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Instructions for reporting package size information

2026

Product information standard

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## 1 Reform of the Method for Reporting Logistics Data 2026

Product data is increasingly processed in machine-readable format and transferred directly between systems. This requires more precise logistics and package size information, as automated warehouses also rely on this data and transportation must be managed cost-effectively. Logistics and package size information have generated considerable discussion, and a need has emerged to reform the method of reporting logistics data in accordance with the Product Information Standard.

The reform will clarify and harmonize the provision of data and further specify the guidelines so that logistics data will better serve the information needs of the industry.

### 1.1 What will change?

The reporting of package size information will be standardized in accordance with GS1 guidelines, excluding pallet packaging.

In all Package Size fields, the quantity of products delivered must be reported (not the number of packages as previously). In addition, Package Size 1 will no longer be tied to the smallest sales unit.

At the same time, **the following new fields will be introduced: Smallest Sales Unit, Pricing Unit, Nominal Batch Size for Products Delivered on a Reel and Standard Delivery Reel Type.**

### 1.2 What is affected?

The change requires reviewing and updating the packaging size information that has already been made.

reported. It also requires changes to systems, as entirely new fields will be introduced. This is therefore a significant change, and its impact will require actions from all stakeholders.

### 1.3 What needs to be done and when?

Suppliers must review the logistics data of all their products and update them to comply with the new reporting method.

In the Sähkönumerot.fi service and in LVI-INFO, the new fields will be introduced at the beginning of March 2026. It is naturally advisable to agree on and communicate the changes with customers/wholesalers who use this data.

## 2 Supplementing Logistics Data

This guide reviews the logistics and package size information defined in the Product Information Standard and provides practical examples of how data for different types of products should be reported. The TTxxx code refers to the fields used in the Product Information Standard.

Incorrect or inconsistent package size information causes problems for both wholesalers and contractors. Carelessly reported package size data leads to incorrect purchases and deliveries, resulting in wrong quantities of products arriving at construction sites, which in turn delays projects and causes additional costs.

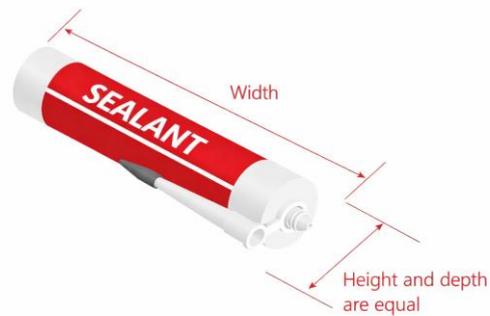
Therefore, please be especially careful when completing logistics data.

### 3 Instructions for setting up dimensions

#### 3.1 Measuring a Unit Package

The starting point for measuring unit packaging is the front of the product packaging. The front side is defined as the side of the package that mentions the name of the product and possibly other information. The dimensions are defined as follows when the front of the product is viewed from the front:

- Width is the measurement of the package from left to right
- The depth is measured from the front edge of the package to the back edge
- The height is measured from the bottom to the top of the package



### 3.1.1 Measuring Bathroom Accessories

Basic instructions for measuring various bathroom accessories:

- Unpackaged products are measured in the position in which they are used, for example, with the toilet brush upright on its rack
- If the product doesn't have a default front, the front-end is set to the page with the widest width
- The height measurement is the distance between the bottom and the highest point.
- The depth gauge is the distance between the front and trailing edges.



### 3.1.2 Wearable equipment (tool vest, fall protection, etc.)

Harnesses, tool vests, etc. Wearable gear is measured as follows:

- the product is placed on a flat surface
- Straps and straps are adjusted to the shortest possible length
- The default front side is the same as when looking at the gear put on from the front
- Height is measured from top to bottom
- the width is measured from the left edge to the right edge
- The depth is the same as the thickness of the product.



### 3.1.3 Insulation boards and mats

Insulation boards/mats such as thermal insulation boards, thermal mesh mats and fire protection boards are measured as follows:

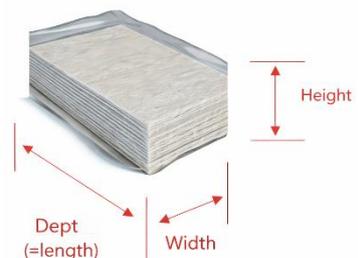
Carpets sold in square meters in rolls:

- diameter of the roller is both a height and a width measurement
- depth is from the default front edge to the back edge.



