

**amasty**

For more details see how the [Product Parts Finder for Magento 2](#) extension works.

# Guide for Product Parts Finder for Magento 2

Enhance your store with the extended search options:

- Create year-make-model and similar filters
- Display part finders on home and category pages
- Import values for finder options
- Customize filter display
- Display compatible options

ADD TO CART

REQUEST CUSTOMIZATION

The extension is compatible with **Hyvä Theme**. You can find the 'amasty/module-product-parts-finder-hyva' package for installing in composer suggest. The compatibility is available as a part of an active product subscription or support subscription.

For the extension to work properly, it's necessary to make the SKU attribute available for search. For this, please navigate to **Stores → Product → Product Attributes → choose the SKU attribute → Storefront Properties tab** and make sure that the 'Used in Search' option is set to 'Yes'.

In [Product Parts Finder FAQ](#) you can find answers to the most popular questions about the extension functionality.

## Create a new Product Parts Finder

To create a new product parts' *Finder*, navigate to in **Catalog → Product Finders → Press Add New Item** Button

### General

Title \*

Number of Dropdowns \*

Specify **Title** and a **Number of Dropdowns**.

Consider, that you can specify **number of dropdowns** only in this form. The other suggested fields

will be available for [editing](#) afterwards as well.

Hit **Save and Continue Edit** to proceed.

## Edit a Product Parts Finder

**FINDER OPTIONS**

General 

Products

### General

**Title \***

**Number of Dropdowns \***

**Template**

The `horizontal` option is responsive and set by default

**Custom Destination URL**

It determines the page the Finder will redirect customers to when the Find button is pressed. Enter category URL, e.g. special-category.html to redirect search results to one category.

**Add Finder to the Default Category**

Keep 'Yes' to get the Finder working properly at the home and cms pages.

**Add Finder to the Search Page**

- **Title** - Finder block name.
- **Template** - Choose the Finder block layout from a dropdown. Can be set either as **vertical** or **horizontal** (which is **responsive** and set by default).
- **Custom Destination URL** - determines the page to which the Finder will redirect customers when the **Find** button is pressed.
- **Add Finder to the Default Category** - Set to **Yes** to manage a proper work of a finder at the home and CMS pages.
- **Add Finder to the Search Page** - Set to **Yes** to display finder on a search result page.

### Add the finder block in

Place the product finder in particular themes, categories, and other locations. Possible options: sidebar.main, content, footer.

### Categories

- All Categories
- Gear
- ... Bags
- ... Fitness Equipment
- ... Watches

- **Categories** - Multi-select categories.
- **Add the finder block in** - Specify where to display a finder block: a sidebar, content, or footer.

content



sidebar



Code for inserting

```
{{block class="Amasty\Finder\Block\Form" block_id="finder_form" id="1"}}
```

Use this code if you want to put product finder in any CMS page or block.

Code for inserting in Layout Update XML

```
<referenceContainer name="content"> <block class="Amasty\Finder\Block\Form" name="amasty.finder.1"> <arguments> <argument name="id" xsi:type="string">1</argument> <argument name="template" xsi:type="string">horizontal</argument></arguments> </block> </referenceContainer>
```

To add a product finder to a category manually, navigate to Catalog > Categories > Select your category (i.e. Wheels). In the Design section find Layout Update XML field and paste the code there.

- **Code for inserting** - the code for inserting in **CMS block**, which in its turn can be added to

### CMS page.

Go to **Content** → **Blocks** → Click *Add New Block*. Paste a code.



- **Code for inserting in Layout Update XML** - the code for inserting in **Layout Update XML**.

To add a product parts finder to a category manually, navigate to **Catalog** → **Categories** → Select your category (i.e. **Wheels**). In the *Design* section find *Layout Update XML* field and **paste** the code there.

### Design

Use Parent Category Settings

**Theme** [store view] -- Please Select --

**Layout** [store view] No layout updates

**Layout Update XML** [store view]

```
<referenceContainer name="content">
<block class="Amasty\Finder\Block\Form"
name="amasty.finder.1">1 <arguments>
<argument name="id"
```

Apply Design to Products

### Layout Update XML for Magento 2.3.4

In Magento 2.3.4, there is no more the Layout Update XML field in the admin panel. Instead of it, you will find the Custom Layout Update dropdown on the CMS Page Edit, Category Edit, and Product Edit pages. It was done to increase the security level of the system.

