

Manual Metric/Imperial Units Compano Online Software

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1 Introduction

This manual describes the use of both *metric* and *imperial* units and their automatic conversion, as implemented in COS.

Some class features of the ETIM classification system allow for both Metric and Imperial units. Thus, product information can be recorded in either metric or imperial units, or both. These mapped ETIM classification features then get an EFI01234 (imperial) variant next to the regular ETIM feature EF001234. For COS this meant that user-defined fields that are mapped to ETIM features also needed to have an option to enter an Imperial value.

To allow for this 'double' recording of values, Imperial units needed to be added to COS including an easy conversion of metric to imperial values and vice-versa In addition, an option to overrule this automatic conversion in case of nominal values (i.e. DN) was also a requirement.

1.1 Concepts

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Metric system

The metric system is a system of measurement that succeeded the decimalised system based on the metre that had been introduced in France in the 1790s. The historical development of these systems culminated in the definition of the International System of Units (SI) in the mid-20th century, under the oversight of an international standards body. The metric system consists of a basic set of units of measurement, now known as *base units. Derived units* were built up from the base units using logical rather than empirical relationships while multiples and submultiples of both base and derived units were *decimal-based* and identified by a standard set of prefixes (kilo, milli, centi, etc.). The Metric (IS) system has been adopted as the official system of weights and measures by all nations in the world except for Myanmar, Liberia, and the United States.

Examples: Metre, Celsius, Gram, Litre

Imperial system

The imperial system of units, imperial system or imperial units (also known as British Imperial[1] or Exchequer Standards of 1826) is the system of units first defined in the British Weights and Measures Act 1824 and continued to be developed through a series of Weights and Measures Acts and amendments. The Imperial system is mainly used in English-speaking countries with a historic relations to the British empire: United Kingdom, India, Canada, Australia, New Zealand, Ireland, etc.). The United States makes use of the United States Customary system, which is only partly derived from the Imperial system; Americans use customary units in commercial activities, as well as for personal and social use. In science, medicine, many sectors of industry, and some government and military areas, metric units are used.

Examples: Inch, Fahrenheit, Ounce, Gallon

1.2 Imperial units

Imperial units in COS follow from the *Imperial System (IS)*. By default the following Imperial units can be added to the application, see below. Additional Imperial units can be added manually.

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•	Code	Туре	Factor System	Description
Þ	<u>FAH</u>	Temperature	1.80 Imperial	Temperature (FAH)
	FOT	Length	0.30 Imperial	Foot
	<u>FTK</u>	Surface	0.09 Imperial	Square foot
	<u>FTQ</u>	Volume	0.03 Imperial	Cubic foot
	GLL	Volume	0.00 Imperial	Gallon
	INH	Length	0.03 Imperial	Inch
	INK	Surface	0.00 Imperial	Square inch
	<u>LBR</u>	Weight	0.45 Imperial	Pound (imperial)
	<u>ONZ</u>	Weight	0.03 Imperial	Ounce
	<u>OZA</u>	Volume	0.00 Imperial	Fluid ounce (VS)
	PSI	Pressure	6894.76 Imperial	Pressure (PSI)
	STN	Weight	907.18 Imperial	Short ton (VS)

Figure 1. Default Imperial units in COS

1.3 Automatic conversion

Most metric-imperial conversions can be accomplished with a the use of a *factor*. For instance: 1 inch equals 2,54 centimetres. An exception to this is the conversion of degrees Celsius to Fahrenheit.

As a result, metric and imperial units in COS are converted automatically to the 'other' system by use of a factor. For Imperial units, conversion factors to Metric units have been added to the unit, for example:

Edit - INH Inch		
Unit Translations		
Туре	Length 🗸	
System	Imperial V	
Code	INH INH	
Abbreviation	in 🗌 Automatic	
Description	Inch Qutomatic	
Plural description	Inches Automatic	
ICS Unit	Inch 👻	
Factors		
Factor	0.025400000000000 meter	
	Edit the previous on Edit the next one Save record Cancel	

Some conversion factors are an approximation. Where more (or less) accuracy is needed, conversions can also be done manually, which overrides the automatic conversion of units. An alternative options would be to manually adjust the conversion Factor of the Unit.

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Imperial units can only be used with user-defined fields of types *Decimal* and *Range¹*. For more information on user-defined fields, see the following manuals, which are available on the <u>Compano</u> <u>Help-website</u>:

- Manual User-defined Fields (L03)
- Manual Mapping User-defined Fields (L03)

To incorporate Imperial units, the following solutions were implemented:

- Add imperial units to user-defined fields
- Automatic conversion of imperial to metrical units and vice-versa
- Option to overrule automatic conversion

Some solutions and features that still need to be implemented:

- Conversion of system fields such as *Length, Width, Height, Weight* and *Volume* on the entities Product and Item.
- Option to export data with Imperial units in an exchange format that supports ETIM (Dynamic), for instance BMEcat 2005 ETIM Guideline 5 will not contain any EFI#####-values.

