NOV delivers safe, high-quality, technology-driven equipment, services, and support that focus on the activities essential to the global energy industry. Every day, the industry's best minds put more than 160 years of experience to work. Anywhere in the world. Any time, day, or night. We're here to serve the needs of an industry the world can't live without.

**We power the industry that powers the world.**

# Contents

## Introduction

We have redesigned the website to improve customer experience, and aid in getting to your favorite pipe models and spare parts faster.

This document describes features and navigation details for this website.

## Key Features

The following are some of the key features of the website:

- Traverse through catalog hierarchy.
- Search for a model.
- Review pipe model details.
- Review details for different spare parts that go into a model.

Website has various features to make the whole experience of searching and viewing parts very seamless.

## Getting to the Website

User can get to the website from multiple sources:

- From the website https://www.nov.com/products-and-services/tools, user can navigate to new website.
First, navigate to following website as shown in figure 1a,
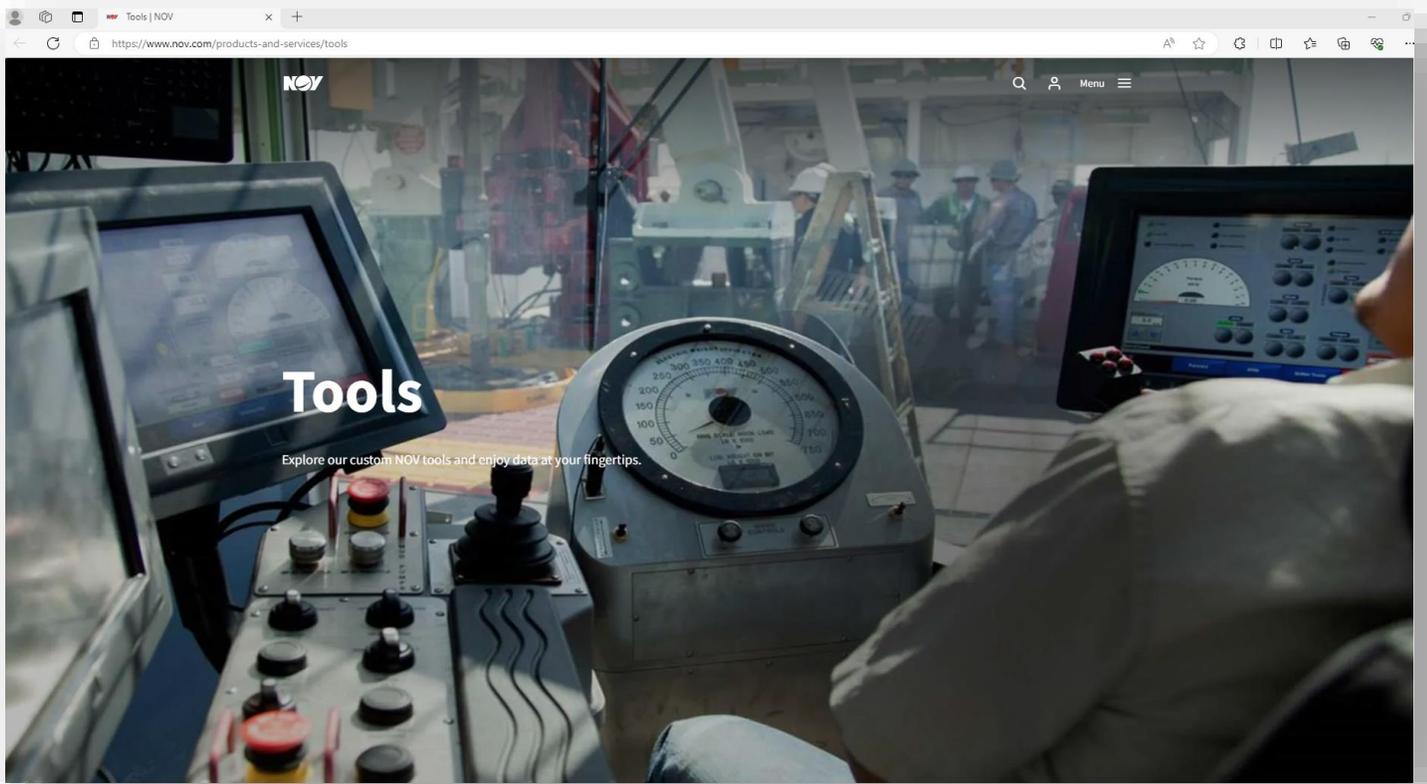


*Figure 1a: website https://www.nov.com/products-and-services/tools*

Now, scroll down to click on the hyperlink circled below in figure 2a,
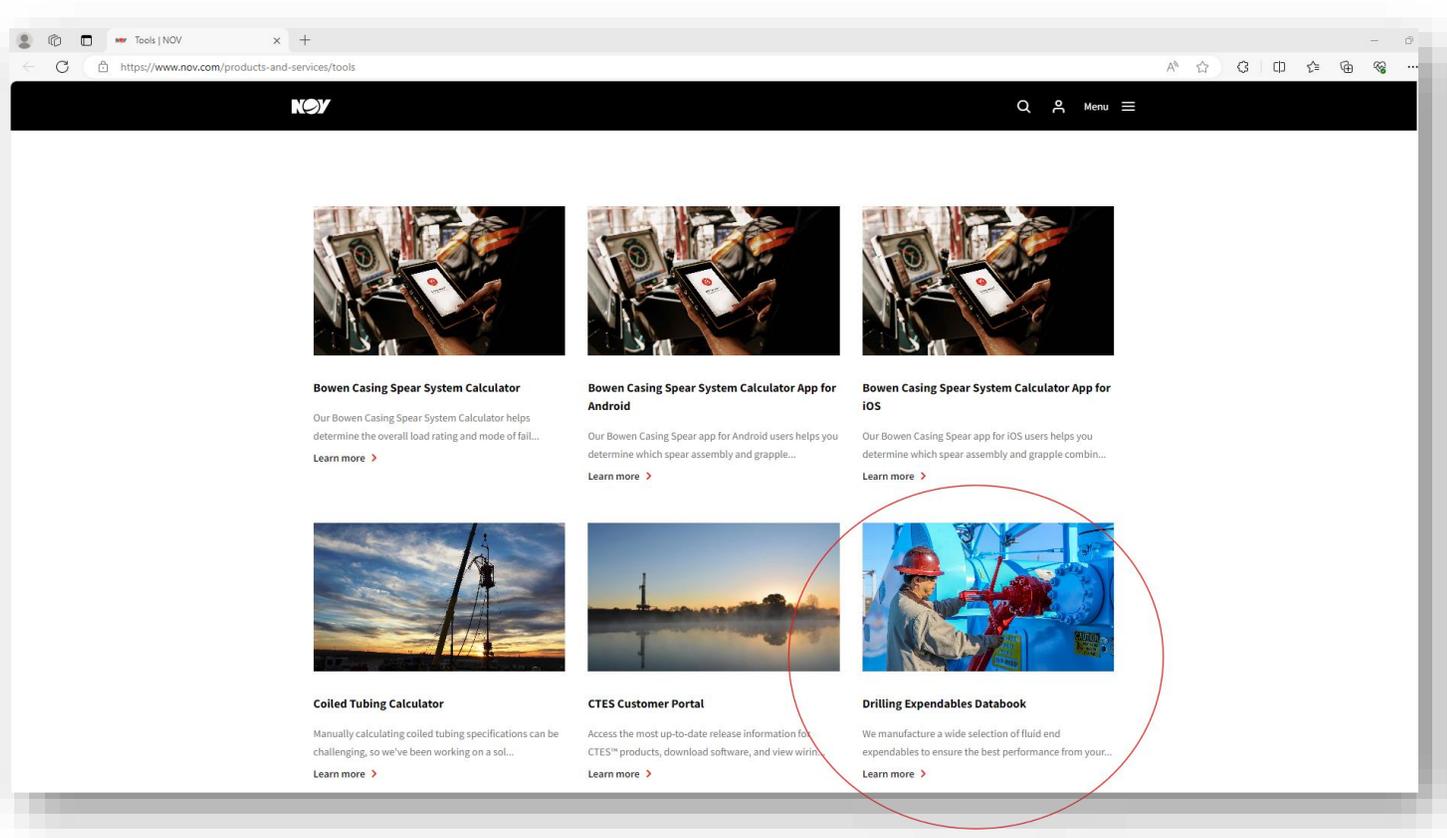