Now, to make a custom layout, you need to create a file and place it on the server in the module or theme folder, for example, **app/design/frontend/THEME/LOCALE/layout**. Then you will be able to choose its name from the list in the admin panel. Magento loads all layouts and looks for those among them that meet the following conditions:

- 1) For product pages: catalog\_product\_view\_selectable\_PRODUCT\_SKU\_ANYNAME.xml

For example **catalog\_product\_view\_selectable\_24-MB01\_CUSTOM.xml**

Design 

Theme <small>[store view]</small>	-- Please Select -- 
Layout <small>[store view]</small>	No layout updates 
Display Product Options In <small>[store view]</small>	Product Info Column 
Custom Layout Update <small>[store view]</small>	CUSTOM 

Check **vendor/magento/module-catalog/Model/Product/Attribute/LayoutUpdateManager.php** to get additional data.

2) For category pages: catalog\_category\_view\_selectable\_CATEGORYID\_ANYNAME.xml

For example **catalog\_category\_view\_selectable\_5\_CUSTOM.xml**

Design 

Theme <small>[store view]</small>	-- Please Select -- 
Layout <small>[store view]</small>	No layout updates 
Display Product Options In <small>[store view]</small>	Product Info Column 
Custom Layout Update <small>[store view]</small>	CUSTOM 

Go to **vendor/magento/module-catalog/Model/Category/Attribute/LayoutUpdateManager.php** for more details.

If you already had some Layout Update on the previous Magento version, you will see the **Use existing** option. It means your previous layout was saved, and you can use it on the frontend. If you try to add or change this Layout Update, you will get the following error:

“Custom layout update text cannot be changed, only removed”

Check the [official documentation](#) to learn about other Magento 2.3.4 changes.

## Dropdowns

There is no limit to the number of dropdowns in a single *Finder* block. To configure the display of the dropdown please navigate to **Catalog → Product Finders → Choose any finder → Dropdowns**

### Dropdown #1

---

**Name \***

**Sort \***

alphabetically, asc	▲
alphabetically, asc	
alphabetically, desc	
numerically, asc	
numerically, desc	

**Range \***

No	▼
----	---

**Display Type \***

Image and Label	▲
Dropdown	
Label	
Image and Label	
Image	

- **Name** - the dropdown name that will be displayed on the storefront.
- **Sort** - select a sorting method for data in dropdown.
- **Range** - if you enable this option and then import the data for this drop-down using ranges like “2006-2017” in CSV, the *Finder* will automatically create rows for each individual value in the range.

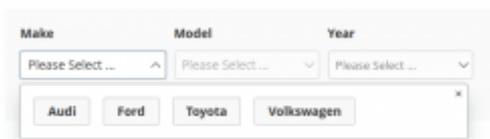
Please, note that **Range** will work for the data you import only **after** the **Range** option is enabled.

- **Display Type** - there are four display types to present the finder options, according to your needs.

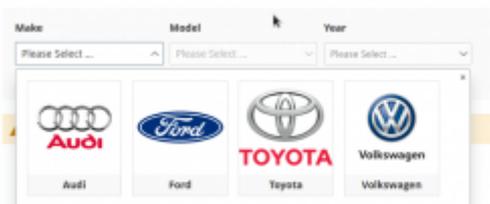
- **Dropdown** - default variant to display options in the dropdown without any styles, plainly;



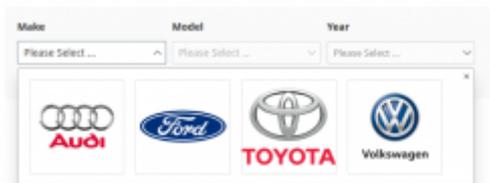
- **Label** - the values will be displayed in the styled blocks;



- **Image & Label** - to display an image with a title in the styled blocks;



- **Image** - select to display only image without any text.



## Range

By enabling *Range* in the dropdown settings you'll be able to automatically generate records for numeric data, like a list of years.

### Dropdown #3

---

Name \*

Sort \*  ▼

Range \*  ▼

Now, when you import a CSV file you can simply define a range like **“2001-2017”** and it will generate 17 **records** automatically when the file is imported.

Here's how the CSV example may look like: Make1,Model1,“2001-2017”,SKU1

The example above will create 17 records in the Finder database which will differ only by the Year value.