2.1 Adding imperial units

Imperial units are not available in COS by default. To add the most commonly used Imperial units:

1. Through the Menu, go to System > Configuration.



2. Under Edit, click on *+Imperial* to add the most common imperial units to the application:

¹ Situation as of 5 September 2022; system field conversion will be added at a future date.

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Units Menu	View	Edit	Fu
▶			- (
Filter			s
Navigation		۲	
Configuration			
Edit		۲	
Units metric			
Imperial			
- Add			

<u>Note</u>: The *+Imperial* function only adds the *twelve* most commonly used imperial units. Additional imperial units need to be added manually.

2.1.1 Manually add additional imperial units

To add any additional imperial units:

1. Through the Menu, go to *System > Configuration*:



2. Under Edit, click on +Add to add an imperial units of your own choosing to the application, for instance **Dots per inch**:

Units Menu	View	Edit	Fi
Filter			:
Navigation		۲	1
Configuration			
Edit		۲	
Units metric			
Imperial			
Add			
Modify			_

3. In the pop-up window:

Unit Translations		
ype	Other 🗸	
System	Imperial 🗸	
Code	I DPI	
Abbreviation	DPI	
Description	Dots per inch	
Plural description	Dots per inches	
ICS Unit	Dots per Inch	- 🗙
Factors		
Factor	1.000000000000000	
	Add next record Save record	Cancel

- a. Type: Select a unit type, for instance **Length**, **Surface**, etc. Use the **Other** type for any other units.
- b. System: Select the Imperial system.
- c. Code: Type a code for the unit. The Unit Code may consist numbers and/or characters.
- d. Abbreviation: (optional). Type an abbreviation for the unit.
- e. Description: Type a description for the unit.
- f. Plural description: Type a plural description for the unit.
- g. ICS unit: Select the appropriate ICS unit. <u>Note</u>: You can search for the unit by typing (key)words into the selection box.
- h. Factor: (optional). For some units a conversion factor can be set; these are: Length, Surface, Volume, Weight and Pressure.
- 4. Click on Save record.

The unit will now be added to the list of available units:

	Code	Туре	Factor System	Description
	<u>FTQ</u>	Volume	0.03 Imperial	Cubic foot
	GLL	Volume	0.00 Imperial	Gallon
	<u>LBR</u>	Weight	0.45 Imperial	Pound (imperial)
	<u>OZA</u>	Volume	0.00 Imperial	Fluid ounce (VS)
	FOT	Length	0.30 Imperial	Foot
	<u>INH</u>	Length	0.03 Imperial	Inch
	<u>FTK</u>	Surface	0.09 Imperial	Square foot
	INK	Surface	0.00 Imperial	Square inch
	<u>ONZ</u>	Weight	0.03 Imperial	Ounce
•	<u>DPI</u>	Other	1.00 Imperial	Dots per inch
	<u>FAH</u>	Temperature	1.80 Imperial	Temperature (FAH)
	PSI	Pressure	6894 76 Imperial	Pressure (PST)

2.2 Using imperial units

To use Imperial units, simply select a unit type for both the Metric and Imperial unit of the userdefined field, for instance:

User def field Tooltip Memo	Translations	
Name	Bore	
Normalized name	Bore	
Sequence	53	
Гуре	Decimal 🗸	
Label	Bore	
Header	Bore	Automatic
Field chapter	03. valve options	
Style		
Number notation	Standard	~
Jnit	MMT Millimeter	- 🗙
Imperial	INH Inch	- 🗙
Special		
Default value		

Conversion from metric to imperial values and vice-versa is 'automatic'. For instance:

l	Bore	30.00	Millimeter
	Bore (imperial)	1.18	Inch 🗹 Automatic

Unchecking the *Automatic* tick box will allow you to set a different factor²:

Bore	i	30.00	Millimeter 🗌 Automatic
Bore (imperial)	i	1.20	Inch 🗌 Automatic

<u>Note</u>: Conversion factors are managed for each unit, under *System > Configuration > Unit*.

² This is a good option when working with nominal values, for instance Nominal Pipe Size or DN.

nline Software	7	•	,
0			
and			
dш			
3			
N.S.			

eter	vierkante centimeter		una	Square centime	ter
Edit - FOT Foot					
Unit Translat	ons				
Туре		Length	~		
System		Imperial	~		
Code	(1)	FOT			
Abbreviation		ft			
Description		Foot			
Plural description		Feet			
ICS Unit		Foot			• *+ /
Factors					
Factor		0.30480000000000	00 meter		
	Edit	the previous on	Edit the next one	Save record	Cancel
	Kilomotor		km	Kilomotor	

<u>Note</u>: Conversion of degrees *Celsius to Fahrenheit* and vice-versa is hardcoded as this cannot be accomplished with a factor only.

