

Webasto Group

Global Transport Label (GTL)

Guideline based on VDA 4994

Public



Document Information			
Document Type:	Guideline		
Document Number			
Document Version:	1.2	Template Version:	1.0
Valid from:	13.12.2024		
Classification:	Public		

Scope of Application	
Company:	Americas (AM), Asia-Pacific (AP), Europe (EU)
Site:	All
Business Units:	RT, RB, RF, RX, EB, ET

Document Governance	
Document Owner:	Dieter Ruh
Responsible Function:	Dir. SCM Process Excellence

Change History			
Date	Version	Description	Author
12.11.2024	1.0	First creation	Pedro Lopes
28.11.2024	1.1	Updated information in table 2 and table 8	Pedro Lopes
13.12.2024	1.2	Chapter 6 – uniqueness of packaging ID changed from 2 to 5 years	Pedro Lopes

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1 Introduction

Webasto is an international systems partner to the mobility industry focused on two business areas: Roof and Electrification. With more than 50 locations, the company is represented in all major automotive markets worldwide. Customers profit from the innovative strength, decades of experience and the global network of Webasto. The family owned top 100 automotive supplier aims to shape the individual mobility more enjoyable and climate friendlier.

The Purpose of Webasto: Make individual mobility more enjoyable and sustainable by advancing technology and people.

Further information can be found in our website www.webasto.com.

1.1 Definitions

AIAG	Automotive Industry Action Group
ASN	Advanced Shipping Notification
DELFOR	EDI Message – Forecast call-offs from Webasto to Supplier
DELJIT	EDI Message – JIT call-offs from Webasto to Supplier
DESADV	EDI Message – ASN information from Supplier to Webasto
DI	Data Identifier (ISO/IEC 15418)
DMC	Data Matrix Code (ISO/IEC 16022) or 2D code for encoding data
DUNS	Data Universal Numbering System (9-digit to identify business entity)
EDI	Electronic Data Interchange
GTL	Global Transport Label
HU	Handling Unit – same as TPU
ID	Identification
KLT	<i>Kleinladungsträger</i> – same as SLC
PPU	Product Packaging Unit
PU	Packaging Unit – same as PPU
SLC	Small Load Carriers – same as KLT
SLED	Shelf Life Expiration Date
SCM	Supply Chain Management
SSCC18	Serial Shipping Container Code (18-digit code)
TPU	Transport Packaging Unit
VDA	<i>Verband der Automobilindustrie</i> (German Association of the Automotive Industry)

1.2 Purpose

Suppliers are required to utilize the Global Transport Label (GTL), which contains essential information such as the barcode of the delivered item and the appropriate placement of the label.

This guideline is based on the VDA 4994 standard, which outlines the instructions for labeling packages, including both shipping units and individual packages, within the automotive supply chain.

The GTL is designed to be compatible with advanced shipping notifications (ASN) sent through electronic data interchange (EDI), and therefore both the GTL and ASN must contain the same information.

The data printed on labels originates from the same data pool as the information printed on dispatch advice (DESADV, VDA 4987) and shipping documents (shipment documents according to VDA 4939).

1.3 Scope

This guideline is valid worldwide for all Suppliers of the Webasto Group and refers to all Webasto plants of our OE business (Original Equipment – automakers and commercial vehicle manufacturers).

Suppliers shall also take in consideration the “*Global Logistics Supplier Manual*” and any specifics written in the “*Regional / Plant Logistics Supplier Manual*” (if existing) of the receiving Webasto plant.

2 Function of labels¹

Labels are used to identify product and shipping packages in the internal material flow and along their route from the dispatcher of the goods (normally the factory of the supplier) to the shipping company and eventually to the recipient of the goods (normally the factory of the customer). Labels allow for the unique identification of packages around the globe. In addition to the clear-text information, labels also contain machine-readable data in the form of 1D and 2D barcodes for automated handling.

Depending on the actual purpose of the package unit, the label has different control functions:

- **Product Packaging Unit (PPU)** – in Webasto known as “**Packaging Unit (PU)**”: Examples: cardboard boxes and plastic boxes (also known as Small Load Carriers – SLC). In this case the label provides unique identification of the product, together with additional logistics data. The label generally supports the internal handling of the PPU by the supplier up to the point of consolidation into transport packaging units and by the customer once the transport packaging units are broken down again.
- **Transport Packaging Unit (TPU)** – in Webasto known as “**Handling Unit (HU)**”: Examples: pallets, loaded with PPUs / PUs and auxiliary packaging material (lids, etc.), metal containers or large load carriers (LLC). In this case, the label provides unique identification of the package unit, including details regarding its logistics and material properties. The information on the label is generally used to control consignments along single-stage or multi-stage transport chains from the supplier to the customer and to support the receipt of the goods by the customer with subsequent internal handling including storage in the customer's warehouse.

In cases where the PU (PPU) is also the HU (TPU), the labels combine the features and functions of the above two packaging levels.

3 Size, Layout and Application of labels²

3.1 Dimensions

Labels can vary in size according to the size of the packaging unit they will be attached to and can sometimes vary according to the region of the world in which they are to be used.

¹ Source of information: VDA 4994 Global Transport Label, Version 2.0, July 2023

² Source of information: VDA 4994 Global Transport Label, Version 2.0, July 2023

Table 1 - Label types and dimensions

Type	Dimensions	
	[mm]	[in]
A5	210 x 148	8,3 x 5,8
Half letter	216 x 140	8,5 x 5,5
A6	148 x 105	5,8 x 4,1
AIAG 6"x4"	152 x 102	6,0 x 4,0
SLC1 for small load carriers (KLTs)	210 x 74	8,3 x 2,9
SLC2 for flat small load carriers	210 x 42	8,3 x 1,7
SLC3 for flat small load carriers	210 x 30	8,3 x 1,2
Blister	150 x 25	5,9 x 1,0

