

# PrestaShop Product Properties Extension

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## User Guide

### Introduction

The PS&More PrestaShop Product Properties Extension allows you easily create sophisticated shop with features that are not available in the standard PrestaShop installation. It is not just simply one more PrestaShop module. It is an integrated PrestaShop solution. Give your visitors a unique user experience to buy exactly what they want and how they want. Emphasize your products with unique properties by using different product templates and boost your sales.

### Features

#### Product templates

Product template is the heart of the Product Properties Extension. The Product Properties Extension behavior is based on the templates attached to the products. Template is a collection of different properties grouped together for easy access and manipulation. Most of the features of the Product Properties Extension are archived by assigning the product template to the product in the PrestaShop back-office.

#### Units of measurements

Products can be defined with different units of measurements, like meters, feet, kilogram, ounces, pounds, packs, etc.

#### Measurement systems

Both metric and non-metric (imperial/US) measurement systems are supported. There is no limitation what to use. You can easily switch between the measurement systems or even use both at the same time. You can use meters, feet, kilogram, ounces, pounds, liters or any other units.

#### Whole or fractional quantities

Product's quantity can be bound to different policies that changes how it is treated on the product's page. When the user enters the quantity, the ordered quantity can specify the number of items (pieces, packs, etc.). It is the regular PrestaShop behavior. The ordered quantity can specify the number of whole units (but not items), for example, meters. When user enters the quantity of 45 meters for the rope, the shopping card will contain one product (rope) with the specified length of 45 meters and not 45 items of the rope as it would happen in the standard PrestaShop installation. The quantity can also specify the fractional units (quantity in decimal values), like kilogram or meter. This is the mandatory behavior for the grocery or fabrics shops.

**Price text**

Price text is displayed after the product's price and usually specifies the price unit of measurement. For example: 45 € per kg or 12 € per 6 pieces of sushi.

**Quantity text**

Quantity text is displayed after the product's quantity and designates the meaning of the buying quantity. For example: 800 gram.

**Unit price and unit price text**

PrestaShop explains unit price like follows:

*Enables you to conform to local legislations that require products to be displayed with their unit price.*

*For instance, if you are selling a pack of 6 cans of soda, then you should fill this field with the price per can, and indicate "can" in the second field. The description on the same line will update accordingly. The "per" field can apply to any unit of measurement, the most frequent ones being "liter", "fl oz", "pound", "kilogram", "gallon", etc.*

Unfortunately, the PrestaShop does not allow the description text be translated into different languages. The PrestaShop also prefixes the description with the “per” word that can't be changes. The Product Properties Extension fixes this behavior by making the description translatable.

**Minimum quantity**

Minimum purchase quantity can be set in whole or fractional units. The minimum quantity can be also set in the product template.

**Default quantity**

Default quantity specifies the initial quantity to buy a product and can be set in whole or fractional units.

**Price calculation**

Price is an additional visual element added in the Product Properties Extension. Price is displayed for the specified quantity and immediately re-calculated when quantity changes. This gives the user better shopping experience.

**Inline Explanation**

Inline explanation is displayed in the ordering block on the product's page. It is usually a special message explaining the trading policy, but can be any text. Any number of different explanation messages can be defined. For example:

*“Product is sold by weight. The exact price will be calculated after the product is weighted.”*

**Stock management**

Stock management facility was adjusted to handle correctly products with the fractional units of measurements. For example, if you have in stock 30 kg of cheese and somebody ordered 700 gram you final stock quantity will be 29.3 kg.

**Product Import**

Product import from CSV files was adapted to use fractional units and templates.

**Quick Look on your Shop**

Make a quick look on your shop. Review some front-office examples, read explanations. Look on our gallery at [www.psandmore.com](http://www.psandmore.com) for more examples. Explore advanced features of the Product Properties Extension by visiting our live demo store at [demo-store.psandmore.com](http://demo-store.psandmore.com).



Crabstick, cucumber, Japanese mayo and avocado.

**More details**

**5,50 € for 6 pieces**

Quantity:  x 6 pieces

**Add to cart**

*price text can be any text*

*quantity text is nicely displayed as x 6 pieces, making it very clear for the customer*



**NEW Beef Eye fillet**

This steak is carved from the prized tenderloin and has a reputation as the most tender and stylish of all the steaks. This cut is subtle and lightly marbled with the mildest flavor of all the steaks.

**20,00 €** per kg  
Available

**Add to cart**

**View**

Select to compare

*price text displayed after the product's price*

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**NEW Chiang Mai Sausage**

Famous Chiang Mai Sausage prepared by traditional recipe. One piece is approximately 400 gram.