Figure 2a: link to the new website

- With an eye on more product catalogs planned in near future, we have a domain called https://productcatalog.nov.com/. We will make sure that if a user uses the said domain, they will be navigated to the new website.
- From the website https://www.nov.com/products-and-services/brands/mission , user can navigate to new website. First, navigate to following website as shown in figure 1b,

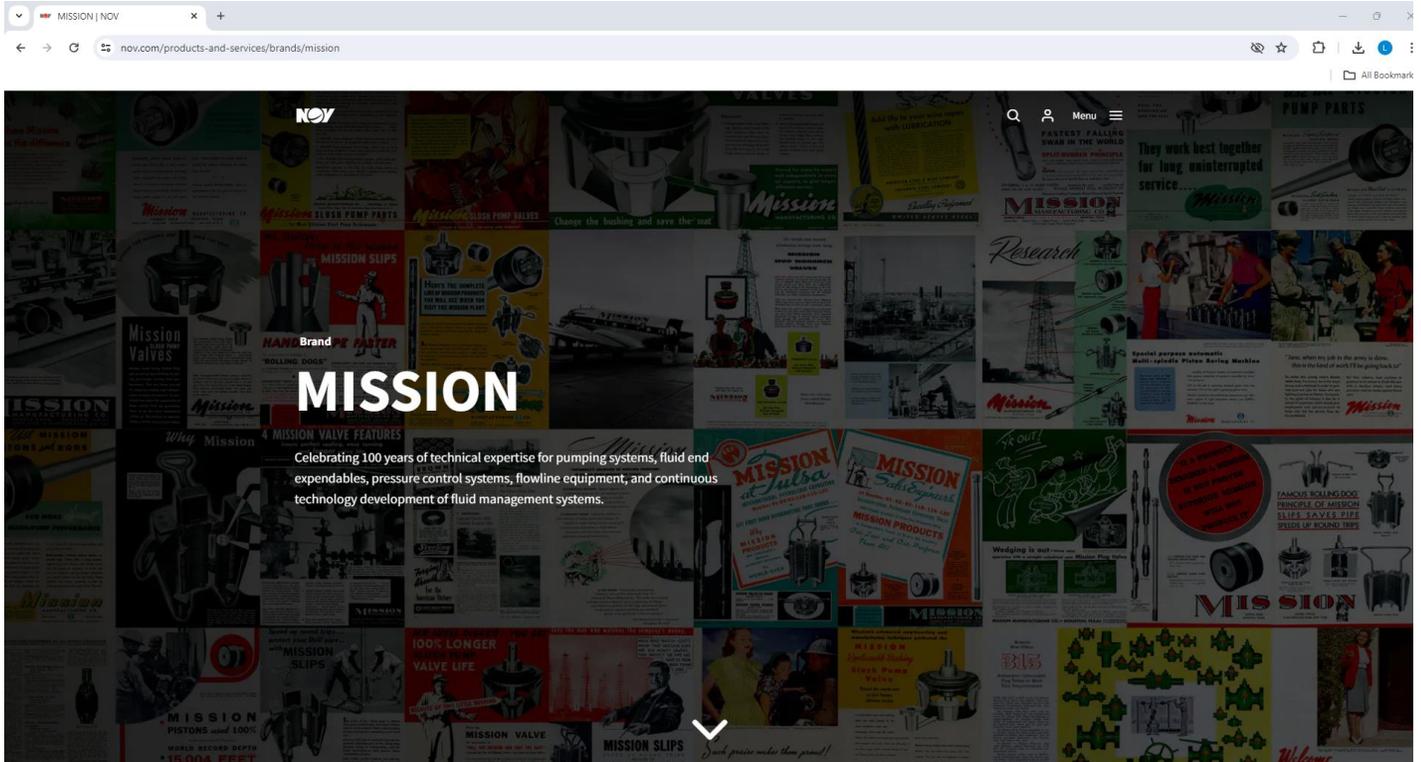*Figure 1b: website https://www.nov.com/products-and-services/brands/mission*

Now, scroll down to click on the hyperlink circled below in figure 2b,
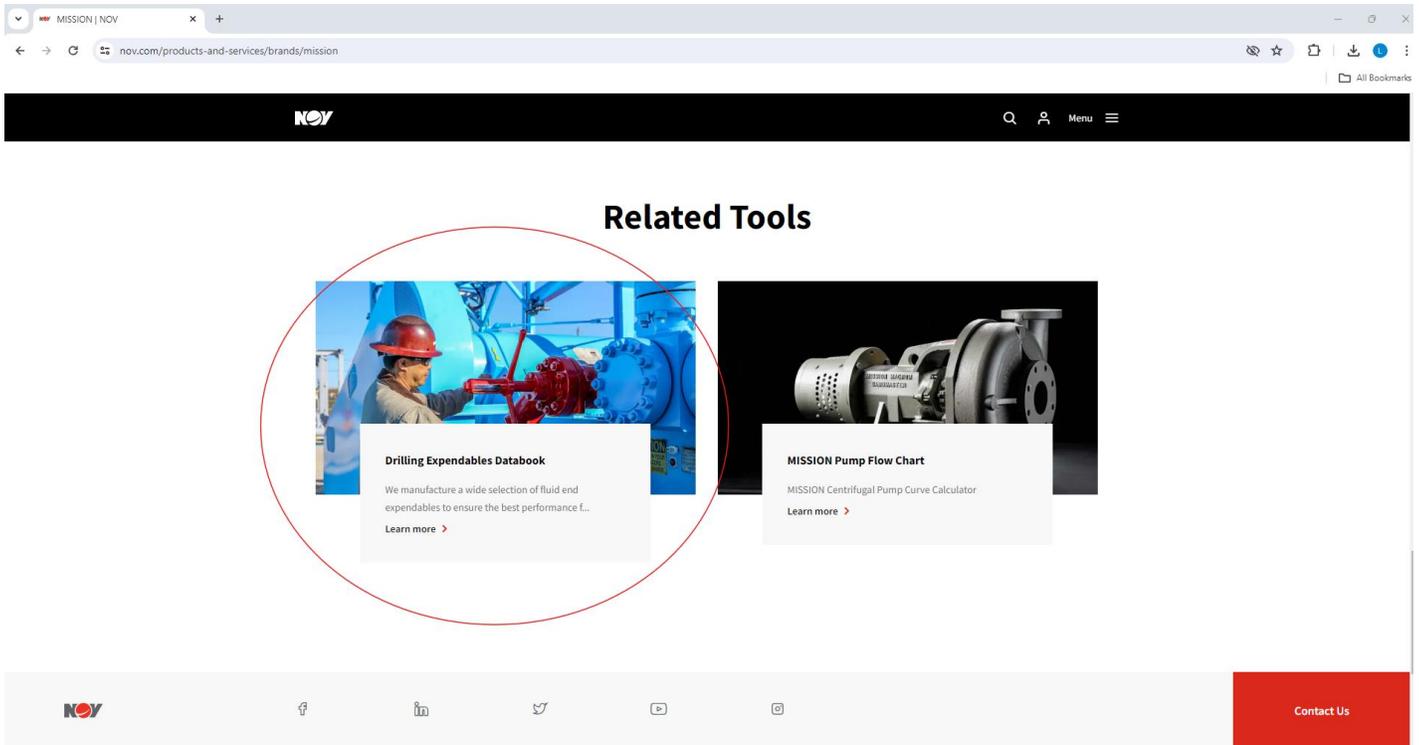