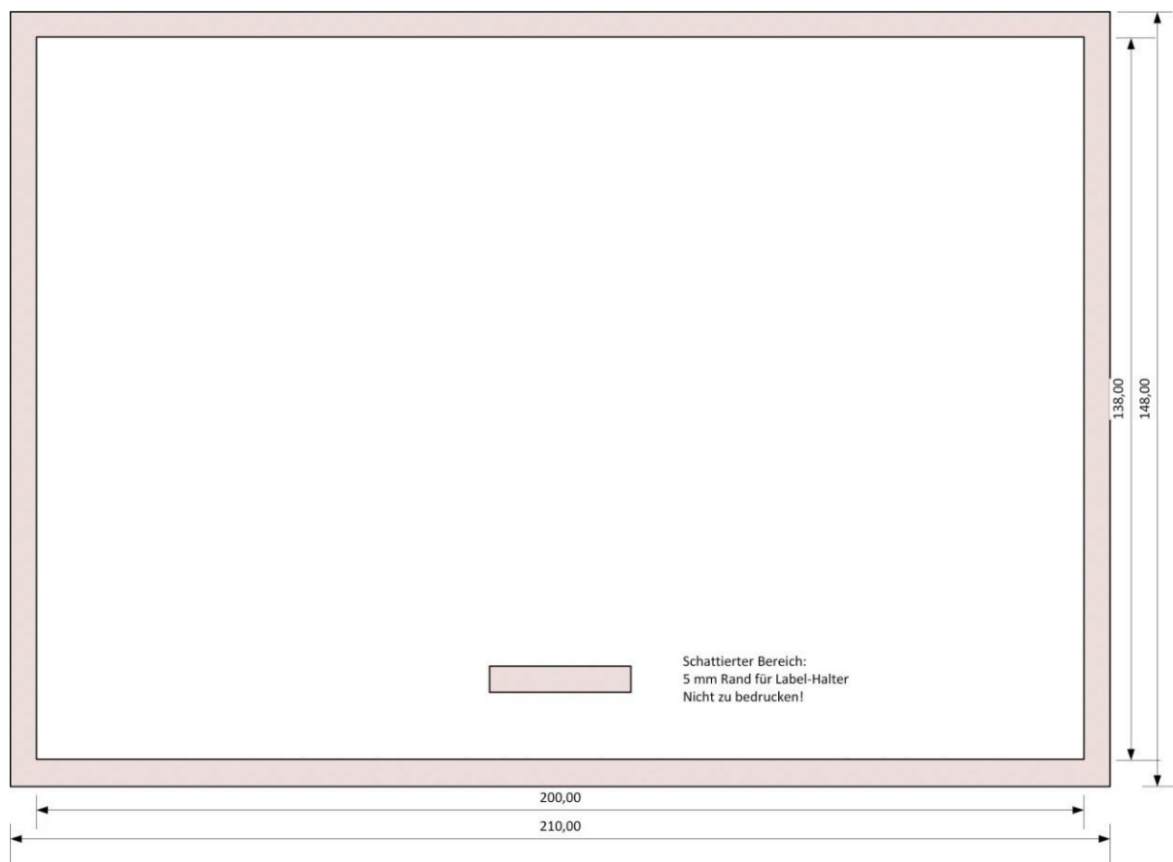


Figure 1 - Label A5 size

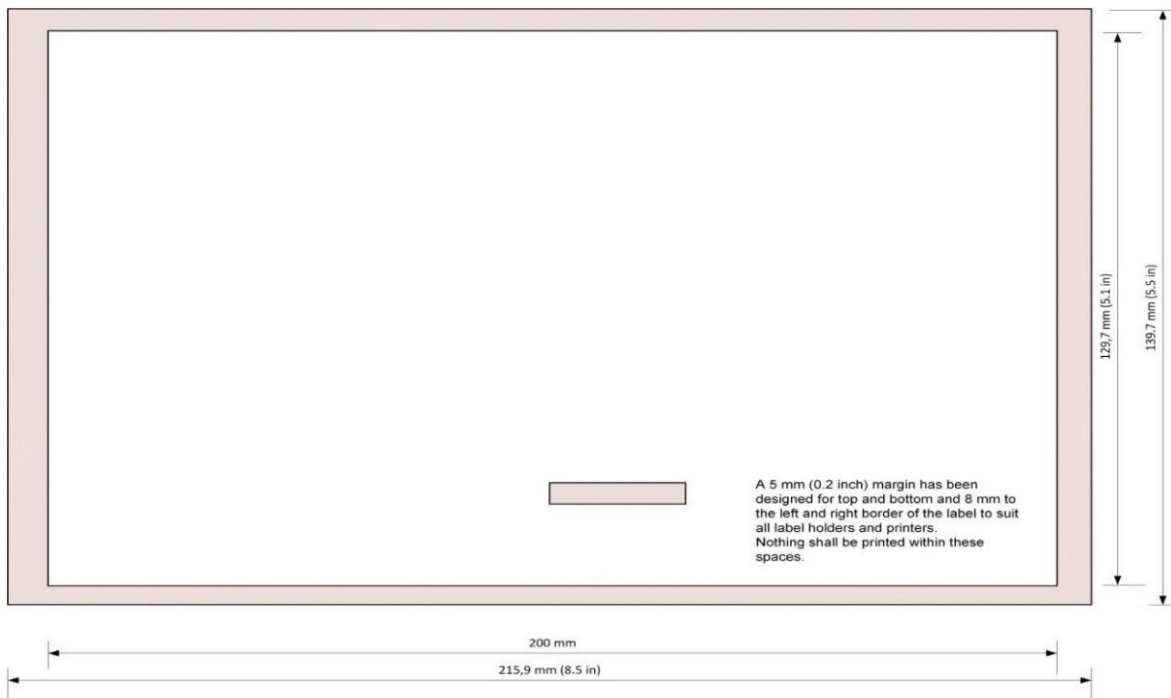


Figure 2 - Label Half Letter size

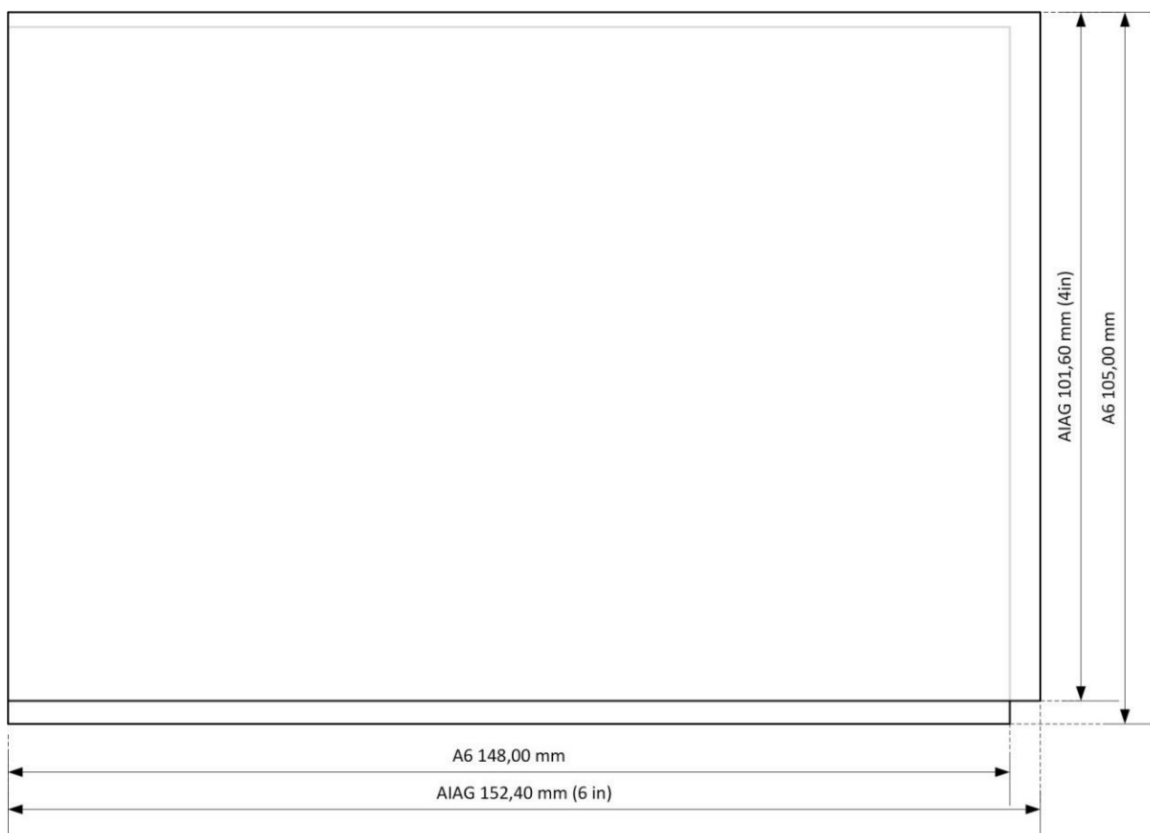


Figure 3 - Label size A6 / AIAG

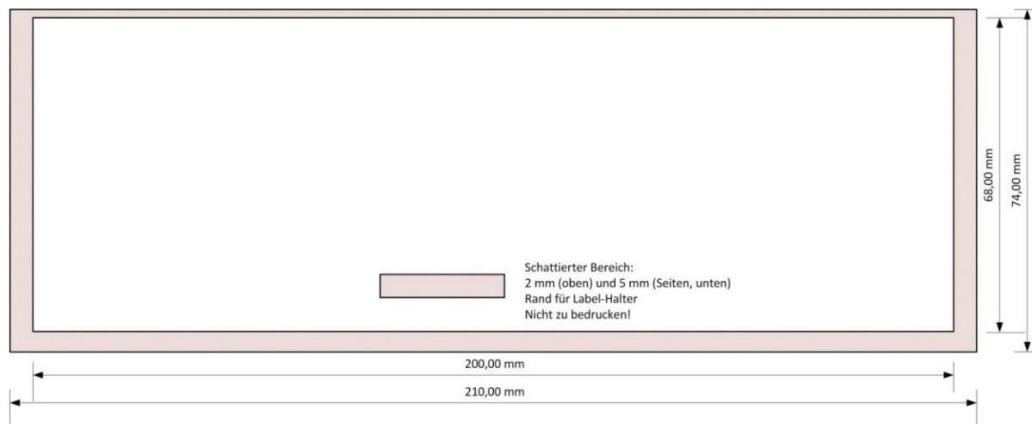


Figure 4 - Label SLC size



Figure 5 - Label SLC2 size

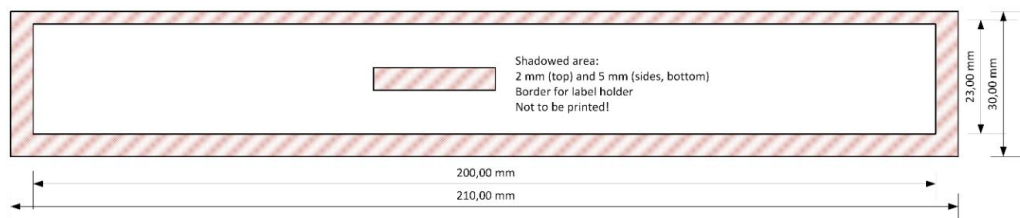


Figure 6 - Label SLC3 size

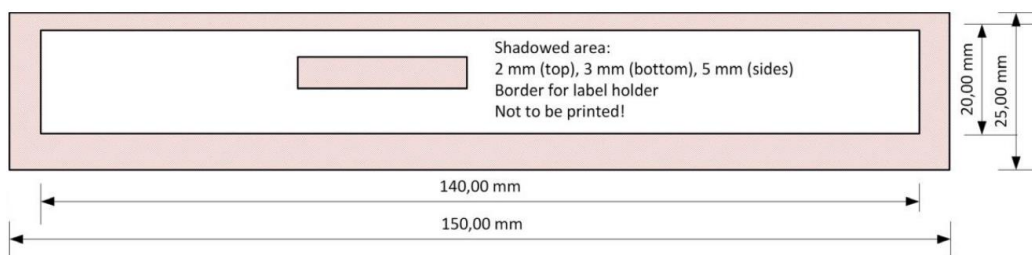


Figure 7 - Blister size

For smaller labels, please consult VDA 4992 – MAT label.

Size comparison between label sizes

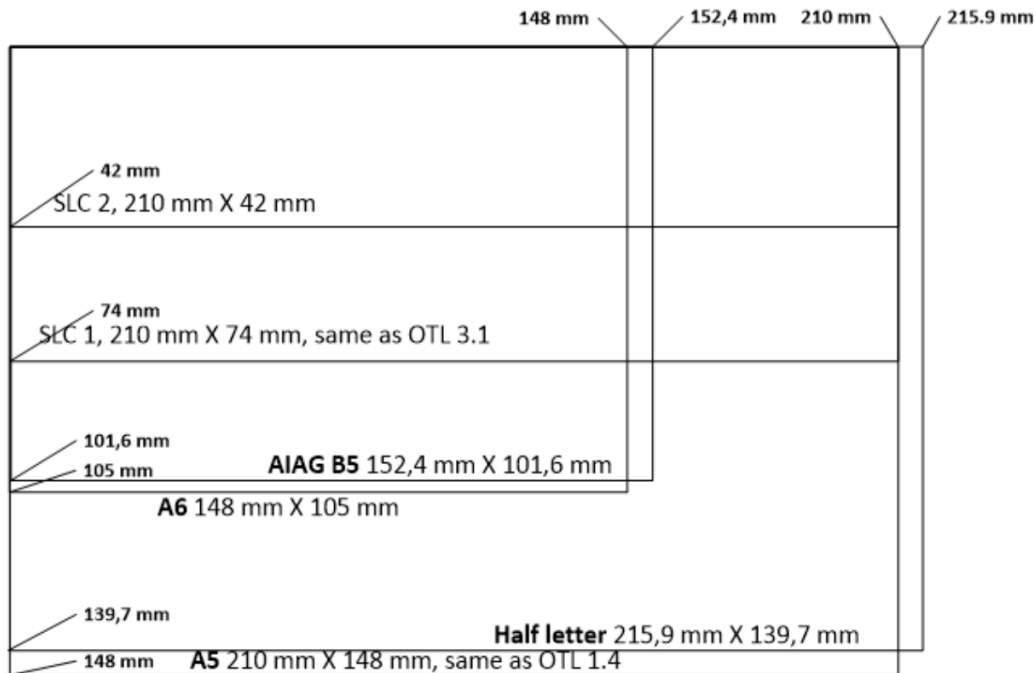


Figure 8 - Comparison of sizes of different labels

3.2 Data fields on labels

The information printed on the label is divided into logical fields of data according to the applicable layout template. For additional information, please consult the VDA 4994 GTL guideline.

The following information blocks are defined:

Table 2 - Data fields and description

Field	Description
A1	Goods sender (ship from) including ID, location and country of origin
A2	Goods recipient (ship to), including Plant and Unloading Point
A3	Label type (M – Master, S – Single) and 2D barcode
B1	Customer reference 1 – Delivery note number and Supplier number
B2	Customer routing information – specific target location in the Webasto receiving plant, which is sent by Webasto in the EDI call-offs (mapped in the field VDA 4984 - Global DELFOR (V2.2, 2020-12) "SG12/LOC+159 DE 3225") (if not requested by Webasto in the EDI call-offs, then the field should be Empty)
B3	Logistics reference – ETA, Quantity, Unit of Measure, Net and Gross Weight in KG
C	Customer's article number (Webasto's Part Number)
D1	Package ID
D2	Customer reference 2 – Package type, shipping date or expiry date, batch number
E1	Optional information as defined by supplier
E2	Customer reference 3