2.2.1 Manual conversion

When working with nominal values such as NPS or DN, it can be become necessary to overrule the conversion factor and enter the corresponding metric and imperial data directly. This can be done by unchecking the tick box next to *Automatic*.

U	ength	40.00	Meter 🗌 Automatic
U	ength (imperial)	1,574.80	Inch 🗌 Automatic

<u>Note</u>: The tick box appears once a value has been filled out for either the metric or imperial data field.

2.3 Importing imperial data

Data with imperial values can be imported using the Import function. For each user-defined field, for which an imperial unit is defined, a separate **[field-name] (imperial) field** will be generated. This data field can be used to import (or export) imperial data. Thus, to import imperial data, an import layout needs to be created which contains the correct user-defined fields (imperial)³, for instance:

³ User-defined fields can be found in the Field selector in a separate category under the entity for which they were defined.

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Available fields Fields Memo		-Selected fields		
Time of day	•	Field	Header	Pos
Translations		Manufacturer code (gln)	Manufacturer Code	2
Bottle content		Length	Length	3
Colour detail		Length (imperial)	Length (imperial)	4
	Ţ			

Figure 2. User-defined field 'Length' and corresponding 'Length (imperial)'

More information on import layouts and importing data can be found in the *Manual Universal Import/Export*.

2.3.1 Add import layout

To add an import layout with imperial data fields:

- 1. Through the Menu, go to *System > Layouts*.
- 2. Under Edit, click on Add import layout.
- 3. In the pop-up window:

📄 Add import layout				×
Add import layout				
Select import entity	Product		- 🗙	
		Add import layout	Close	
	THE ICON	remo	0,000	

- a. Select import entity: Select the entity for which you need to import imperial data , for instance **Product**.
- 4. Click on Add import layout.

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6. In the next window:

Layout tab

Add - Nev	v layout						
Layout	Properties	Fields	Memo				
Туре				Excel import	~		
Name				Import Length imperial			
Application				\bigcirc III Within the company		🖲 🗳 For user	
				Add next record	Sa	ive record	Cancel
			H9	Product P	roducts		

- a. Type: Choose the type of import file (Excel, Text)
- b. Name: Type a name for the import layout
- c. Application: Select who can use the import layout

Properties tab

📄 Add - New layout			
Layout Properties Fields	Memo		
Number of header rows	1		
Continue import on errors	<mark>⊖ _{Yes} ●</mark>	No	
	Add next record	Save record	Cancel
<u> </u>			

- a. Number of header rows: Enter the number of headers rows in your import file; these are *not* imported.
- b. Continue import on errors: Set to *Yes* if you need to check the complete import file on errors.

Fields tab



- a. Available fields: From the field selector, select the user-defined field(s) that you need to import.
- b. Selected fields: Set the *Position* number of the field to the correct import file data position (column).
- 8. Save the record.

2.3.2 Import imperial data

The resulting import layout can be used to import imperial data. Some common pitfalls to take into consideration are:

- Upon import an imperial value will also be converted to a metric value, provided you *only* import the imperial value.
- When importing *both* the metrical and the imperial value at the same time, automatic conversion will be switched off to prevent any conflict with the built-in conversion factor.

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This also mean you can override any metric or imperial value, for instance to correct for nominal values.

• To *empty* an imperial data field in COS, both the metric and imperial data field in the import file need to be empty, as any filled out field will automatically trigger the built-in conversion process.

To import Imperial values:

- 1. Though the Menu go to the entity where you need to import imperial values, for instance *Products*.
- 2. Go to the Import/Export tab and click on Import:



3. In the pop-up window:

📄 Import				×
Import				
Import File	Products-Length-In	sperial-o Select		
	Previous	Next	Close	

a. Import file: Select the data file with Imperial data, for instance:

	А	В	С	D
1	Manufacturer Code 🔽	Code 🔽	Length 💌	Length (imperial) 🔽
2	6956321800000	140043898		5,00
3	6956321800000	140043899		10,00
4	6956321800000	140043900		15,00
5	6956321800000	140043901	Left empty for automatic	20,00
6	6956321800000	140043902	conversion	5,00
7	6956321800000	140043903		10,00
8	6956321800000	140043904		15,00
9	6956321800000	140043967		20,00
10				

4. Click on Next.

Import					×
Import					
Summary					
Importof file Products-Length-Imperial-on with impactreport: Full Import van Products met layout Import Le Manufacturer code (gln) Code Length Length (imperial) Layout1	ly.xlsx ength imperial en velden				
Title	Products				
Import entity	Product			- 💥	
Import layout	Excel import lay	y-out 'Import Length	imperial' on Screen pro	oducts 🔻 🔀 🗭 🖊	P
Archive not imported records	🔾 Yes 🖲 No				
		Previous	Next	Close	

- a. Import entity: Should be set to the entity that you selected for import.
- b. Import layout: Select the import layout for Imperial data.
- c. Archive imported records: Leave set to No.
- 5. Click on Next.