*Figure 2b: link to the new website.*

New website direct URL is following: https://ProductCatalog.nov.com/MissionCatalog

## Website User Scenarios

Although the website is very intuitive, we will explain a few user scenarios here.

A website user will see the following page when they land on the website from the nov.com domain.
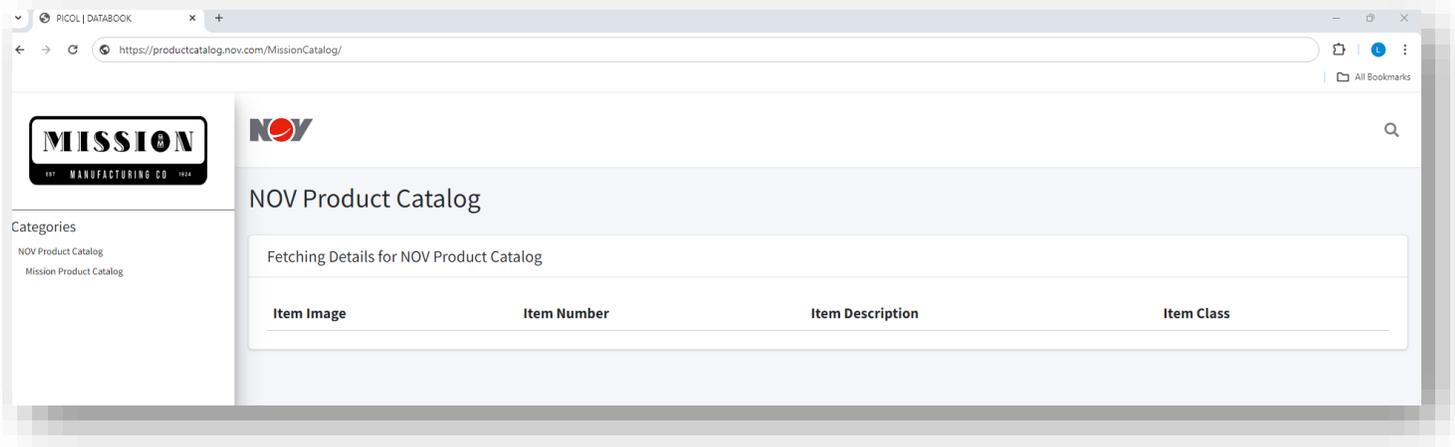


*Figure 3: Home page*

## Left Pane for Navigation

User can navigate to a desired model by traversing the catalog tree in the left pane as shown below in figure 4.
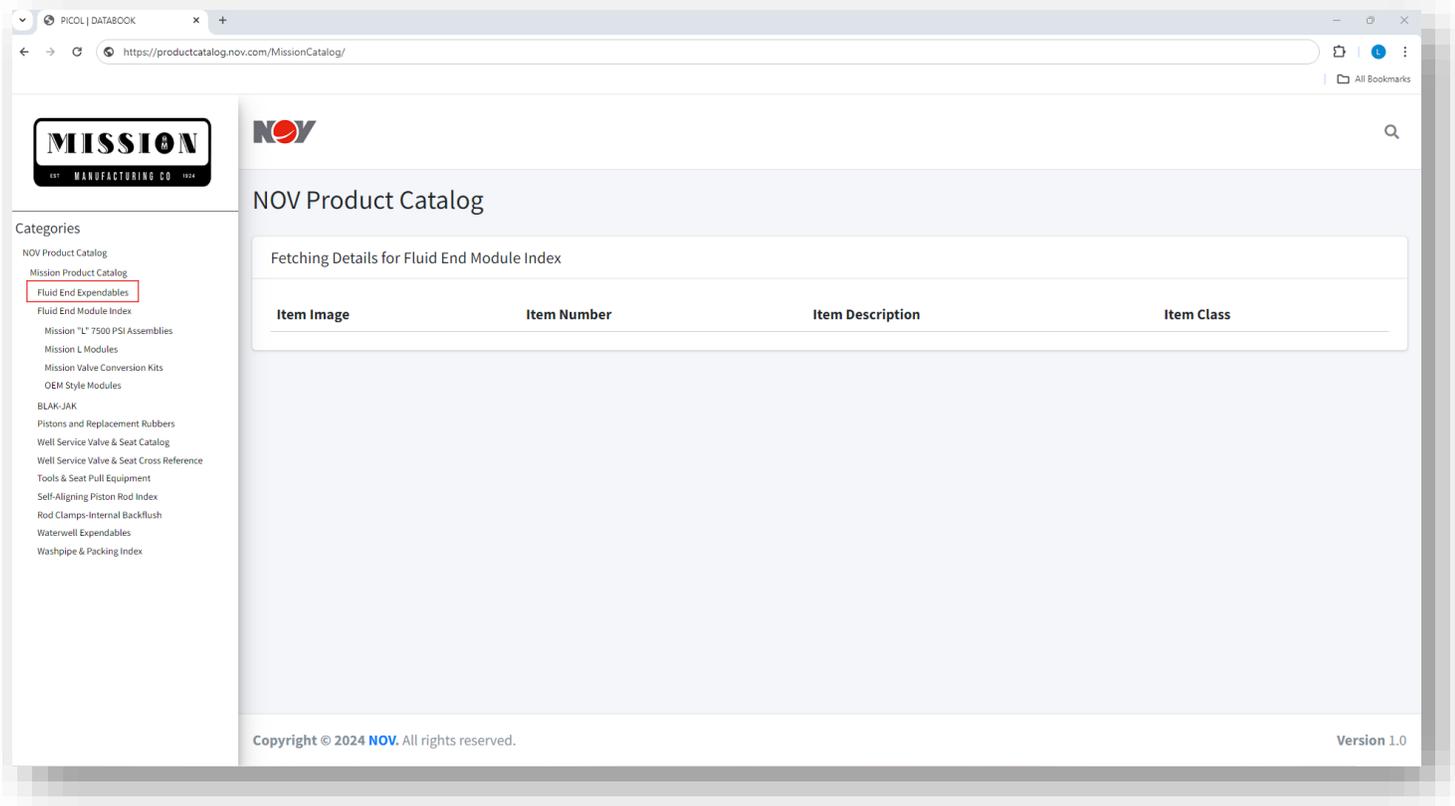
*Figure 4: Left pane navigation*

As you can see, the catalog hierarchy is shown with children catalogs made visible when user clicks on the parent catalog name.