Figure 9 - Dimensions and layout of data fields - label format A5

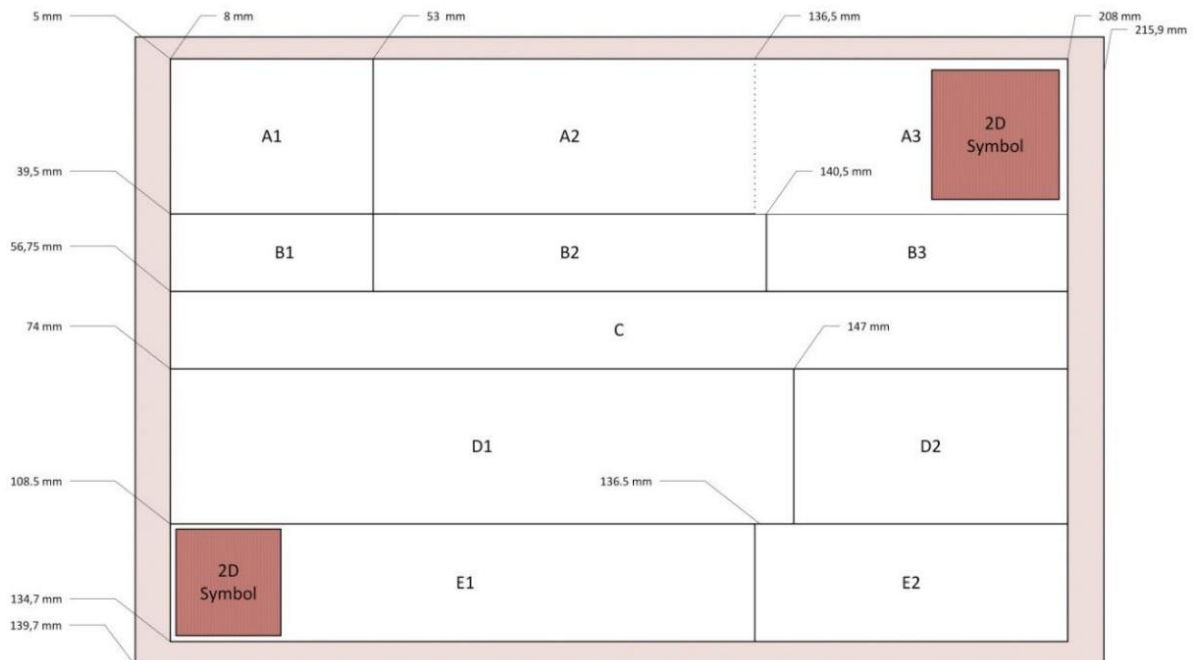


Figure 10 - Dimensions and layout of data fields - label format Half Letter

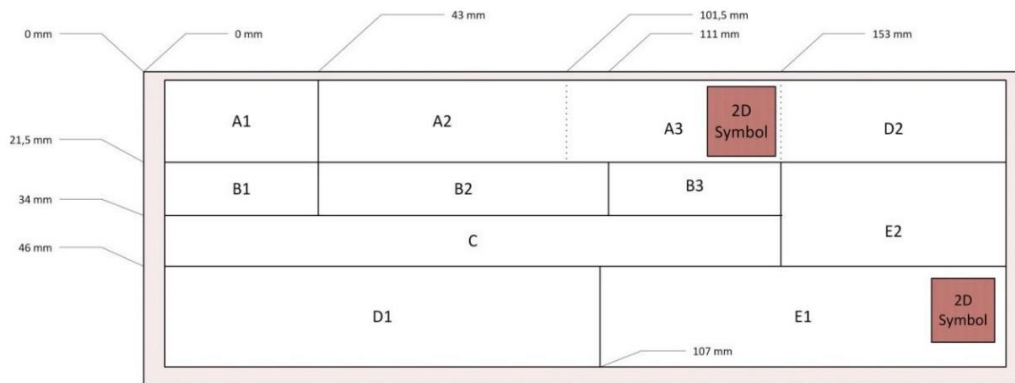


Figure 11 - Dimensions and layout of data fields - label format SLC1

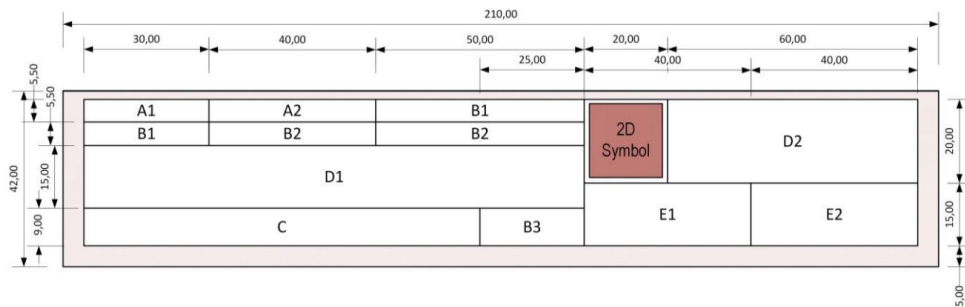


Figure 12 - Dimensions and layout of data fields - label format SLC2 (tray)

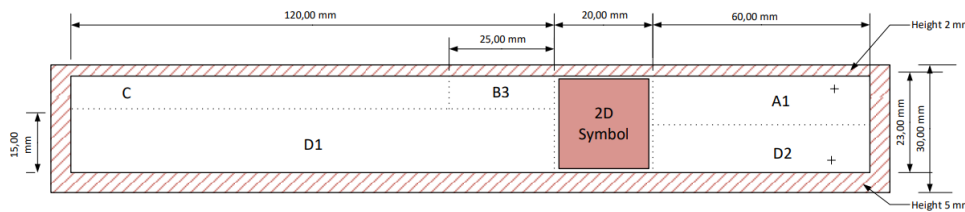


Figure 13 - Dimensions and layout of data fields - label format SLC3

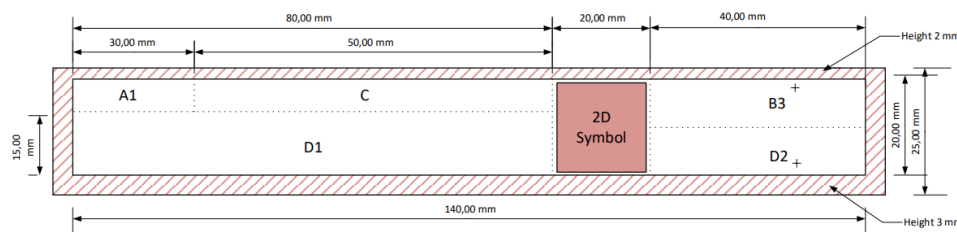


Figure 14 - Dimensions and layout of data fields - label format Blister

Note: Due to the small size, the SLC 2, SLC 3 and Blister Label only contain a subset of the information printed on the other labels. Also, to avoid reading problems with the 2D Symbol certain lines, which separate the blocks, are not printed on SLC 2, SLC 3 and blister labels.

