10'*  
with current OTL Odette Transport Label (VDA4902)

PCI+ *17+++Label-ID (6J, 5J, 1J)::5'*  
with GTL = Global-Transport-Label (change request made by Od.)

GIN+ *ML+package number(serial no.)'*

LIN+++*Article number (item number):IN'*

PIA+ *1+ Order number. ON+lot number :BB'*

QTY+ *Qualifier delivery quantity:PCE'*

RFF+ *AAU:delivery note number:delivery note item*

DTM+ *171:delivery note date:102'*

LOC+ *11+material receiving area::92'*

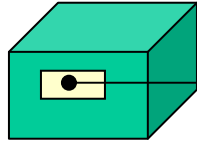
OTL = Odette Transport Label (VDA 4902)

GTL = Global Transport Label

### 1a) simplified handling unit KLT

Article number  
.171.201.981

packaging  
1x 003214  
quantity p. pack  
1x 150



package identification  
OTL   GTL   package number

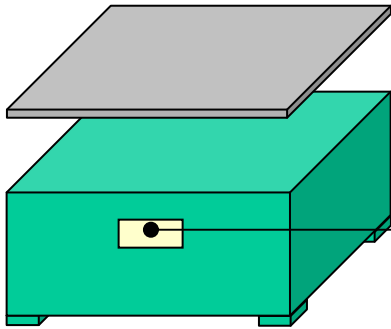
S    1J    1001

### 1b) simplified handling unit GLT

Article number  
.1J0.820.119

packaging  
1x 110848  
1x P01208

quantity p. pack  
1x 80



package identification  
OTL   GTL   package number

S    1J    1006

CPS+1++4'

↑ PAC+1++003214::92'  
QTY+52:150:PCE'  
PCI+17+++1J::5'  
GIN+ML+1001'

LIN+++171.201.981:IN'  
PIA+1+000001:ON'  
QTY+1:150:PCE'  
RFF+AAU:1:1'  
DTM+171:19991222:102'  
LOC+11+10174::92'

CPS+2++4'

↑ PAC+1+:37+P01208::92'  
PAC+1++110848::92'  
QTY+52:80:PCE'  
PCI+17+++1J::5'  
GIN+ML+1006'

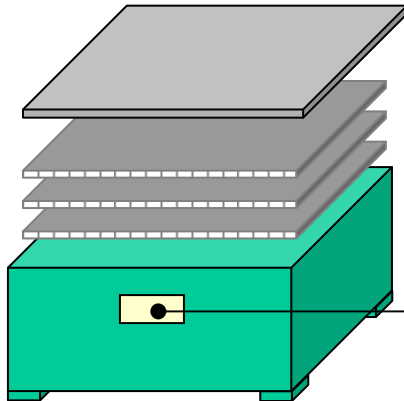
LIN+++1J0.820.119:IN'  
PIA+1+000001:ON'  
QTY+1:80:PCE'  
RFF+AAU:1:2'  
DTM+171:19991222:102'  
LOC+11+10174::92'

Article number  
.1J0.820.119

### packaging

1x 110848  
3x E00008  
1x P01208

quantity per pack  
1x 80



1c) Simplified handling unit GLT  
with paddings

package identification		package number
OTL	GTL	
S	1J	1006

**CPS+2++4'**

**PAC+1+:37+P01208::92'**

**↑ PAC+3+:37+E00008::92'**

**PAC+1++110848::92'**

QTY+52:80:PCE'

PCI+17+++1J::5'

GIN+ML+1006'

LIN+++1J0.820.119:IN'

PIA+1+000001:ON'

QTY+1:80:PCE'

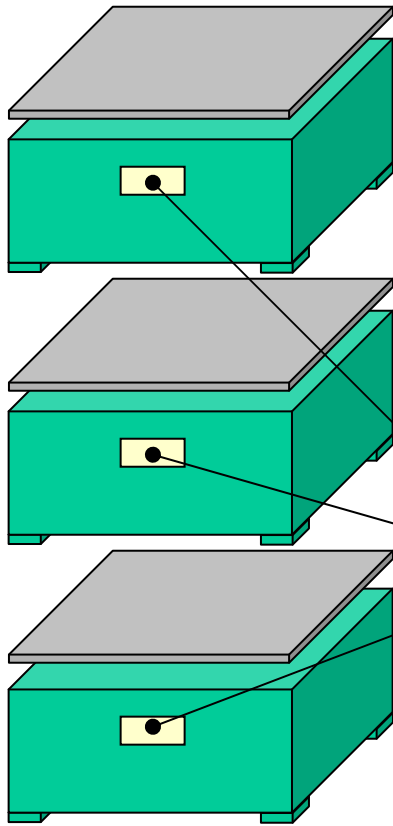
RFF+AAU:1:2'

DTM+171:19991222:102'

LOC+159+10174::92'

Article number  
**.1J0.820.119.B**

packaging  
**3x P01208**  
**3x 110848**  
quantity p. pack  
**3x 80**



2a) transport unit:  
 3 simplified handling units GLT  
 same packaging, same quantity p. pack

package identification		
OTL	GTL	package number
S	1J	2001
S	1J	2002
S	1J	2003

CPS+3++4'

PAC+3+:37+**P01208**::92'

↑ PAC+**3**++**110848**::92'

QTY+52:**80**:PCE'

PCI+17+++**1J**::5'

GIN+ML+**2001:2003**'

LIN+++**.1J0.820.119.B**:IN'

QTY+1:**240**:PCE'

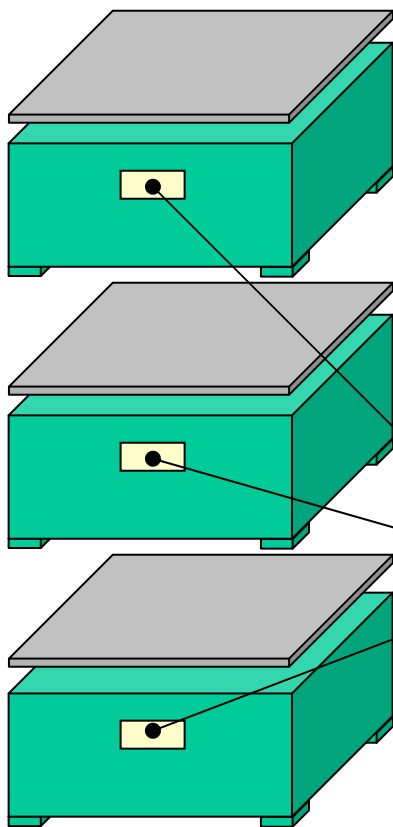
RFF+AAU:2:1'

DTM+171:19991222:102'

LOC+11+10985::92'

Article number  
**.6X2.419.721.L**

packaging  
**3x P01208**  
**3x 110848**  
 quantity p. pack  
**2x 120**  
**1x 90**



2b) transport unit:  
 3 simplified handling units GLT  
 same packaging,  
**different quantities p. pack**

package identification		
OTL	GTL	package number
S	1J	3004
S	1J	3005
S	1J	3006

CPS+4++4'

↑ PAC+2+:37+**P01208**::92'  
 ↑ PAC+2+++**110848**::92'  
 QTY+52:**120**:PCE'  
 PCI+17+++**1J**::5'  
 GIN+ML+**3004:3005**'

