

# Documentation

## Productconfigurator

Module-Factory

created with

Shop version 6.6.8.2 and

Pluginversion 6.06.05

(Deviations are possible if your shop or plugin version does not correspond to this)



Bul Hinsche GmbH

Neumarkt 7

06712 Zeitz

Tel.: 03441/9799060

[info@bui-hinsche.com](mailto:info@bui-hinsche.com)

<https://module-factory.com>

<https://www.bui-hinsche.com>

<b>Generally</b>	<b>5</b>
About Us	5
Our expertise	5
Support	5
Tests	6
<b>The plugin</b>	<b>6</b>
<b>Hints:</b>	<b>7</b>
Quick purchase:	7
Item deposit:	7
Sample orders:	7
requirements	8
Helpful links	8
<b>Pluginkonfiguration</b>	<b>8</b>
<b>Configuration channel:</b>	<b>8</b>
Options display in the shop	8
more settings:	10
<b>Show tooltip if item as option</b>	<b>10</b>
<b>Show badge in listing</b>	<b>10</b>
<b>Show prices with 0.00 in options overview</b>	<b>10</b>
Delete configuration when closing the Offcanvas shopping cart	10
<b>Creation (editing) of product options</b>	<b>10</b>
<b>Add options</b>	<b>10</b>
<b>Option information:</b>	<b>10</b>
<b>Settings:</b>	<b>11</b>
intern Identify	11
Product number extension	11
Status:	11
Operator	11
Weight	12
Advanced settings(these will only be visible after saving)	12
Minimum value / minimum length, maximum value / maximum length	12
Step by step with number field	12
RegEx input field	12
Default value	12
placeholder	12
JS input manipulation	12
Prices:	12
Type of calculation	12
use percentage price	13
tax rate	13
Operator	13

Price (gross) / Price (net)	13
<b>media</b>	<b>14</b>
<b>GCreate groups and assign options</b>	<b>15</b>
<b>Group information</b>	<b>15</b>
Group name, Short description andLong description	15
<b>Settings</b>	<b>15</b>
intern Identify	15
additional class	15
Options have quantity input	15
Images are zoomed	15
Field type:	15
Mandatory information	17
Status:	17
Options - Assign groups	17
Creation and assignment to a set	18
Setname:	18
Group assignment:	18
<b>Assign product options to an item</b>	<b>18</b>
<b>Options and variants</b>	<b>19</b>
<b>Delete option assignments</b>	<b>19</b>
<b>Options Filter</b>	<b>20</b>
<b>Associated products (real items)</b>	<b>20</b>
Variants as real Article	21
<b>Where can I find the options when ordering?</b>	<b>21</b>
<b>Frontend (customer view)</b>	<b>22</b>
<b>Import/Export product options</b>	<b>22</b>
<b>Important to know</b>	<b>22</b>
Order follow-up or new order creation in the admin	22
Calculation display on item detail page	23
<b>Connection to WaWi</b>	<b>23</b>

## Generally

### About Us

Bul Hinsche GmbH, a pioneer in e-commerce since 2006, stands out as a reliable partner with almost two decades of success. Our dedicated team, driven by expertise and creativity, always delivers exceptional solutions. With a customer and solution-focused approach, we exceed expectations and provide outstanding service. Are you discovering the transformative experience of working with a team that is truly committed to your success?

### Our expertise

In the dynamic digital landscape, we are leaders in improving online stores. Our comprehensive consulting services cover various aspects of your Shopware-based web shop. With over 18 years of experience, the

Bul Hinsche GmbH is a trustworthy agency that has specialized in Shopware solutions since 2011. As a certified agency, we offer you tailor-made support and develop individual plugins for your needs.

Numerous projects and certifications underline our success as experts in the field of e-commerce. No matter whether you are a startup or a company, our commitment to your satisfaction remains unwavering. Our goal is to not only meet but exceed your expectations and provide you with a seamless and scalable eCommerce solution.

If you enter into a partnership with Bul Hinsche GmbH, you will benefit from a comprehensive e-commerce experience where your success is our priority.

