

Content

Regulation for the structuring of the EDI Advanced Shipping Note VDA 4913

Regulation and Rules	Page 2
Package examples	Page 6
0	Representation and symbols
1a	Simplified Handling Unit KLT
1b	Simplified Handling Unit GLT
1c	Simplified Handling Unit GLT with padding
2a	Transport unit: 3 simplified handling units GLT, same packaging, same quantity p. pack
2b	Transport unit: 3 simplified handling units GLT, same packaging, different quantities p. pack
2c	Transport unit: 3 simplified handling units GLT, same packaging, same quantity p. pack, different lots
2d	Transport unit: 3 simplified handling units GLT, different packaging, different quantities p. pack
3a	Transport unit: 2 handling units, pallets with 3 insert frames
3b	Transport unit: 2 handling units homogen load, pallets with 3 insert frames
4	Transport unit: 2 handling units, pallets each with 1 receptacle
5a	Handling unit: homogeneous stacked unit pack with inner packaging KLT without Label, same packaging, same quantity p. pack
5b	Transport unit: 2 homogeneous handling units, homogeneous stacked unit packs, inner packaging KLT without Label, same packaging, same quantity p. pack
6a	Handling unit: homogeneous stacked unit pack with inner packaging KLT with Label, same packaging, same quantity p. pack
6b	Handling unit: homogeneous stacked unit pack with inner packaging KLT with Label, same packaging, different quantities p. pack
7	Transport unit: 2 homogeneous handling units, 2 stacked unit packs with same packaging, different quantities p. pack
8	Transport unit: 2 homogeneous handling units, 2 stacked unit packs (hom. load) and 1 GLT, same packaging, different quantities p. pack
9a	Handling unit: mixed stacked unit pack (mixed load), 3 different articles, same packagings
9b	Handling unit: mixed stacked unit pack (mixed load) with paddings (packaging aids), 3 different articles, same packagings
10	Handling unit: GLT with co-pack (mixed load)
11	Handling unit: mixed stacked unit pack (mixed load) with co-pack in KLT, different articles, different packagings
12	Handling unit: mixed stacked unit pack (mixed load) with 2 x co-pack in KLTs, different articles, different packagings
13	Handling unit: mixed stacked unit pack (mixed load) with empty receptacles for layer stabilization
14	Transport unit: 2 handling units, 1 homogen stacked unit pack, 1 mixed stacked unit pack (mixed load) with article from homogen stacked unit pack

Regulations for the structuring of EDI delivery note data according to VDA 4913

These regulations apply to the structuring of EDI shipping note data (ASN) according to VDA 4913 for the description of packaging structures.

The structuring of EDI shipping note data (ASN) according to EDIFACT DESADV is described in a separate guide.

A separate guide has also been produced for creation of labels corresponding to EDI shipping note data. To achieve the following objectives all parties must follow and observe these structuring regulations for VDA 4913:

- computer processed comparison of target and actual in controlled collection in the AMES-T process,
- reduction of control effort and manual handling in goods-in,
- simplification of registering and identifying all delivery units in handling units (principle of one document only),
- computer-processed comparison of shipping 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 handling unit list is used to assign a Unit Pack ID for structured stacked unit packs (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 (ASNs) 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 / stacked unit packs). This makes the package serial number especially important in the structuring of the stacked unit packs. The goods in system can call up all packages in a handling unit by reading the package serial number on the main transport label (M- or G- 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 handling unit, can be identified as belonging together. For our goods-in system to make this identification, the EDI delivery note must indicate the packages belonging to the handling unit, also using record sequence 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 (stacked unit pack), if possible, and not be spread out over several handling units. 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 number from - to' in SA 715 must not be used to cover more than one stacked unit pack!

The EDI shipping list or transport and shipment documents may also indicate the contents of a handling unit with record sequence structures, but this is not obligatory. 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 VDA 4913:

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 identifier 'S'.
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 VDA 4913, record type 715, position 13, location 12. Package identifiers are:
 - G (5J) = mixed handling unit / mixed pallet / mixed stacked unit pack,
 - M (6J) = homogenous handling unit / (master) stacked unit pack,
 - S (1J) = packages with no subpackaging (delivery units in stacked unit pack, simplified handling 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. As already stated above, the package identifiers in location 125 of the Despatch Advice VDA 4913 and in front of the package serial number in field 15 of the Transport Label VDA 4902-3 have to be identical. If the GTL is used only the first position of the qualifier (6, 5, 1) can be entered as package identifier in VDA 4913, record type 715, position 13, location 125.
7. Stacked unit packs have to have a master transport label attached, carrying either the identifier "M" or "G". The handling unit's master transport label carries the handling unit's package serial number. It is formed by an additional packing aid record for the packing aid carrier in the VDA 4913.
8. The handling unit's package serial number must not be assigned before the handling unit has been composed (at the time of dispatch).
9. An additional record 715 comes before the handling unit's delivery units and identifies the packing aid carrier / carrier pallet with the package serial number, the package identifier and the packing aid type.
10. No package serial number is assigned to auxiliary packing aids (lids, frames, paddings). Auxiliary packing aids do not require a transport label.
11. Auxiliary packing aids are listed in an additional record 715 without a package serial number. The auxiliary packing aid records may be placed anywhere within the handling unit structure after the carrier pallet.
12. Empty small parts containers used to make up or stabilise a stacking layer in a handling unit should be treated as auxiliary packing aids.
13. When production material is shipped in the form of predetermined parts sets, special agreements may apply.
14. If a shipment contains identical article numbers both in a stacked unit pack and in a simplified handling unit e.g. GLT, the quantity delivered in the GLT is only identified by the change in packing aid type. For this reason **simplified handling units** must always come **before stacked unit packs** in the record sequence when identical article numbers occur under one delivery note number.
15. All delivery units in a mixed stacked unit pack must be entered in the VDA 4913 as a connected sequence of records.

In the VDA 4913 format, to make it possible to tell which handling unit (outer packaging) a delivery unit (number) belongs to and to identify simplified handling units (individual packages), the following system (testing logic) must be adhered to in the preparation of package structures in record type 715.

1. Representation of simplified handling units (individual packages), identifier = 'S' (or 1J or 1)

Individual packages are packages without subpackaging.

- Record 715 for master packing aid contains:
 - the package identifier 'S',
 - the number of containers > 0,
 - the quantity per packing aid,
 - an unambiguous package serial number (for each packing aid)
- Record repetition: in the case of more than one package containing the same article number a new record 715 must be created for the packing aid if
 - the packing aid type changes or
 - the quantity is different or
 - the package serial number sequence is interrupted.
- Record 715 for auxiliary packing aids contains:
 - no package identifier,
 - the number of auxiliary packing aids per type > 0,
 - the quantity = 0,
 - no package serial number.

2. Representation of homogenous stacked unit packs (master load), identifier = 'M' (or 6J or 6)

Homogenous handling units consist of the outer packaging = a packing aid carrier (e.g. carrier pallet), the delivery units (inner packaging) = loading equipment (e.g. small parts containers) with the same content (article numbers) and may contain auxiliary packing aids (e.g. lids, layers, paddings).

Each master handling unit must be represented individually.

- The first record 715 of a stacked unit pack describes the packing aid carrier and contains:
 - the package identifier 'M',
 - the number of packing aids = 1,
 - the quantity = 0 or the 'quantity' of the handling unit (= total of the quantities of all delivery units in the stacked unit pack),
 - an unambiguous package serial number.

Note: The stacked unit pack quantity **must** be printed on the master label 'M'!

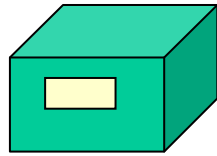
The records 715 both for delivery units and for auxiliary packing aids assigned to the packing aid carrier may follow the packing aid carrier pallet.