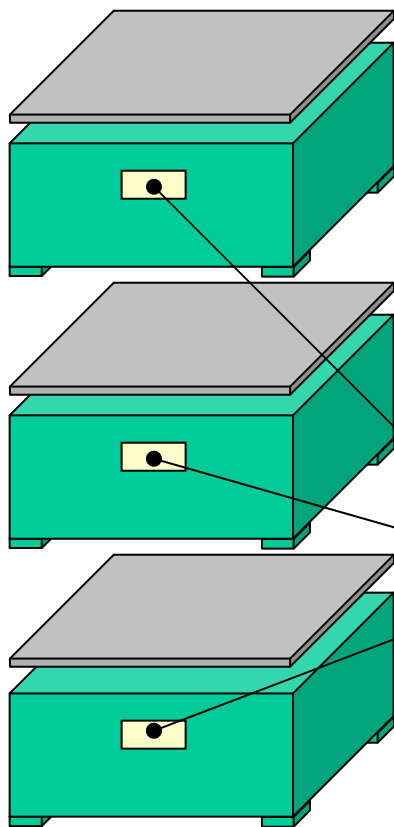
↑ PAC+1+:37+**P01208**::92'  
 ↑ PAC+1+++**110848**::92'  
 QTY+52:**90**:PCE'  
 PCI+17+++**1J**::5'  
 GIN+ML+**3006**'

LIN+++**.6X2.419.721.L**:IN'  
 QTY+1:**330**:PCE'  
 RFF+AAU:3:1'  
 DTM+171:19991222:102'  
 LOC+11+10174::92'

Article number  
.6X2.419.721.L

packaging  
3x P01208  
3x 110848  
quantity p. pack  
3x 120

Chargen.Nrn.  
CN001  
CN002



2c) transport unit:  
3 simplified handling units GLT  
same packaging, same quantity p. pack,  
different lots

package identification		
OTL	GTL	package number
S	1J	23004
S	1J	23005
S	1J	23006

CPS+4++4'

↑ PAC+2+:37+P01208::92'  
PAC+2++110848::92'  
QTY+52:120:PCE'  
PCI+17+++1J::5'  
GIN+ML+23004:23005'

LIN+++6X2.419.721.L:IN'  
PIA+1+000001:ON+CN001:BB'  
QTY+1:240:PCE'  
RFF+AAU:33:1'  
DTM+171:19991222:102'  
LOC+11+10174::92'

CPS+5++4'

↑ PAC+1+:37+P01208::92'  
PAC+1++110848::92'  
QTY+52:120:PCE'  
PCI+17+++1J::5'  
GIN+ML+23006'

LIN+++6X2.419.721.L:IN'  
PIA+1+000001:ON+CN002:BB'  
QTY+1:120:PCE'  
RFF+AAU:33:2'  
DTM+171:19991222:102'  
LOC+11+10174::92'

**If different lot numbers are contained in one transport unit (or in one handling unit), the SG 11 PAC and the SG 16 LIN must be repeated in the PIA with the second lot number.**  
The total delivery quantity must be divided between **two delivery note items**.

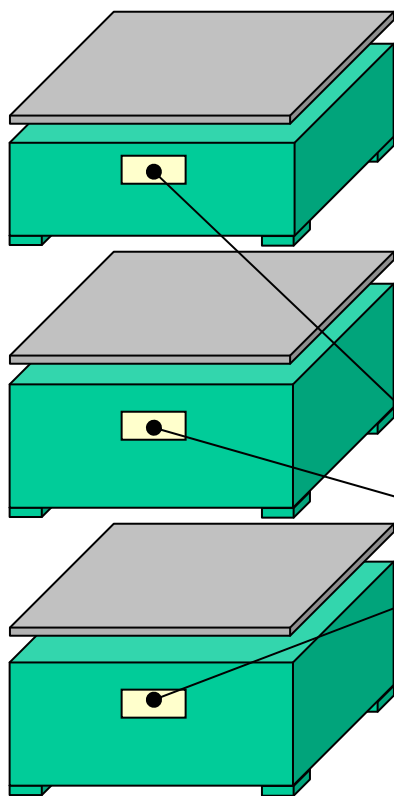
The same procedure should be used for **different order numbers (ET)**.

Note:  
The lot number should be transferred to the PIA segment only if relevant.

Article number  
**.6X2.419.721.R**

packaging  
**1x P01208**  
**1x 111822**  
 quantity p. pack  
**1x 90**

packaging  
**2x P01208**  
**2x 110848**  
 quantity p. pack  
**2x 120**



2d) transport unit:  
 3 simplified handling units GLT  
 different packaging,  
 different quantity p. pack

package identification		
OTL	GTL	package number
S	1J	4001
S	1J	4005
S	1J	4006

CPS+5++4'

↑ PAC+2+:37+**P01208**::92'

↑ PAC+2+++**110848**::92'

QTY+52:**120**:PCE'

PCI+17+++**1J**::5'

GIN+ML+**4005:4006**'

↑ PAC+1+:37+**P01208**::92'

↑ PAC+1+++**111822**::92'

QTY+52:**90**:PCE'

PCI+17+++**1J**::5'

GIN+ML+**4001**'

LIN+++**.6X2.419.721.R**:IN'

QTY+1:**330**:PCE'

RFF+AAU:3:2'

DTM+171:19991222:102'

LOC+11+10174::92'

3a) transport unit:  
2 homogeneous handling units  
pallets, each with 3 insert frames

Article number

.6N1.690.105.M

packaging

2x P01208

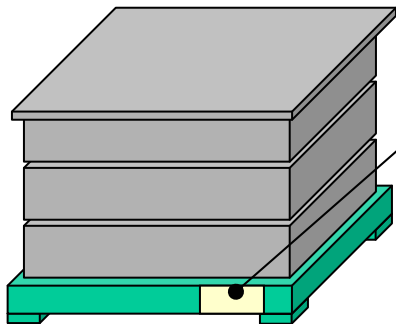
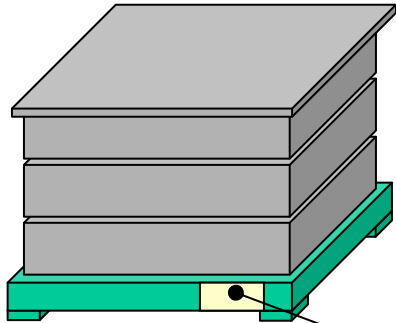
6x 110810

2x DB0011

quantity p. pack

2x 108 oder

6x 36



package identification

OTL	GTL	package number
S	1J	5005
S	1J	5006

CPS+6++4'

PAC+2+:37+P01208::92'

PAC+6+:37+110810::92'

PAC+2++DB0011::92'

QTY+52:108:PCE'

PCI+17+++1J::5'

GIN+ML+5005:5006'

LIN+++6N1.690.105.M:IN'

QTY+1:216:PCE'

RFF+AAU:4:1'

DTM+171:19991222:102'

LOC+11+10174::92'

Packaging 110810 is an aux. frame with a base, e.g. as used for headlights. In the packaging structure, it is to be listed as auxiliary packaging such as a unit load plate. The unit is stored complete by the recipient. In this example, the quantity p. pack (108) and the package numbers are assigned to the two pallets DB0011 with the package numbers 5005:5006. The two handling units 5005 / 5006 are a single transport unit.