				×
Import				
Summary				
Importof file Products-Length-Imperia with impactreport: Full Import van Products met layout Impo	il-only.xlsx rt Length imperial en velden:			
Manufacturer code (gln) Code Length	5 1			
Length (imperial)				
Settings	Full			
Is testrun	O Yes ● No			
Fill conversion list	○ Yes ● No			
	Provious	Novt	Close	_

- a. Reporting level: Leave set to Full.
- b. Is testrun: Optionally set to No to perform a testrun; you will receive a simulated import report, but no actual data will be imported into the application.
- c. Fill conversion list: Leave set to *No*.
- 6. Click on *Next* to start the import:

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Results Import Products (Import Length imperial)	
The import has been started as a <u>background task</u> . You will receive an email has finished. Then the import report will also be available in the <u>logs</u> .	as soon as the job
<u>}</u>	
7	
3	
2	
2	-
- OK	-
]

- 7. Click on *Logs* to review the import analysis report, or wait for it to arrive in your Inbox.
- 8. Click on *OK* to exit the import dialog.

The imperial data should now be imported (yellow) and any automatic conversion (green) handled:

Manufacturer Code	Code	Product description	Length	Length (imperial)
<u>6956321800000</u>	<u>140043898</u>	LED E T5 BATTEN 600 9W 800LM 3000K CT (langer)	0.13	5.00
<u>6956321800000</u>	<u>140043899</u>	LED E T5 batten 600 9W 800lm 4000K CT	0.25	10.00
<u>6956321800000</u>	<u>140043900</u>	LED E T5 batten 1200 18W 1600lm 3000K CT	0.38	15.00
<u>6956321800000</u>	<u>140043901</u>	LED E T5 batten 1200 18W 1600lm 4000K CT x	0.51	20.00
<u>6956321800000</u>	<u>140043902</u>	LED E T5 batten 900 11W S 3000K BL	0.13	5.00
<u>6956321800000</u>	<u>140043903</u>	led e t5 batten 600 9w s 3000k bl	0.25	10.00
<u>6956321800000</u>	<u>140043904</u>	LED E T5 batten 300 4.5W S 3000K BL	0.38	15.00
<u>6956321800000</u>	<u>140043967</u>	ledpanelrc-g sq598-36w- 3000-wh-ct	0.51	20.00
		ledpanelrc-a sa598-36w-		

2.3.3 Updating imperial data

Imperial data can be update either:

- Manually
- With an import update

2.3.3.1 Manual update

To manually update imperial data:

- 1. Through the Menu, go to the entity where you need to update data.
- 2. Under Edit, click on *Modify*.

Products Menu V	iew Edit	Functions	Print		
2.		• Q	1	ℯ	
including archive		Sear	ch All Details Aalberts	Help	
Vavigation	۵	Archived	Manufacturer Description	Code	GTIN
edit Add	۵,		1004	<u>6342424</u>	08711985463781
Modify					

3. In the pop-up window, go to the tab User-defined fields.

oort / Export > Manufacturer: Aalberts	integrated			pressure CTR	L-F 2/10	^ ~ ~			
For C Charles and the second s									
Classification Model Commercial description (product) Technical description (product) Additional User-defined fields									
		recentical deseri	Alon (produce	Additional	Joer defined field				
maximum load (N) (imperial)		pound							
max medium temperature	110.00	°Celcius							
max medium temperature (imperial)	3230.00	°Fahrenheit 🗹 Au	tomatic						
min. medium temperature	-20.00	°Celcius							
min. medium temperature (imperial)	.4.00	°Fahrenheit 🗹 Au	tomatic						
peak medium temperature	1	°Celcius							
peak medium temperature (imperial)	1	°Fahrenheit							
Medium temperature (cont.)	1-20.00	110.00	°Celcius						
Medium temperature (cont.) (imperial) 🍃	1-4.00	230.00	°Fahrenheit	Automatic					
max operating pressure liquid	1 25.00	bar (<mark>pressure</mark>)							
max operating <mark>pressure</mark> liquid (imperial)	362.59	psi (<mark>pressure</mark>) 🗹	Automatic						
Max operating <mark>pressure</mark> gas	i	bar (<mark>pressure</mark>)							
Max operating <mark>pressure</mark> gas (imperial)	(I)	psi (pressure)							
System-specific	◯ Yes ● No ◯	Unknown							
Capped	🔾 Yes 💿 No 🤇	Unknown							
voltage [V]	1	~							
pressure rating (PN)	I PN 25	~							
05. dimensional properties									
H1	()	Millimeter							
				0	Car 1				
	Edit	the previous on Edit t	ne next one	Save record	Cancel				

4. Edit any Imperial data fields.

Note: Use the Search function (CTRL-F) of your browser to find the correct field.