- Delivery units in a homogenous stacked unit pack must be represented as individual packages without subpackaging. Record 715 contains:
 - the package identifier 'S',
 - the number of packing aids > 0,
 - the quantity per packing aid,
 - an unambiguous package serial number (for each packing aid).
- A separate record 715 may have to be created for each packing aid type or quantity (or when the package serial number sequence is interrupted), see repetition of records in point 1.
Record 715 for auxiliary packing aids contains:
 - no package identifier,
 - the number of auxiliary packing aids per type > 0,
 - the quantity = 0,
 - no package serial number.

3. Representation of mixed stacked unit packs (mixed load), identifier = 'G' (or 5J or 5)
 Mixed handling units consist of the outer packaging = a packing aid carrier (e.g. carrier pallet), the delivery units (inner packaging) = loading equipment (e.g. small parts containers) with the different content (article numbers) and may contain auxiliary packing aids e.g. lids, layers.
 Each handling unit must be represented individually.
- The first record 715 of a stacked unit pack describes the packing aid carrier and contains:
 - the package identifier 'G',
 - the number of packing aids = 1,
 - the quantity = 0,
 - an unambiguous package serial number.
 The records 715 both for delivery units and for auxiliary packing aids assigned to the packing aid carrier may follow the packing aid carrier pallet.
 - The representation rules given above for individual packages without subpackaging must be used for delivery units in a mixed stacked unit pack. Record 715 contains:
 - the package identifier 'S',
 - the number of containers > 0,
 - the load quantity per container,
 - an unambiguous package serial number (for each container).
 - A separate record 715 (for the same article number) may have to be created for each packing aid type or quantity (or when the package serial number sequence is interrupted), see record repetition in point 1.
 - The record 715 for auxiliary packaging in a mixed stacked unit pack contains:
 - no package identifier,
 - the number of auxiliary packing aids per type > 0,
 - the quantity = 0,
 - no package serial number.
 - Each change of article number (SA714) within a handling unit requires a repetition of record 715 for the packing aid carrier. The repeated record for the packing aid carrier contains:
 - the package identifier 'G',
 - the **number of packing aid = 0 (= repetition marker!)**,
 - the quantity = 0,
 - the **package serial number from the first record 715** for the handling unit's packing aid carrier.
 - Following the repeated record for the packing aid carrier, the representation for individual packages (see above) must be used again for further delivery units in the mixed stacked unit pack.
4. Representation of co-packs in mixed stacked unit packs
 A co-pack is a quantity of items which are often added to a delivery unit without their own standard packaging.
 A co-pack in a simplified handling unit is represented as a delivery unit in a mixed stacked unit pack.
 See Representation Example 10.
 A co-pack in a mixed stacked unit pack cannot be represented correctly in VDA 4913 due to the lack of structuring options. The record 715 for a co-pack must follow on directly from the packing aid record 715 for the delivery unit (identifier = S !) to which the co-pack has been added. "BEIPACK" **must** be entered as the packing aid type.
- Co-packs must be represented as individual packages. Record 715 contains:
 - the package identifier 'S',
 - the number of "co-pack" containers > 0,
 - the quantity per "co-pack",
 - an unambiguous package number (per co-pack item)
 See Representation Examples 11 and 12.

The following pages contain examples of how record structures and package serial numbers are represented in VDA 4913.

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

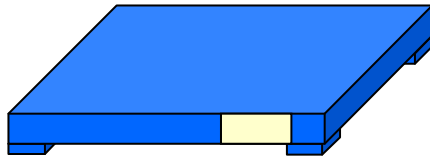


A package without subpackaging is an **inner package or inner handling unit**.
Loading carrier

The article is in contact with the inner packaging.



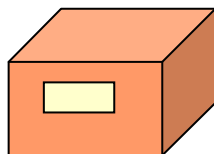
A simplified **handling unit** is a special instance of a delivery unit / inner package. It has no outer packaging.



A packing to accommodate subpackaging / inner packages – but without other outer packaging – is an **outer packaging**.

Packing carrier

Outer and inner packings (delivery units) form a **handling unit / stacked unit pack**.



A package with subpackaging and with other outer packaging is a logical **intermediate package level**. The intermediate package level is an **outer packaging**, as the article is not in contact with the inner packaging.

Legend of data elements in the Records

Rec713 *Delivery note number,*
Delivery note date,
Material receiving area,

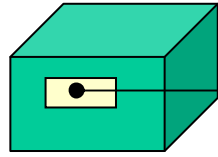
Rec714 *Article number (item number),*
Delivery quantity,
Delivery note item,
Order number,
Lot number

Rec715 *Packaging type,*
Number of packagings,
Delivery note item,
Füllmenge,
Package number from,
Package number to,
Label ID (M, G, S): for using GTL Conversion is necessary
from 5J > G or 5, from 6J > M or 6, from 1J > S or 1

1a) simplified handling unit KLT

Article number
.171.201.981

packaging
1x 003214
qty per pack
1x 150



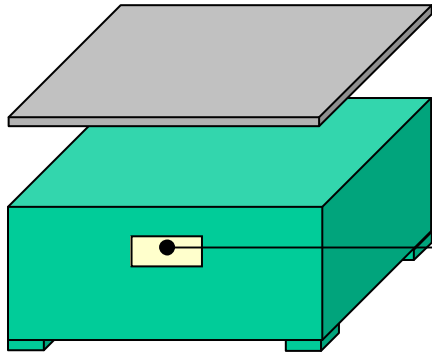
package identification
VDA GTL package number
S 1J 1001

1b) simplified handling unit GLT

Article number
.1J0.820.119

packaging
1x 110848
1x P01208

qty per pack
1x 80



package identification
VDA GTL package number
S 1J 1006

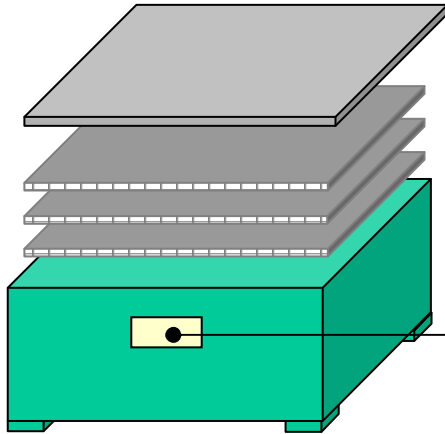
	Rec. type		Delivery note	DN Position	Article number	Packaging type	Number of Packagings	Quantity	Package-number > from	Package-number < to	Label-ID
713			123456								
↑	714			1	171 201 981			150			
		715		1		003214	1	150	1001		S
↑	714			2	1J0 820 119			80			
		715		2		110848	1	80	1006		S
		715		2		P01208	1	0			

1c) Simplified handling unit GLT with paddings

Article number
.1J0.820.119

packaging
1x 110848
3x E00008
1x P01208

qty per pack
1x 80



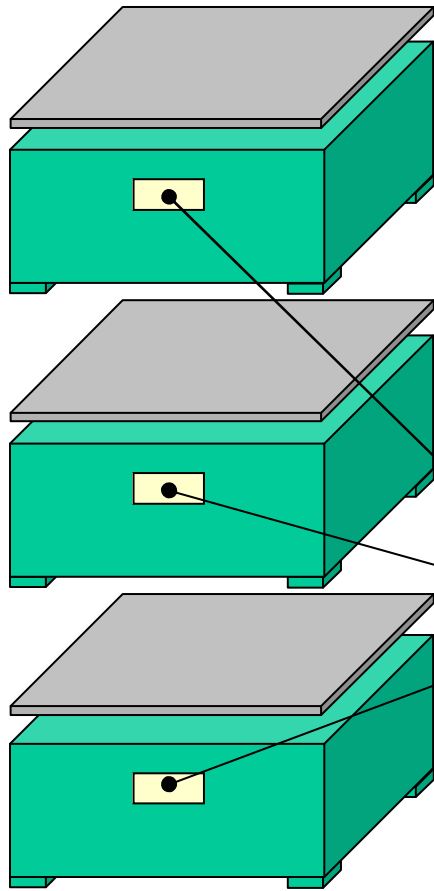
package identification
VDA GTL package number
S 1J 1006