Boards sold in square meters:

- width is the measurement of the package from left to right
- depth is measured from the front edge to the back edge of the package
- height is measured from the bottom to the top edge of the package.



### 3.1.4 Small accessories sold in a box

The sales box is measured by specifying the front of the package:

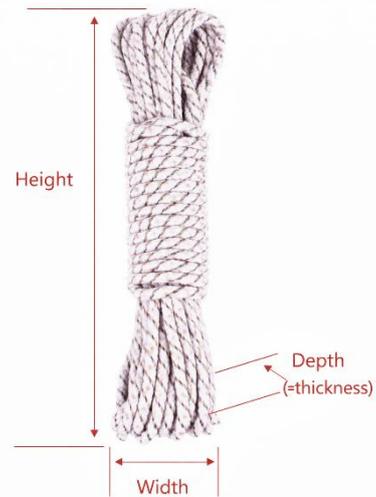
- width is the measurement of the package from left to right
- depth is measured from the front edge to the back edge of the package
- The height is measured from the bottom to the top edge of the package.



### 3.1.5 Rope bundle

Rope bundles etc. The products are measured as follows:

- The product is measured as if it were suspended from a loop
- Height is measured from top to bottom
- The width is measured from left to right
- The depth is measured from the front edge to the back edge.



### 3.1.6 Unpacked rolls/coils

Unpacked rolls can be, for example, aluminum tape, sealing tape, rope reel, etc. and are measured as follows:

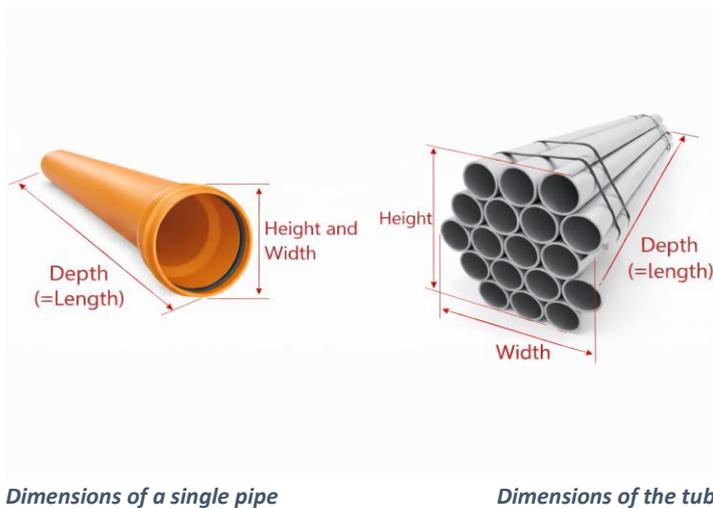
- The diameter of the roller is both the height and the width dimension
- The depth is from the default front edge to the back edge.



### 3.1.7 Uncompressed pipes/ducts

Unpackaged tube measurement:

- width is the diameter of the open end of the pipe
- The height is the diameter of the open end of the pipe, i.e. the same as the width
- If the pipe is not round, the width is the largest measurement of the open end measured from left to right
- depth is the length of the pipe
- The pipe bundle is measured by measuring the largest dimension of the default front from left to right (=width) and correspondingly the largest dimension from the bottom edge of the bundle to the top edge (=height).



### 3.2 Measuring the transport package

The measurement of the transport package begins by determining which of the walls of the package is the bottom of the package. If images or text are printed on the package, the underside and top of the package as defined by them shall be followed.

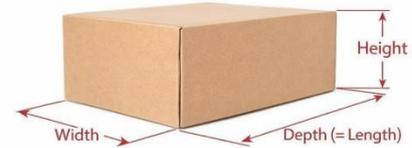
After determining the base, the product can be measured as follows:

- The height is measured from the bottom of the package to the top edge
- Width is the shorter side of the bottom of the package
- Depth (=length) is the longer side of the bottom of the package
- When measuring the package, the largest possible dimension must be measured for all dimensions, for example, taking into account possible carrying protrusions.



If the base cannot be determined, the dimensions are defined as follows:

- shortest measure is the height
- longest measurement is depth (=length)
- remaining dimension is the width.