### Support

Our plugins are not 100% error-free - we are open about that. That's why we offer agile support that always strives to help in a timely, efficient and customer-oriented manner.

If there is a support case, we need at least information about the plugin and shop version. Please note that we can only provide free support if both are up to date and no changes have been made. In the event of a problem, you should also check whether the problem exists in Shopware's standard theme, as individual graphical adjustments can lead to

incompatibilities. These cannot be tested before release and are therefore not included in free support.

We will check your problem as a gesture of goodwill, provided your plugin or shop version is not too old. The decision on this lies solely with us if we act out of goodwill.

For us, support doesn't just mean troubleshooting, but also support. If something is unclear or incomprehensible, do not hesitate to contact us.

## Tests

You can test our plugins free of charge and comprehensively for 30 days. This trial period includes no restrictions and gives you the opportunity to thoroughly explore and evaluate the features. We recommend that you take advantage of the trial period to ensure that the plugin seamlessly matches your needs before deciding to purchase or subscribe. Rest assured that our support will be available during the entire trial period under the stated conditions. We provide support to ensure a smooth and satisfactory experience with our plugins.

## The plugin

Product options are different variants or choices of a product that are intended to meet customer needs and preferences. These options may affect different features, characteristics or configurations of the product. Here are some examples of product options:

- Size:  
Products can be available in different sizes to meet the needs of different customers. For example, clothing of different sizes or electronic devices with different screen sizes.
- Color:  
Many products, particularly clothing, shoes and furniture, are available in different colors to accommodate customers' individual tastes.
- Configuration:  
Technical products such as computers or smartphones can come in different configurations, such as: B. with different memory capacity or processor performance.
- Material: '  
When it comes to furniture, clothing or jewelry, customers can often choose between different materials such as wood, metal, cotton, leather, etc.

- **Accessories:**  
Many products offer additional accessories or options for upgrades. For example, cars can be equipped with various packages for navigation systems or security functions.
- **Warranty or service plans:**  
Some products offer various warranty or service plans that customers can select to receive additional protection or support.
- **Customization options:**  
Some manufacturers offer product customization options where customers can select specific features or designs.
- **Quantity selection per option**  
With our plugin you can enable the desired quantity for each individual option.

This means that it covers a wide range of product configurators so that you can have your products customized as individually as possible. We are continuously working on the further development of our plugin in order to always offer improved functions and options.

## Hints:

### Quick purchase:

It is not possible to order items with options using Quick Buy. Therefore, please keep this in mind if you use both plugins. Items with options are added to the shopping cart as normal items.

### Item deposit:

The “Product Options” and “Item Deposit” plugins do not work together on the same item. The item deposit will not be charged in this case.

### Sample orders:

You can offer samples on an option item. However, only the unconfigured basic item is placed in the shopping cart as a sample order.

If you are missing a function in our plugin or have suggestions for improvement, we look forward to your feedback at [info@bui-hinsche.com](mailto:info@bui-hinsche.com). We will be happy to examine your

suggestion and decide whether it can be implemented in a technically sensible manner. Please understand if your idea is not immediately included in the next update. Basically, we already have hundreds of ideas for this plugin, which we will gradually make available. Your feedback is important to us in order to continually improve our plugin.

## requirements

For this plugin you need at least Shopware 6.4.0.0

## Helpful links

- [Install plugin](#)
- [Configuration of products](#)

## Pluginkonfiguration

Before the plugin can be configured, it must first be activated.

### Channel configuration:

Here you can determine whether the plugin should be activated for all sales channels or only specific ones. We recommend initially activating it for all sales channels and then unlinking and deactivating the channels that won't use the plugin.

### Display options in the shop

You can choose between:

- Options above the 'Buy' button
- Options collapsed above the 'Buy' button
- Options below Media / Buy container
- Options collapsed below Media/Buy container

If the “**Only one option is always opened**” setting is activated, only one option will remain expanded in views where options are displayed collapsed. When a new option is selected, any previously expanded option will automatically collapse.

## **Additional settings:**

### **Display tooltip if item/product as an option**

If the assigned as an option item/product has a description, it will be displayed as a tooltip.