3b) transport unit:  
2 homogeneous handling units  
pallets, each with 3 insert frames

Article number  
**.6N1.690.105.M**

packaging

**2x P01208**

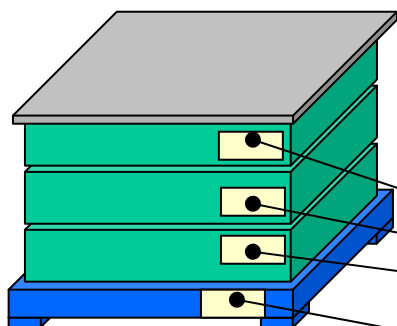
**6x 110810**

**2x DB0011**

quantity p. pack

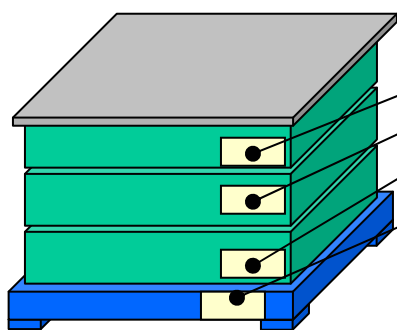
**2x 108 oder**

**6x 36**



package identification

OTL	GTL	package number
S	1J	5501
S	1J	5502
S	1J	5503
M	6J	5005
S	1J	5504
S	1J	5505
S	1J	5506
M	6J	5006



CPS+6++**3'** (*Outer Parent 6*)

PAC+1+:37+**P01208**::92'

PAC+1++**DB0011**::92'

PCI+17+++**6J**::5'

GIN+ML+**5005**'

CPS+8++**3'** (*Outer Parent 8*)

PAC+1+:37+**P01208**::92'

PAC+1++**DB0011**::92'

PCI+17+++**6J**::5'

GIN+ML+**5006**'

CPS+7+6+**1'** (*Inner child of 6*)

PAC+3++**110810**::92'

QTY+52:**36**:PCE'

PCI+17+++**1J**::5'

GIN+ML+**5501:5503**'

CPS+9+8+**1'** (*Inner child of 8*)

PAC+3++**110810**::92'

QTY+52:**36**:PCE'

PCI+17+++**1J**::5'

GIN+ML+**5504:5506**'

LIN+++**.6N1.690.105.M**:IN'

QTY+1:**108**:PCE'

**RFF+AAU:4:1'**

DTM+171:19991222:102'

LOC+11+10174::92'

LIN+++**.6N1.690.105.M**:IN'

QTY+1:**108**:PCE'

**RFF+AAU:4:2'**

DTM+171:19991222:102'

LOC+11+10174::92'

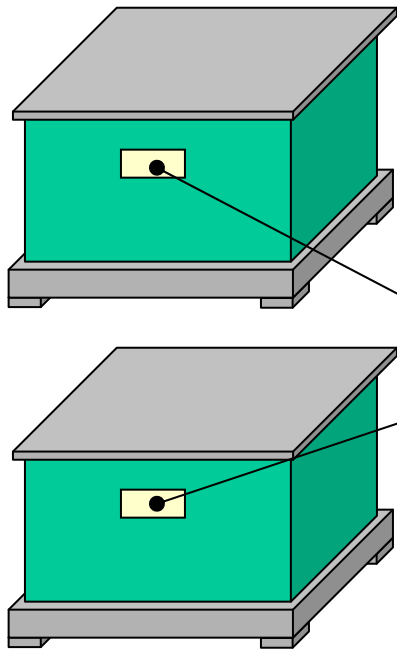
In exceptional circumstances, this type of packaging can be **agreed to** with the material receipts dept. of a factory.

The packaging structure must then be described on the insert frames as a homogeneous handling unit with package numbers (labels). This is necessary if the recipient does not store the handling unit whole, but removes sections for storage.

4) transport unit:  
2 Handling units  
pallets, each with 1 receptacle

Article number  
**.6N1.690.124.A**

packaging  
**2x P01208**  
**2x 2105161**  
**2x DB0011**  
quantity p. pack  
**2x 300**



package identification		
OTL	GTL	package number
S	<b>1J</b>	<b>6005</b>
S	<b>1J</b>	<b>6006</b>

CPS+7++**4**'

PAC+2+:37+**P01208**::92'

PAC+2+:37+**DB0011**::92'

**↑** PAC+**2++2105161**::92'

QTY+52:**300**:PCE'

PCI+17+++**1J**::5'

GIN+ML+**6005:6006**'

LIN+++**.6N1.690.124.A**:IN'

QTY+1:**600**:PCE'

RFF+AAU:5:1'

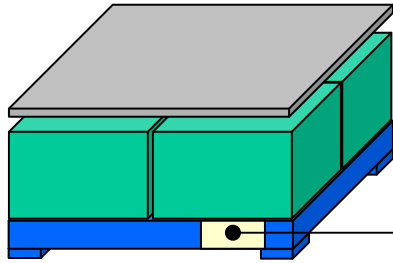
DTM+171:19991222:102'

LOC+11+10174::92'

The main packaging unit here is packaging 2105161 (container) - the package numbers are assigned to it. The pallet is listed as auxiliary packaging.

Article number  
.6N0.959.799.A

packaging  
1x P01208  
4x 006428  
1x DB0011  
quantity p. pack  
4x 25

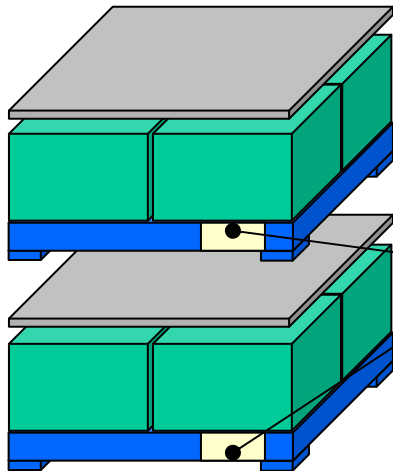


5a) Handling unit:  
homogeneous handling unit  
Inner packaging KLT **without** Label  
same packaging, same quantity p. pack

package identification  
OTL GTL package number  
M 1J 7001

Article number  
.6N0.959.799

packaging  
2x P01208  
8x 006428  
2x DB0011  
quantity p. pack  
8x 20



5b) transport unit:  
2 homogeneous handling units  
homogeneous pallet units  
Inner packaging KLT **without** Label  
same packaging, same quantity p. pack

package identification  
OTL GTL package number  
S 1J 7005  
S 1J 7006

This packaging structure (KLT on loading device) should be described at VW as a homogeneous handling unit on the transfer unit (inner packaging). See example 6a, 6b,7 for correct description.