### 3.3 Measuring pallet loads

The pallet load is measured including the pallet

- The height is measured from the bottom of the pallet package to its top edge
- width is the shorter side of the bottom of the pallet package
- The depth (=length) is the longer side of the bottom of the pallet package



### 3.4 GTIN code for the product and packaging

Individual packages and each different package size usually have their own GTIN code and are indicated in connection with the dimensions of each package size. The GTIN code of an individual package and a product is often the same, unless it is, for example, a pack of 4 batteries. Therefore, remember to provide the GTIN code of the individual product as well as the GTIN code of the product in the section (TT052) and in the Package size 0 information (TT439).

## 4 Unit of Use, Conversion Factor and Sales Unit

The unit of use, conversion factor and sales unit indicate how many products are included in one sales unit. Often, both the unit of use and the sales unit are the same, i.e. piece or meter.

All sales units currently in use:

BE = bundle	BG = bag	BO = bottle	BX = box
CI = canister	CL = reel	CX = can	KGM = kilogram
MTK = square meter	MTR = meter	MTQ = cubic meter	NMP = package
NPL = packet	NPR = pair	NRL = roll	PCE = piece
SET = set			

## 5 Product information standard package sizes 0-4

Package sizes are marked according to the instructions in this document. **If a package size is not in use, leave the field blank.**

### 5.1 Package size 0 (TT407, TT438-TT444)

Unit packaging intended for the storage of a unit sold at the point of sale to the end user (or consumer).

- Packaging closest to the product
- The terms primary packaging and consumer packaging are also used
- if the product is unpackaged, enter the dimensions of the unpackaged product and remember to also enter the measurements in the product's dimensions section (TT300 – TT304)
- Package size 0 is almost always 1.



### 5.2 Package size 1 (TT403, TT410-416)

The smallest transport package consisting of a specific number of unit packages:

- also referred to as secondary packaging or group packaging
- the number of individual products contained in Package Size 1; for example, if the transport package contains 10 light bulbs, the value 10 is entered in the PackageSize1 field.

### 5.3 Package size 2 (TT404, TT417-423)

A package size larger than the previous one. A transport package intended to facilitate the handling and transportation of group packages or sales batch packages, thereby making transport easier and helping to prevent transport damage. Pallet packages are reported under Package size 4.

- Indicate the number of individual products contained in Package Size 2.
- Example: Package Size 2 contains four (4) Package Size 1 transport packages (each containing 10 unit packages). In this case, the Package Size 2 field (TT417) should contain the total number of products included in Package Size 2, i.e. 40.
- If this package size is not used, leave these fields empty.

### 5.4 Package size 3 (TT405, TT424-TT430)

- A transport package size larger than the previous transport package size (Package Size 2), intended to facilitate the handling and transportation of the smaller transport packages.
- Indicate the number of individual products contained in **Package Size 3**. For example, if Package Size 3 contains four (4) **Package Size 2** packages, the total number of products it contains is **160**, which should be entered in this field.
- If this package size is not used, leave these fields empty.

### 5.5 Package size 4 (TT406, TT431-TT437)

**Pallet packaging**, i.e. the number of products delivered on a pallet.

- Indicate the number of individual products contained in the **entire pallet package**, for example **8 packages of Package Size 3**, i.e. a total of **1,280 individual products**.

Package size	What's in the Box	Package	Number of products in the package
Package size 0 TT438=1			1 lamp
Package size 1 TT410 = 10	10 x 		10 lamps
Package size 2 TT417=40	4 x 		4 x package size 1= 40 lamps
Package size 3 TT424=160	4 x 		4 x Package size 2= 160 lamps
Package size 4 = pallet TT431 = 1280	8 x 		8 x Package size 3 = 1280 lamps

## 6 Cables delivered on reels

### 6.1 Package size 0

- Length is always 1000 mm
- Width is the cable diameter
- Height is the cable diameter
- Weight is the weight of one meter of cable



### 6.2 Package size 1

- Basic packaging unit of the cable, e.g. **cable bundle/reel**
- The number of products is the total length of the cables in the package
- Height is the diameter of the cable reel/cable bundle
- Width is the diameter of the cable reel/cable bundle
- Length (depth) is the measurement of the cable reel/cable bundle from the front edge to the back edge of the reel/bundle

### 6.3 Package size 2

- Not used for reel products
- e.g. transport box containing x number of cable bundles
- Indicate the total length of the cables in the package
- If this package size is not used, leave these fields empty



### 6.4 Package size 3

- A package size larger than the previous package size
- If this package size is not used, leave these fields empty

### 6.5 Package size 4

- Pallet package
- Indicate the total number of meters of cable contained in the pallet package
- If this package size is not used, leave these fields empty