	Rec. type		Delivery note	DN Position	Article number	Packaging type	Number of Packagings	Quantity	Package-number > from	Package-number < to	Label-ID
713			123456								
↑	714			1	1J0 820 119			80			
		715		1		110848	1	80	1006		S
		715		1		P01208	1	0			
		715		1		E00008	3	0			

Article number
 .1J0.820.119.B

packaging
 3x P01208
 3x 110848
 qty per pack
 3x 80

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



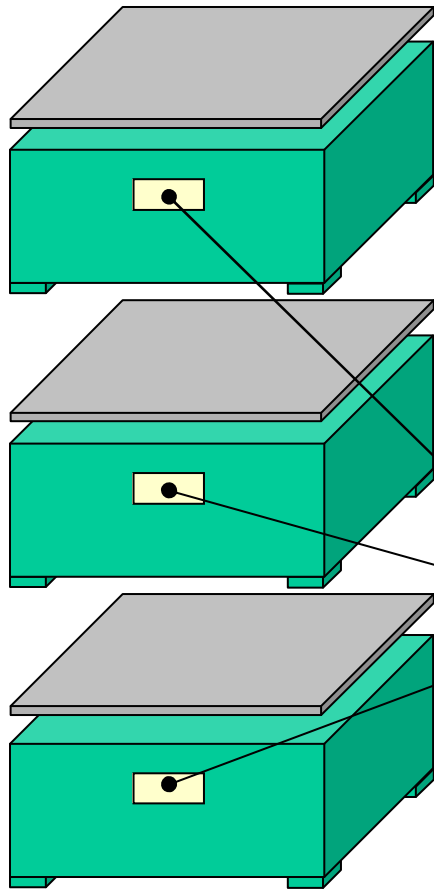
package identification

VDA	GTL	package number
S	1J	2001
S	1J	2002
S	1J	2003

	Rec. type	Delivery note	DN Position	Article number	Packaging type	Number of Packagings	Quantity	Package-number > from	Package-number < to	Label-ID
	713	123456								
↑	714		1	1J0 820 119 B			240			
		715	1		110848	3	80	2001	2003	S
		715	1		P01208	3	0			

Article number
 .6X2.419.721.L

packaging
 3x P01208
 3x 110848
 qty per pack
 2x 120
 1x 90



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

package identification		
VDA	GLT	package number
S	1J	3004
S	1J	3005
S	1J	3006

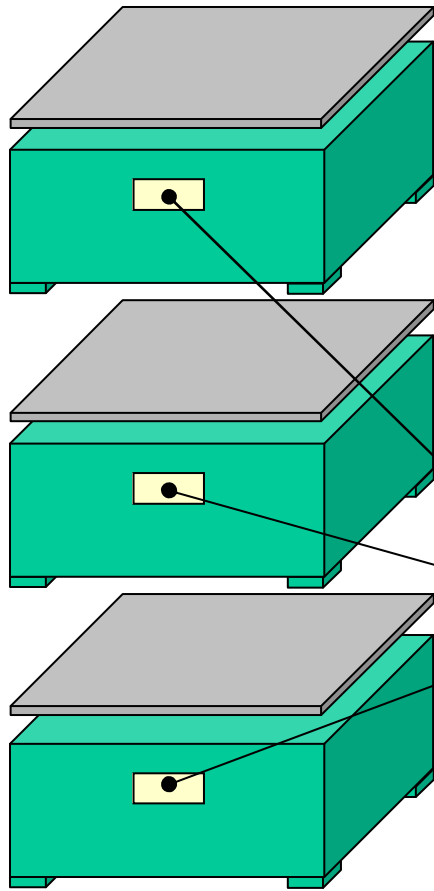
	Rec. type	Delivery note	DN Position	Article number	Packaging type	Number of Packagings	Quantity	Package-number > from	Package-number < to	Label-ID
	713	123456								
		714	1	6X2 419 721			330			
↑		715	1		110848	2	120	3004	3005	S
		715	1		110848	1	90	3006		S
		715	1		P01208	3	0			

The range package serial number 'from – to' can be used only if the article number, the packing type and the **quantity** are the same.

Article number
 .6X2.419.721.L

packaging
 3x P01208
 3x 110848
qty per pack
 3x 120

Lot Number
 CN001
 CN002



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

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

	Rec. type	Delivery note	DN Position	Articlenumber Chargennr	Packaging type	Number of Packagings	Quantity	Package-number > from	Package-number < to	Label-ID
	713	123456								
↑	714		1	6X2 419 721 CN001			240			
		715	1		110848	2	120	23004	23005	S
		715	1		P01208	2	0			
↑	714		2	6X2 419 721 CN002			120			
		715	2		110848	1	120	23006		S
		715	2		P01208	1	0			

If the lot number differs within a shipment unit (or within a handling unit) the SA 714 must be repeated with the second lot number.

The total delivery quantity must therefore be divided between two delivery note items.

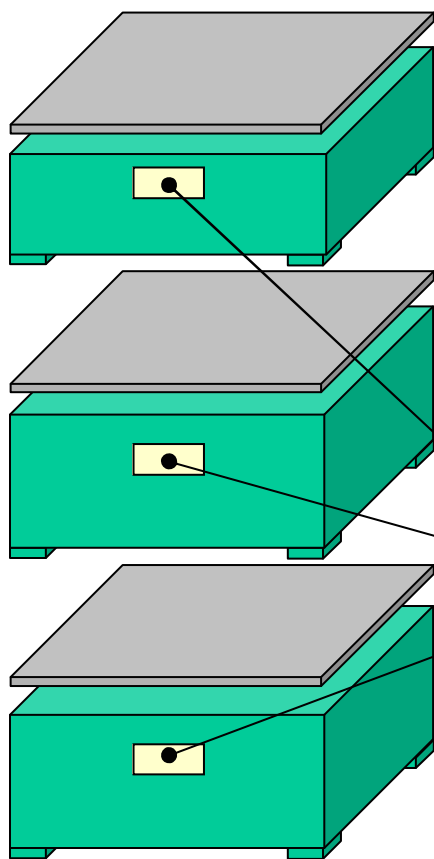
If the order numbers differ (e.g. Genuine Parts), the same procedure must be followed.

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

Article number
.6X2.419.721.R

packaging
1x P01208
1x 111822
qty per pack
1x 90

packaging
2x P01208
2x 110848
qty per pack
2x 120



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

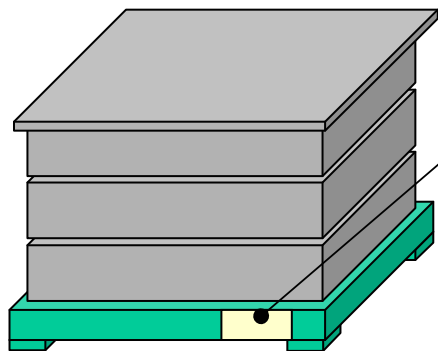
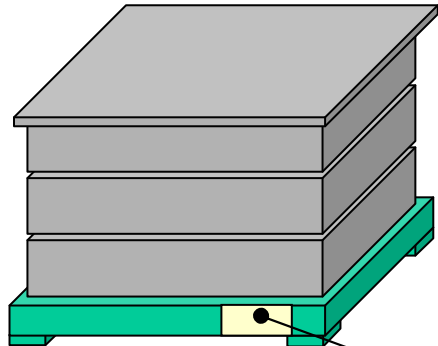
	Rec. type	Delivery note	DN Position	Articlenumber Chargennr	Packaging type	Number of Packagings	Quantity	Package-number > from	Package-number < to	Label-ID
	713	123456								
	714		1	6X2 419 721 R			330			
↑	715		1		110848	2	120	4005	4006	S
↑	715		1		111822	1	90	4001		S
	715		1		P01208	3	0			

The range package serial number 'from – to' can be used only if the article number, the packing type and the **quantity** are the same.