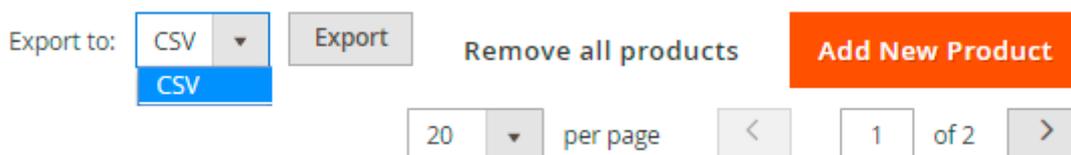
## Add Products to a Finder

There are three ways to add products to a Finder:

- [manually](#) fulfill product forms;
- create and import a [CSV file](#);
- create and upload a CSV file to a specific [folder](#) in the Magento directory.

### Manually

To add a new product parts' finder manually, go to **Catalog → Product Finders → Edit Finder → Products**



Click **Add New Product** button to fulfill a product form.

### General

SKU

Make

Make Image  No file chosen  
 Delete Image



Model

Model Image  No file chosen

Year

Year Image  No file chosen

With **Image** field, that follows each option, upload images if it is needed.

Once you specify an image for a particular option while creating one product, the image will be automatically added to this option within the entire dataset, for all the products containing the option.

### Import via CSV file

You can import records to the finder with **CSV** files.

To add a new product parts' finder via import, go to **Catalog → Product Finders → Edit Finder → Import**

Deciding on CSV format is very simple: count the number of **dropdowns** you have and add one more for the **SKU** column. For example, if you have **three dropdowns**, adding **one** makes it **four-column CSV**.

In some cases you may have several SKUs that match the same parameters. So you can indicate all the matching SKUs in one line separating them by comma. Also note that when you indicate more than one SKU in one line, the SKUs should be put inside quotation marks.

Below you can see an example CSV file with the data containing all the variations for *Make*, *Model* and *Diameter* and assign these variations to products in Magento Catalog.

	A	B	C	D
1	Make,Model,Year,SKU			
2	Ford,"Fiesta Sedan M-3600-R",2009,prts-1			
3	Ford,"Fiesta Sedan M-3600-R",2010,prts-1			
4	Ford,"Fiesta Sedan M-3600-R",2011,prts-1			
5	Ford,"Fiesta Sedan M-3600-R",2012,prts-1			
6	Ford,"Kit M-6066-M8627",2013,prts-2			
7	Ford,"Kit M-6066-M8627",2014,prts-2			
8	Ford,"Kit M-6066-M8627",2015,prts-2			
9	Ford,"Kit M-6066-M8627",2016,prts-2			

Open the **Import** tab, drag and drop the CSV file and hit **Import**. After the import is done, hit the **Save and Continue Edit** button.

## Upload Files

Delete Existing Data \*  ▼

### Drag & Drop CSV Files Here

-or-

Click to open the file Browser

**Search** [Reset Filter](#)

Actions ▼ 1 records found

20 ▼ per page < 1 of 1 >

<input type="checkbox"/>	Files are sorted by priority	Path	State	Errors	Mode	Run	Action
<input type="checkbox"/>	import.csv	/magento/pub/media/amasty/finder/ftp_import/1/import.csv	Uploaded	0	Add Products	<input type="button" value="Import"/>	<a href="#">Delete</a>

Also, you can import Universal products for each product finder by uploading a CSV file. To do so, please navigate to **Catalog → Product Finders → Edit Finder → Universal Products Import:**

## Import Universal Products

---

To work with universal products please set 'Use universal products' to 'Yes' at [configuration](#)

Delete Existing Data

CSV File  No file chosen  
[Download Sample File](#)

### Import from the folder

This variant is useful when you want to import a large file which your web-server might not allow to upload due to size restrictions.

To import files from a folder, you should put the file to the following directory:

**/magento\_folder/pub/media/amasty/finder/ftp\_import/finder\_id/**

Please note that the **finder\_id** part in the path should be replaced with the ID of the Finder you want to import the file into. After the file upload is done, open the **Import** tab and the file you've uploaded will appear ready to import.

## Add Images To The Filter Options

You can upload images for the options either [manually](#) or by uploading a CSV file. For the image upload, please navigate to **Catalog → Product Finders → Edit Finder → Add Images To The Filter Options:**

In **CSV file**, specify the dependency: an image name next to an option name, comma separated.

```
option_name_1,image_name_1  
option_name_2,image_name_2  
option_name_3,image_name_3  
option_name_4,image_name_4
```

## Import Images

---

For import please upload images to the following directory:  
**pub/media/amasty/finder/images\_tmp**

CSV File  No file chosen  
[Download Sample File](#)

## Extension Settings

You will find the settings menu at **Stores → Configuration → Amasty Extensions → Product Parts Finder**

### General

Display `Find` Button when [store view]  ▼

Apply Filter for Current Category only [store view]  ▼  
With Varnish cache this setting is ignored

Custom Destination URL [store view]   
Eg. special-category.html In most cases you don't need to set it. Useful when you want to redirect all search results to one category.