## 7 Examples

Product Information Standard 2026 (excel)

Upload the latest version of the template: [sähkönumerot.fi](http://sähkönumerot.fi) , [LVI-INFO](http://LVI-INFO)

Individual product - f.ex. Luminaire	
TT052	Products GTIN code has it's own column
TT400	Unit of use PCE
TT402	Sales unit PCE
<b>TT408</b>	<b>Minimum sales lot 100</b>
<b>TT620</b>	<b>Pricing unit PCE</b>
<b>TT401</b>	<b>Conversion factor 1</b>

The minimum sales lot is the smallest quantity of products that the supplier delivers to the wholesaler, often the same as the MOQ.

The pricing unit can be meter, liter, piece, square meter, normally PCE or MTR

The conversion factor is 1, meaning that there is 1 individual product unit in the consumer package.

The packaging type must be specified if the package size is stated.

	Package size	Packaging type	Amount of sales lot - mostly 1 / total length of cable	GTIN-code / package	Lenght	Width	Height	Weight	Volume
TT438	Package size0	BX	1		50	50	50	0,050	0,13
TT410	Package size1	BX	10		100	100	100	0,500	1,00
TT417	Package size2	BX	100		300	300	200	5,000	18,00
TT424	Package size3								
TT431	Package size4	PX-EUR	1000		1200	800	1200	85,000	1152,00

Package size0



Package size1



Package size2



Package size4



### Individual product - f.ex. Washbasin faucet

TT052	Products GTIN code has it's own column.							
TT400	Unit of use	PCE						
TT402	Sales unit	PCE						
<b>TT408</b>	<b>Minimum sales lot</b>	<b>100</b>						
<b>TT620</b>	<b>Pricing unit</b>	<b>PCE</b>						
<b>TT401</b>	<b>Conversion Factor</b>	<b>1</b>						
	Package Size	Packaging type	Amount	Lenght (depth)	Height	Width	Weight	Volume
TT438	Package Size 0	BG	1	50	50	50	0,050	0,13
TT410	Package Size 1	BG	10	100	100	100	0,500	1,00
TT417	Package Size 2	BX	100	300	300	200	5,000	18,00
TT424	Package Size 3							
TT431	Package Size 4	PX-EUR	1000	1200	1200	800	85,000	1152,00

The conversion factor means that there is 4 individual products in the "consumer" package.

**Multipack**

The pricing unit in this sample is PCE (package size 0)

- 4pcs batteries (blister)

Package size 0 = 1 battery pack = 4 individual batteries in the package  
 Package size 1 = 20 battery packs, i.e. 4 × 20 = 80 individual batteries  
 Package size 2 = 160 battery packs, i.e. 4 × 160 = 640 individual batteries  
 Package size 3 = the product does not have this package size, leave empty  
 Package size 4 = 1280 battery packs, i.e. 4 × 1280 = 5120 batteries

TT052	Products GTIN code has it's own column								
TT400	Unit of use	PCE							
TT402	Sales unit	NPL							
TT408	Minimum sales lot		20						
TT620	Pricing unit	PCE							
TT401	Conversion factor	4							
	Package size	Packaging type	Amount of sales lot - mostly 1 / total length of cable	GTIN-code / package	Lenght	Width	Height	Weight	Volume
TT438	Package size0	NPL	1		100	20	50	0,050	0,10
TT410	Package size1	BX	20		100	200	500	0,500	10,00
TT417	Package size2	BX	160		100	400	800	5,000	32,00
TT424	Package size3	-	-	-	-	-	-	-	-
TT431	Package size4	PX-EUR	1280		1200	800	1000	85,000	960,00



**Multipack**

Bag of 100 screws. Minimum sales quantity: 10 bags. Minimum shipping package size: 10 bags. Pricing unit: piece.

TT052	Products GTIN code has it's own column.							
TT400	Unit of use	PCE						
TT402	Sales unit	PCE						
TT408	Minimum sales lot	10						
TT620	Pricing unit	PCE						
TT401	Conversion Factor	100						
	Package Size	Packaging type	Amount	Lenght (depth)	Height	Width	Weight	Volume
TT438	Package Size 0	BG	1	100	20	50	0,050	0,10
TT410	Package Size 1	BG	10	100	200	500	0,500	10,00
TT417	Package Size 2	BX	100	100	400	800	5,000	32,00
TT424	Package Size 3							
TT431	Package Size 4	PX-EUR	5000	1200	1200	800	85,000	1152,00

**CABLE**

- Cable supplied on a standard reel (K6, K8, etc.), sold by the meter (minimum order quantity is 1 m), in which case the nominal batch size of 500 m must also be specified.