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
qty per pack
2x 108 oder
6x 36



package identification
VDA GTL package number

S 1J 5005
S 1J 5006

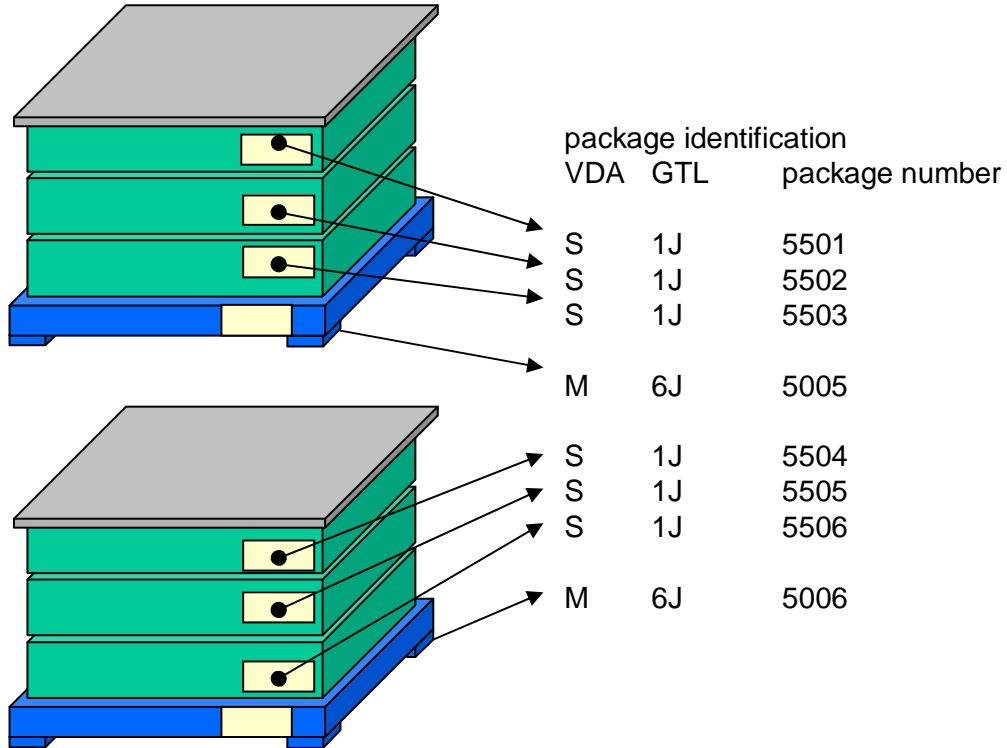
	Rec. type	Delivery note	DN Position	Articlenumber Chargennr	Packaging type	Number of Packagings	Quantity	Package-number > from	Package-number < to	Label-ID
713		123456								
↑	714		1	6N1 690 105 M			216			
	715		1		DB0011	2	108	5005	5006	S
	715		1		110810	6	0			
	715		1		P01208	2	0			

In the case of a simplified handling unit with additional packing aids (e.g. layers on a carrier pallet) these additional packing aids must be indicated immediately after the loading equipment record for the pallet (with the package serial number and the identifier "S" - because in this case just one label is used per handling unit). This is essential to be able to book the additional packaging to the correct handling unit. Additional packing aids have to be booked at goods-in. The packing aid 110810 is a frame with a floor, as used for instance for packing headlights. It must be represented as an auxiliary packing aid in the package structure, like lids or similar items. In this example the quantity (108) and the package serial numbers are assigned to the two DB0011 pallets (as loading equipment) with package serial numbers 5005 and 5006. The two handling units 5005 and 5006 form a shipment unit. The handling unit must be stored as a complete unit by the recipient. This form of representation must be agreed with the recipient plant!

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
qty per pack
2x 108 oder
6x 36



	Rec. type	Delivery note	DN Position	Articlenumber Chargennr	Packaging type	Number of Packagings	Quantity	Package-number > from	Package-number < to	Label-ID
713		123456								
	714		1	6N1 690 105 M			216			
↓		715	1		DB0011	1	0 *	5005		M
↑		715	1		P01208	1	0			
↑		715	1		110810	3	36	5501	5503	S
↓		715	1		DB0011	1	0 *	5006		M
↑		715	1		P01208	1	0			
↑		715	1		110810	3	36	5504	5506	S

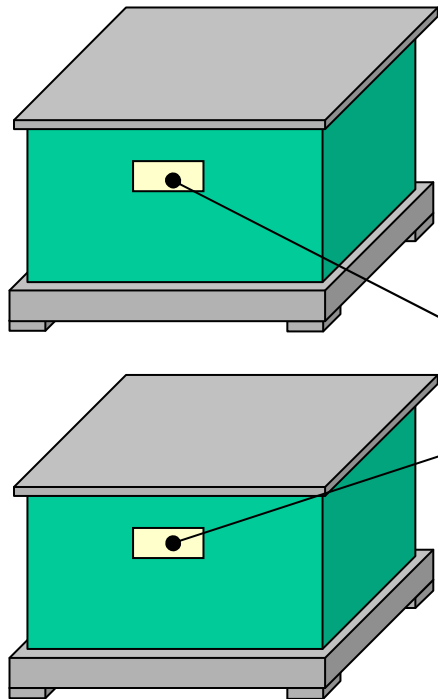
•The packing record for the packing carrier of a homogenous handling unit may also contain the stacked unit pack's qty per pack (here: 108).

In this case the packaging structure is represented as a homogenous handling unit (stacked unit pack) with package numbers (labels) on the layers. This representation may be necessary if the recipient does not store the handling unit as a complete unit, but splits it up before storing.

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

Article number
.6N1.690.124.A

2x P01208
2x 2105161
2x DB0011
qty per pack
2x 300



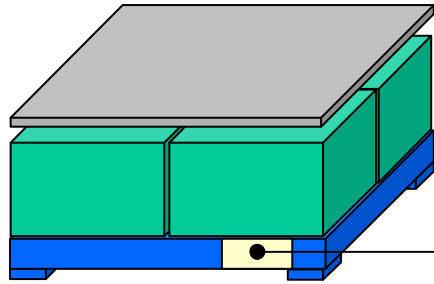
package identification		
VDA	GTL	package number
S	1J	6005
S	1J	6006

	Rec. type	Delivery note	DN Position	Articlenumber Chargennr	Packaging type	Number of Packagings	Quantity	Package-number > from	Package-number < to	Label-ID
713		123456								
	714		1	6N1 690 124 A			600			
↑		715	1		2105161	2	300	6005	6006	S
		715	1		DB0011	2	0			
		715	1		P01208	2	0			

For this packaging the master packing aid, to which the packing serial numbers are assigned, is the packing aid 2105161 (container). The pallet is entered as an auxiliary packing aid.