As an exception, this description must be **agreed** to with the material receipts dept. of a factory

CPS+8++4'

PAC+1+:37+P01208::92'

PAC+4++006428::92'

QTY+52:25:PCE'

PAC+1++DB0011::92'

PCI+17+++1J::5'

GIN+ML+7001'

LIN+++6N0.959.799.A:IN'

QTY+1:100:PCE'

RFF+AAU:6:1'

DTM+171:19991222:102'

LOC+11+10174::92'

CPS+9++4'

PAC+2+:37+P01208::92'

PAC+8++006428::92'

QTY+52:20:PCE'

PAC+2++DB0011::92'

PCI+17+++1J::5'

GIN+ML+7005:7006'

LIN+++6N0.959.799:IN'

QTY+1:160:PCE'

RFF+AAU:6:2'

DTM+171:19991222:102'

LOC+11+10174::92'

CPS+8++4'

PAC+1+:37+P01208::92'

PAC+4+:37+006428::92'

↑ PAC+1++DB0011::92'

QTY+52:100:PCE'

PCI+17+++1J::5'

GIN+ML+7001'

LIN+++6N0.959.799.A:IN'

QTY+1:100:PCE'

RFF+AAU:6:1'

DTM+171:19991222:102'

LOC+11+10174::92'

CPS+9++4'

PAC+2+:37+P01208::92'

PAC+8+:37+006428::92'

↑ PAC+2++DB0011::92'

QTY+52:80:PCE'

PCI+17+++1J::5'

GIN+ML+7005:7006'

LIN+++6N0.959.799:IN'

QTY+1:160:PCE'

RFF+AAU:6:2'

DTM+171:19991222:102'

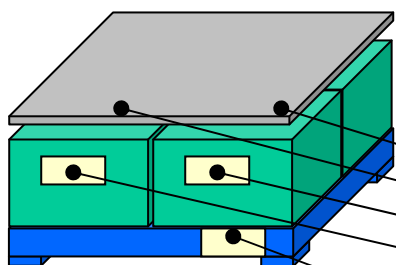
LOC+11+10174::92'

*Not allowed by Od.*

*Not allowed by VW*

Article number  
**.6N1.690.105.M**

packaging  
 1x P01208  
 4x 006428  
 1x DB0011  
 quantity p. pack  
 4x 108

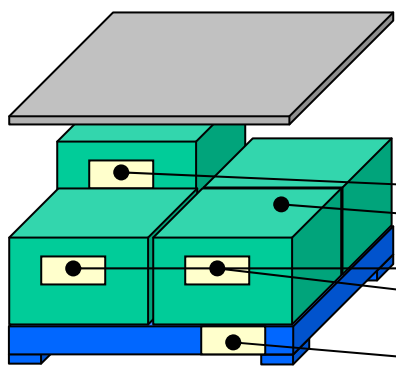


6a) Handling unit:  
 homogeneous handling unit  
 Inner packaging KLT **with** Label  
 same packaging, same quantity p. pack

package identification		
OTL	GTL	package number
S	1J	8005
S	1J	8006
S	1J	8007
S	1J	8008
M	6J	8102

Article number  
**.6N1.690.105.J**

packaging  
 1x P01208  
 4x 006428  
 1x DB0011  
 quantity p. pack  
 3x 108  
 1x 96



6b) Handling unit:  
 homogeneous handling unit  
 Inner packaging KLT **with** Label  
 same packaging, different quantity p. pack

package identification		
OTL	GTL	package number
S	1J	8001
S	1J	8002
S	1J	8003
S	1J	8004
M	6J	8011

CPS+10++3'

↓ PAC+1+:37+P01208::92'  
 ↓ PAC+1++DB0011::92'  
 ↓ PCI+17+++6J::5'  
 ↓ GIN+ML+8102'

CPS+11+10+1'

↑ PAC+4++006428::92'  
 ↑ QTY+52:108:PCE'  
 ↑ PCI+17+++1J::5'  
 ↑ GIN+ML+8005:8008'

LIN+++6N1.690.105.M:IN'  
 QTY+1:432:PCE'  
 RFF+AAU:7:1'  
 DTM+171:19991222:102'  
 LOC+11+10174::92'

CPS+12++3'

↓ PAC+1+:37+P01208::92'  
 ↓ PAC+1++DB0011::92'  
 ↓ PCI+17+++6J::5'  
 ↓ GIN+ML+8011'

CPS+13+12+1'

↑ PAC+1++006428::92'  
 ↑ QTY+52:96:PCE'  
 ↑ PCI+17+++1J::5'  
 ↑ GIN+ML+8001'

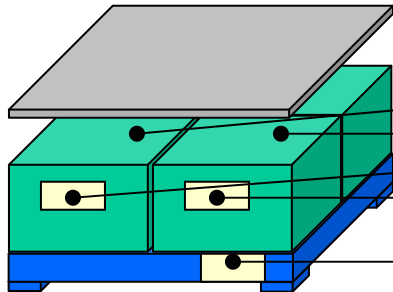
↑ PAC+3++006428::92'  
 ↑ QTY+52:108:PCE'  
 ↑ PCI+17+++1J::5'  
 ↑ GIN+ML+8002:8004'

LIN+++6N1.690.105.J:IN'  
 QTY+1:420:PCE'  
 RFF+AAU:7:2'  
 DTM+171:19991222:102'  
 LOC+11+10174::92'

Article number  
**.6N1.690.105.a**

packaging  
**2x P01208**  
**4x 006428**  
**2x DB0011**

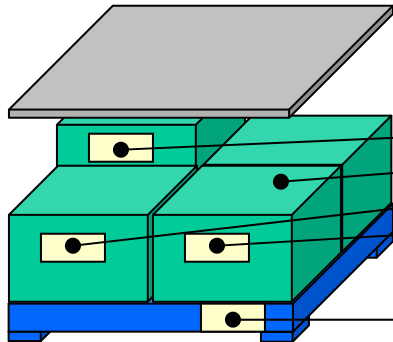
quantity p. pack  
**4x 120**



package identification  
 OTL GTL package number

S	1J	9001
S	1J	9002
S	1J	9003
S	1J	9004
M	6J	9101

quantity p. pack  
**3x 120**  
**1x 50**



S	1J	9005
S	1J	9006
S	1J	9007
S	1J	9008
M	6J	9102

CPS+15++3' (Outer Parent 15)

↓  
 PAC+1+:37+P01208::92'  
 PAC+1++DB0011::92'  
 PCI+17+++6J::5'  
 GIN+ML+9101'

CPS+16+15+1' (Inner Child of 15)

↑  
 PAC+4++006428::92'  
 QTY+52:120:PCE'  
 PCI+17+++1J::5'  
 GIN+ML+9001:9004'

LIN+++6N1.690.105.A:IN'  
 QTY+1:480:PCE'  
 RFF+AAU:8:2'  
 DTM+171:19991222:102'  
 LOC+11+10174::92'

CPS+17++3' (Outer Parent 17)

↓  
 PAC+1+:37+P01208::92'  
 PAC+1++DB0011::92'  
 PCI+17+++6J::5'  
 GIN+ML+9102'

CPS+18+17+1' (Inner Child of 17)

↑  
 PAC+3++006428::92'  
 QTY+52:120:PCE'  
 PCI+17+++1J::5'  
 GIN+ML+9006:9008'

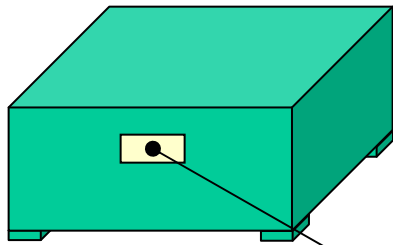
↑  
 PAC+1++006428::92'  
 QTY+52:50:PCE'  
 PCI+17+++1J::5'  
 GIN+ML+9005'

LIN+++6N1.690.105.A:IN'  
 QTY+1:410:PCE'  
 RFF+AAU:8:1'  
 DTM+171:19991222:102'  
 LOC+11+10174::92'

The description of the packages as one transport unit is not permitted in the VW-DESADV.  
 Two separate handling units must be described.  
 The whole delivery quantity is divided between 2 delivery note items (RFF+AAU).