In figure 4, if you click on Fluid End Expendables, they will see below tree structure.
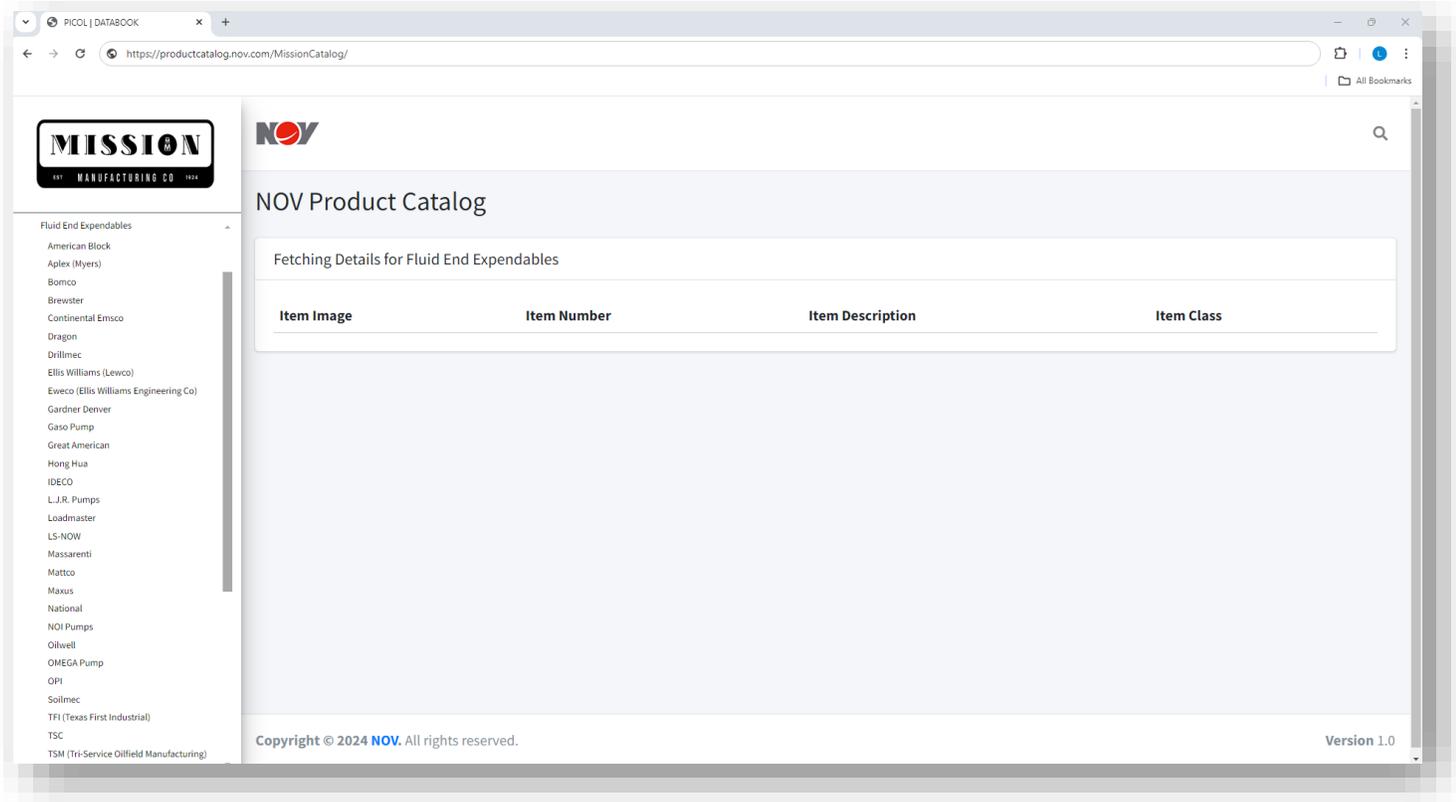


*Figure 5: Expanding a parent catalog category*

Notice a vertical scrollbar in the left pane, allowing user to scroll down and traverse catalog hierarchy.

## Getting to a Model

User can get to the model of their interest by 2 ways,

1. Traverse the catalog hierarchy in the left pane as shown in figure 6a below, user can traverse the catalog hierarchy and select a leaf category that you are interested in.
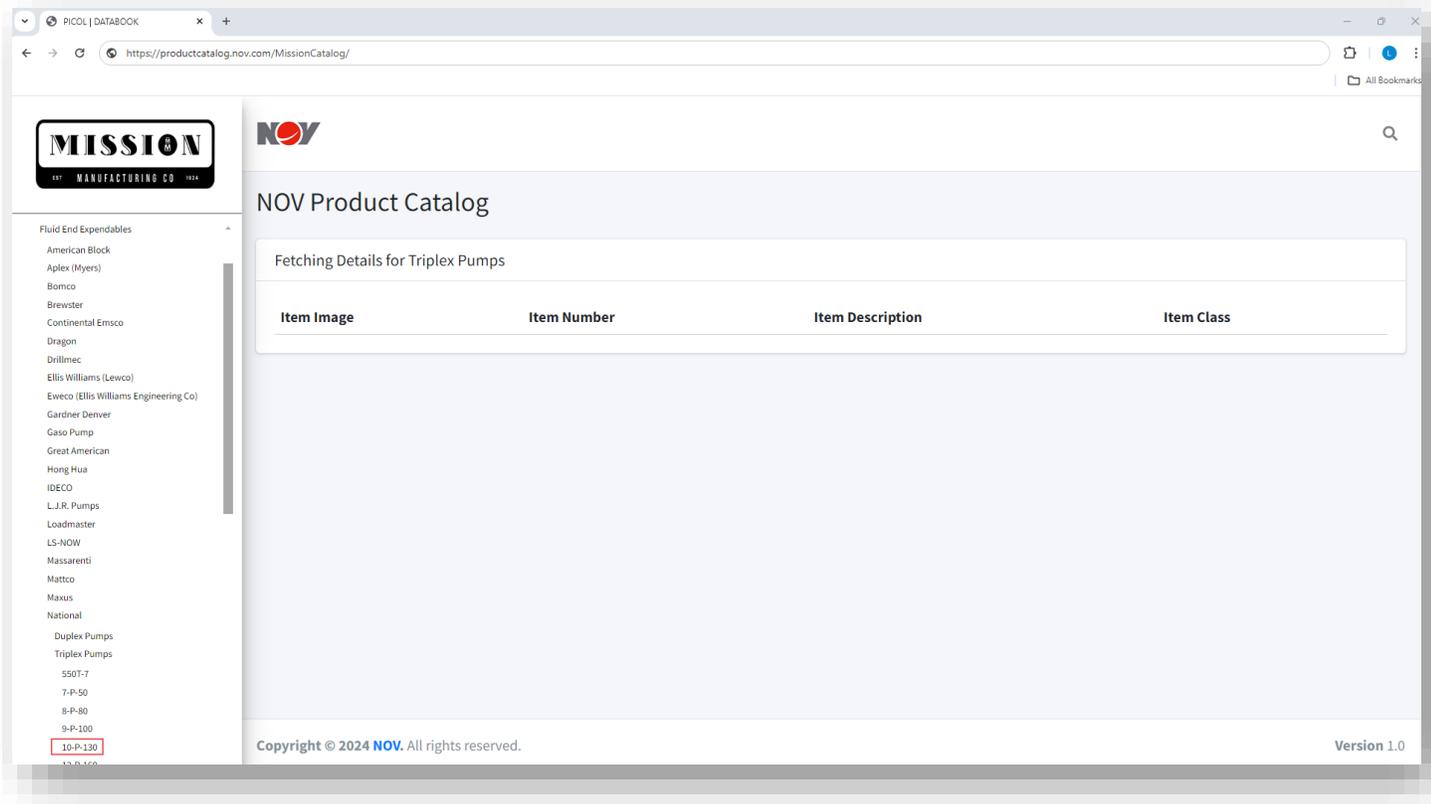
*Figure 6a: selecting a leaf category that model resides in*