Article number
.6N0.959.799.A

packaging
1x P01208
4x 006428
1x DB0011
qty per pack
4x 25

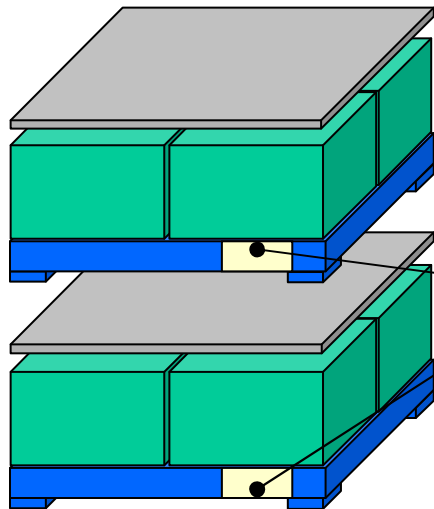


5a) Handling unit:
homogeneous stacked unit pack
Inner packaging KLT **without** Label
same packaging, same quantity p. pack

package identification
VDA GTL package number
S 1J 7001

Article number
.6N0.959.799

packaging
2x P01208
8x 006428
2x DB0011
qty per pack
8x 20



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

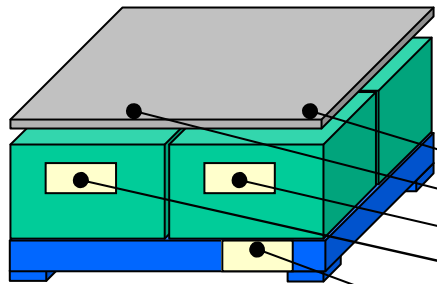
package identification
VDA GTL package number
S 1J 7005
S 1J 7006

	Rec. type	Delivery note	DN Position	Article number Chargennr	Packaging type	Number of Packagings	Quantity	Package-number > from	Package-number < to	Label-ID
713		123456								
	714		1	6N0 959 799 A			100			
↑		715	1		DB0011	1	100	7001		S
		715	1		P01208	1	0			
		715	1		006428	4	0			
	714		2	6N0 959 799			160			
↑		715	2		DB0011	2	80	7005	7006	S
		715	2		P01208	2	0			
		715	2		006428	8	0			

This packaging structure (small parts container on loading equipment) should be represented for VW as a homogenous stacked unit pack with package serial numbers on the delivery units (inner packaging). For correct representation see Examples 6a, 6b, 7. In exceptional cases this representation must / can be **agreed** with a plant's goods-in department!

Article number
.6N1.690.105.M

packaging
1x P01208
4x 006428
1x DB0011
qty per pack
4x 108

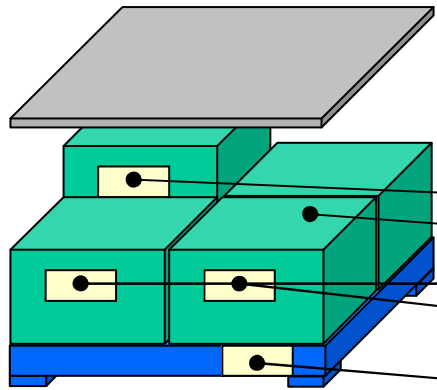


6a) Handling unit:
homogeneous stacked unit pack
Inner packaging KLT **with** Label
same packaging, same quantity p. pack

package identification		
VDA	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
qty per pack
3x 108
1x 96



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

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

	Rec. type	Delivery note	DN Position	Article number Chargennr	Packaging type	Number of Packagings	Quantity	Package-number > from	Package-number < to	Label-ID
	713	123456								
			1	6N1 690 105 M			432			
↓		715	1		DB0011	1	0 *	8102		M
↑		715	1		P01208	1	0			
		715	1		006428	4	108	8005	8008	S
			2	6N1 690 105 J			420			
↓		715	2		DB0011	1	0 *	8011		M
		715	2		P01208	1	0			
↑		715	2		006428	1	96	8001		S
↑		715	2		006428	3	108	8002	8004	S

* The packing aid record for the packing aid carrier of a homogenous handling unit may also contain the stacked unit pack's quantity (here: 432 and 420).

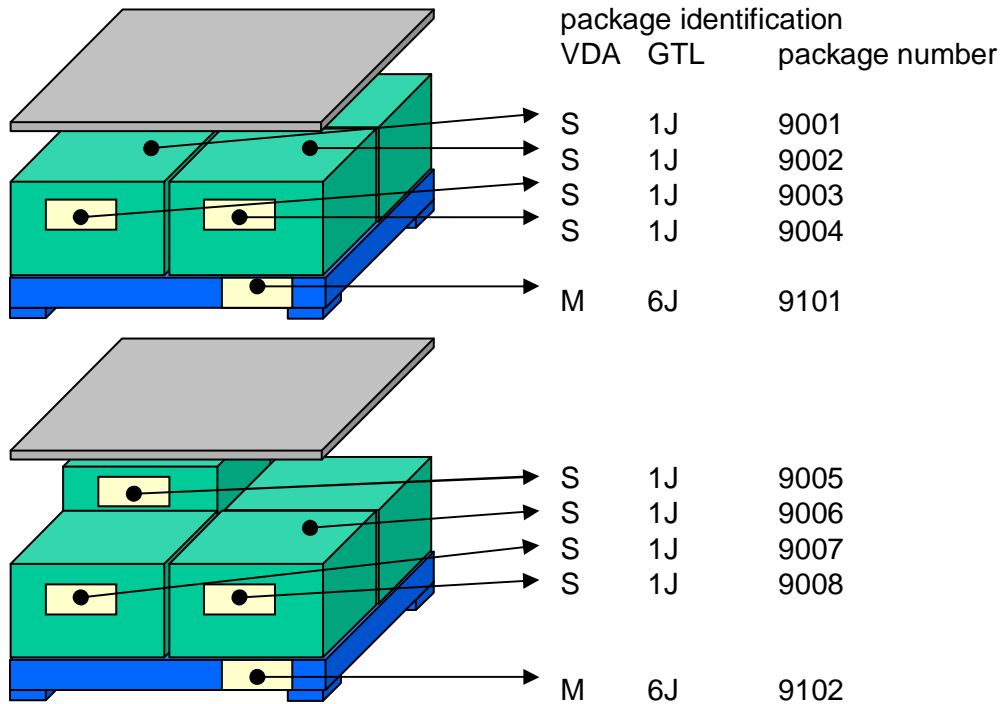
Article number
.6N1.690.105.A

packaging
2x P01208
8x 006428
2x DB0011

qty per pack
4x 120

qty per pack
3x 120
1x 50

7) transport unit:
2 Handling units,
homogeneous stacked unit packs
same packaging, different quantity p. pack



	Rec. type	Delivery note	DN Position	Article number Chargennr	Packaging type	Number of Packagings	Quantity	Package-number > from	Package-number < to	Label-ID
713		123456								
	714		1	6N1 690 105 A			890			
↓		715	1		DB0011	1	0 *	9101		M
↑		715	1		P01208	1	0			
↑		715	1		006428	4	120	9001	9004	S
↓		715	1		DB0011	1	0 *	8011		M
↑		715	1		P01208	1	0			
↑		715	1		006428	1	50	9005		S
↑		715	1		006428	3	120	9006	9008	S