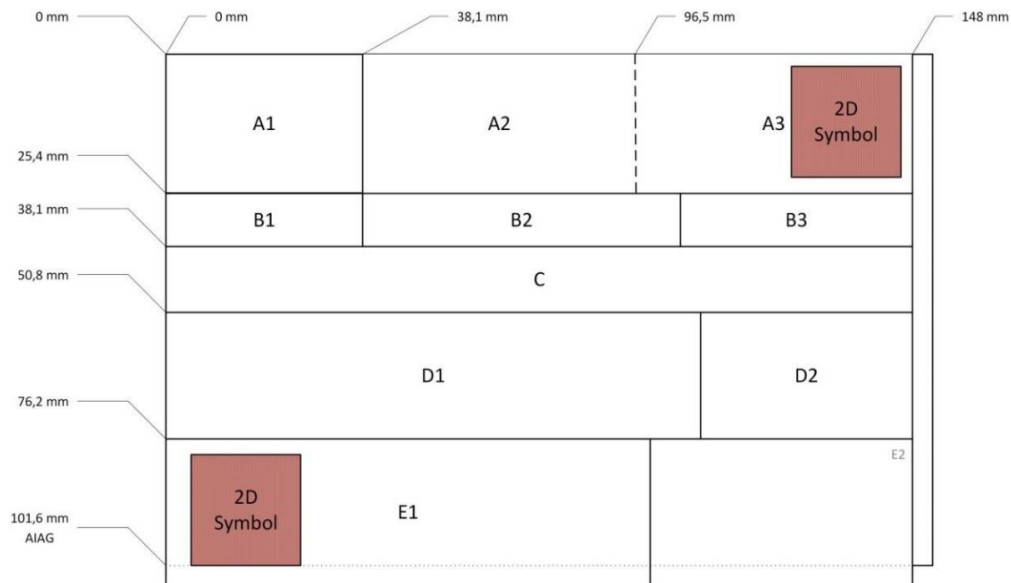


Figure 15 - Dimensions and layout of data fields - label format A6 / AIAG

3.3 Technical requirements

Table 3 - Technical requirements on labels, adhesives, and related materials

Type	Requirement
Insert label	min. 160 g/m ²
Adhesive label	min. 80 g/m ²
Combined label	approx. 130 – 170 g/m ²
• Carrier material	approx. 50 – 90 g/m ²
• Label material	approx. 80 g/m ²
Paper	White, machine-finished, moisture-resistant
Adhesive	Permanent adhesive, moisture-resistant, easy to remove

Depending on respective Webasto plant requirements, insert labels might be secured with adhesive dots, or might be produced from a heavier paper.

For use with returnable containers, adhesive labels must be easy to remove without leaving behind any residue.

Shall the labels be attached to boxes without label holders, then adhesive components will need to be used (sticky labels, adhesive dots). The method to be used must be approved by the respective Webasto plant.

For shipments to and from North America, labels of size Half Letter or AIAG 6x4" might be used, if approved by the respective Webasto plant.

In principle, the labelling rules (number of labels, positioning, attachment, type of label) must be agreed bilaterally between the business partners. For trouble-free machine reading, however, the labels must be attached horizontally on the packaging.

Before applying new labels, all old (and thus invalid) labels must be removed from the packaging.

3.4 Labels for Handling Units (Transport Packaging Units)

For HUs (TPUs), the only format allowed is A5 (or Half Letter for North American Webasto plants) for the Master Labels.

It can be designed as an insert label (if a suitable label frame/holder is available) or as a self-adhesive label (in proper place). Depending on the type, the following specifications must be observed:

- **Master Label** for homogeneous HU (TPU): the HU holds individual PUs (PPUs) which all contain the same article number (e.g., packed in SLCs). The individual PUs are equipped with separate Single labels: a Single Label denominates the label on the PU, i.e., innermost packaging unit containing the parts.
- **Single Label** for simplified HU: the HU contains only parts with the same article number, but which are not packed in individual PUs.

Labels applied to HUs are also referred as Main Labels.



Figure 16 - Master label example on homogenous Handling Unit / Pallet



Figure 17 - Single label example on container or box

Note: Mixed pallets are not allowed in ASN or GTL Labels. If a physically mixed pallet is to be sent, then multiple Master labels shall be used for each article number.

3.5 Labels for Small Load Carriers (SLC / KLT)

For containers according to VDA small load carrier system (VDA 4500), the DIN A5 label might also be used for SLCs / KLTs, provided that the label can be inserted into the label frame without having to be folded.

Instead of using folded labels, the SLC or SLC2 (KLT or KLT2) 2 label size should be used.

The use of adhesive labels on KLTs is not allowed. Prior to returning the empty containers to the sender, all labels must be removed.

3.6 Handling unit structure and match with ASN

The assignment of **Single (PU)** labels to the **Master** labels on the handling unit shall correspond to the handling unit structure specified in the ASN (EDI DESADV). Each Single label shall correctly match to the leading Master label number of the handling unit. The Supplier shall ensure this accuracy when affixing the labels to each container during the delivery process.

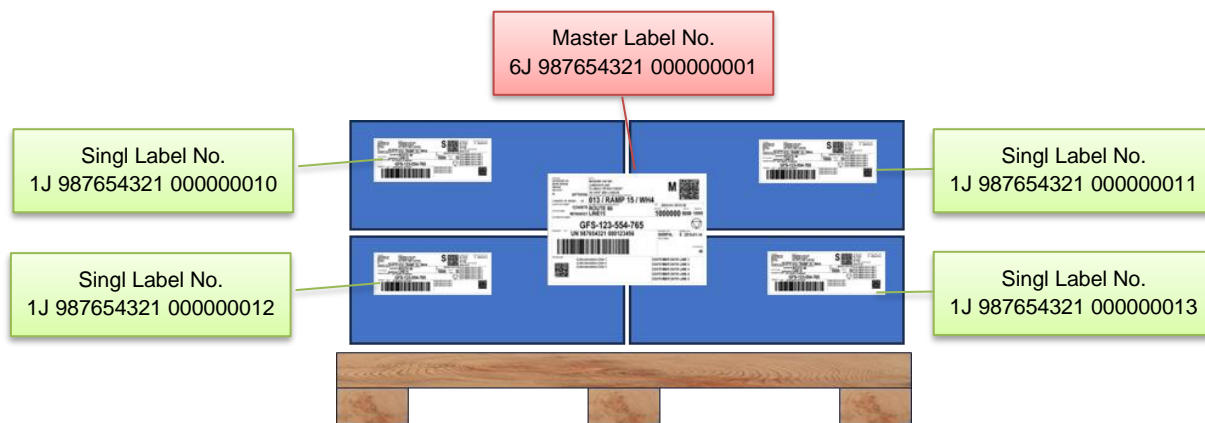


Figure 18 - Example Handling Unit structure with Single labels matching to Master label

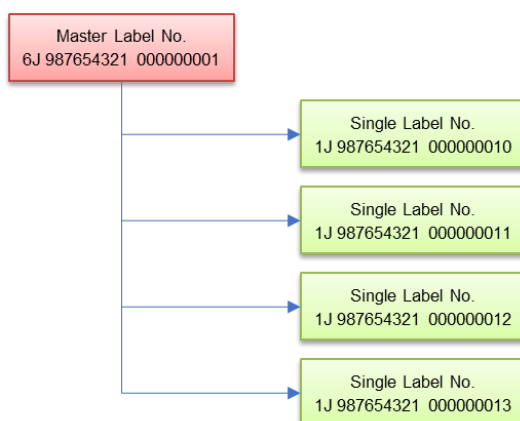


Figure 19 - Example structure of matching ASN (EDI DESADV)

4 Description of data fields

For all text in line titles, use font Arial Narrow, bold (alternative font: Helvetica Condensed, bold). Text must be printed in capital letters. The font size is 6 pt.

The font size for the individual data fields according to VDA recommendation 4994 (see “VDA-4994-Global-Transport-Label-EN-Annexe-1-V2p0-2023-07.xlsx”) can be found in the Table 9 - Font size for fields in GTL, in the Appendix chapter.

For origin of the data and how it relates to the information contained in the EDI messages (VDA 4984 – Global DELFOR; VDA4985 – Global DELJIT; VDA 4987 – Global DESADV) according to VDA recommendation 4994 (see “VDA-4994-Global-Transport-Label-EN-Annexe-1-V2p0-2023-07.xlsx”) please check the Table 10 - Data fields and match to EDI messages, in the Appendix chapter.