### **Show badge in listing**

Here you can decide whether to display a badge in the frontend listing (customer overview) to indicate that the product can be customized. This helps inform customers about customization options for the product.

### **Display prices with 0.00 in options overview**

If your selection options (items/product) do not involve any additional or reduced charges, activating this setting will display the price as (0.00 €\*) next to the option.

### **Reset configuration when closing the Offcanvas shopping cart**

When this feature is enabled, the product configuration will be cleared and fully reset after this configured Product is added to the shopping cart (Offcanvas cart).

### **Option specifications for shipping calculation: added together / maximum value**

- Active: Shipping calculation specifications are added together.

- Inactive: The highest value is used for shipping calculations.

### **Use extended prices for attached items**

This allows you to use customer group prices or graduated prices, for example, for options that are linked to actual products.

## **Shopping Cart Settings**

### **Display unit price in shopping cart**

The unit price of an item is displayed in the shopping cart. However, if an option with a one-off calculation is used, this is always displayed per item, which has often led to confusion. You can therefore hide it with this configuration so that no unit price is displayed.



## Display Unit Price in Cart

The unit price of an item is displayed in the cart. However, if an option with a one-time calculation is applied, it is always shown per unit, which can often cause confusion. This configuration allows you to hide the unit price so that no price is displayed per piece.

## Selected configuration is displayed collapsed in the shopping basket

As the description suggests, this allows you to decide whether the selected configuration is displayed expanded or collapsed.

## Creation (editing) of product options

You can create the desired options under Catalogs / Product Options. First you have to create sets, groups and options. The order in which you do this is up to you.

We'll start with the options first. In this documentation example, various options are created. To do this, click on the "Options" tab and then click on "Add option".

## Add options

### Option information:

#### Optionsname:

As the name suggests, the name of the specific option is stored here.

#### Short description:

If this is desired, the option can be described in a few words at this point. This is output in the frontend (customer view).

#### Long description:

If the short description is not sufficient or other reasons lead to this, you can also enter a detailed description for each option. This must then be actively selected by the customer in the front end in order to be displayed.

*Attention: The short and long description are not output for the dropdown field type.*

## **Settings:**

### **intern Identify**

This is purely for internal use. If you e.g. For example, if you want to use the color red several times because it varies per manufacturer, you could enter the manufacturer here (only as text).

### **Product number extension**

Letters, numbers or characters can be stored here. These are then appended to the item number. Please keep in mind that with every extension of the product number and increasing selection of options, the product number can become extremely longer.

### **Status:**

By default this is set to inherited because it inherits the status of the group to which the option is assigned. However, if you want this option to be active or inactive regardless, you can adjust this status accordingly. The selection is made via a dropdown.

### **Operator**

The choices are + (plus) and - (minus). This determines whether the weight of the main item is reduced or increased by the value specified under Weight.

### **Weight**

If the weight of the option differs from that of the main item, the corresponding value can be entered here.

### **Advanced settings (these will only be visible after saving)**

#### **Minimum value / minimum length, maximum value / maximum length**

These can be used to limit text input.

#### **Step by step with number field**

In the standard case (if nothing is stored) only an integer can be entered (1;2;3; ...). However, if you store an increment of 0.5, number fields of 1.5;2.5;3.5; are also stored. ... possible

### **RegEx input field**

This serves e.g. B. to further restrict the input options for texts by only allowing letters. However, this should only be used by experienced users as in-depth knowledge of RegEx is necessary.

### **Default value**

This makes it possible to offer a specific value pre-filled.

### **placeholder**

At this point you can overwrite the existing placeholders in the text or number fields.

### **JS input manipulation**

You should also be experienced here, as you can also manipulate the input by automatically capitalizing all small letters.

### **Prices:**

#### **Type of calculation**

You can choose from multiple calculations and one-time calculations. The difference between the two is that with multi-calculation, the markup or markdown is calculated per product. In contrast, with one-off calculations, the surcharge or discount is only calculated once for the entire order.