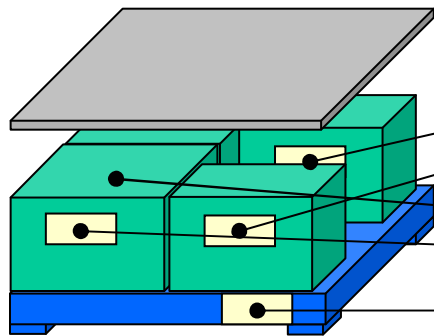
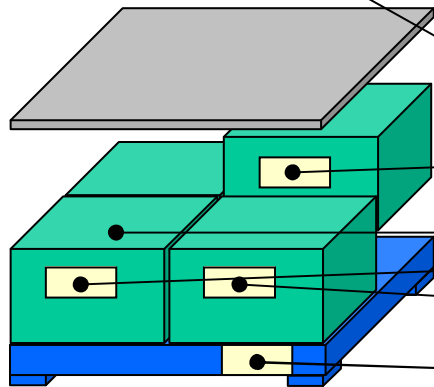
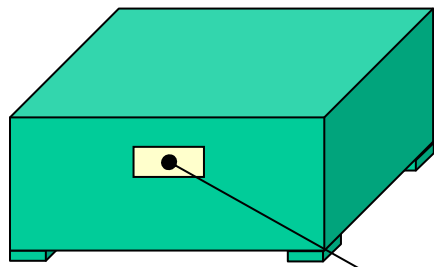
* Im Packmittelsatz für den Packmittelträger einer homogenen Ladeinheit darf auch die Füllmenge der Ladeinheit (hier: 480 und 410) aufgeführt werden

Article number
.6X0.880.221

packaging
1x 110848
qty per pack
1x 100

packaging
1x P01208
4x 006428
1x DB0011
qty per pack
4x 30

packaging
1x P01208
2x 006428
2x 004328
1x DB0011
qty per pack
2x 30
qty per pack
2x 25



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

package identification
VDA GTL package number

- S 1J 10089
- S 1J 10001
- S 1J 10011
- S 1J 10012
- S 1J 10013
- M 6J 10051
- S 1J 10021
- S 1J 10022
- S 1J 10014
- S 1J 10015
- M 6J 10052

	Rec. type	Delivery note	DN Position	Articlenumber Chargennr	Packaging type	Number of Packagings	Quantity	Package-number > from	Package-number < to	Label-ID
713		123456								
↑	714		1	6X0 880 221			330			
↓		715	1		110848	1	100	10089		S
		715	1		DB0011	1	0 *	10051		M
↑		715	1		P01208	1	0			
↑		715	1		006428	1	30	10001		S
		715	1		006428	3	30	10011	10013	S
↓		715	1		DB0011	1	0 *	10052		M
		715	1		P01208	1	0			
↑		715	1		006428	2	30	10021	10022	S
↑		715	1		006428	2	25	10014	10015	S

* Im Packmittelsatz für den Packmittelträger einer homogenen Ladeinheit darf auch die Füllmenge der Ladeinheit (hier: 120 und 110) aufgeführt werden

packaging
1x P01208
1x DB0011

Article number.
.6N1.858.569.B

packaging
4x 006428
qty per pack
2x 30
2x 20

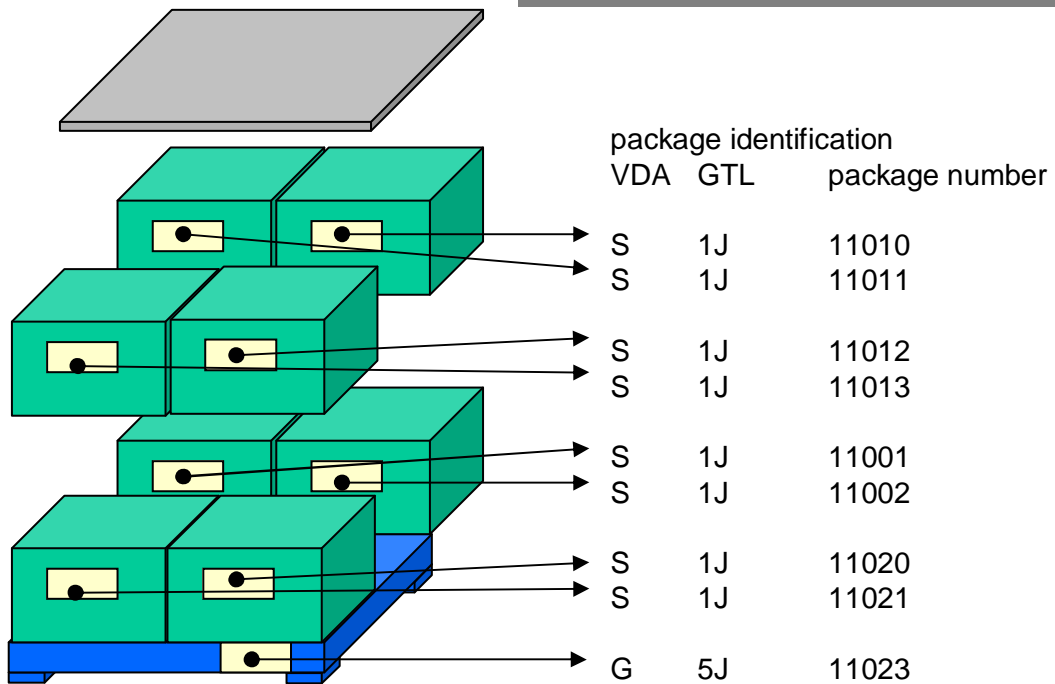
Article number.
.6N1.858.569.A

packaging
2x 006428
qty per pack
1x 40
1x 20

Article number
.6N2.858.278

packaging
2x 006428
qty per pack
2x 40

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



	Rec. type	Delivery note	DN Position	ArticleNumber Chargennr	Packaging type	Number of Packagings	Quantity	Package-number > from	Package-number < to	Label-ID
713		123456								
	714		1	6N1 858 569 B			100			
		715	1		DB0011	1	0	11023		G
		715	1		P01208	1	0			
		715	1		006428	2	30	11010	11011	S
		715	1		006428	2	20	10012	10013	S
	714		2	6N1 858 569 A			60			
		715	2		DB0011	0	0	11023		G
		715	2		006428	1	40	11001		S
		715	2		006428	1	20	11002		S
	714		3	6N2 858 278			80			
		715	3		DB0011	0	0	11023		G
		715	3		006428	2	40	11020	11021	S

All articles in a mixed stacked unit pack should be entered under the same delivery note number wherever possible.

The mixed stacked unit pack is represented by repeating record 715 for the carrier pallet with a repetition of the package serial number '11023' after the change of article number and by the package identifier 'G' for the carrier pallet 'DB0011'. The repeated carrier pallet line must contain the number of packing aids = 0, otherwise the packing aids would be counted more than once.

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

Article number.
.6N1.858.569.B

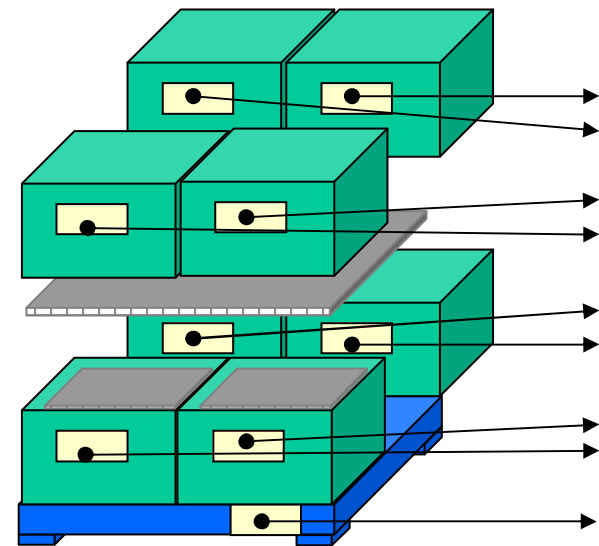
packaging
4x 006428
qty per pack
2x 30
2x 20

Article number.
.6N1.858.569.A

packaging
2x 006428
qty per pack
1x 40
1x 20

Article number
.6N2.858.278

packaging
2x FE6428 (Mould padding)
2x 006428
qty per pack
2x 40



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

package identification		package number
VDA	GTL	
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	5J	11023

	Rec. type	Delivery note	DN Position	ArticleNumber Chargennr	Packaging type	Number of Packagings	Quantity	Package-number > from	Package-number < to	Label-ID
	713	123456								
↓	714		1	6N1 858 569 B			100			
		715	1		DB0011	1	0	11023		G
		715	1		E00008	1	0			
↑		715	1		P01208	1	0			
↑		715	1		006428	2	30	11010	11011	S
		715	1		006428	2	20	10012	10013	S
	714	123456	2	6N1 858 569 A			60			
		715	2		DB0011	0	0	11023		G
↑		715	2		006428	1	40	11001		S
↑		715	2		006428	1	20	11002		S
	714	123456		6N2 858 278			80			
		715	3		DB0011	0	0	11023		G
		715	3		FE6428	2	0			
↑		715	3		006428	2	40	11020	11021	S

The intermediate handling unit layer E00008 comes immediately after the carrier equipment.

