Instantiating an Alternate Part

About Instantiating an Alternate Part

Internal items in the CES database can be associated with alternate parts. These alternate parts are listed on the Alternates tab of the properties page of the internal item. Occasionally, it might be necessary to instantiate one of these alternate parts into a product you are currently modifying. Instead of performing another CES search in order to find this alternate part, you can instantiate the alternate part directly from the Alternates tab, saving time.

To access the Instantiate option for an alternate part, select one alternate part on the Alternates tab. Right-click the selected part and select Instantiate.

When Instantiating an Alternate Part

- Only one alternate part can be instantiated at a time.
- CES must be connected to the PLM system.
- Only Alternate parts that have an associated geometry (CATPart) and an *APPROVED* **Approval Status** can be instantiated. Please note that internal items associated with V4 .models cannot be instantiated.
- If the alternate part contains only one Knowledge Template, the instantiation process instantiates the Knowledge Template instead of the part itself. For more information about Knowledge Templates, refer to the *Product Knowledge Template User Guide* in the CATIA documentation.
- If multiple Product Structure Editors are open when you instantiate an item, you must select the Product in which to instantiate the item.
- You must close the internal item Properties page after clicking the Instantiate menu item for the selected alternate part.

How To Instantiate an Alternate Part

This task explains how to instantiate an alternate part for a part found using a simple or a standard search. For more information about **Simple Search** or **Standard Search**, refer to : *CES Engineering Catalog Navigator : Search : Simple Search* or *CES Engineering Catalog Navigator : Search : Standard Search*.

This example assumes that:

- you have CATIA Client running and it has access to a CES database that has been populated with manufacturer, supplier and internal items

- you have logged in to ENOVIA V5 VPM and CES. For more information on logging in, refer to Logging in to ENOVIA V5 VPM in CATIA and Accessing CES Functionality.

- you have performed a search for internal items using attribute values appropriate for your database

1. Open a Product design in Wintop.

2. Search CES for an Internal Item. From the Results page, select one item, right-click and select **Properties**.

3. On the **Properties** page, go to the **Alternates** tab. Select one of the alternates items listed. Right-click and select **Instantiate**.
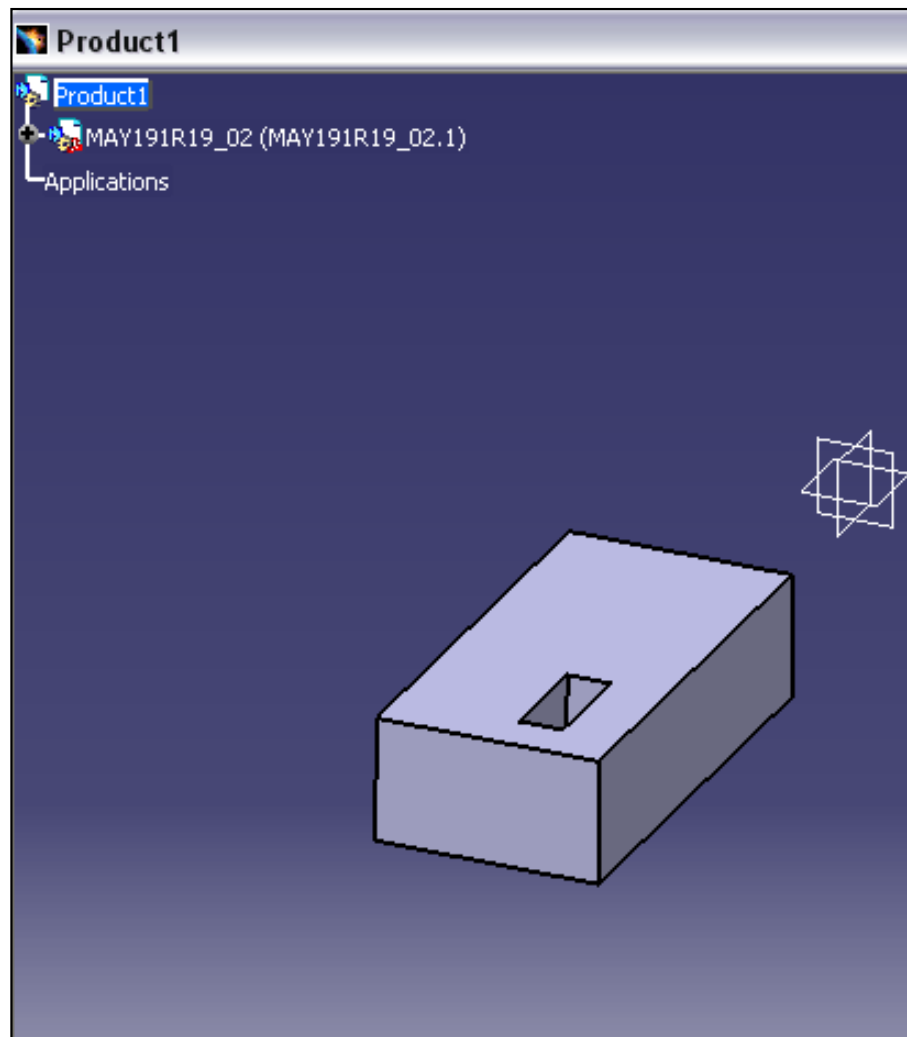
Properties

--Select Item Type-- ▼

Internal Item No: NEWPF_04
Internal Item Description:
Internal Organization: ALL SUPPLIERS
Manufacturer Item No:
Mfr Item Description:
Manufacturer:
Supplier Item No:
Supplier Item Description:

More...