Reset Finder [store view]  ▼

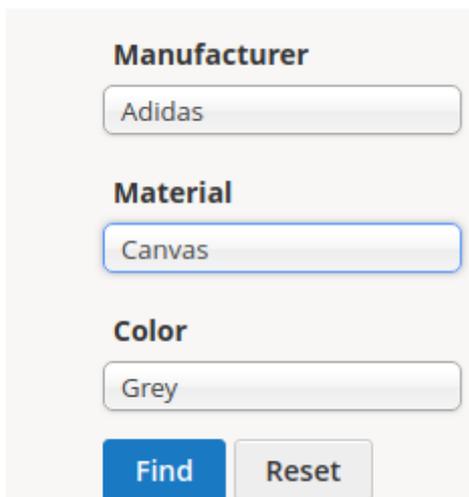
- **Display `Find` button when** - this setting controls when the **Find** button will be displayed: after picking options in **all dropdowns** or after picking the **first**.
- **Apply filter for current category only** - useful when you have one **Finder** instance across the whole store. When enabled, filtering parameters will be reset when a customer browses different categories.
- **Custom Destination URL - Find** button will redirect to the page specified in this setting. It can be set individually for each **Finder** instance.
- **Reset finder** - sets the destination of the **Reset** button. You can choose the next destinations: Home page, the same page, the result page.

## Advanced

Use `Universal` Products <small>[global]</small>	Yes	▼	Allows to add set of products to any search, but might slow down the pages in some cases
Show `Universal` Products Last <small>[global]</small>	Yes	▼	
Start Search when Value in the Last Dropdown is Selected <small>[store view]</small>	No	▼	
Clear other (Previous) Finders Conditions <small>[store view]</small>	Yes	▼	Useful when you have 2 or more finders at the same page.
Redirect to Product Page when One Product in Result <small>[store view]</small>	No	▼	
Enable 'Chosen' Plugin <small>[store view]</small>	Yes	▼	Chosen is a jQuery plugin that makes select boxes much more user-friendly and equips it with the search. <a href="#">Read more here</a>
Display Compatible Options At The Product Page <small>[store view]</small>	Yes	▼	Set 'Yes' to display finder filter options product is compatible with at the product page in the separate tab.
Finder For Compatibility Tab <small>[store view]</small>	Currently Applied Finder	▼	Specify which Product Finder content to display in Compatibility tab.
Title <small>[store view]</small>	Compatibility		

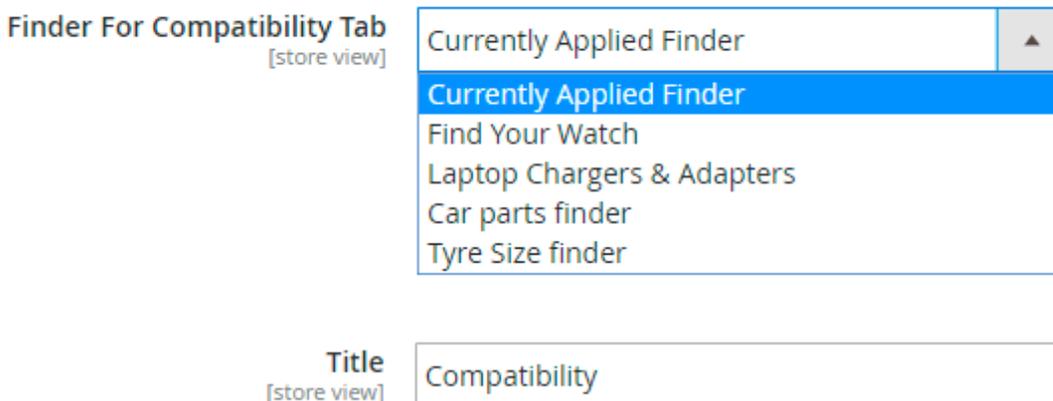
- **Use `universal` products** - enables and disables Universal products in one click.
- **Show `universal` products last** - when enabled, **Universal** products will be put at the end of filtered results.
- **Start search when value in the last dropdown is selected** - when enabled, the Finder will automatically initiate filtering once value in the last dropdown is selected.
- **Clear other (previous) finders conditions** - when enabled and you have more than one **Finder** on the page, only selection in the active instance will apply filtering, all other **Finders** will be reset.
- **Redirect to product page when there is only one product in result** - When there is only one position in the search results, it is possible to redirect straight to the product page. Instead of displaying the list with one item, you can lead the customers to a wanted product.
- **Enable 'Chosen' plugin** - Set to Yes to apply responsive user-friendly design for parts finder.