The paddings FE6428 for the KLT come between the repeated carrier pallet record and the record for the KLTs with the paddings.

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

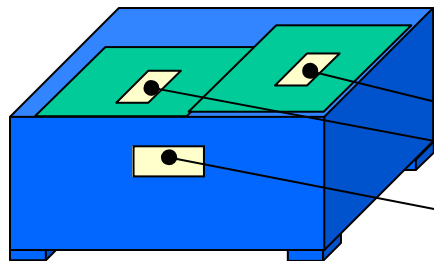
packaging
1x 110848

Article number
.6X0.880.221.AC

packaging
1x 0004SON
qty per pack
1x 50

Article number
.6X0.880.221.BQ

packaging
1x 0004SON
qty per pack
1x 50



package identification		
VDA	GTL	package number
S	1J	14003
S	1J	14009
G	5J	14025

	Rec. type	Delivery note	DN Position	Articlenumber Chargennr	Packaging type	Number of Packagings	Quantity	Package-number > from	Package-number < to	Label-ID
713		123456								
	714		1	6X0 880 221 AC			50			
		715	1		110848	1	0	14025		G
		715	1		0004SON	1	50	14003		S
	714		2	6X0 880 221 BQ			50			
		715	2		110848	0	0	14025		G
		715	2		0004SON	1	50	14009		S

If an article with no inner packaging (bulk, plastic bag, box) is placed inside a packing aid with another article, it is entered as a co-pack.

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

Article number.: .6N0.990.054
packaging : 3x 006428
qty per pack : 2x 30, 1x 20

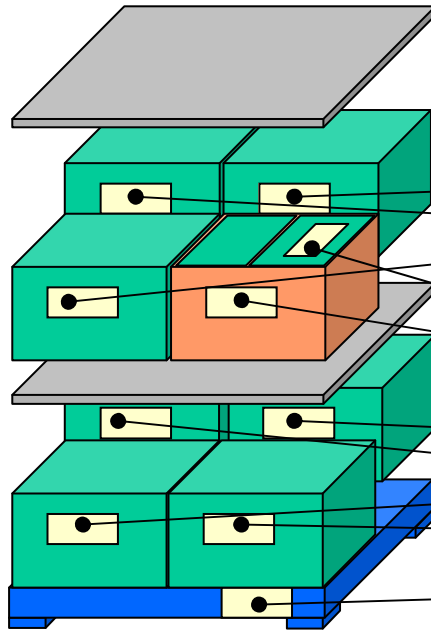
11) Handling unit:
Mixed load stacked unit pack
with co-pack in KLT
3 different articles, different packaging

packaging
1x 006428
Article number
.6N0.990.054

packaging
1x 0000LOS
qty per pack
1x20

Article number
.1C0.941.531
packaging
1x 0000SCH
qty per pack
1x 60
Co-pack

Article number.
.6N0.990.054.A
packaging
4x 006428
qty per pack
3x 40, 1x 20



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

	Rec. type	Delivery note	DN Position	ArticleNumber Chargennr	Packaging type	Number of Packagings	Quantity	Package-number > from	Package-number < to	Label-ID
713		123456								
	714		1	6N0 990 054 A			140			
		715	1		DB0011	1	0	12020		G
		715	1		Z01208	1	0			
		715	1		P01208	1	0			
		715	1		006428	3	40	12009	12011	S
		715	1		006428	1	20	12012		S
	714	123456	2	6N0 990 054			60			
		715	2		DB0011	0	0	12020		G
		715	2		006428	2	30	12001	11002	S
		715	2		006428	1	20	12007		S
		715	2		006428	1	20	12113		S
	714	123456		1C0 941 531			60			
		715	3		DB0011	0	0	12020		G
		715	3		Co-pack	1	60	12112		S

Co-pack

Remarks on the following page ...

11) Handling unit:**Mixed handling unit with Co-pack in KLT**

3 different articles, different packaging

If an article with no inner packaging (bulk, plastic bag, box) is placed inside a delivery unit with another article, it is entered as a co-pack in a mixed stacked unit pack. This instance of a co-pack should be avoided will and therefore only occur very rarely.

In this example the handling unit 12020 contains two different articles in a total of 8 small parts containers. A third article has been placed in the one small parts container 12113. The two articles are each packed into a separate box, but these are not shown as packing aids here. In the VDA4913 this instance of a co-pack must be represented in a mixed stacked unit pack in the two-stage packaging hierarchy. It is not possible to represent an immediate layer.

The principle applies again here: all articles in a mixed stacked unit pack should be entered under the same delivery note number wherever possible. An article number should only be entered under a delivery note item.

packaging
 1x P01208, 1x Z01208, 1x DB0011
Article number: .6N0.990.054
packaging : 2x 006428
qty per pack : 2x 30

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

packaging
 1x 006428
Article number
 .6N0.990.054

packaging
 1x 0000LOS
qty per pack
 1x20

Article number
 .1C0.941.531

packaging
 1x 0000SCH
qty per pack
 1x 60 **Beipack 1**

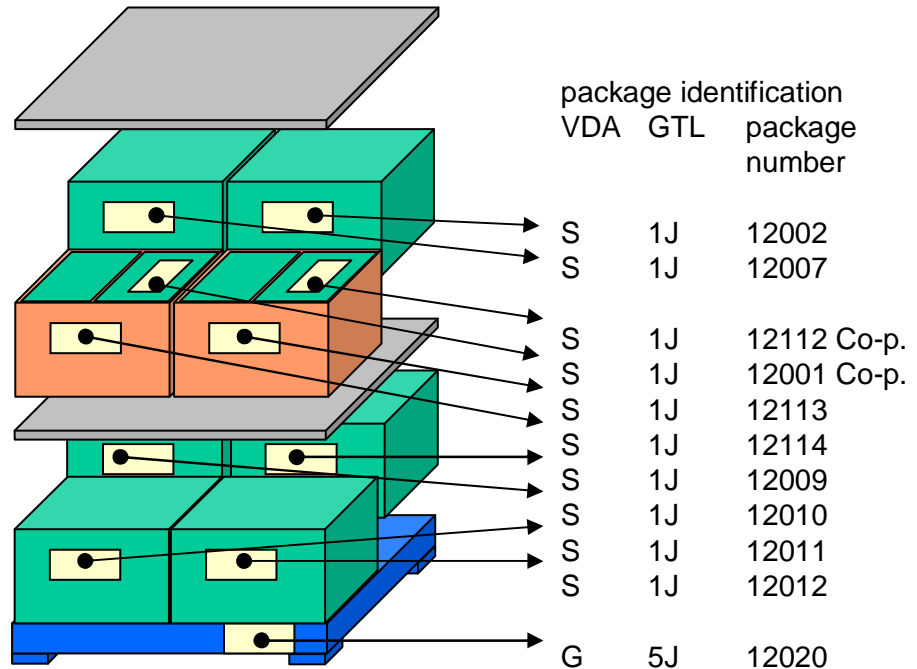
packaging
 1x 006428
Article number
 .6N0.990.054