#### **use percentage price**

If this is active, a fixed price will no longer be added or deducted. The surcharge or deduction is calculated as a percentage. This value is output in calculated form in the frontend and not the stored percentages. This percentage price always refers to 1 piece. Scale prices or other rules are not taken into account. This means that if 1 piece of the item costs 100 euros and 50 pieces costs 50 euros, the percentage surcharge per item is calculated at 20 euros if 20% is deposited. This also applies to variants. The variant price is used to calculate the surcharge and not the extended prices. Especially if different information is given there (e.g. the variant costs 2 euros for 1 piece, but in the extended prices it costs 5 euros), this leads to calculation errors, as the surcharge is calculated with 2 euros.

## **tax rate**

The tax does not reflect the actual tax calculated, but is only used for convenient entry. The actual tax depends on the assigned product. You can choose from the shop's standard tax rates.

## **Operator**

This determines whether it is a premium or a discount. + stands for premium and - for discount. Depending on the configuration, this can be a fixed value or a percentage.

## **Price (gross) / Price (net)**

The amount that should be calculated or deducted for the option is stored here. The price (net) is usually calculated automatically depending on the tax rate. You can also record the price (net) and the price (gross) results. It is important that both prices are linked. This can be recognized by the locked or opened lock. It should be closed to generate an automatic calculation.

Currency-dependent prices can also be stored for each option. Please refer to the Shopware documentation to set up these prices [Currency dependent prices](#) to read.

However, if "use percentage price" is active, you can only enter the percentage. In this case, it is no longer possible to store currency-dependent prices.

## **media**

It is possible to store images per option. However, these are only displayed when selecting the radio button, checkbox or dropdown field type. These images should be at least 100 px wide to be displayed optimally. You can also use a smaller image size, but then you should make sure that all images used are the same size. If you have assigned several images to an option, only the image marked "Cover" will be displayed in the selection. All others only appear when you click on the color itself.

After you have saved your option, the tabs "General", "Assigned Groups", "Filter Options" and "Assigned Products" will appear in the upper part.

We have just saved the settings for the option under "General".

The "Assigned Groups" tab gives you an overview of which groups this option has been assigned to. At the same time, you can assign the option to an existing group here. With the

“Options Filter” tab it is possible to filter options. More about this under the point “Options Filter” or. “Associated products”.

In the overall overview of options, all the options you have created are listed again. By clicking on the three dots on the right, you can copy, delete or edit the option. Be careful when deleting, if this option is assigned to one or more articles, it will also be removed from all of them.

After the options have been created, they must now be assigned to the groups. Since we haven't created any groups yet, this needs to be done first. In principle, as with the options, click on the “Add Group” button to create a new group.

## **Create groups and assign options**

### **Group information**

#### **Group name, Short description and Long description**

basically behave like the options. We therefore refrain from presenting the functions again at this point.

## **Settings**

### **intern Identify**

Here too, it is for purely internal use, as with options. However, you can search for it in the admin using the options. You could do this, for example: B. Options with the same name clarify the differentiation.

### **additional class**

This makes it possible to store your own styles.

### **Options have quantity input**

This allows you to allow the customer to determine the quantity of the option themselves. However, this can only be used with the radio button and checkbox field types.

## Images are zoomed

As the description says, the images can be zoomed.

## Field type:

You can choose from:

- Radiobutton
- Checkbox
- Dropdown
- Numberfield
- Quantityfield
- Textfield
- Textarea
- Parentgroup
- Productgroup
- Formula (only available if the additional “Formula Calculation” plugin is active.)
- Formula value input (is only available if the additional plugin “Formula calculation” is active.)

Radiobutton, checkbox, dropdown, textfield and textarea should be common field types. The Parentgroup, Productgroup, Numberfield and Quantityfield are new.

**Parentgroup** serves to create supergroups (if you can call it that). These only serve to provide better clarity if you want to combine several groups.

**Productgroup** is a selection to make work easier if you need real items in the options for your application scenario and these are not individual items but variant items. The Productgroup type relieves you of the work of creating an option for each individual variant of an item. If you assign an option with a variant of an item to an option group with type Productgroup, the sibling variants can be added automatically without that each one must be created. A separate option is created for each variant of the article. The option you created manually will be marked as a preselection. Only the variants of a single item can be assigned to a product group.