[Design display with a plugin](#)



The image shows a filter form with three sections: 'Manufacturer' with a text input containing 'Adidas', 'Material' with a text input containing 'Canvas', and 'Color' with a text input containing 'Grey'. Below these inputs are two buttons: a blue 'Find' button and a grey 'Reset' button.

- **Display Compatible Options At The Product Page** - Enable the option to display finder filter options the product is compatible with, in the separate tab at the product page.
- **Finder For Compatibility Tab** - Choose which Product Finder content to display in the Compatibility tab on a product page (either the currently applied or any specific one). The tab displays all the finder's options, the product is compatible with. The tab is active on the product pages after a search by Finder.



The image shows a configuration form for the 'Finder For Compatibility Tab'. The label 'Finder For Compatibility Tab' is followed by '[store view]'. Below it is a dropdown menu with the following options: 'Currently Applied Finder' (selected), 'Currently Applied Finder', 'Find Your Watch', 'Laptop Chargers & Adapters', 'Car parts finder', and 'Tyre Size finder'. Below the dropdown is a 'Title' field with the value 'Compatibility' and '[store view]' below it.

A sample of a compatibility tab



## FinderRepositoryInterface

- save(\Amasty\Finder\Api\Data\FinderInterface \$finder) - saves a finder;
- isDeletable(\$mapId) - checks if a finder is deletable;
- getById(\$id) - gets a finder by ID;
- importUniversal(\$finder, \$file) - imports Universal Products;
- getFinderModel() - gets a finder's model;
- addConditionToProductCollection(\$collection, \$valueId,\$countEmptyDropdowns, \$finderId,\$isUniversal,\$isUniversalLast) - sets a filtration;
- getWithoutId(\$id) - gets all the finders without a current;
- delete(\Amasty\Finder\Api\Data\FinderInterface \$finder) - deletes a finder;
- deleteByIds(\$ids) - deletes various finders by IDs;
- deleteById(\$id) - deletes a finder by ID;
- getFindersByIds(\$ids) - gets various finders by IDs;
- getList() - gets all the finders by the list;
- updateLinks() - updates links to dropdowns in a database;
- getFindersOnDefaultCategory() - gets finders for display on a default category;
- getFindersCategory(\$categoryId) - gets finder for a current category;

## MapRepositoryInterface

- save(\Amasty\Finder\Api\Data\MapInterface \$map) - saves a mapping;
- saveMap(\$valueId, \$sku) - saves with updated data;
- getById(\$id) - gets a mapping by ID;
- getByValueId(\$id) - gets a mapping by value;
- delete(\Amasty\Finder\Api\Data\MapInterface \$map) - deletes a mapping;
- deleteById(\$id) - deletes a mapping by ID;
- getList() - gets a list of all mapping;

## UniversalRepositoryInterface

- save(\Amasty\Finder\Api\Data\UniversalInterface \$universal) - saves a universal product;
- getById(\$id) - gets a universal product by ID;
- delete(\Amasty\Finder\Api\Data\UniversalInterface \$universal) - deletes a universal product;
- deleteById(\$id) - deletes a universal product by ID;
- deleteByIds(\$ids) - deletes universal products by IDs;
- getList() - gets all the universal products;

## ValueRepositoryInterface

- save(\Amasty\Finder\Api\Data\ValueInterface \$value)
- saveValue(\$parentId, \$dropdownId, \$name)
- saveNewFinder(array \$data) - saves a new finder;
- getValueModel() - gets a model;
- getById(\$id) - gets by ID;
- getByParentAndDropdownIds(\$parentId, \$dropdownId)
- getByParentId(\$id)
- getSkuById(\$newId, \$finderId) - gets SKU by finder's ID;
- delete(\Amasty\Finder\Api\Data\ValueInterface \$value)
- deleteById(\$id)

- deleteOldData(\$finder)
- getList()

## ProductRepositoryInterface

POST (/V1/amasty\_finder/product/find) - gets the products collection by the finder options.