packaging
 1x 0000LOS
qty per pack
 1x20

Article number
 .1C0.941.555

packaging
 1x 0000SCH
qty per pack
 1x 60 **Beipack 2**

Article number
 .6N0.990.054.A
packaging
 4x 006428
qty per pack
 4x 40



	Rec. type	Delivery note	DN Position	ArticleNumber Chargennr	Packaging type	Number of Packagings	Quantity	Package-number > from	Package-number < to	Label-ID
	713	123456								
↓	714		1	6N0 990 054 A			160			
		715	1		DB0011	1	0	12020		G
		715	1		Z01208	1	0			
↑		715	1		P01208	1	0			
		715	1		006428	4	40	12009	12012	S
	714	123456	2	6N0 990 054			100			
↑		715	2		DB0011	0	0	12020		G
↑		715	2		006428	2	30	12002		S
		715	2		006428	2	30	12007		S
		715	2		006428	2	20	12113	12114	S
↑	714	123456	3	1C0 941 531 D			60			
↑		715	3		DB0011	0	0	12020		G
↑		715	3		BEIPACK	1	60	12112		S
↑	714	123456	4	1C0 941 531 A			60			
↑		715	4		DB0011	0	0	12020		G
		715	4		BEIPACK	1	60	12001		S

In this example the handling unit 12020 contains four different articles in a total 8 small parts containers. In two small parts containers 12113 / 12114 an article has been added. The two articles are each packed into a separate box (no value), but these are not shown as packing aids here.

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

packaging

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

Article number.:

.6N3.858.569.A

packaging

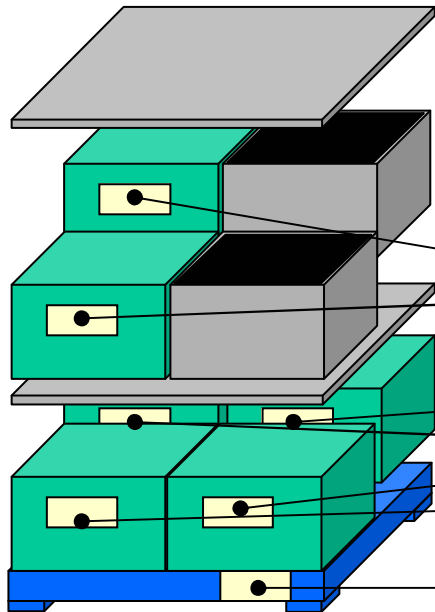
2x 006428
qty per pack
2x 30

Article number.

.6N2.858.569.A

packaging

4x 006428
qty per pack
4x 40

package identification

VDA	GTL	package number
S	1J	13001
S	1J	13002
S	1J	13009
S	1J	13010
S	1J	13011
S	1J	13014
G	5J	13055

S 1J 13001

S 1J 13002

S 1J 13009

S 1J 13010

S 1J 13011

S 1J 13014

G 5J 13055

	Rec. type	Delivery note	DN Position	Articlenumber Chargennr	Packaging type	Number of Packagings	Quantity	Package-number > from	Package-number < to	Label-ID
713		123456								
↓	714		1	6N3 858 569 A			60			
		715	1		DB0011	1	0	13055		G
		715	1		006428	2	0			
		715	1		Z01208	1	0			
↑		715	1		P01208	1	0			
		715	1		006428	2	30	13001	13002	S
	714	123456	2	6N2 858 569 A			160			
		715	2		DB0011	0	0	13055		G
		715	2		006428	3	40	13009	13011	S
↑		715	2		006428	1	40	13014		S

The empty containers 006428 are indicated as auxiliary packing aids (quantity = 0) and assigned to the outer packaging as auxiliary packing aids.

packaging
1x P01208
4x 006428
1x DB0011
qty per pack
4x 100

14) transport unit:
2 Handling units,
1 homogeneous stacked unit pack,
1 mixed stacked unit pack with article of
the homogeneous stacked unit pack

Article number
.6N1.690.105.
X

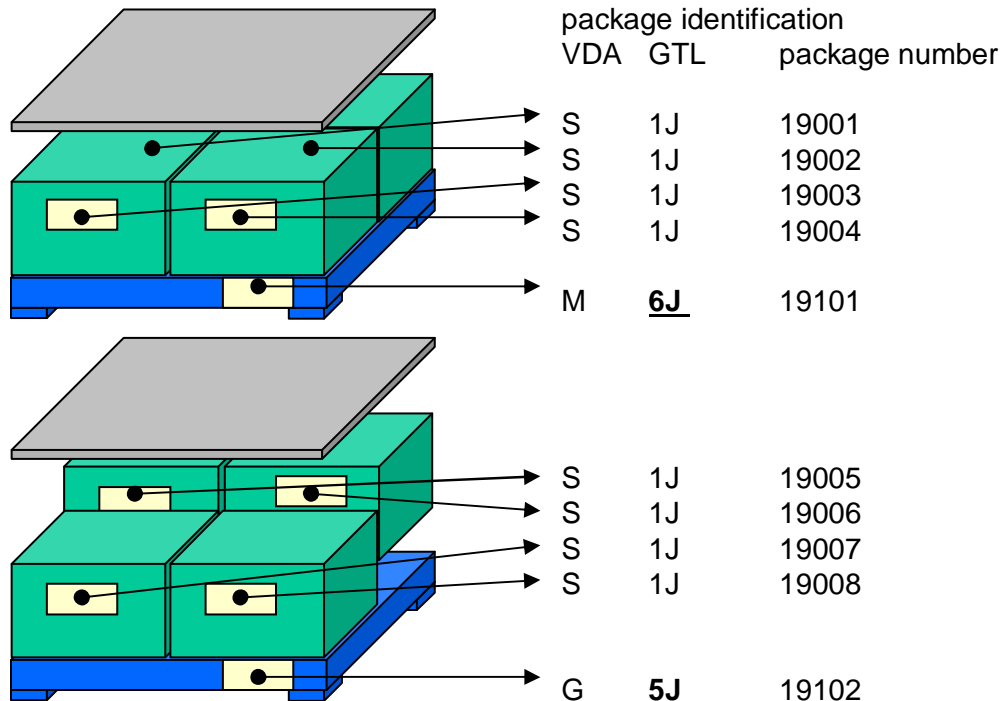
packaging
1x P01208
4x 006428
1x DB0011

qty per pack
2x 100
1x 50

Article number
.6N1.690.105.
X

qty per pack
1x 200

Article number
.6N1.690.110.
Y



	Rec. type	Delivery note	DN Position	ArticleNumber Chargennr	Packaging type	Number of Packagings	Quantity	Package-number > from	Package-number < to	Label-ID
		123456								
↓	714		1	6N1 690 105 X			400			
		715	1		DB0011	1	0 *	19101		M
↑		715	1		P01208	1	0			
		715	1		006428	4	100	19001	19004	S
↓	714		2	6N1 690 105 X			250			
		715	2		DB0011	1	0	19102		G
↑		715	2		P01208	1	0			
↑		715	2		006428	2	100	19006	19007	S
		715	2		006428	1	50	19005		S
	714	123470	1	6N1 690 110 Y			200			
↑		715	1		DB0011	0	0	19102		G
		715	1		006428	1	200	19008		S

* Im Packmittelsatz für den Packmittelträger einer homogenen Ladeinheit darf auch die Füllmenge der Ladeinheit (hier: 400) aufgeführt werden

The empty containers 006428 are indicated as auxiliary packing aids (quantity = 0) and assigned to the outer packaging as auxiliary packing aids.