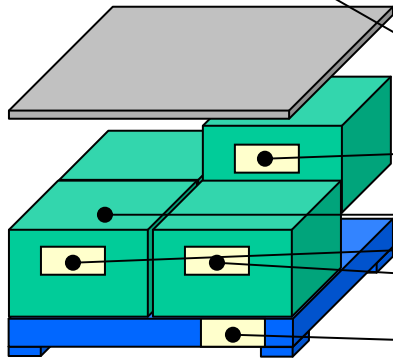
Article number  
**.6X0.880.221**

packaging  
**1x 110848**  
 quantity p. pack  
**1x 100**



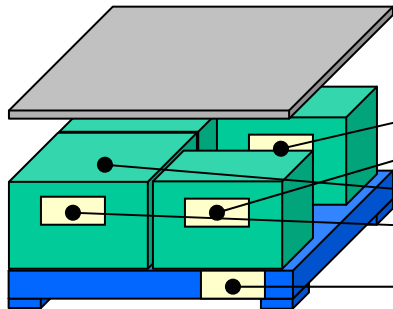
8) transport unit :  
 3 homogeneous handling units,  
 2 homogeneous pallet units and 1  
 GLT  
 different packaging, different quantity p. pack

packaging  
**1x P01208**  
**4x 006428**  
**1x DB0011**  
 quantity p. pack  
**4x 30**



package identification		
OTL	GTL	package number
S	1J	10089
S	1J	10001
S	1J	10011
S	1J	10012
S	1J	10013
M	6J	10051

packaging  
**1x P01208**  
**2x 006428**  
**2x 004328**  
**1x DB0011**  
 quantity p. pack  
**2x 30**  
 quantity p. pack  
**2x 25**



S	1J	10021
S	1J	10022
S	1J	10014
S	1J	10015
M	6J	10052

CPS+20++4'

CPS+21++3'

CPS+23++3'

↑ PAC+1++110848::92'  
 QTY+52:100:PCE'  
 PCI+17+++1J::5'

↓ PAC+1+:37+P01208::92'  
 ↓ PAC+1++DB0011::92'  
 PCI+17+++6J::5'  
 GIN+ML+10051'

↓ PAC+1+:37+P01208::92'  
 ↓ PAC+1++DB0011::92'  
 PCI+17+++6J::5'  
 GIN+ML+10052'

GIN+ML+10089'

CPS+22+21+1'

CPS+24+23+1'

LIN+++6X0.880.221:IN'  
 QTY+1:100:PCE'  
 RFF+AAU:9:3'  
 DTM+171:19991222:102'  
 LOC+11+10174::92'

↑ PAC+4++006428::92'  
 QTY+52:30:PCE'  
 PCI+17+++1J::5'  
 GIN+ML+10001+10011:10013'

↑ PAC+2++006428::92'  
 QTY+52:30:PCE'  
 PCI+17+++1J::5'  
 GIN+ML+10014:10015'

LIN+++6X0.880.221:IN'  
 QTY+1:120:PCE'  
 RFF+AAU:9:2'  
 DTM+171:19991222:102'  
 LOC+11+10174::92'

↑ PAC+2++004328::92'  
 QTY+52:25:PCE'  
 PCI+17+++1J::5'  
 GIN+ML+10021:10022'  
 LIN+++6X0.880.221:IN'  
 QTY+1:110:PCE'  
 RFF+AAU:9:1'  
 DTM+171:19991222:102'  
 LOC+11+10174::92'

*In this description, the whole delivery quantity of the article is divided between three delivery note items.*

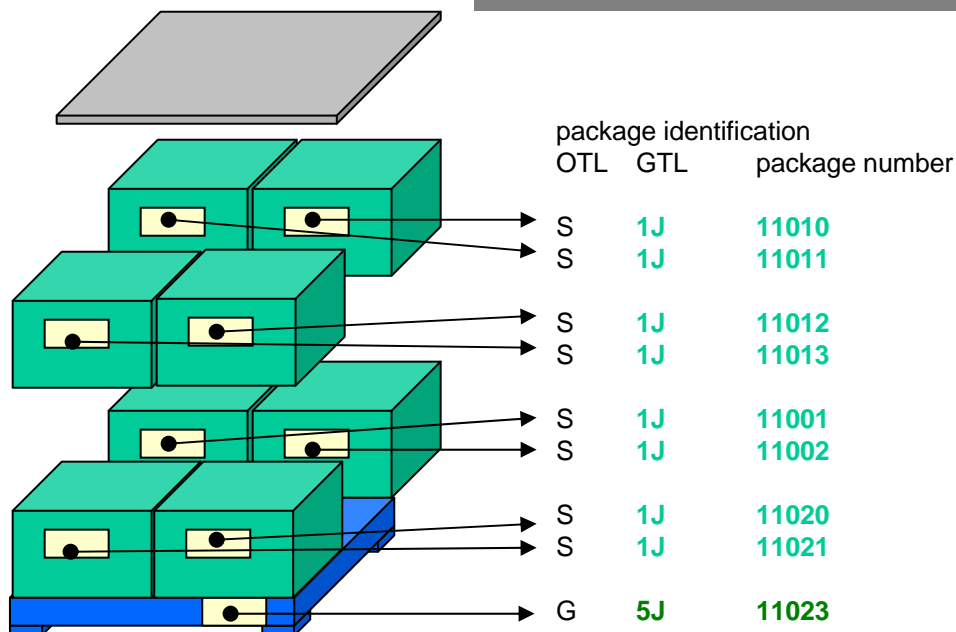
*Each pallet has a CPS segment for the external packing. Different external packing in one transport unit should be avoided where possible!!*

packaging  
**1x P01208**  
**1x DB0011**

Article number.  
**.6N1.858.569.B**  
 packaging  
**4x 006428**  
 quantity p. pack  
**2x 30**  
**2x 20**

Article number.  
**.6N1.858.569.A**  
 packaging  
**2x 006428**  
 quantity p. pack  
**1x 40**  
**1x 20**

Article number  
**.6N2.858.278**  
 packaging  
**2x 006428**  
 quantity p. pack  
**2x 40**



9a) Handling unit:  
 Mixed handling unit  
 3 different articles, same packaging

CPS+26++3'

↓ PAC+1+:37+**P01208**::92'  
 PAC+1+++**DB0011**::92'  
 PCI+17+++**5J**::5'  
 GIN+ML+**11023**'

CPS+27+26+1'

↑ PAC+**2**++**006428**::92'  
 QTY+52:**30**:PCE'  
 PCI+17+++**1J**::5'  
 GIN+ML+**11010:11011**'  
 ↑ PAC+**2**++**006428**::92'  
 QTY+52:**20**:PCE'  
 PCI+17+++**1J**::5'  
 GIN+ML+**11012:11013**'