Once you select a desired category, the models in that category appear in the right pane; see figure 6b below.
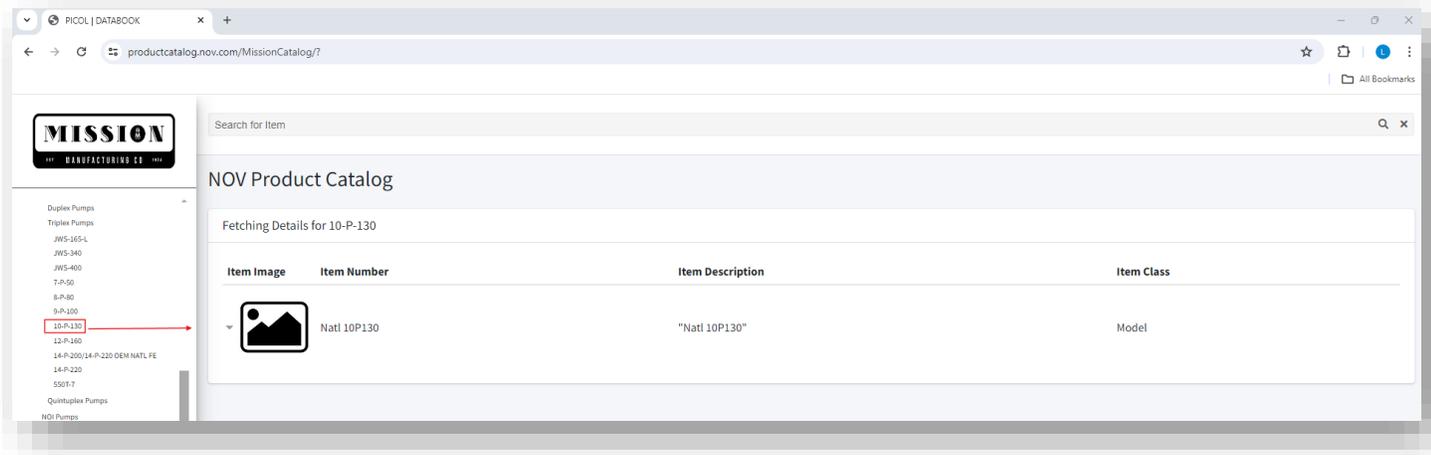


*Figure 6b: models in the selected leaf category*

2.  User can also enter the model number in the right pane top search bar as shown in the figure 6c below,
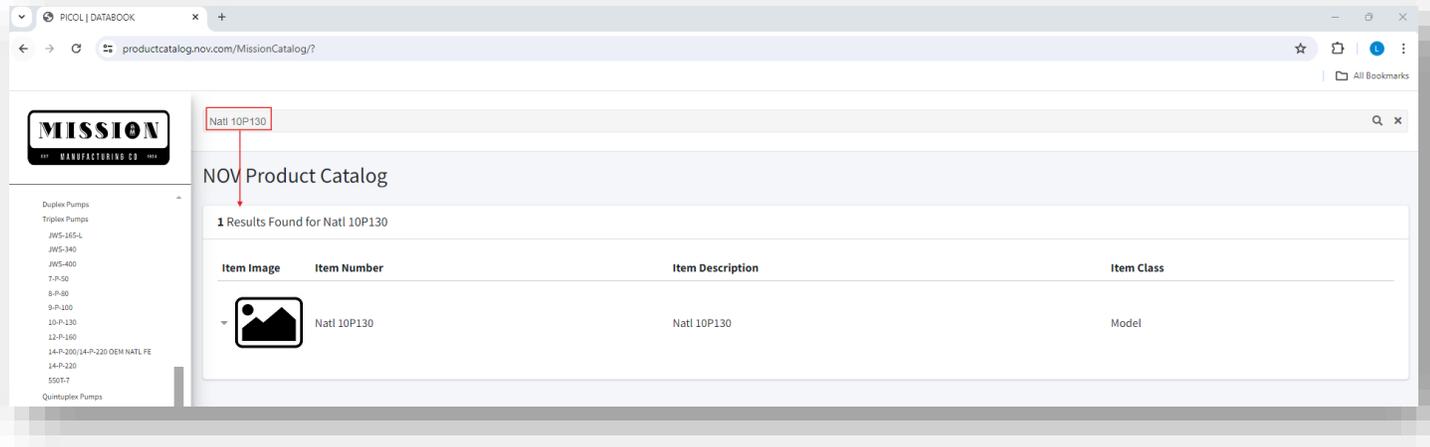
*Figure 6c: searching for a model directly*