TT052	Products GTIN code has its own column	
TT400	Unit of use	MTR
TT402	Sales unit	MTR
TT408	Minimum sales lot	1
TT620	Pricing unit	MTR
TT401	Conversion factor	1
TT409	Nominal delivery length	500
TT451	Standard delivery reel type	K6

The cable length on the reel in the standard delivery lot, but which is ordered by the meter rather than as full reels (it can be ordered f.ex. 470m).

	Package size	Packaging type	Amount of sales lot - mostly 1 / total length of cable	GTIN-code / package	Lenght	Width	Height	Weight	Volume
TT438	Package size0								
TT410	Package size1	CL	500		715	1000	1000	80	715,00
TT417	Package size2								
TT424	Package size3								
TT431	Package size4	PX-EUR	2000		1200	1200	800	320,000	1152,00

Same as the information provided in the product dimensions, i.e. the weight and volume of a one-meter length of cable, and the cable diameter is specified as both the height and the width.

Cable coil or similar product supplied in packaging, f.ex. plastic wrapped (not a reel product.)

TT052	Products GTIN code has its own column	
TT400	Unit of use	MTR
TT402	Sales unit	BE
TT408	Minimum sales lot	200
TT620	Pricing unit	MTR
TT401	Conversion factor	50
TT409	Nominal delivery length	-
TT451	Standard delivery reel type	-

The conversion factor means that there is 50m in individual package

For cable products, the total number of meters contained in the package must always be specified, including pre-cut packaged cables such as cable bundles.  
 Package size 0 has 50m  
 Package size 1 has 200m (=4 bundles)

	Package size	Packaging type	Amount of sales lot - mostly 1 / total length of cable	GTIN-code / package	Lenght	Width	Height	Weight	Volume
TT438	Package size0	NPL	50		240	70	240	4,000	4,03
TT410	Package size1	BX	200		240	140	480	16	16,13
TT417	Package size2	BX	600		480	210	480	48,000	48,38
TT424	Package size3								
TT431	Package size4								

**Pack of 3 insulation boards.** Minimum sales quantity: 1 pack (=3 m<sup>2</sup>). Pricing unit: m<sup>2</sup>.

TT052	Products GTIN code has it's own column.							
TT400	Unit of use	MTK	m <sup>2</sup>					
TT402	Sales unit	NMP						
TT408	Minimum sales lot	10						
TT620	Pricing unit	MTK	m <sup>2</sup>					
TT401	Conversion Factor	3						
	Package Size	Packaging type	Amount	Lenght (depth)	Height	Width	Weight	Volume
TT438	Package Size 0	NMP	1	1200	200	600	17,390	144,00
TT410	Package Size 1							
TT417	Package Size 2							
TT424	Package Size 3							
TT431	Package Size 4	PX-EUR	23	1200	2550	1200	431,470	3672,00

**Pipes**

Drain pipe (3 m), unit of use: meter, pricing unit: meter.

TT052	Products GTIN code has it's own column.							
TT400	Unit of use	MTR						
TT402	Sales unit	PCE						
TT408	Minimum sales lot	25						
TT620	Pricing unit	MTR						
TT401	Conversion Factor	3						
	Package Size	Packaging type	Amount	Lenght (depth)	Height	Width	Weight	Volume
TT438	Package Size 0	NE	1	3000	100	100	6,000	30,00
TT410	Package Size 1							
TT417	Package Size 2							
TT424	Package Size 3							
TT431	Package Size 4	PX-EUR	25	3000	1500	800	170,000	3600,00

Drain pipe (3 m). Unit of use: meter. Pricing unit: piece.

TT052	Products GTIN code has it's own column.							
TT400	Unit of use	MTR						
TT402	Sales unit	PCE						
TT408	Minimum sales lot	25						
TT620	Pricing unit	PCE						
TT401	Conversion Factor	3						
	Package Size	Packaging type	Amount	Lenght (depth)	Height	Width	Weight	Volume
TT438	Package Size 0	NE	1	3000	100	100	6,000	30,00
TT410	Package Size 1							
TT417	Package Size 2							
TT424	Package Size 3							
TT431	Package Size 4	PX-EUR	25	3000	1500	800	170,000	3600,00