**3,00 €** per pc  
Available

**Add to cart**

**View**

Select to compare

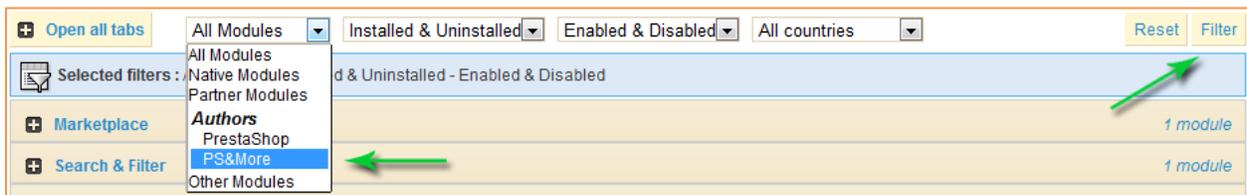
*price text displayed after the product's price*

## Using the Product Properties Extension

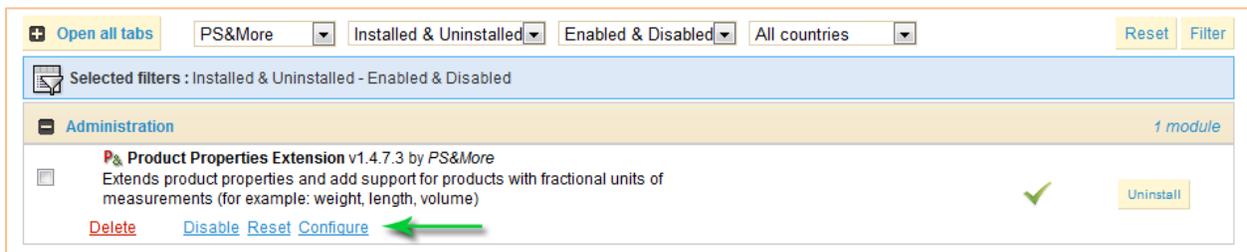
Install the Product Properties Extension module following the installation instructions found in “Installation Instructions” document.

### Access the module configuration

You access the module configuration through the "Modules" tab in the PrestaShop back-office. To quickly find the Product Properties Extension module you can use filter. Choose the “PS&More” among authors and press the “Filter” button.

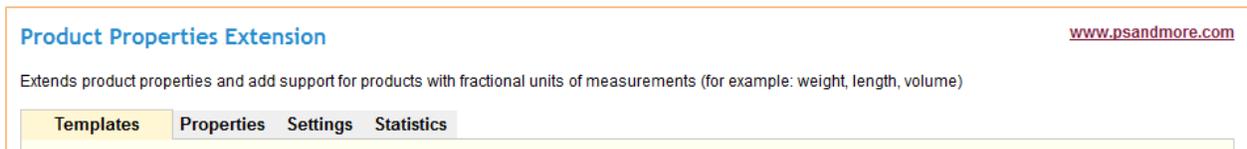


Open the Administration group and press [Configure](#) link.



## Configuration

The module configuration page has several tabs to assist with the configuration.



## Templates

### Understanding product templates

Product template is a collection of product attributes or properties combined together and defining the behavior of different elements of the PrestaShop engine, the way how the product looks in the shop and how it affects the user visual experience. There is no limitation for the number of product templates or product properties that can be created. The installation package comes with a collection of ready to use templates.

## Manage templates

The templates tab gives access to the main module configuration facility where you review and manage the product templates.