LIN+++**.6N1.858.569.B**:IN'  
 QTY+1:**100**:PCE'  
 RFF+AAU:12:3'  
 DTM+171:19991222:102'  
 LOC+11+10174::92'

→ CPS+28+26+1'

↑ PAC+**1**++**006428**::92'  
 QTY+52:**40**:PCE'  
 PCI+17+++**1J**::5'  
 GIN+ML+**11001**'  
 ↑ PAC+**1**++**006428**::92'  
 QTY+52:**20**:PCE'  
 PCI+17+++**1J**::5'  
 GIN+ML+**11002**'  
 LIN+++**.6N1.858.569.A**:IN'  
 QTY+1:**60**:PCE'  
 RFF+AAU:12:2'  
 DTM+171:19991222:102'  
 LOC+11+10174::92'

→ CPS+29+26+1'

↑ PAC+**2**++**006428**::92'  
 QTY+52:**40**:PCE'  
 PCI+17+++**1J**::5'  
 GIN+ML+**11020:11021**'  
 LIN+++**.6N2.858.278**:IN'  
 QTY+1:**80**:PCE'  
 RFF+AAU:12:1'  
 DTM+171:19991222:102'  
 LOC+11+10174::92'

*All articles in a mixed handling unit should be entered using the same delivery note number when possible.*

packaging  
1x P01208  
**1x E00008 (padding)**  
1x DB0011

Article number  
.6N1.858.569.B

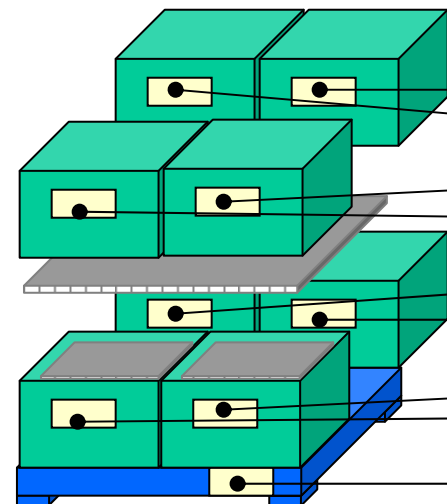
packaging  
4x 006428  
quantity p. pack  
2x 30  
2x 20

Article number  
.6N1.858.569.A

packaging  
2x 006428  
quantity p. pack  
1x 40  
1x 20

Article number  
.6N2.858.278

Packmittel  
**2x FE6428 (Mould padding)**  
2x 006428  
quantity p. pack  
2x 40



9b) Handling unit:  
Mixed handling unit with paddings  
(packaging aids)  
3 different articles, same packaging

package identification  
OTL GTL package number

S	1J	11010
S	1J	11011
S	1J	11012
S	1J	11013
S	1J	11001
S	1J	11002
S	1J	11020
S	1J	11021
G	6J	11023

CPS+26++3'

PAC+1+:37+P01208::92'  
**PAC+1+:37+E00008::92'**  
PAC+1++DB0011::92'  
PCI+17+++6J::5'  
GIN+ML+11023'

CPS+27+26+1'

PAC+2++006428::92'  
QTY+52:30:PCE'  
PCI+17+++1J::5'  
GIN+ML+11010:11011'  
PAC+2++006428::92'  
QTY+52:20:PCE'  
PCI+17+++1J::5'  
GIN+ML+11012:11013'

LIN+++ .6N1.858.569.B:IN'  
QTY+1:100:PCE'  
RFF+AAU:12:3'  
DTM+171:19991222:102'  
LOC+159+10174::92'

CPS+28+26+1'

PAC+1++006428::92'  
QTY+52:40:PCE'  
PCI+17+++1J::5'  
GIN+ML+11001'  
PAC+1++006428::92'  
QTY+52:20:PCE'  
PCI+17+++1J::5'  
GIN+ML+11002'

LIN+++ .6N1.858.569.A:IN'  
QTY+1:60:PCE'  
RFF+AAU:12:2'  
DTM+171:19991222:102'  
LOC+159+10174::92'

CPS+29+26+1'

**PAC+2+:37+FE6428::92'**  
PAC+2++006428::92'  
QTY+52:40:PCE'  
PCI+17+++1J::5'  
GIN+ML+11020:11021'

LIN+++ .6N2.858.278:IN'  
QTY+1:80:PCE'  
RFF+AAU:12:1'  
DTM+171:19991222:102'  
LOC+159+10174::92'

10) Handling unit:  
GLT with co-pack (mixed load)

packaging

1x 110848

Article number

.6X0.880.221.AC

packaging

1x 0004SON

quantity p. pack

1x 50

Article number

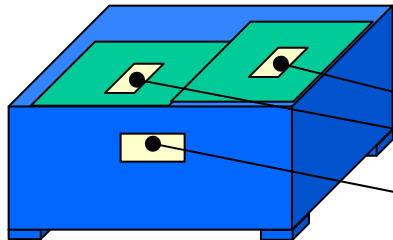
.6X0.880.221.BQ

packaging

1x 0004SON

quantity p. pack

1x 50



package identification

OTL	GTL	package number
S	1J	14003
S	1J	14009
G	5J	14025

CPS+39+++3'



PAC+1+++110848::92'

PCI+17+++5J::5'

GIN+ML+14025'

CPS+40+39+1'



PAC+1+++0004SON::92'

QTY+52:50:PCE'

PCI+17+++1J::5'

GIN+ML+14003'

LIN+++6X0.880.221.AC:IN'

QTY+1:50:PCE'

RFF+AAU:16:1'

DTM+171:19991222:102'

LOC+11+10174::92'

CPS+41+39+1'

PAC+1+++0004SON::92'

QTY+52:50:PCE'

PCI+17+++1J::5'

GIN+ML+14009'

LIN+++6X0.880.221.BQ:IN'

QTY+1:50:PCE'

RFF+AAU:16:2'

DTM+171:19991222:102'

LOC+11+10174::92'

packaging

1x P01208, 1x Z01208, 1x DB0011

Article number.: .6N0.990.054

packaging : 3x 006428

quantity p. pack : 2x 30, 1x 20

packaging

1x 006428

Article number

.6N0.990.054

packaging

1x 0000LOS

quantity p. pack

1x20

Article number

.1C0.941.531

packaging

1x 0000SCH

quantity p. pack

1x 60

**Co-pack**

Article number.