<u>Important</u>: Classification features which have been mapped to data fields which use *both* a metrical and an imperial value *cannot* be updated manually on the Classification overview, but need to be changed at the corresponding user-defined field:

Medium temperature (continuous)	-20.00	110.00	Degrees celsius
Medium temperature (continuous) (imperial)	-4 230 °Fahrenheit		Mapped Imperial fields cannot be edited on the
Max. operating pressure at 20 °C	25.00	Bar	Classification overview
Max. operating pressure at 20 °C (imperial)	362.59 psi (pressure))	
Max. operating pressure at max. medium temperature		Bar	-

2.3.3.2 Import update

Another way to update data is to make use of the Import update option:

- 1. Through the Menu, go to the entity where you need to update data and switch *Import/Export* tab.
- 2. In the Overview, select the records you need to update and click on *Export [Entity]*.

Products Menu View I	Edit	Functio	ns Print	Import /	Export			
▶.	•	9	٨	3				
Filter	9	Search Ex	port products	Import He	elp			
Navigation 🔗		Manufa	cturer Code	Code		Product description	Length	Length (imperial)
Items	Þ	<u>6956321</u>	.800000	<u>140043</u>	<u>898</u>	LED E T5 BATTEN 600 9W 800LM 3000K CT (langer)	0.13	5.00
Reduct parts	Þ	<u>6956321</u>	800000	<u>140043</u>	<u>899</u>	LED E T5 batten 600 9W 800lm 4000K CT	0.25	10.00
	Þ	<u>6956321</u>	.800000	<u>140043</u>	<u>900</u>	LED E T5 batten 1200 18W 1600lm 3000K CT	0.38	15.00
Product accessories	Þ	<u>6956321</u>	.800000	<u>140043</u>	<u>901</u>	LED E T5 batten 1200 18W 1600lm 4000K CT x	0.51	20.00
Is part of	×	<u>6956321</u>	.800000	<u>140043</u>	<u>902</u>	LED E T5 batten 900 11W S 3000K BL	0.13	5.00
Product certificates	Þ	<u>6956321</u>	.800000	<u>140043</u>	<u>903</u>	led e t5 batten 600 9w s 3000k bl	0.25	10.00
Attachments	Þ	<u>6956321</u>	800000	140043	<u>904</u>	LED E T5 batten 300 4.5W S 3000K BL	0.38	15.00
Manufacturer:Opple (6	Þ	<u>6956321</u>	.800000	140043	<u>967</u>	ledpanelrc-g sq598-36w- 3000-wh-ct	0.51	20.00
Product group:E_T5 LE	_>	<u>6956321</u>	800000	140043	968	ledpanelrc-g sq598-36w- 4000-wh-ct		
						lednanelrc-d sd298-11w-		

3. In the pop-up window:

			-
Export products			
Jse screen layout	<mark>◯ Yes ● No</mark>	_	
Export layout		- X+	
Prepare for import	🔍 Yes 🔿 No		
Summary			
 140043899 LED E TS batten 600 9W 140043900 LED E TS batten 1200 1 140043901 LED E TS batten 1200 1 140043902 LED E TS batten 900 11 1400430303 Idd etS batten 600 9w s 140043904 LED E TS batten 300 4.5 140043968 ledpanelrc-g sq598-36w 140043968 ledpanelrc-g sq598-36w 	/ 800lm 4000K CT Opple 06956712666222 8W 1600lm 3000K CT Opple 06956712666239 8W 1600lm 4000K CT x Opple 06956712666236 W 5 3000K BL Opple 06956712666253 3000k bi Opple 06956712666277 W S 3000K BL Opple 06956712666277 -3000-wh-ct Opple 06956321843472 -4000-wh-ct Opple 06956321843489		

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- a. Use screen layout: Set to Yes if the user-defined fields which you wish to update are visible on you screen layout, otherwise select an Export layout (or create one using the +-icon).
- b. Export layout: When not using a screen layout, select an Export layout (or create one using the +-icon).
- c. Prepare for import: Set this option to **Yes**.
- 4. Click on *Export*, an *ExcelForImport file* will be created, which can be used to change or add any data:

	Α	В	С	D	E
3	Manufacturer Code	- Code -	Product description	Length 💽	Length (imperial) 🔽
4	6956321800000	140043898	LED E T5 BATTEN 600 9W 800LM 3000K CT (langer)	0,13	5,00
5	6956321800000	140043899	LED E T5 batten 600 9W 800lm 4000K CT	0,25	10,00
6	6956321800000	140043900	LED E T5 batten 1200 18W 1600lm 3000K CT	0,38	15,00
7	6956321800000	140043901	Change metrical value	0,51	25,00
8	6956321800000	140043902	LED E T5 batten 900 11W S 3000K BL	0,13	5,00
9	6956321800000	140043903	Delete metric and imperial value		
10	6956321800000	140043904	LED E T5 batten 300 4.5W S 3000K BL	0,38	15,00
11	6956321800000	140043967	ledpanelrc-g sq598-36w-3000-wh-ct	0,51	20,00
12	6956321800000	140043968	Add imperial value with automatic conversion to metrical value		25,00
12					

3. ExcelForImport file

5. Once the data in the ExcelForImport file has been updated, save the file and use the Import button to import the changed data back into the COS application:

Products Menu View	Edit Functions Print	Import / Expor	t		
⋟.	- 🔍 🌙	. 🕥 📥	,		
Filter	Search Export products	Import Help			
Navigation 🛞	🔺 🔺 Manufacturer Code	Code	Product description	Length	Length (imperial)
Items (2)	<u>6956321800000</u>	140043898	LED E T5 BATTEN 600 9W 800LM 3000K CT (langer)	0.13	5.00
Product parts (0)	<u>6956321800000</u>	<u>140043899</u>	LED E T5 batten 600 9W 800lm 4000K CT	0.25	10.00
	<u>6956321800000</u>	<u>140043900</u>	LED E T5 batten 1200 18W 1600lm 3000K CT	0.38	15.00
	<u>6956321800000</u>	<u>140043901</u>	LED E T5 batten 1200 18W 1600lm 4000K CT x	0.51	20.00
Is part of (0)	6956321800000	140043902	LED E T5 batten 900 11W S 3000K BL	0.13	5.00
Product certificates (2)	6956321800000	<u>140043903</u>	led e t5 batten 600 9w s 3000k bl	0.25	10.00
Attachments (92)	6956321800000	<u>140043904</u>	LED E T5 batten 300 4.5W S 3000K BL	0.38	15.00
Manufacturer:Opple (6	<u>6956321800000</u>	140043967	ledpanelrc-g sq598-36w- 3000-wh-ct	0.51	20.00
Product group	<u>6956321800000</u>	140043968	ledpanelrc-g sq598-36w- 4000-wh-ct		

6. In the pop-up window:

Import			
Import Import File	COS-ExcelForImpor	t-Produc Select	
	Drovious	Nort	Class

a. Import file: Select the COS_ExcelForImport file.

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7. Click on Next.

📄 Import				×
Import				
Summary				
Importof file COS-ExcelForImport-Product with Impactreport: Full Import van Products met layout en velde Manufacturer code (gln) Code Description (product) Length Length (Imperial)	ts-20220908-112450.xlsx n:			
Settings				
Reporting level	Full		~	
Is testrun	O Yes O No			
	Previous	Next	Close	

- a. Reporting level: Leave this option set to Full.
- b. Is testrun: Optionally, set this option to Yes to simulate an import; you will receive an Import analysis report, but no actual data will be changed.
- 8. Click on *Next* to start the Import:

ults Import Products	×
The import has been started as a <u>background task</u> . You will receive an email as soon as the j has finished. Then the import report will also be availanble in th <mark>e logs.</mark>	ob
ОК	
	ults Import Products The import has been started as a <u>background task</u> . You will receive an email as soon as the ji has finished. Then the import report will also be availanble in the <u>logs</u> . OK

- 9. Click on *Logs* to review the import analysis report, or wait for it to arrive in your Inbox.
- 10. Click on *OK* to exit the import dialog; the Overview will reload to show the added/changed data:

Manufacturer Code Code Product description Length Length (imperial) Ength (imperial) 6956321800000 140043898 LED E TS BATTEN 600 9W 800LM 3000K CT (langer) 0.13 5.00 6956321800000 140043899 LED E TS batten 600 9W 800lm 4000K CT 0.25 10.00 6956321800000 140043900 LED E TS batten 1200 18W 1600lm 3000K CT 0.38 15.00 6956321800000 140043901 LED E TS batten 1200 18W 1600lm 4000K CT x 0.64 25.00 6956321800000 140043901 LED E TS batten 900 11W S 3000K BL 0.13 5.00 6956321800000 140043903 Bed e tS batten 900 11W S 3000K BL 0.13 5.00 6956321800000 140043903 3000K BL 0.13 5.00 6956321800000 140043904 LED E TS batten 300 4.5W S 3000K BL 0.38 15.00 6956321800000 140043904 LED E TS batten 300 4.5W S 3000K BL 0.38 15.00 6956321800000 140043967 ledpanelrc-g sq598-36w- 3000-wh-ct 0.51 20.00 6956321800000 140043968 ledpanelrc-g sq598					
6956321800000 140043898 LED E TS BATTEN 600 9W 800LM 3000K CT (langer) 0.13 5.00 6956321800000 140043899 LED E TS batten 600 9W 800Im 4000K CT 0.25 10.00 6956321800000 140043900 LED E TS batten 1200 18W 1600Im 3000K CT 0.38 15.00 6956321800000 140043901 LED E TS batten 1200 18W 1600Im 4000K CT x 0.64 25.00 6956321800000 140043902 LED E TS batten 900 11W S 3000K BL 0.13 5.00 6956321800000 140043903 Bed e tS batten 600 9W s 3000k bl 0.13 5.00 6956321800000 140043903 Bed e tS batten 600 9W s 3000k bl 0.13 5.00 6956321800000 140043904 LED E TS batten 300 4.5W S 3000K BL 0.38 15.00 6956321800000 140043904 LED E TS batten 300 4.5W S 3000K BL 0.38 15.00 6956321800000 140043967 ledpanelrc-g sq598-36W- 3000-wh-ct 0.51 20.00 6956321800000 140043968 ledpanelrc-g sq598-36W- 3000-wh-ct 0.64 25.00	Manufacturer Code	Code	Product description	Length	Length (imperial)
6956321800000 140043899 LED E TS batten 600 9W 800lm 4000K CT 0.25 10.00 6956321800000 140043900 LED E TS batten 1200 18W 1600lm 3000K CT 0.38 15.00 6956321800000 140043901 LED E TS batten 1200 18W 1600lm 4000K CT x 0.64 25.00 6956321800000 140043902 LED E TS batten 900 11W S 3000K BL 0.13 5.00 6956321800000 140043903 Ied e tS batten 600 9w s 3000k bl 5.00 5.00 6956321800000 140043904 LED E TS batten 300 4.5W S 3000K BL 0.38 15.00 6956321800000 140043904 LED E TS batten 300 4.5W S 3000K BL 0.38 15.00 6956321800000 140043967 ledpanelrc-g sq598-36w- 3000-wh-ct 0.51 20.00 6956321800000 140043968 ledpanelrc-g sq598-36w- 400-wh-ct 0.64 25.00	<u>6956321800000</u>	<u>140043898</u>	LED E T5 BATTEN 600 9W 800LM 3000K CT (langer)	0.13	5.00
6956321800000 140043900 LED E TS batten 1200 18W 1600lm 3000K CT 0.38 15.00 6956321800000 140043901 LED E TS batten 1200 18W 1600lm 4000K CT x 0.64 25.00 6956321800000 140043902 LED E TS batten 900 11W S 3000K BL 0.13 5.00 6956321800000 140043902 LED E TS batten 900 11W S 3000K BL 0.13 5.00 6956321800000 140043903 led e tS batten 600 9w s 3000K bl 0.38 15.00 6956321800000 140043904 LED E TS batten 300 4.5W S 3000K BL 0.38 15.00 6956321800000 140043904 LED E TS batten 300 4.5W S 3000K BL 0.38 15.00 6956321800000 140043907 ledpanelrc-g sq598-36w- 3000-wh-ct 0.51 20.00 6956321800000 140043968 ledpanelrc-g sq598-36w- 4000-wh-ct 0.64 25.00	<u>6956321800000</u>	<u>140043899</u>	LED E T5 batten 600 9W 800lm 4000K CT	0.25	10.00
6956321800000 140043901 LED E TS batten 1200 18W 1600lm 4000K CT x 0.64 25.00 6956321800000 140043902 LED E TS batten 900 11W S 3000K BL 0.13 5.00 6956321800000 140043903 IED E TS batten 600 9w s 3000K bl 0.13 5.00 6956321800000 140043903 IED E TS batten 300 4.5W 3000K bl 0.38 15.00 6956321800000 140043904 LED E TS batten 300 4.5W S 3000K BL 0.38 15.00 6956321800000 140043967 Iedpanelrc-g sq598-36w- 3000-wh-ct 0.51 20.00 6956321800000 140043968 Iedpanelrc-g sq598-36w- 3000-wh-ct 0.64 25.00	6956321800000	<u>140043900</u>	LED E T5 batten 1200 18W 1600lm 3000K CT	0.38	15.00
6956321800000 140043902 LED E TS batten 900 11W S 3000K BL 0.13 5.00 6956321800000 140043903 Ied e tS batten 600 9w s 3000k bl 140043904 IED E TS batten 300 4.5W S 3000K BL 0.38 15.00 6956321800000 140043904 LED E TS batten 300 4.5W S 3000K BL 0.38 15.00 6956321800000 140043967 ledpanelrc-g sq598-36w- 3000-wh-ct 0.51 20.00 6956321800000 140043968 ledpanelrc-g sq598-36w- 4000-wh-ct 0.64 25.00	<u>6956321800000</u>	<u>140043901</u>	LED E T5 batten 1200 18W 1600lm 4000K CT x	0.64	25.00
6956321800000 140043903 led e t5 batten 600 9w s 3000k bl 6956321800000 140043904 LED E T5 batten 300 4.5W S 3000K BL 0.38 15.00 6956321800000 140043907 ledpanelrc-g sq598-36w- 3000-wh-ct 0.51 20.00 6956321800000 140043968 ledpanelrc-g sq598-36w- 4000-wh-ct 0.64 25.00	6956321800000	<u>140043902</u>	LED E T5 batten 900 11W S 3000K BL	0.13	5.00
6956321800000 140043904 LED E T5 batten 300 4.5W S 3000K BL 0.38 15.00 6956321800000 140043967 ledpanelrc-g sq598-36w- 3000-wh-ct 0.51 20.00 6956321800000 140043968 ledpanelrc-g sq598-36w- 4000-wh-ct 0.64 25.00	<u>6956321800000</u>	<u>140043903</u>	led e t5 batten 600 9w s 3000k bl		
6956321800000 140043967 ledpanelrc-g sq598-36w- 3000-wh-ct 0.51 20.00 6956321800000 140043968 ledpanelrc-g sq598-36w- 4000-wh-ct 0.64 25.00	6956321800000	<u>140043904</u>	LED E T5 batten 300 4.5W S 3000K BL	0.38	15.00
6956321800000 140043968 ledpanelrc-g sq598-36w- 4000-wh-ct 0.64 25.00	<u>6956321800000</u>	<u>140043967</u>	ledpanelrc-g sq598-36w- 3000-wh-ct	0.51	20.00
lodopoolic a ca209 11w	<u>6956321800000</u>	<u>140043968</u>	ledpanelrc-g sq598-36w- 4000-wh-ct	0.64	25.00
			lodpopolice a ca209_11w		