**add new template**  
opens a new tab with add template form

**delete template**

**edit template**  
opens a new tab with edit template form

**view template**  
shows quick preview of the template

**copy template**  
duplicates template's properties and creates a new template

ID	name	quantity policy	approx quantity	display mode *	explanation **	quantity text	price text	unit price text	unit price ratio	minimum quantity	default quantity	Actions
1	quantity in pieces <i>Product sold in pieces, price as specified, quantity text: pcs, price text: per pc</i>	items				pcs	per pc					✓ [edit] [delete] [copy]
2	quantity in pieces, known weight <i>Product sold in pieces, price as specified, quantity text: pcs, price text: per pc, unit price text: per kg</i>	items				pcs	per pc	per kg				✓ [edit] [delete] [copy]
3	quantity in pieces, sold by weight <i>Product sold by weight with quantity in pieces, approximate price, quantity text: pcs, price text: per pc, unit price text: per kg</i>	whole	yes		yes (51)	pcs	per pc	per kg				✗ [edit] [delete] [copy]
4	by weight <i>Product sold by weight, price as specified (exact weight can be ordered), quantity text: kg, price text: per kg</i>	fract			yes (52)	kg	per kg			0.1 kg	0.5 kg	✓ [edit] [delete] [copy]
5	by weight, approximate price <i>Product sold by weight, approximate price (exact weight cannot be ordered), quantity text: kg, price text: per kg</i>	fract	yes		yes (50)	kg	per kg			0.1 kg	0.5 kg	✓ [edit] [delete] [copy]
6	by weight, price per 100 g <i>Product sold by weight, quantity text: kg, price text: per kg, unit price text: per 100 g, reversed price display</i>	fract		1		kg	per kg	per 100 g	10	0.1 kg	0.1 kg	✓ [edit] [delete] [copy]
7	by length (whole units) <i>Product sold by length in whole units, quantity text: m, price text: per m</i>	whole				m	per m			1 m	1 m	✓ [edit] [delete] [copy]
8	by length (fractional units) <i>Product sold by length in fractional units, quantity text: m, price text: per m, with explanation</i>	fract			yes (53)	m	per m			0.1 m	1 m	✓ [edit] [delete] [copy]

**\* display mode**

#	Description
1	Display unit price as price (reversed price display)

**\*\* explanation as appears in shop (if set to yes)**

ID	Text
50	Product is sold by weight. The exact price will be calculated after the product is weighted.
51	Product is ordered in items but sold by weight. The exact price will be calculated after the product is weighted.
52	Ordering part of kg is allowed.
53	Ordering not whole number of meters is allowed.

**Restore Defaults**

Restore Defaults button restores templates to the factory settings known at the installation time. User created templates are not affected.

Function	Description
	Use “Add new” function to open a new form and create new template. You will need to enter all template information. Templates are often created by duplicating the existing templates.
	Use “Visible/Hidden” function to make the template visible or hidden in the product catalog in the back-office. This is a convenient way to hide templates that you are not currently using and shorten the template list. Hiding the template in the back-office does not affect the behavior of the products, which are already bound to the template, in the shop.
	Use “View” function to see the quick preview of the template. The preview only shows the template attributes layout on the products page in the default theme. It does not reflect the actual theme design.

	Use “Edit” function to open the edit template form.
	Use “Delete” function to delete template from the system. When you delete the template, the products using this template will be shown in the shop as if no template is assigned.
	Use “Copy” function to duplicate the existing template.
	Use “Restore defaults” button to restore the templates to the factory settings. This only affects the pre-installed templates. Users created templates are not affected.

### Add, edit or copy template

When you add, edit or copy template the new form is opened where you enter the template attributes.

Templates Properties Settings Statistics Edit template

#### Edit template

ID: 4

name:  

description:    
leave blank to use auto generated description

quantity policy:  items  whole units  fractional units  
ordered quantity specifies number of items (pieces, packs, etc.) or one item of the specified number of whole or fractional units (kg, m, ft, etc.)

quantity mode:  exact quantity  approximate quantity  
product quantity can be exactly measured or only approximately (the exact amount cannot be ordered) - only if quantity policy is set to units

display mode:  normal  reversed price display  
Display unit price as price (reversed price display)

price text:  displayed after the product's price

quantity text:  displayed after the product's quantity

unit price text:  displayed for products with unit price greater than zero

unit price ratio:  used to auto calculate unit price in product catalog

minimum quantity:  the minimum quantity to buy a product (leave blank to use default)

default quantity:  the initial quantity to buy a product (leave blank to use default)

explanation:  

measurement system:  default  metric  non metric  
unit measurement system used by this template (default - use measurement system defined in Settings)

visible in catalog:  visible  hidden  
hidden template is not visible in the product catalog, but still used in the shop