At **Numberfield** you cannot store letters. If you want to enable entries with commas, an increment must be entered. 0.5 allows entries like 15.5; 16.5; 17. A step size of 0.1 would be 15.1; 15.2; ... possible.

Quantityfield can be used to give the customer the opportunity to determine the quantity of an option themselves.

### **Mandatory information**

You can differentiate between inactive and active.

Active means that a selection of customers within this group must be made. Inactive means that you don't necessarily have to select an option as a customer.

If you use filters, it can happen that the group with the mandatory information is hidden due to unfavorable filtering.

### **Status:**

active - the group is basically available in the frontend

inactive - the group is not available in the frontend

### **Options - Assign groups**

After the group has been saved, a second tab "Assigned Options" will appear at the top next to "General". This is now used to assign the options to the group. Options can be assigned to one or more groups.

If you now click on the arrow pointing down, the selection of options that are available will open.

In my case different colors. By clicking on the individual options, they are assigned to the group. Clicking outside the selection closes this selection again. The following display then appears (this is only an example, as it differs depending on your personal entries)

By changing the position, you can influence the order in which the options are displayed in the frontend. If you e.g. For example, if you want to make green the first option, green would have to be given position 1. You adjust the positioning using the arrows up or down. If you

want to delete an option, you can do this by clicking on the three dots. As always, please don't forget to save.

You can also create new options directly here by clicking on the "Add option" button. This will redirect you to the new option creation process. However, it is important to ensure that not only "Save" is used, but "Save and assign to group". This selection appears when you click on the arrow next to "Save".

Here we would like to point out that if the group is inactive, then automatically all the options assigned to it will also be inactive. This applies even if the options do not inherit.

It can e.g. For example, it may happen that the option "red" is assigned to group "A" and group "B". Then, if group "A" is disabled, red is still available for group "B".

But you can also deactivate the option, then it will no longer be available in any group.

### **Creation and assignment to a set**

InAs usual - blue button - this time click "Add Set".

#### **Setname:**

Here you are free to choose the name.

#### **Group assignment:**

By clicking on the arrow on the right, the available groups open, in principle the same as when assigning the options to the group. Since this is identical to assigning options to a group, there is not much to explain here - again, "Save" don't forget.

In principle, only those groups that are usually often used together on a product should be combined in a set. However, it is not necessary to create a set per product. Therefore, if you e.g. For example, if a set has clothing, it makes little sense to give this set e.g. B. assign the group "Wood Color".



## Assign product options to an item

The product options item has been added to the list after variants.

Click “Assign Options.”

First, a set must be selected. In this example it is clothing. The groups assigned to the set then appear in the middle field. In this example colors and material. By clicking on the desired group, the options selection opens on the right. Now all you have to do is choose. This must be done group by group. After the selection has been made, you must click on “Save assignment” at the bottom right to make the assignment. A summary will then appear showing how many options are added or possibly deleted. To finish, simply click “Save”. Now save the article in its entirety to complete the assignment.

If an option is to be created and added later, it must be assigned manually to the relevant articles. There is no automatic assignment via the set.

With **Display setting** You can provide a different representation of the options for this product (see [more settings:](#))

## Options and variants

If you have assigned options to the main article, these will automatically be applied to the variants. If you want to set different options for one or more variants, you must first click on the three dots on the right in the Product options tab and select “open product options”. There you should now find “Cancel Inheritance” next to Assign Options and Display Settings. Here you click on the chain link to solve the inheritance as usual. You will then be asked if you really want that. Once you have confirmed this, all previously assigned options are no longer available and can be assigned individually for this variant ([Article with variants \(different option\)](#)).

## Delete option assignments

There are various ways to delete an option from an article. To do this, you have to go back to the product options tab for the product. There you will see the assigned options. To delete

one or more options, you can put a tick in front of the option. The word “Delete” will then appear above it. Clicking this will delete the assigned and highlighted options.

Another option is to go via the three points on the right. Click on this and select delete.

Variant 3 is if you go back to Assign Options and uncheck the selected option and then click on Save Assignment.