Examples:

SHIP FROM SUPPLIER INC. WERK BERLIN BERLIN DE-10117 ID: 887766554		SHIP TO Webasto Roof & Components SE Plant Utting Gewerbegebiet, Industriestraße 12 DE 86919 Utting am Ammersee PLANT / UNLOADING POINT / CUSTOMER INTERNAL DESTINATION		M			
COUNTRY OF ORIGIN: DE		103 / 103 /					
DELIVERY NOTE NUMBER 12345678	CUSTOMER SPECIFIC ROUTING INFORMATION S1R56		ETA 2024-06-30/09:00	QUANTITY (PC) 200	NET KG 230	GROSS KG 250	
SUPPLIER NUMBER 654321	CUSTOMER PART NUMBER SEAL W123456A				PACKAGING TYPE CT111224		EXPIRY DATE E 2025-06-24
PACKAGE-ID (63) UN 987654321 000123444 					BATCH NUMBER CH1234		NO OF INN PCK 8
SUPPLIER AREA 		CONTENT DEFINED BY SUPPLIER		CUSTOMER DATA LINE 1 CUSTOMER DATA LINE 2 CUSTOMER DATA LINE 3 CUSTOMER DATA LINE 4 CUSTOMER DATA LINE 5			

Figure 20 - Filled in Master Label A5 example for homogenous Handling Units / Pallets

The Single label (GTL-S) can be used either as the main shipping label (simplified HU), or for the inner packaging belonging to the main handling unit structure.

SHIP FROM SUPPLIER INC. WERK BERLIN BERLIN DE-10117 ID: 887766554		SHIP TO Webasto Roof & Components SE Plant Utting Gewerbegebiet, Industriestraße 12 DE 86919 Utting am Ammersee PLANT / UNLOADING POINT / CUSTOMER INTERNAL DESTINATION		S		
COUNTRY OF ORIGIN: DE		103 / 103 /				
DELIVERY NOTE NUMBER 12345678	CUSTOMER SPECIFIC ROUTING INFORMATION S1R56		ETA 2024-06-30/09:00	QUANTITY (PC) 25	NET KG 28	GROSS KG 29
CUSTOMER PART NUMBER W123456A		SEAL 				
PACKAGE-ID (1J) UN 987654321 000123456			PACKAGING TYPE CT111224			EXPIRY DATE E 2025-06-24
			BATCH NUMBER CH1234			ENGINEERING CHANGE / HARDWARE REV. / SOFTWARE REV. A / /
SUPPLIER AREA 			CONTENT DEFINED BY SUPPLIER			CUSTOMER DATA LINE 1 CUSTOMER DATA LINE 2 CUSTOMER DATA LINE 3 CUSTOMER DATA LINE 4 CUSTOMER DATA LINE 5

Figure 21 - Filled in Single Label A5 example for homogenous Handling Units or inner packaging

SHIP FROM SUPPLIER INC. WERK BERLIN BERLIN DE-10117 ID: 887766554		SHIP TO Webasto Roof & Components SE Plant Utting DE 86919 Utting am Ammersee PLANT / UNLOADING POINT / CUSTOMER INTERNAL DESTINATION		S		PACKAGING TYPE CT222333	SHIPMENT DATE S 2024-06-29
COUNTRY OF ORIGIN: DE		103 / 103 /				BATCH NUMBER CH1234	ENGINEERING CHANGE / HARDW. REV. / SOFTW. REV. A / /
DELIVERY NOTE NUMBER 12345678	CUSTOMER SPECIFIC ROUTING INFORMATION S1R56		ETA 2024-06-30/09:00	QUANTITY (PC) 25	GROSS KG 29	NET KG 28	CUSTOMER DATA LINE 1 CUSTOMER DATA LINE 2 CUSTOMER DATA LINE 3 CUSTOMER DATA LINE 4 CUSTOMER DATA LINE 5
CUSTOMER PART NUMBER W123456A		SEAL 					
PACKAGE-ID (1J) UN 987654321 000123456			SUPPLIER DATA CONTENT DEFINED BY SUPPLIER				
							

Figure 22 - Filled in Single Label SLC1 example for inner packaging

SHIP FROM ID 887766554	SHIP TO Webasto Roof & Components SE	DELIVERY NOTE 12345678		PACKAGING TYPE CT444555	EXPIRY DATE E 2025-06-24
SUPPLIER NUMBER 654321	POINT OF USE	ROUTING CODE S1R56		BATCH NUMBER CH1234	ENGINEERING CHANGE / HARDWARE REV. / SOFTWARE REV. A / /
		1J UN 987654321 000123458	CONTENT DEFINED BY SUPPLIER		
PART NUMBER W123456A	SEAL 	QUANTITY 25	UoM PC	CUSTOMER DATA LINE 1 CUSTOMER DATA LINE 2 CUSTOMER DATA LINE 3	

Figure 23 - Filled in Single Label SLC2 example for inner packaging

For additional detailed information, please consult the chapter 5 of the “VDA 4994 Global Transport Label” guideline.

5 Identification of packing and handling units³

In the complex and often multi-stage logistics processes that prevail in the automotive industry, correct identification of the individual packages (packaging units) and loading units (handling units) is crucial for the efficient control of the various process steps. It is therefore necessary to devise a global identification system that covers all packages and loading units.

As an alternative to the Package ID (license plate), Webasto accepts the SSCC18 number as the globally unique identifier for a package or loading unit.

Both numbering systems are permitted: the Package ID, as detailed in chapter 6 of the "VDA 4994 Global Transport Label" guideline and the SSCC18 (Serial Shipping Container Code).

To ensure compatibility with the existing systems, the serial number must be numeric with 9 digits (with added leading zeros, if necessary).

To avoid any issues with barcode scanning and content, please ensure to test and obtain acceptance from the receiving Webasto plant in advance.

A package identifier (package ID), and the data identifier (DI) have the following structure:

Table 4 - General structure of package ID

DI	IAC	CIN	SN
Data Identifier	Issuing Agency Code	Company Identification Number (DUNS)	Serial Number
an..2	an2	an..9	n9
1J	UN	987654321	123345001



Figure 24 - Example of package ID

Table 5 - Admissible data identifiers

J	Unique package ID of a bundle in the empty packages process
1J	Unique package ID of inner packaging (Single Label)
3J	Unique package ID of JIS loading unit with compartments
4J	Unique package ID of JIS loading unit with 1...n JIS packages
6J	Unique package ID of loading unit or intermediate packaging containing identical parts (Master Label for homogeneous loading unit)

6 Barcode (128 code) and 2D data matrix code⁴

The structure of the barcode and its conformity with the applicable standard must be verified with an IT tool. The barcode quality must be verified as follows: for code 128 according to ISO/IEC 15416; for 2D codes according to ISO/IEC 15415. These standards include test specification to determine the quality of the barcode.

The term "License plate" refers to a globally unique identification number for any type of packaging. The license plate number required for the Webasto GTL is based on the DUNS number.

The data identifier for the license plate (e.g., 1J) shall be displayed only in the header of the data field on the label. In the data matrix code, it must precede the license plate number.

The uniqueness of the issued license plate number for a packaging ID must be maintained for at least five years.

6.1 1D barcode

The barcode is a code 128 barcode. It contains the package ID (License Plate / SSCC18). In readable versions, the data identifier (1J, 6J) is omitted. Otherwise, the barcode corresponds to the readable version of the package ID. Spaces are only included to make the printed text more readable but are omitted in code 128.

Label format	Height (at least)	Width (at least)	Quiet zone
A5 / Half letter	20 mm	130 mm	- 6 mm to the left edge - 5 mm to the right edge - 1 mm to the top and bottom
Other labels (e.g., SLC1)	15 mm	100 mm	- 6 mm to the left edge - 5 mm to the right edge - 1 mm to the top and bottom

Table 6 - Size of 1D barcodes

It is not allowed to add additional 1D Barcodes with different content on the GTL.