Template field	Description
ID	Template ID is automatically assigned to each template and is handy to quickly identify the template.
name	Specify the user friendly template's name.
description	Write the template description. The template description is only visible in the back-office. Leave this field blank to use the auto generated description.
quantity policy	<p>Choose the quantity policy used by the template. The quantity policy specifies how the quantity is treated on the product's page when user enters the quantity.</p> <p>The ordered quantity can specify the <u>number of items</u> in the shopping cart. It is the regular PrestaShop behavior.</p> <p>The ordered quantity can specify the <u>number of whole units</u>. When user enters the quantity in the quantity field, the shopping card will contain one product with the specified quantity of product's units. For example one electrical cable 30 feet long.</p> <p>The quantity can also specify the <u>fractional units</u>, like two and the half kilogram of cherry.</p>
quantity mode	<p>Choose the quantity mode. The quantity mode defines whether the quantity can be exactly measured and ordered or it can only be measured approximately and the exact quantity can't be ordered. For example, if user orders 2 kg of pears, the actually weighed quantity can be slightly different. You can ignore the difference in the shop or you can give the user an explanation (see later) about you trading policy.</p> <p>This property only makes sense when the quantity policy is set to whole or fractional units, but not items.</p>
display mode	<p>Choose the display mode. The display mode defines how the product price and the unit price are displayed.</p> <p>Normal mode displays the product price and the unit price in the order defined by the template. The product price is usually emphasized and attracts user attention.</p> <p>In the reversed price display mode the unit price is used as the main displayed price and replaces the regular price on the home page and in the categories or cross selling products pages. If you sell an expensive product, you can specify the small units with the low price and make you product looks more attractive for the user.</p> <p><i>Note: for the reversed price display mode the unit price text and the unit price ratio need to be specified (see later).</i></p>
price text	<p>Choose the price text that is displayed after the product's price. For example: per kg.</p> <p><i>If you can't find the required text you can add more texts in the Properties tab.</i></p>
quantity text	<p>Choose the quantity text that is displayed after the product's quantity and designates the meaning of the buying quantity. For example: kg.</p> <p><i>If you can't find the required text you can add more texts in the Properties tab.</i></p>

unit price text	Choose the unit price text that is used as an additional attribute in the products display. For example, use “per 100 g” to designate small units of the product. The unit price text can be overridden for individual product in the product catalog. <i>If you can't find the required text you can add more texts in the Properties tab.</i>
unit price ratio	Specify the price ratio between the product price and the unit price. For example, if you sell product in kg and would like to have the unit price displayed as “per 100 g”, specify the unit price ratio as 10. The unit price ratio is used in the shop and in the product catalog to calculate the product unit price. When you change the price in the catalog, the unit price is automatically re-calculated.
minimum quantity	Specify the minimum purchase quantity that will be used for all products using this template. The minimum purchase quantity can be overridden for individual product in the product catalog. The minimum purchase quantity can be set in whole or fractional units.
default quantity	Specify the default quantity that will be used as an initial quantity to buy a product. The default quantity is also used when product is added to the card from the pages that have “Add to cart” button but don't offer the quantity field, like home page. The default quantity can be set in whole or fractional units.
explanation	Choose the explanation that is displayed in the ordering block on the product's page. It is usually a special message explaining the trading policy, but can be any message. <i>If you can't find the required text you can add more texts in the Properties tab.</i>
measurement system	Choose the metric or non-metric (imperial/US) measurement system used by the template. Choose default if the template should automatically use the measurement system defined in the Settings tab. This is usually the best choice.
visible in catalog	Choose whether the template is active and visible or hidden in the product catalog in the back-office. Hiding the template in the back-office does not affect the behavior of the products in the shop.

### View template

The View function gives the quick preview of the template. The preview only shows the template attributes layout on the products page in the default theme. It does not reflect the actual theme design.

This feature is very convenient to verify your template design.

**Product view using template #6 by weight, price per 100 g**

**1,60 € per 100 g**

16,00 € per kg

Quantity:  kg

**price 1,60 €**

**Add to cart**

unit price text displayed for products with unit price greater than zero

price text displayed after the product's price

default quantity specifies the initial quantity to buy the product

quantity text displayed after the product's quantity

## Properties

The properties tab shows all template properties available to build the templates. All properties are divided into two categories: attributes and texts.

Attributes are used to choose price text, quantity text and unit price text.

Texts are long texts that are used as explanations (see Templates section).

You access add, edit and delete properties functions through the Properties tab.

Each property has two values. One is used for the templates with the metric measurement system and the other for the templates with the non-metric measurement system.

Templates
Properties
Settings
Statistics

### Attributes

+ Add new

ID	Attribute <i>metric</i>	Attribute <i>non metric (imperial/US)</i>	Actions
1	pc	pc	
2	pcs	pcs	
3	per pc	per pc	
4	item	item	
5	items	items	
6	per item	per item	
7	pack	pack	
8	packs	packs	
9	per pack	per pack	
10	kg	lb	
11	per kg	per lb	
12	per 100 g	per 100 g	
13	oz	oz	
14	per oz	per oz	
15	m	ft	
16	per m	per ft	
17	m <sup>2</sup>	ft <sup>2</sup>	
18	per m <sup>2</sup>	per ft <sup>2</sup>	

### Texts

+ Add new

ID	Text <i>metric (to see non metric value change measurement system in Settings)</i>	Actions
50	Product is sold by weight. The exact price will be calculated after the product is weighted.	
51	Product is ordered in items but sold by weight. The exact price will be calculated after the product is weighted.	
52	Ordering part of kg is allowed.	
53	Ordering not whole number of meters is allowed.	