In this scenario, depending how many models are returned in the search results, you may get more than 1 record as below,
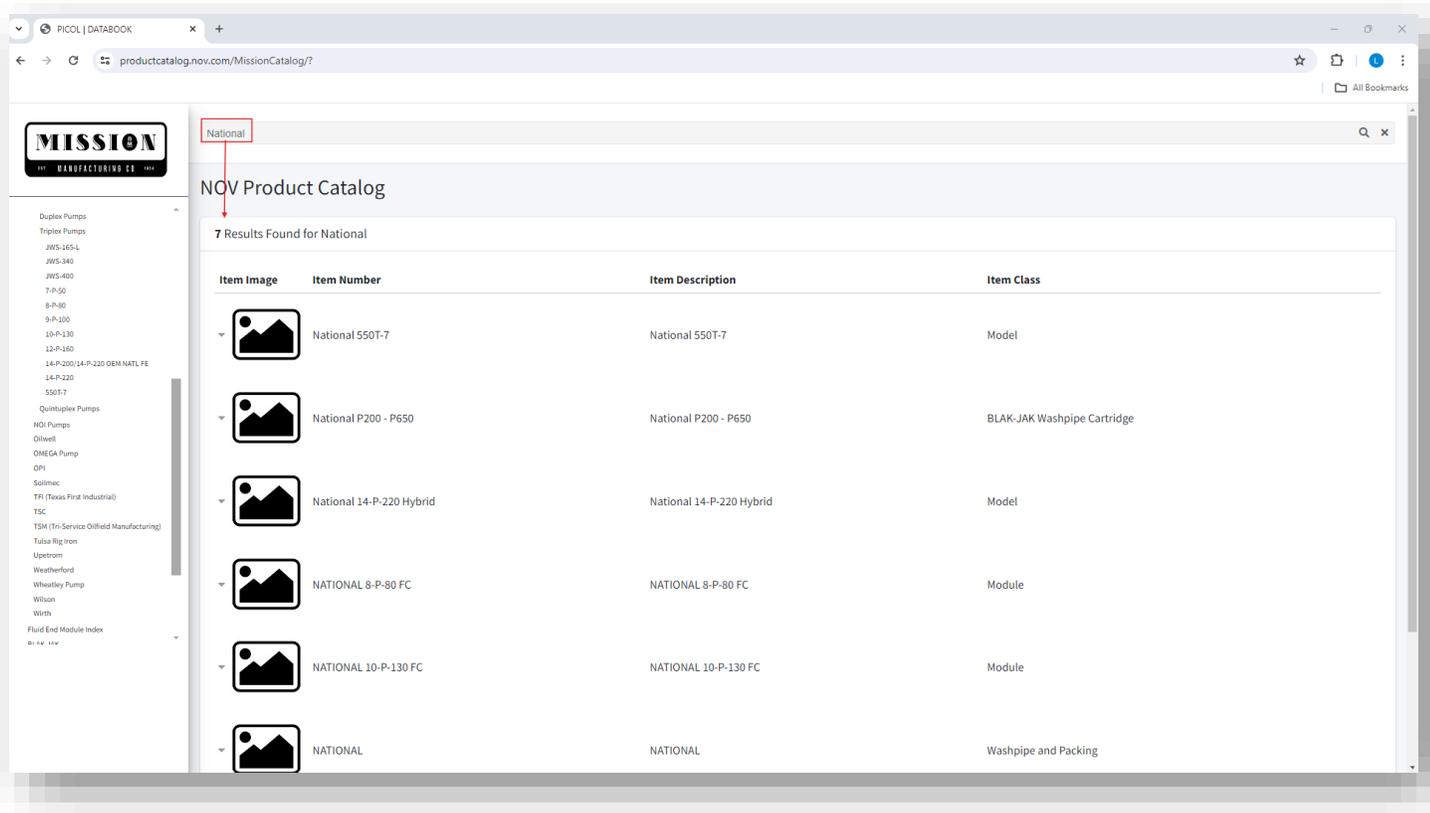


*Figure 6c: Getting multiple search results*

## Review Model details

Once user has selected a model or searched for one, they should see following in the right pane when they click on the model of interest. We will use the example of *National 10 P 130 model.*
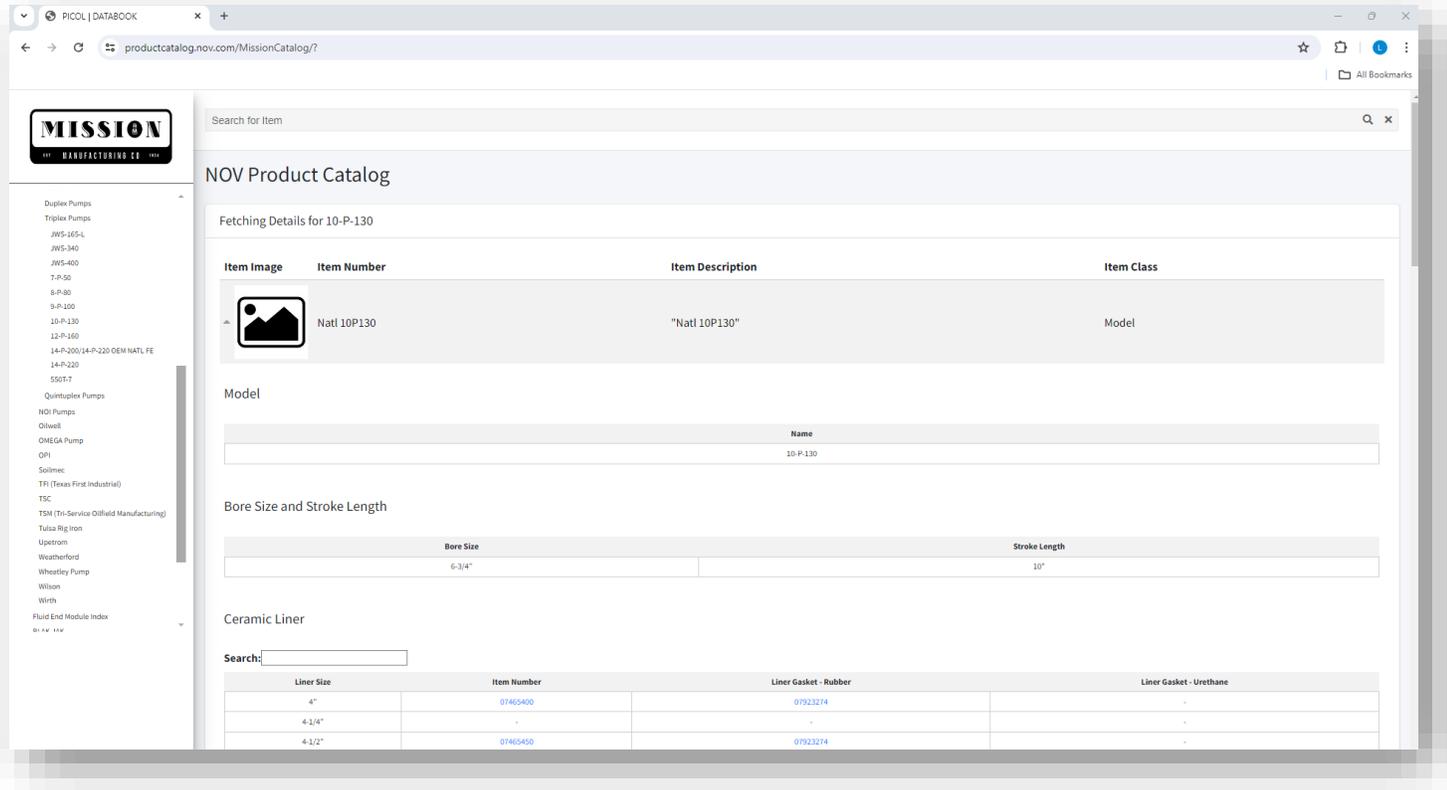


*Figure 7 Example model details screen*

A typical model screen for Mission Product Catalog will show the following sections representing different attribution for that pipe model.

Model

This section is a table that shows the model number. See figure below,



*Figure 7a: model number*

Bore Size and Stroke Length

Bore size and stroke length for the pipe model.

| Bore Size and Stroke Length | |
| --- | --- |
| **Bore Size** | **Stroke Length** |
| 6-3/4" | 10" |

*Figure 7b: Bore Size and Stroke Length*

Ceramic Liner

Various ceramic liner part numbers by liner size and type.