.6N0.990.054.A

packaging

4x 006428

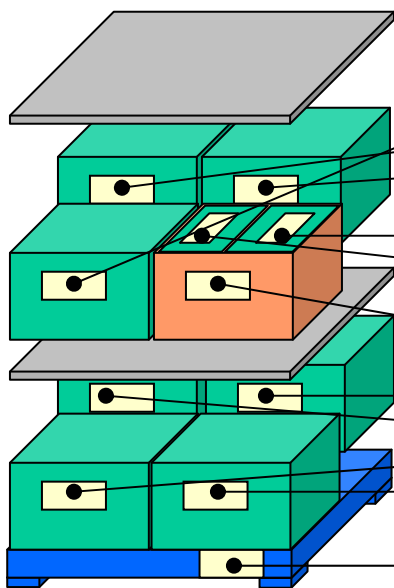
quantity p. pack

3x 40, 1x 20

11) Handling unit:

Mixed handling unit  
with co-pack in KLT

3 different articles, different packaging



package identification

OTL	GTL	package number	
S	1J	12001	
S	1J	12002	
S	1J	12007	
S	1J	12111	
S	1J	12112	Co-pack
S	5J	12113	!!!
S	1J	12009	
S	1J	12010	
S	1J	12011	
S	1J	12012	
G	5J	12020	

CPS+30++3'

PAC+1+:37+P01208::92'

PAC+1+:37+Z01208::92'

PAC+1++DB0011::92'

PCI+17+++5J::5'

GIN+ML+12020'

CPS+35+30+1'

PAC+3++006428::92'

QTY+52:40:PCE'

PCI+17+++1J::5'

GIN+ML+12009:12011'

PAC+1++006428::92'

QTY+52:20:PCE'

PCI+17+++1J::5'

GIN+ML+12012'

LIN+++ .6N0.990.054.A:IN'

QTY+1:140:PCE'

RFF+AAU:13:3'

DTM+171:19991222:102'

LOC+11+10174::92'

CPS+31+30+1'

PAC+2++006428::92'

QTY+52:30:PCE'

PCI+17+++1J::5'

GIN+ML+12001:12002'

PAC+1++006428::92'

QTY+52:20:PCE'

PCI+17+++1J::5'

GIN+ML+12007'

LIN+++ .6N0.990.054:IN'

QTY+1:80:PCE'

RFF+AAU:13:1'

DTM+171:19991222:102'

LOC+11+10174::92'

CPS+32+30+2'

PAC+1++006428::92'

PCI+17+++5J::5'

GIN+ML+12113'

**Intermediate level**

CPS+33+32+1'

PAC+1++0000LOS::92'

QTY+52:20:PCE'

PCI+17+++1J::5'

GIN+ML+12111'

LIN+++ .6N0.990.054:IN'

QTY+1:20:PCE'

RFF+AAU:13:2'

DTM+171:19991222:102'

LOC+11+10174::92'

CPS+34+32+1'

PAC+1++0000SCH::92'

QTY+52:60:PCE'

PCI+17+++ :5'

GIN+ML+ ' '

LIN+++ .1C0.941.531:IN'

QTY+1:60:PCE'

RFF+AAU:13:4'

DTM+171:19991222:102'

LOC+11+10174::92'

**Co-pack**

Notes on next page.

11) Handling unit:  
Mixed handling unit with Co-pack in  
KLT  
3 different articles, different packaging

A co-pack refers to an article without its own inner packaging (loose, plastic bag, box) placed in packaging with another article. The Co-pack should be avoided and is encountered rarely.

In this example, handling unit 12020 contains two different articles in a total of 8 KLTs. A third article is added to KLT 12113. The two articles are packed individually in boxes. The co-pack in a mixed handling unit is to be described in a three-stage packaging hierarchy - an intermediate level is to be included in the CPS structure.

The intermediate level in the CPS segment is to be coded with "2". "5J" is to be entered as package identification in the PCI segment and on the label.

All articles in a mixed handling unit should be entered using the same delivery note number if possible. An article number should be listed in a delivery note item.

**Because of the co-pack structure, article number “ 6N0 990 054“ has to be described in various packaging levels with its own LIN segment, the delivery quantity has to be spilt and divided between two delivery note items.**

packaging  
1x P01208, 1x Z01208, 1x DB0011

Article number.: .6N0.990.054

packaging : 2x 006428  
quantity p. pack : 2x 30

12) Handling unit:  
Mixed handling unit with  
2x Co-pack in KLT  
different articles, different packaging

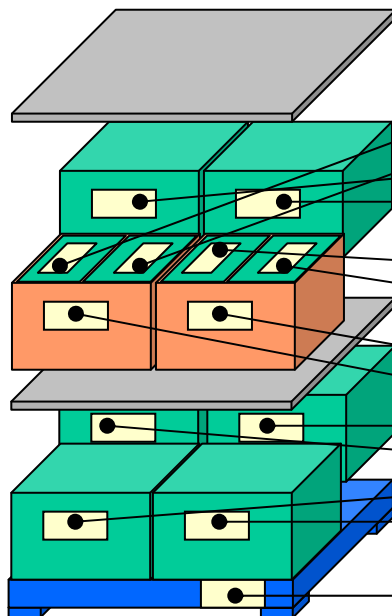
packaging  
1x 006428  
Article number  
.6N0.990.054  
packaging  
1x 0000LOS  
quantity p. pack  
1x20

Article number  
.1C0.941.531  
packaging  
1x 0000SCH  
quantity p. pack  
1x 60 **Co-pack 1**

packaging  
1x 006428  
Article number  
.6N0.990.054  
packaging  
1x 0000LOS  
quantity p. pack  
1x20

Article number  
.1C0.941.555  
packaging  
1x 0000SCH  
quantity p. pack  
1x 60 **Co-pack 2**

Article number.  
.6N0.990.054.A  
packaging  
4x 006428  
quantity p. pack  
4x 40



package identification		
OTL	GTL	Packstücknummer
S	1J	12000
S	1J	12001
S	1J	12002
S	1J	12007
S	1J	12111
S	1J	12112
S	5J	12113
S	5J	12114
S	1J	12009
S	1J	12010
S	1J	12011
S	1J	12012
G	5J	12020

CPS+1++3'

PAC+1+:37+P01208::92'  
PAC+1+:37+Z01208::92'  
PAC+1++DB0011::92'  
PCI+17+++5J::10'  
GIN+ML+12020'

CPS+3+1+2'

PAC+1++006428::92'  
PCI+17+++5J::10'  
GIN+ML+12113'  
**Intermediate level**

CPS+6+1+2'

PAC+1++006428::92'  
PCI+17+++5J::10'  
GIN+ML+12114'  
**Intermediate level**

CPS+8+1+1'

PAC+4++006428::92'  
QTY+52:40:PCE'  
PCI+17+++1J::10'  
GIN+ML+12009:12012'

CPS+2+1+1'

PAC+2++006428::92'  
QTY+52:30:PCE'  
PCI+17+++1J::10'  
GIN+ML+12002+12007'

CPS+4+3+1'

PAC+1++0000LOS::92'  
QTY+52:20:PCE'  
PCI+17+++1J::10'  
GIN+ML+12111'

CPS+7+6+1'

PAC+1++0000LOS::92'  
QTY+52:20:PCE'  
PCI+17+++1J::10'  
GIN+ML+12001'

LIN+++ .6N0.990.054.A:IN'  
QTY+1:160:PCE'  
RFF+AAU:19:6'

LIN+++ .6N0.990.054:IN'  
QTY+1:60:PCE'  
RFF+AAU:19:1'

LIN+++ .6N0.990.054:IN'  
QTY+1:20:PCE'  
RFF+AAU:19:2'

LIN+++ .6N0.990.054:IN'  
QTY+1:20:PCE'  
RFF+AAU:19:4'

CPS+5+3+1'  
PAC+1++0000SCH::92'  
QTY+52:60:PCE'  
PCI+17+++5J::10'  
GIN+ML+  
  
LIN+++ .1C0.941.531 D:IN'  
QTY+1:60:PCE'  
RFF+AAU:19:3'  
**Co-pack 1**

CPS+7+6+1'  
PAC+1++0000SCH::92'  
QTY+52:60:PCE'  
PCI+17+++5J::10'  
GIN+ML+  
  
LIN+++ .1C0.941.531 A:IN'  
QTY+1:60:PCE'  
RFF+AAU:19:5'  
**Co-pack 2**

12) Handling unit:  
Mixed handling unit with  
2x Co-pack in KLT  
different articles, different packaging

A co-pack refers to an article without its own inner packaging (loose, plastic bag, box without intrinsic value) placed in packaging with another article. The Co-pack should be avoided and is encountered rarely.