<u>Important</u>: When updating imperial data which are automatically converted from the metric value, *make sure* to leave the imperial data field *empty*, as otherwise the imperial value will not be recalculated. Should you wish to completely delete the Imperial value, then make sure to empty *both* the metric and the imperial data field.

2.4 Exporting imperial data

Imperial data can be exported using the Export function on the Import/Export tab:

- 1. Through the Menu, go to the entity where you need to update data and switch *Import/Export* tab.
- 2. In the Overview, select the records you need to update and click on *Export [Entity]*.



3. In the pop-up window:

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- a. Use screen layout: Set to **Yes** if the user-defined fields which you wish to update are visible on your screen layout, otherwise select an Export layout (or create one using the **+**-icon).
- b. Export layout: When not using a screen layout, select an Export layout (or create one using the +-icon).
- c. Prepare for import: Set this option to No.
- 4. Click on *Export* to start the export. You will receive an Excel (or text-based) export file containing your data:

	А	В	С	D	E	F	G	н	I
1	Code	Manufacturer Description 🔤	Short description (product)	Bottle content 👻	Colour detail 👻	White RAL 👻	Control Box	Length 💌	🔹 Length (imperial) 👻
2	140043898	Opple	LED E T5 BATTEN 600 9W 800LM 3000K CT				No	0,13	5,00
3	140043899	Opple	LED E T5 batten 600 9W 800lm 4000K CT				No	0,25	10,00
4	140043900	Opple	LED E T5 batten 1200 18W 1600lm 3000K CT				No	0,38	15,00
5	140043901	Opple	LED E T5 batten 1200 18W 1600lm 4000K CT x				No	0,64	25,00
6	140043902	Opple	LED E T5 batten 900 11W S 3000K BL				No	0,13	5,00
7									

2.5 System units

Imperial values for classification are handled through mapped user-defined fields, the system fields Height, Length, Width, Weight and Volume (available on both Product and Item) and their units (metre, kilo and metre squared) are currently⁴ not handled by COS.

One proposed solution would be to enter the 8 (item 5 decimal fields + 3 units) + 8 (product 5 decimal fields + 3 units) as, for example, USA country-specific fields. This solution is still under development.

⁴ 8 September 2022