Ceramic Liner

Search:

| Liner Size | Item Number | Liner Gasket - Rubber | Liner Gasket - Urethane |
| --- | --- | --- | --- |
| 4" | 07465400 | 07923274 | - |
| 4-1/4" | - | - | - |
| 4-1/2" | 07465450 | 07923274 | - |
| 4-3/4" | - | - | - |
| 5" | 07465500 | 07923265 | 07211011 |
| 5-1/4" | - | - | - |
| 5-1/2" | 07465550 | 07923263 | 07211005 |
| 5-3/4" | - | - | - |
| 6" | 07465600 | 07923261 | 07211004 |
| 6-1/4" | - | - | - |
| 6-1/2" | - | 07923283 | - |
| 6-3/4" | - | - | - |
| 7" | - | - | - |
| 7-1/4" | - | - | - |
| 7-1/2" | - | - | - |
| 7-3/4" | - | - | - |
| 8" | - | - | - |

*Figure 7c: Ceramic Liner*

Notice that the part numbers are hyperlinks. You can click on a part number to see more details. This brings up a pop-up window to show more details of the part number as below.
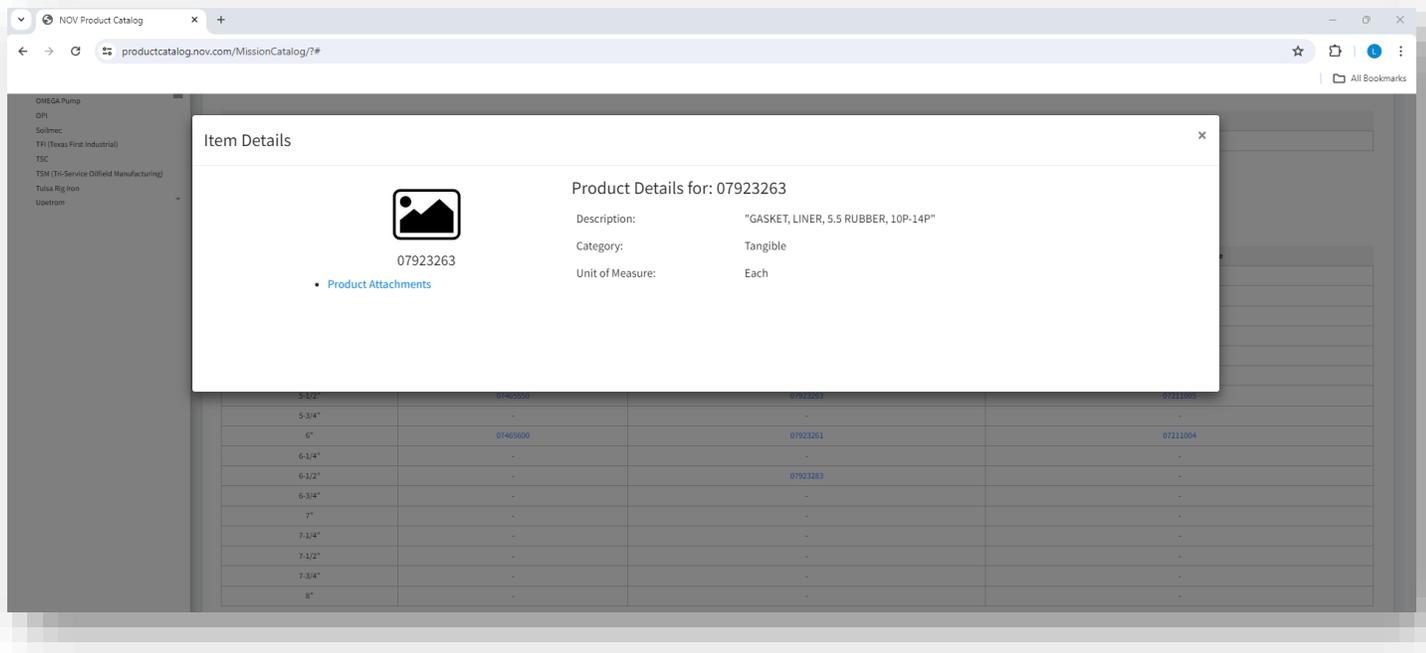
*Figure 7d: Part number pop-up window*

This popup will show limited information for a part number. It will show Description, NOV Internal Category Type, and Unit of Measure.

## Supreme Liner - Triplex

This information is like *Ceramic Liner* sub-section above.

## Valves Seats Springs and Inserts

Different part numbers for valve seats and inserts of different sizes and types.



| Name | Roughneck | Roughneck HP | Roughneck Bonded | Supreme | FKN | Service Master | FK1 | Silver Top | SMII |
|---|---|---|---|---|---|---|---|---|---|
| Valve - White Lightning Insert | 9700367 | 9700359 | - | 060152809 | - | - | - | - | - |
| Valve - Urethane Insert | 9700285 | 9700353 | - | 060152808 | 1560995 | - | - | - | - |
| Valve - Rubber Insert | 9702601 | - | - | 060122702 | 1560994 | - | - | - | - |
| Seat | 9702555 | 9702555 | - | 061102604 | 1561450 | - | - | - | - |
| Spring | 08201684 | 08201684 | - | 055413421 | 1560701 | - | - | - | - |
| Spring - Stainless | - | - | - | 055402945 | - | - | - | - | - |
| Insert - Urethane | 9705090 | PFO6I | - | 062400106 | 1560587 | - | - | - | - |
| Insert - Rubber | 9705155 | - | - | 062400056 | 1560588 | - | - | - | - |

*Figure 7e: Valves Seats Springs and Inserts*

## Gaskets and Rod Packing

Different part numbers for gaskets and rod packing of different sizes and types.

Gaskets and Rod Packing

Search:

| Name | Type | Item Number |
|---|---|---|
| Valve Cover | OEM | 1540137 |
| Valve Cover | OEM Urethane | 1540126 |
| Valve Cover | L Style | 07207128 |
| Valve Cover | L Style Urethane | - |
| Valve Cover | L Style White Lightning | - |
| Cylinder Head | OEM | - |
| Cylinder Head | OEM Urethane | - |
| Cylinder Head | L Style | - |
| Cylinder Head | L Style Urethane | - |
| Cylinder Head | L Style White Lightning | - |
| Wear Plate | OEM | 1290344 |
| Wear Plate | OEM Urethane | 07211023 |
| Wear Plate | L Style | 1290344 |
| Wear Plate | L Style Urethane | 07211023 |
| Wear Plate | L Style White Lightning | 07213023 |

*Figure 7f: Gaskets and Rod Packing*

## Modules

Different modules.