In this example, handling unit 12020 contains four different articles in a total of 8 KLTs. An article is added to two KLTs 12113 / 12114. A third article is added to KLT 12113. The two articles are packed individually in boxes. The co-pack in a mixed handling unit is to be described in a three-stage packaging hierarchy - an intermediate level is to be included in the CPS structure.

The intermediate level in the CPS segment is to be coded with "2". "5J" is to be entered as package identification in the PCI segment and on the label.

All articles in a mixed handling unit should be entered using the same delivery note number if possible. An article number should be listed in a delivery note item.

**Because of the co-pack structure, article number “ 6N0 990 054“ has to be described in various packaging levels with its own LIN segment, the delivery quantity has to be spilt and divided between two delivery note items.**

13) Handling unit:  
Mixed handling unit with empty  
receptacles  
for layer stabilization

packaging

- 1x P01208
- 2x 006428 (leer)
- 1x Z01208
- 1x DB0011

Article number.:

.6N3.858.569.A

packaging

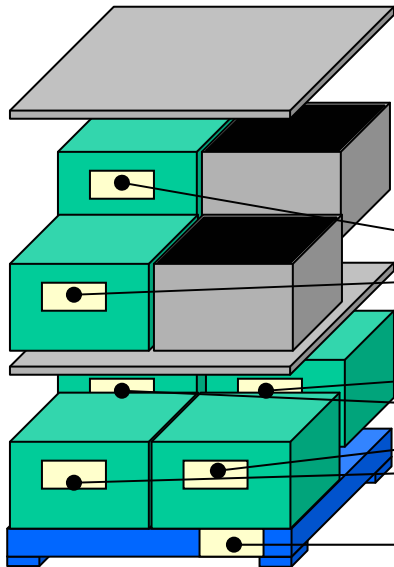
- 2x 006428
- quantity p. pack
- 2x 30

Article number.

.6N2.858.569.A

packaging

- 4x 006428
- quantity p. pack
- 4x 40



package identification

OTL GTL package number

S	1J	13001
S	1J	13002
S	1J	13009
S	1J	13010
S	1J	13011
S	1J	13014
G	5J	13055

CPS+36++3'

PAC+1+:37+P01208::92'

PAC+1+:37+Z01208::92'

PAC+2+:37+006428::92'

PAC+1++DB0011::92'

PCI+17+++5J::5'

GIN+ML+13055'

<<< The empty receptacles are designated as auxiliary packaging and assigned to external packaging.

CPS+37+36+1'

PAC+2++006428::92'

QTY+52:30:PCE'

PCI+17+++1J::5'

GIN+ML+13001:13002'

LIN+++6N3.858.569.A:IN'

QTY+1:60:PCE'

RFF+AAU:15:1'

DTM+171:19991222:102'

LOC+11+10174::92'

CPS+38+36+1'

PAC+4++006428::92'

QTY+52:40:PCE'

PCI+17+++1J::5'

GIN+ML+13009:13011+13014'

LIN+++6N2.858.569.A:IN'

QTY+1:160:PCE'

RFF+AAU:15:2'

DTM+171:19991222:102'

LOC+11+10174::92'

packaging  
 1x P01208  
 4x 006428  
 1x DB0011  
 quantity p.  
 pack  
 4x 100

Article number  
 .6N1.690.105.X

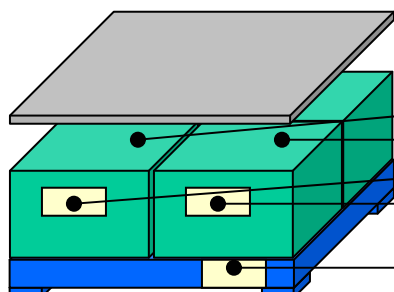
packaging  
 1x P01208  
 4x 006428  
 1x DB0011

quantity p.  
 pack  
 2x 100  
 1x 50

Article number  
 .6N1.690.105.X

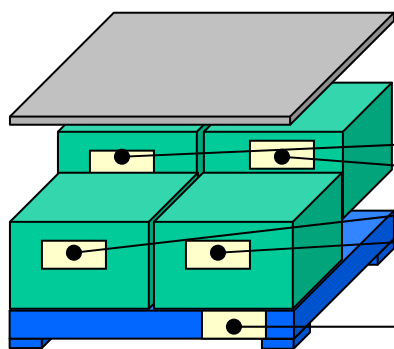
quantity p.  
 pack  
 1x 200

Article number  
 .6N1.690.110.Y



package identification  
 OTL GTL package number

S	1J	19001
S	1J	19002
S	1J	19003
S	1J	19004
M	6J	19101



S	1J	19005
S	1J	19006
S	1J	19007
S	1J	19008
G	5J	19102

CPS+50++3'

CPS+52++3'

↓ PAC+1+:37+P01208::92'  
 ↓ PAC+1++DB0011::92'  
 ↓ PCI+17+++6J::5'  
 ↓ GIN+ML+19101'

↓ PAC+1+:37+P01208::92'  
 ↓ PAC+1++DB0011::92'  
 ↓ PCI+17+++5J::5'  
 ↓ GIN+ML+19102'

CPS+51+50+1'

CPS+53+52+1'

↑ PAC+4++006428::92'  
 ↑ QTY+52:100:PCE'  
 ↑ PCI+17+++1J::5'  
 ↑ GIN+ML+19001:19004'

↑ PAC+2++006428::92'  
 ↑ QTY+52:100:PCE'  
 ↑ PCI+17+++1J::5'  
 ↑ GIN+ML+19006:19007'

LIN+++ .6N1.690.105.X:IN'  
 QTY+1:400:PCE'  
 RFF+AAU:18:1'  
 DTM+171:19991222:102'  
 LOC+11+10174::92'

↑ PAC+1++006428::92'  
 ↑ QTY+52:50:PCE'  
 ↑ PCI+17+++1J::5'  
 ↑ GIN+ML+19005'  
 LIN+++ .6N1.690.105.X:IN'  
 QTY+1:250:PCE'  
 RFF+AAU:18:2'  
 DTM+171:19991222:102'  
 LOC+11+10174::92'

→ CPS+54+52+1'  
 ↑ PAC+1++006428::92'  
 ↑ QTY+52:200:PCE'  
 ↑ PCI+17+++1J::5'  
 ↑ GIN+ML+19008'  
 LIN+++ .6N1.690.110.Y:IN'  
 QTY+1:200:PCE'  
 RFF+AAU:19:1'  
 DTM+171:19991222:102'  
 LOC+11+10174::92'

In this description, the delivery quantity of article .6N1.690.105.X is split between two delivery note items with two individual quantities. Each pallet has one CPS segment for the external packaging.