If you no longer need an option, you can delete it under Catalogs - Product options - Options. But be careful, if this option is still assigned to any article, it will be removed there too. So you have to make sure beforehand that this option should or will no longer be used.

## Options Filter

In order for you to be able to filter your options, you must first create the appropriate filters.

However, this requires that properties have previously been created under Catalogs / Properties. If you are unsure, here is the link to read how properties are

created: <https://docs.shopware.com/de/shopware-6-de/produkte/eigenschaften?category=shopware-6-de/kataloge>

This filter selection is provided by the properties. Only the properties created there can be used as filters here.

But **Danger**, assigning multiple filters to an option can result in apparently incorrect output. It is therefore essential to ensure that the filters are assigned sensibly. It makes no sense e.g. B. assign a color filter and a size filter to an option. If you e.g. For example, if the color “yellow” is assigned the size “L” as an “Options Filter” to an option and the customer then filters by size “L”, the color will only be displayed as yellow if all other colors are not assigned this filter have. The customer then has to manually select the other colors using the “Color” filter in order to see more selection again. Therefore, it is recommended to assign only one filter property.

## Associated products (real items)

Under “Product Assignment” you can select the item(s) that should be available as an option. You can assign one item or several.

Please note that if an item is assigned that itself allows options, only the item itself will be assigned. It is then no longer possible to select the options for the assigned item. The same applies to items that are available in different versions. Here the article must be assigned in the specific variant. When the master item is assigned, variant selection is not possible.

After you have assigned and saved the item(s), you will also have the option to “use item price” under “Prices” in the “General” tab. If you activate this, the actual item price will be calculated as an option premium or discount for the item you have just assigned. If you leave it inactive, you can set your own premium or discount like all other options.

## **Variants as real Article**

If you want to use a variant of an item as a real item and the sibling variants as well, you have to click on the three dots (right) and select “Assign variant siblings too”.

For a later update, if variants of an article change, the generation of the options can also be initiated via the console. The command is used for this: `bin/console productoptions:processing group`

## **Where can I find the options when ordering?**

In the respective order you will find a list of the ordered items under positions. Behind it (right) there are three dots. If you click on it, you will be able to view the options ordered by the customer if you select “Show configuration”.

## **Frontend (customer view)**

We have decided not to display the selected options unfolded at first, as this quickly becomes confusing depending on the quantity. Hence the arrow down and up respectively. When you click on the down arrow, your customer will see the selected options; when you click on the up arrow, they disappear again.

## **Import/Export product options**

The ProductOptions profile is available under Settings > Import/Export.

**- Importing options to another item not recommended !**

Unfortunately, this is not possible without manual rework. Therefore, you first copy the options that you want to import. The best way to do this is as follows:

1. delete all rows that do not have the same productId (productId column)
2. copy these lines and put them below
3. replace the productId with the product ID where the options should be imported. You can find these e.g. B. in the admin by opening the article in the admin. Now you can copy the ID from the URL and swap it. This product ID must be swapped for all lines.
4. After that you still have to **everyone** Enter a unique 32-digit line consisting of letters and numbers or just numbers. This must be different per line. In the rare case that a productId already exists, this option will not be imported.
5. Delete the lines that you copied under point 2.
6. save as .csv

Since this is just a guide on how one could go about it (importing options to another article) Although we do not recommend it under any circumstances, we do not provide free support for this point.

## Important to know

### Order follow-up or new order creation in the admin

A manual order with options in the backend by you as the shop operator is not possible.

### Calculation display on item detail page

The price calculation on the item detail page always refers to 1 piece. Any graduated price will only be taken into account in the shopping cart. This does not apply to percentage markups.

## Connection to WaWi

The data required for inventory management is available in the database in the order\_line\_item table.

Since it is not possible to adapt the plugin to all merchandise management systems available on the market, this must be connected individually from the merchandise management system. This means that the WaWi must be adapted to the shop.

This brings us to the end of the plugin installation instructions. We hope you have fun with the plugin.

If you have any questions or are unclear, please write to us at [info@bui-hinsche.com](mailto:info@bui-hinsche.com) or call us at +49 (0) 3441 / 9799060. We are glad to help you.