6.2 2D Data Matrix code (DMC)

6.2.1 Symbol size

The data matrix code is a Data Matrix ECC 200 code (see also ISO/IEC 16022). The height / width of the modules (x) is min. 0,3 mm and should not exceed 0,5 mm.

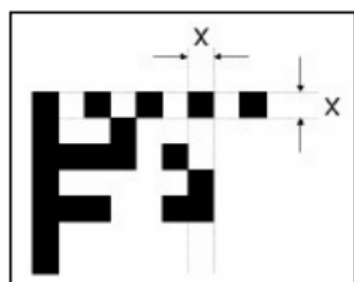


Figure 25 - Module dimensions for code symbol module (x)

The blank area around the Data Matrix code must correspond to minimum twice the module widths at all sides of the code.

Based on the available area (A6 and SLC / KLT labels: 20 mm x 20 mm) and the minimum size of the modules (0,3 mm), the matrix consists of 52 x 52 modules. The maximum size of the Data Matrix symbol is thus 304 characters (including control characters).

6.2.2 Message structure according to ISO 15434

Each Data Matrix symbol contains one message whose structure is based on ISO/IEC 15434. In each Data Matrix code, the data flow might start with control character "Macro 06" (character 237), indicating that data identifiers according to ISO/IEC 15418, part ANS 10.8.2 Data Identifiers are being used. In each symbol, control character "Macro 06" replaces the ISO/IEC 15434 control sequence with preamble "]>^Rs06^Gs" preceding the data and post-amble "^Rs^EO_T." at the end of the data string.

As an alternative to "Macro 06", the above control characters might be used. The separator between the data elements preceded by individual ASC data identifiers (DIs) is the Group Separator "^Gs".

Table 7 - Control characters

ASCII	Hex	Decimal	Description
]>	5B, 29, 3E	91, 41, 62	Compliance Indicator
^R s	1E	30	Format Trailer Character
06	30, 36	48, 54	Format identifier for "ASCII DIs"
^G s	1D	29	Data Field Separator
^E O _T	04	4	Message Trailer

The user data will be included after the format identifier "06" and "GS" with preceding data identifier in the syntax, each separated with a separator "GS":

]>^Rs06^Gsdata element 1^Gsdata element 2^Gsdata element n^Rs^EO_T

6.2.3 User data for coding in Data Matrix

The following user data must be included in the Data Matrix code:

Table 8 - Data elements in the 2D data matrix code

Sequence of data fields	Data identifier	Master	Single	Remarks
Identification of specification	12P	X	X	Constant value 12PGTL3
Specification version	9K	X	X	e.g., 9K15 for version 1.5
License plate or SSCC18 (Package ID)	1J or 6J	X (6J)	X (1J)	e.g., 1JUN987654321123456789
Material No. Webasto	P	X	X	e.g., PW1234567 (Alphanumeric; no special characters allowed, nor blanks allowed)
Index / Revision level	2P	C	C	To be provided if material is engineering change level relevant and not directly embedded in Webasto's material number e.g., 2PA
Supplier Batch No.	1T	C	C	Only if used by supplier e.g., 333444
Quantity	Q	X	X	Use full stop as "decimal point" e.g., Q1000; or Q5.6
Unit of measure	3Q	X	X	e.g., 3QPC
Order No. Webasto	K	X		e.g., K5500123456
Order item Webasto	4K	X		e.g., 4K00010
Delivery note Supplier	2S	X		e.g., 98765432
Kanban-ID Webasto	15K	C	C	Only if Kanban process is installed
Supplier No. at Webasto	V	X	X	e.g., 600700 (only numeric)
Gross Weight in KG	2Q	X	X	Only numbers, full stop as separator e.g., 2Q12.4
Production date	16D	X	X	Format: CCYYMMDDHHMM (e.g., 16D202407152359)
Used by / expiry date	14D	C	C	Only if expiry date exists, and preferably, SLED Format: CCYYMMDDHHMM (e.g., 14D202412312359)
Additional part information	23P	C	C	Only when specifically required by Webasto SCM department and aligned with Supplier

X – Mandatory

C – Conditional (see remarks in Table 8)

Example of a valid Data Matrix code, using the information from Table 7 - Control characters and Table 8 - Data elements in the 2D data matrix code:

Master Label

]>^{R_s}06^{G_s}12PGTL3^{G_s}9K15^{G_s}6JUN987654321123456789^{G_s}PW1234567B^{G_s}2P^{G_s}1T333444^{G_s}Q1000^{G_s}3
 QPC^{G_s}K5500123456^{G_s}4K00010^{G_s}2S98765432^{G_s}15K^{G_s}V600700^{G_s}2Q60^{G_s}16D202407152359^{G_s}14D20
 2412312359^{G_s}23P^{R_s}EO^T

Single Label

]>^{R_s}06^{G_s}12PGTL3^{G_s}9K15^{G_s}1JUN987654321123456777^{G_s}PW1234567B^{G_s}2P^{G_s}1T333444^{G_s}Q1000^{G_s}3
 QPC^{G_s}K^{G_s}4K^{G_s}2S^{G_s}15K^{G_s}V600700^{G_s}2Q12.4^{G_s}16D202407152359^{G_s}14D202412312359^{G_s}23P^{R_s}EO^T

7 Appendix

A Font size for fields in GTL

Table 9 - Font size for fields in GTL

Field	Data field	Short description	Font	Font	Font	Font
			A5	KLT 210x74	Small 210x42	A6
A1	Ship-from name 1	Name of ship-from	10	10		10
A1	Ship-from post code	Post code of ship-from	10	10		10
A1	Ship-from location	Ship-from's location	10	10		10
A1	Ship-from country	ISO 3166-1 alpha-2 code of the ship-from	10	10		10
A1	Ship-from unique ID	Ship-from ID number	10	10		10
A1	Country of origin	ISO 3166-1 alpha-2 code of the country of origin	10	10		10
A2	Ship-to name 1	Name of ship-to	12	12	12	12
A2	Ship-to post code	Ship-to's post code	12	12		12
A2	Ship-to location	Ship-to's location	12	12		12
A2	Ship-to country	ISO 3166-1 alpha-2 code of the ship-to	12	12		12
A2	Ship-to plant number	Ship-to's plant ID number	30	18		18
A2	Unloading point	Unloading point (where the means of transport is being unloaded)	30	18		18
A2	Customer internal destination	Additional Internal destination at customer's side after unloading (warehouse / storage)	30	18	12	18
A3	Label type	Type of Label M=Master, S= Single	48	48		48
B1	Supplier number	Supplier number of the ship-from plant assigned by customer	18	12	12	10
B1	Delivery note number	Delivery note number, issued by supplier (maybe in some cases DESADV number?)	18	12	12	10
B2	Customer specific routing	Customer specific routing	36 22 ⁵	24 18	12	24 22
B2	Place of consumption	Place where items are used in production	36 22	24 18		24 22
B3	Requested/expected time of arrival	Time of arrival, requested by customer	14	12		14
B3	Quantity	Quantity per loading unit (Master label) or per pack (Single label)	30	24	18	24
B3	Unit of measure	Abbreviation of the unit of measure	6	6	6	6
B3	Gross weight	Gross weight of the loading unit or inner packaging item	20	12		14
B3	Net weight	Net weight of the loading unit or inner packaging item	20	12		14
C	Customer's part number	Part number assigned by customer	36	24	18	28
C	Customer's part description	Part description according to customer's nomenclature	10	10	10	10
C	Left / Right sign	Left / Right visual aid for parts	36	24	18	36
C	Safety sign	Symbol to mark safety relevant parts				
D1	License plate (UUID)	Globally unique package ID of the package / loading unit	24	12	8	20
D2	Package type code	Type of package code according to receiver's codification	16	12	12	12
D2	Shipment date	Date and time of scheduled shipment	16	12		12
D2	Expiry date	Best before date	16	12	12	12
D2	Production date	Date of production	16	12	12	12
D2	Batch number / lot number	Batch number / lot number (suppl. Ass.)	16	12	12	12
D2	Hardware status	Hardware status	16	12		12
D2	Software status	Software status	16	12		12
D2	Engineering change ID	Engineering change ID	16	12	12	12
D2	Number of inner package items	Number of inner packages in a loading unit	24	24		24
E1	Supplier specific information	Supplier specific information for supplier's use only	tbd	tbd	tbd	tbd
E2	Customer specific information	Additional, customer specific information for customer's use only	14	12		14