## Settings

The Settings tab lets you configure the default measurement system used by templates and perform the integration test.

You perform the integration test to check for the compatibility issues and to see the compatibility results report. Perform the integration test each time you install new module, theme, change the PrestaShop core files or update PrestaShop. See the “Installation Instructions” document for more information.

Templates Properties **Settings** Statistics

**Settings**

**Measurement system**  metric  non metric (imperial/US)  
unit measurement system used by default (can be overridden in template)

Save

✔ Integration test completed successfully.

Perform integration test

## Statistics

Statistics tab presents the usage of different templates by the products in the shop. Click on the “Run analysis” button to collect the results. Each product ID in the results is a link that opens the product’s catalog page for quickly product access.

Templates Properties Settings **Statistics**

**Statistics**

ID	template name	# of products	product IDs
1	quantity in pieces		
2	quantity in pieces, known weight		
3	quantity in pieces, sold by weight	1	11
4	by weight	2	10,19
5	by weight, approximate price	1	13
6	by weight, price per 100 g	1	14
7	by length (whole units)		
8	by length (fractional units)	2	17,18

Run analysis

## Working in the PrestaShop back-office

### Adding Products in the Catalog

You add and manage products in your store in the usual way in the products catalog. In addition to setting the price for a product you can also choose the product template. You will find that the template attributes appear on the page when you choose the template. Review the picture below and read the explanations.

The screenshot shows the 'Product Properties' page in PrestaShop. It includes several input fields and a dropdown menu, with callouts providing additional information:

- Pre-tax wholesale price:** 0.000000 € *price text* The wholesale price you bought this product
- Pre-tax retail price:** 42.000000 € per kg \* The pre-tax retail price to sell this product *unit price text* leave it blank to use the value specified in template or override it for individual product
- Tax rule:** Taxes are currently disabled (Tax options)
- Unit price without tax:** 4.20 € per  *unit price text* leave text blank to use template text; currently set to: per 100 g
- Product template:** #6 by weight, price per 100 g *unit price* unit price is automatically calculated based on the price ratio specified in template. *product template* choose template from the list
- Stock Movement:** Increase 12.5 kg *quantity* quantity fields use the quantity text defined in the template quantity can be in fractional units
- Minimum quantity:** 0 kg the minimum quantity defined in template is 0.1 kg
- Quantity in stock:** 19.5 kg

#### Stock management compatibility note

Some of the templates can be not compatible with the stock movement and should not be used if the stock management is activated in the PrestaShop. For shops, than don't use the PrestaShop stock management facility this restriction is not applicable.

For example, if you sell whole chickens that can be of different weight and would like to manage chickens in your stock in kg, you can't use template that specifies quantity in items and price per kg.

You can easily eliminate undesired usage on incompatible templates by setting their back-office "visible in catalog" status to hidden.

## Viewing Customer Order Details

When you review the customer order you see the detailed information about the order. Pay attention how in this example customer ordered two separate packages of apples each of 1.5 kg.

Products

	Product	Unit Price *	Stock	Qty	Qty Total	Total *	Cancel
	Salmon caviar	42,00 €	18,8 kg	0,7 kg	0,7 kg	29,40 €	<input type="checkbox"/> <input style="width: 40px;" type="text"/> 0/1
	Beef Eye fillet	20,00 €	98,5 kg	1,5 kg	1,5 kg	30,00 €	<input type="checkbox"/> <input style="width: 40px;" type="text"/> 0/1
	Lancet fish steaks	2,50 €	100	1	1	2,50 €	<input type="checkbox"/> <input style="width: 40px;" type="text"/> 0/1
	Apples	5,50 €	0 kg	2x1,5 kg	3 kg	16,50 €	<input type="checkbox"/> <input style="width: 40px;" type="text"/> 0/2

\* For this customer group, prices are displayed as: tax included.

Merchandise returns are disabled

Cancel products

## Review Customer Shopping Carts

Customer shopping cart let you see the products that customers are adding to their carts in real time. The cart summary gives you the detailed information about the products in the shopping cart.

Cart summary						
	Product	Unit price	Quantity	Qty Total	Stock	Total
	Salmon caviar	42,00 €	0,6 kg	0,6 kg	18,8 kg	25,20 €
	Beef Eye fillet	20,00 €	2x0,25 kg	0,5 kg	98,5 kg	10,00 €
	Apples	5,50 €	2,5 kg	2,5 kg	100 kg	13,75 €
Total products:						48,95 €
Total shipping:						7,00 €
Total:						55,95 €

For this customer's group, prices are displayed as: **tax included.**