Modules

| Name | OEM | Mission L |
|---|---|---|
| Complete Assembly | FEMNAT10PCA | 80703031 |
| Discharge Module Studded | FEMNATDIS10P | 80703000 |
| Suction Module Studded | FEMNATSUC8P9P | 80703001 |

*Figure 7g: Modules*

Module part number hyperlinks behave differently than previous hyperlinks. It shows the engineering design attachment inline as shown below in figure 7g.2. Moreover, this window also shows extra information on module components.
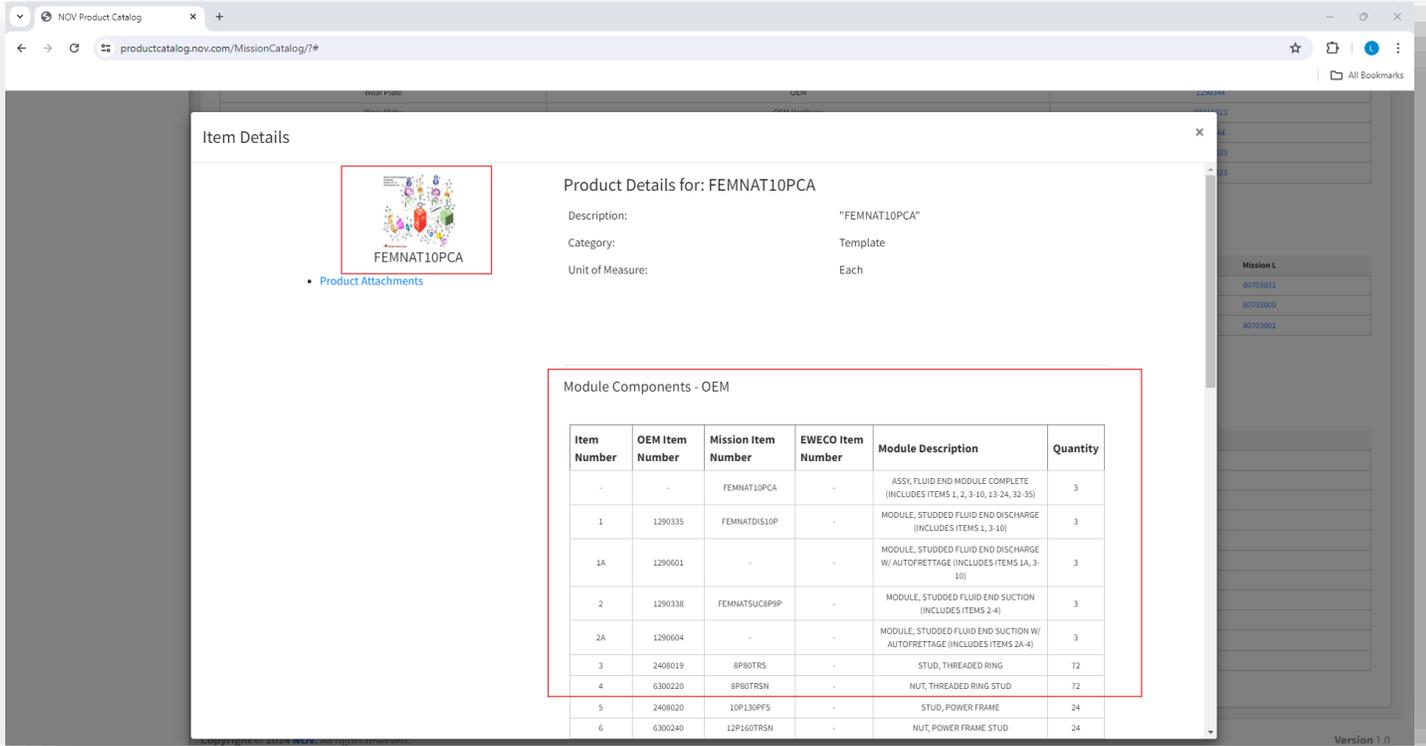
*Figure 7g.2: Module product details*

User can click on the image and a larger design appears as shown below in figure 7g.3. User can download and save this image on their desktop.
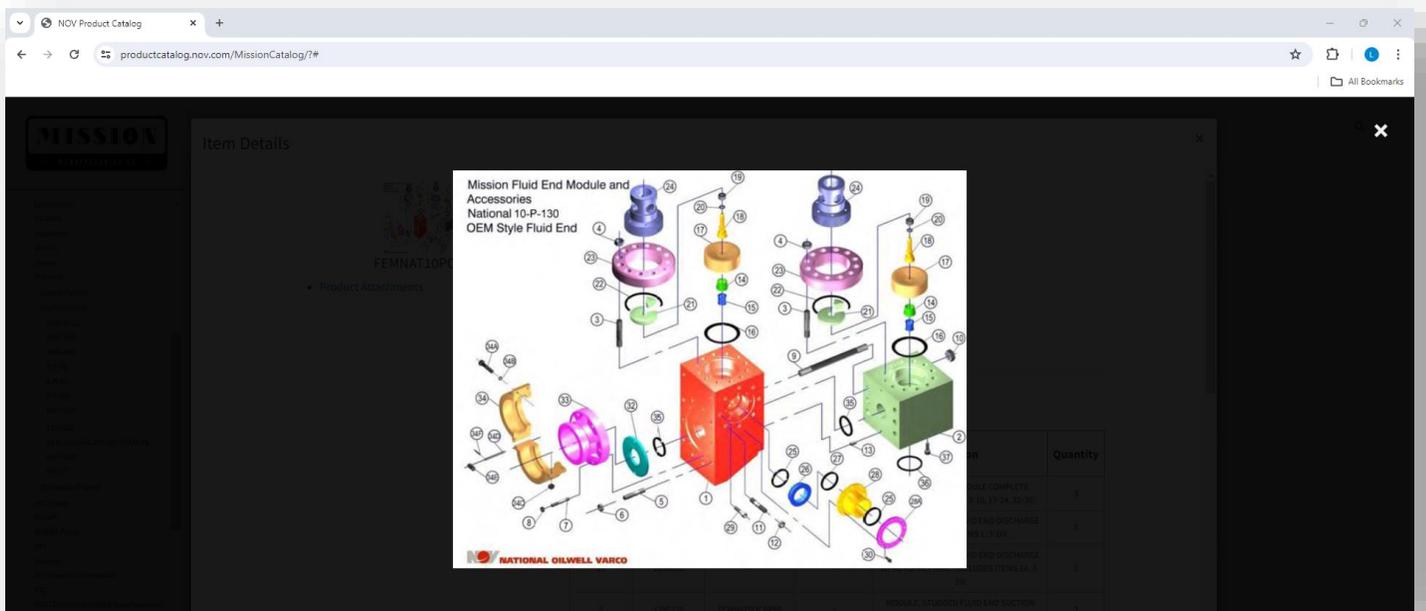


*Figure 7g.3: Product specs downloadable image*

Piston Rods

Different Piston rod parts.

Piston Rods

Search: [          ]

| Name | Item Number |
|---|---|
| Crosshead Rod | 1602560 |
| Quick Connect | - |
| Self Aligning Rod Assembly | 1095210 |
| Pony Rod Baffle | 1290194 |
| Piston Rod | 1290347 |
| Sub Rod | 1290346 |
| Rod Nut | 005402052 |
| Clamp | 1290085 |
| Clamp W/ Spray | PP601013S |
| Covered Rod Nut | CRN-1 |
| Pony Rod Seal | 1283099 |

*Figure 7f: Piston Rods*

## Spare Parts details

Users will find many categories that list only the spare parts. These pages, like the ones shown below in figure 8a and 8b, will only carry pertinent details for that spare part. Wherever applicable, these pages will have hyperlinks to the part number details pop-up page.



*Figure 8a: Piston and replacement rubber parts*

*Figure 8b: Self Aligning Piston Rod parts*