B Data fields and match to EDI messages

Table 10 - Data fields and match to EDI messages

Field	Data field	Short description	VDA 4984 - Global DELFOR (V2.2, 2020-12)	VDA 4985 - Global DELJIT (JIT) (V2.2, 2020-12)	VDA 4987 - Global DESADV (V2.6, 2021-06)
A1	Ship-from name 1	Name of ship-from	SG2/NAD+SF DE 3036	SG2/NAD+SF DE 3036	SG2/NAD+SF DE 3036
A1	Ship-from post code	Post code of ship-from	SG2/NAD+SF DE 3251	SG2/NAD+SF DE 3251	SG2/NAD+SF DE 3251
A1	Ship-from location	Ship-from's location	SG2/NAD+SF DE 3164	SG2/NAD+SF DE 3164	SG2/NAD+SF DE 3164
A1	Ship-from country	ISO 3166-1 alpha-2 code of the ship-from	SG2/NAD+SF DE 3207	SG2/NAD+SF DE 3207	SG2/NAD+SF DE 3207
A1	Ship-from unique ID	Ship-from ID number	SG2/NAD+SF DE 3039	SG2/NAD+SF DE 3039	SG2/NAD+SF DE 3039
A1	Country of origin	ISO 3166-1 alpha-2 code of the country of origin			SG17/ALI DE 3239
A2	Ship-to name 1	Name of ship-to	SG7/NAD+ST DE 3036	SG2/NAD+SF DE 3036	SG2/NAD+ST DE 3036
A2	Ship-to post code	Ship-to's post code	SG7/NAD+ST DE 3251	SG2/NAD+SF DE 3251	SG2/NAD+ST DE 3251
A2	Ship-to location	Ship-to's location	SG7/NAD+ST DE 3164	SG2/NAD+SF DE 3164	SG2/NAD+ST DE 3164
A2	Ship-to country	ISO 3166-1 alpha-2 code of the ship-to	SG7/NAD+ST DE 3207	SG2/NAD+SF DE 3207	SG2/NAD+ST DE 3207
A2	Ship-to plant number	Ship-to's plant ID number	SG7/NAD+ST DE 3039	SG2/NAD+SF DE 3039	SG2/NAD+ST DE 3039
A2	Unloading point	Unloading point (where the means of transport is being unloaded)	SG7/NAD+ST/LOC+11 DE 3225	SG5/LOC+11 DE 3225	SG2/NAD+ST/LOC+11 DE 3225
A2	Customer internal destination	Additional Internal destination at customer's side after unloading (warehouse / storage)	SG7/LOC+7 or SG12/LOC+7 DE 3225	SG5/LOC+17 DE 3225	SG22/LOC+7 DE 3225
A3	Label type	Type of Label M=Master, S= Single	-	-	SG14/PCI+17 DE 7511
B1	Supplier number	Supplier number of the ship-from plant assigned by customer	SG2/NAD+SE DE 3039	SG2/NAD+SE DE 3039	SG2/NAD+SE DE 3039
B1	Delivery note number	Delivery note number, issued by supplier (maybe in some cases DESADV number?)	-	-	SG20/RFF+AAU DE 1154
B2	Customer specific routing	Customer specific routing	-	SG10/RFF+AMU DE 1154	SG20/RFF+AMU DE 1154
B2	Place of consumption	Place where items are used in production	SG12/LOC+159 DE 3225		SG22/LOC+159 DE 3225
B3	Requested/expected time of arrival	Time of arrival, requested by customer	SG19/DTM+2 DE2380	SG5/DTM+2 DE2380	DTM+2/132 DE 2380
B3	Quantity	Quantity per loading unit (Master label) or per pack (Single label)	-		SG17/QTY+52 DE 6060 (M-Label)
B3	Unit of measure	Abbreviation of the unit of measure	-		SG17/QTY+52 DE 6411 (M-Label)
B3	Gross weight	Gross weight of the loading unit or inner packaging item	-	-	SG17/MEA+AAZ+AAB DE 6314
B3	Net weight	Net weight of the loading unit or inner packaging item	-	-	SG17/MEA+AAZ+AAA DE 6314
C	Customer's part number	Part number assigned by customer	SG12/LIN DE 7140	SG8/LIN DE 7140	SG19/LIN DE 7140
C	Customer's part description	Part description according to customer's nomenclature	SG12/IMD DE 7008	SG8/IMD DE 7008	SG19/IMD DE 7008
C	Left / Right sign	Left / Right visual aid for parts			
C	Safety sign	Symbol to mark safety relevant parts	-	-	Master data

Field	Data field	Short description	VDA 4984 - Global DELFOR (V2.2, 2020-12)	VDA 4985 - Global DELJIT (JIT) (V2.2, 2020-12)	VDA 4987 - Global DESADV (V2.6, 2021-06)
D1	License plate (UUID)	Globally unique package ID of the package / loading unit	-	-	SG16/GIN+ML DE 7402 (2)
D2	Package type code	Type of package code according to receiver's codification	SG21/PAC DE7065	SG8/PAC DE7065	SG12/PAC DE 7065
D2	Shipment date	Date and time of scheduled shipment	SG19/DTM+10 DE2380	-	DTM+11 DE 2380
D2	Expiry date	Best before date	-	-	SG15/DTM+36 or 361 DE 2380
D2	Production date	Date of production	-	-	SG15/DTM+94 DE 2380
D2	Batch number / lot number	Batch number / lot number (suppl. ass.)	-	-	SG15/GIR+1 DE 7402
D2	Hardware status	Hardware status	-	SG9/PIA+1 DE 7143 = BT	SG19/PIA+1 DE 7143 = BT
D2	Software status	Software status	SG12/PIA+1 DE 7143 = AG	SG9/PIA+1 DE 7143 = AG	SG19/PIA+1 DE 7143 = AG
D2	Engineering change ID	Engineering change ID	SG12/PIA+1 DE 7143 = EC	SG9/PIA+1 DE 7143 = EC	SG19/PIA+1 DE 7143 = EC
D2	Number of inner package items	Number of inner packages in a loading unit	-	-	SG12/QTY+189 DE 6060
E1	Supplier specific information	Supplier specific information for supplier's use only	-	-	SG14/PCI+17 DE 7102
E2	Customer specific information	Additional, customer specific information for customer's use only	SG22/PCI+16 DE 7102	SG14/PCI+16 or PCI+3 DE 7102	SG14/PCI+16 or PCI+3 DE 7102

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