The format values are sent in the request body is:

```
{
  "finderOptions": [
    { "dropdown_id": 1, "value": "1" }
  ,
    { "dropdown_id": 2, "value": "2" }
  ,
    { "dropdown_id": 3, "value": "3" }
  ]
}
```

- **dropdown\_id** values should be placed in the same order (from left to right) as in the finder. All the elements should be included without skipping.
- **value** indicates the ID of the selected value.

## Troubleshooter

- **The finder block should be added to the results page.** Filtering will work only when the Finder block is on the same page with the resulting products. If you don't want it to be displayed you can hide it with CSS, but you still need to place the block on the results page.
- **Make sure that there are products to filter on the page which the finder uses to display results.** The finder works as a product filter. If there are no products to filter on a page then the Finder won't be able to display them.

## Cron Tasks List

Magento 2 Product Parts Finder extension is preintegrated with Cron Tasks List to provide store owners with an opportunity to track and manage all cron tasks running in the website background.

To view all scheduled and executed cron tasks, go to **System → Cron Tasks List**

Run all cron tasks and generate their schedule by clicking the 'Run Cron' button. Also you can delete separate tasks in bulk, apply filtering and sorting options when it is needed.

## Cron Tasks List

Run Cron

Last Cron Activity: 20 seconds ago

Filters Default View Columns

Actions 652 records found 20 per page 1 of 33

ID	Job Code	Status	Created At	Scheduled At	Executed At	Finished At
1038	sales_grid_order_shipment	SUCCESS	Mar 18, 2019 5:47:11 AM	Mar 18, 2019 5:47:00 AM	Mar 18, 2019 5:47:20 AM	Mar 18, 2019 5:47:20 AM
1058	sales_grid_creditmemo_async	SUCCESS	Mar 18, 2019 5:47:11 AM	Mar 18, 2019 5:47:00 AM	Mar 18, 2019 5:47:20 AM	Mar 18, 2019 5:47:20 AM
1078	sales_send_order_emails	SUCCESS	Mar 18, 2019 5:47:11 AM	Mar 18, 2019 5:47:00 AM	Mar 18, 2019 5:47:20 AM	Mar 18, 2019 5:47:20 AM
1098	sales_order_invoice_emails	SUCCESS	Mar 18, 2019 5:47:11 AM	Mar 18, 2019 5:47:00 AM	Mar 18, 2019 5:47:20 AM	Mar 18, 2019 5:47:20 AM
1118	sales_send_order_shipment	SUCCESS	Mar 18, 2019 5:47:11 AM	Mar 18, 2019 5:47:00 AM	Mar 18, 2019 5:47:20 AM	Mar 18, 2019 5:47:20 AM
1196	indexer_reindex_all_invalid	SUCCESS	Mar 18, 2019 5:47:13 AM	Mar 18, 2019 5:47:00 AM	Mar 18, 2019 5:47:21 AM	Mar 18, 2019 5:47:21 AM
1200	indexer_update_all_views	MISSED	Mar 18, 2019 5:47:13 AM	Mar 18, 2019 5:47:00 AM	Mar 18, 2019 5:47:21 AM	Mar 18, 2019 5:47:21 AM
1018	sales_grid_order_invoice_async	SUCCESS	Mar 18, 2019 5:47:11 AM	Mar 18, 2019 5:47:00 AM	Mar 18, 2019 5:47:20 AM	Mar 18, 2019 5:47:20 AM
1024	sales_grid_order_invoice_async	PENDING	Mar 18, 2019 5:47:11 AM	Mar 18, 2019 5:53:00 AM		
1025	sales_grid_order_invoice_async	PENDING	Mar 18, 2019 5:47:11 AM	Mar 18, 2019 5:54:00 AM		

ADD TO CART

REQUEST CUSTOMIZATION

Also, try our **Magento 2 Improved Layered Navigation** to make the shopping process even faster and simpler for visitors.

## FAQ

- Can the module keep the set selection of the parts finder (i.e. brand/model/year) when switching a category?

Find out how to install the Product Parts Finder extension via [Composer](#).

From:

<https://amasty.com/docs/> - **Amasty Extensions FAQ**

Permanent link:

[https://amasty.com/docs/doku.php?id=magento\\_2:product\\_parts\\_finder](https://amasty.com/docs/doku.php?id=magento_2:product_parts_finder)

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