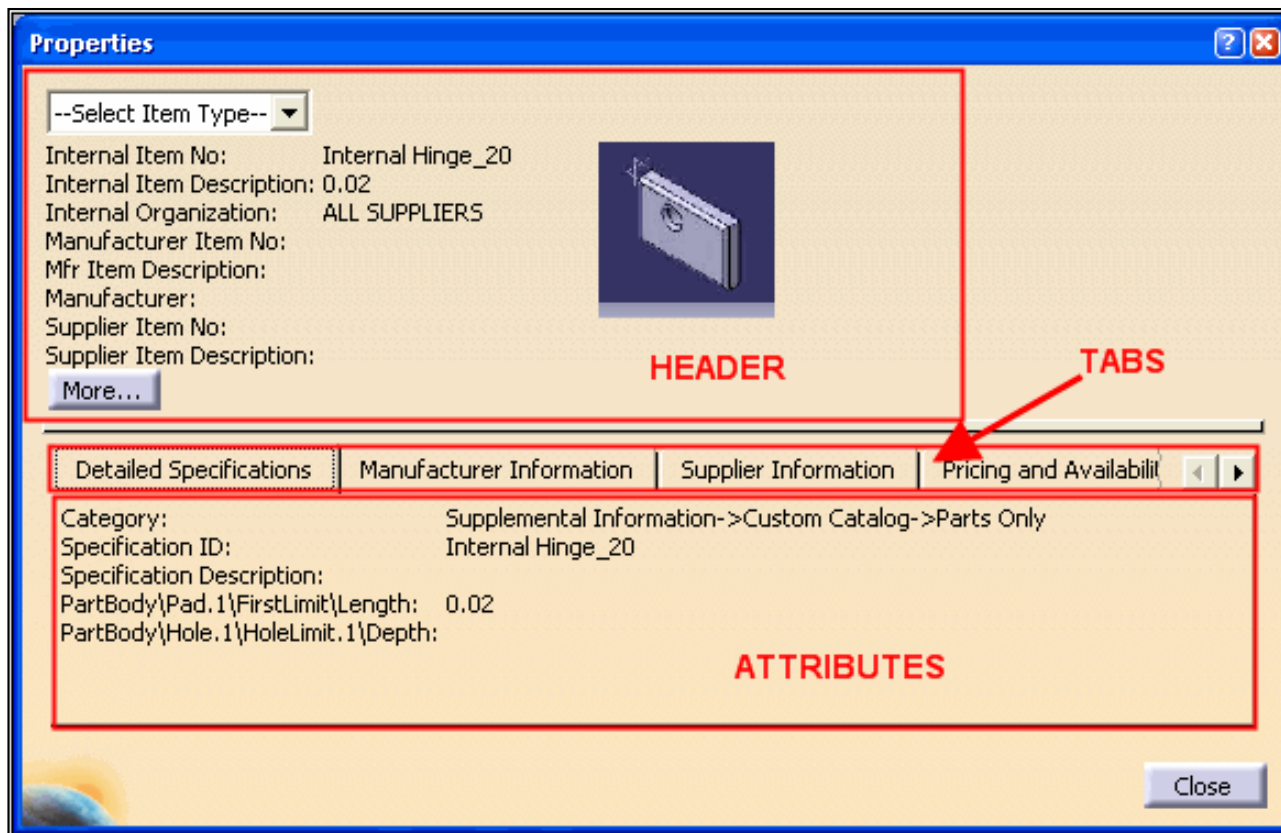| Detailed Specifications | Manufacturer Information | Supplier Information | Pricing and Availability | Alternates |

ALL ▼

Item ID	Organization Code	Name	Item Type	Revision	Alternate Type	
MAY191R19_04	ALL SUPPLIERS	ALL SUPPLIERS	I	1	Functional Equivalent	
MAY191R19_02	ALL SUPPLIERS	ALL SUPPLIERS	I	1	Functional Equivalent	

4. Close the **Properties** window and return to the Product design window. The selected alternate part is instantiated in the Product design window.

Product1
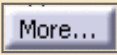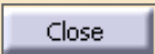- Product1
  - MAY191R19_02 (MAY191R19_02.1)
  - Applications

Properties Window

The **Properties** window can be described as follows

Object	Description
Header	This area lists the static attributes of the object that is open in the **Properties** window. This information remains consistent until changed. Should any of these attributes change, you must refresh the **Properties** window to display the updated information.
Tabs	The tabs appearing in the **Properties** window for Internal Items contain manufacturer information, supplier information, PLM information, pricing, alternate items and attachments, of the object. You can click the tabs to view the corresponding information.
Attributes	You can view all the fields associated with an object. This lists all the fields other than those displayed in the **Header**. These fields are again object-dependent, and can be masked by a company per their individual requirements and standards.

This table describes the fields displayed in the **Properties** window.

Fields	Description
Select Item Type	Dropdown list that lets you switch from one item type to another.

This table describes the buttons displayed in the **Properties** window:

Button	Description
More... **More**	Click this to display all the Header information in a separate **Details** window.
Close **Close**	Close the **Properties** window.

This table describes the tabs available in the **Properties** window:

Window	Description
Detailed Specifications	For more information about this tab, refer to *CES Engineering Catalog Navigator : User Tasks : Properties : Detailed Specifications*.
Manufacturer Info	For more information about this tab, refer to *CES Engineering Catalog Navigator : User Tasks : Properties : Manufacturer Info*.
Supplier Info	For more information about this tab, refer to *CES Engineering Catalog Navigator : User Tasks : Properties : Supplier Info*.
Alternates	For more information about this tab, refer to *CES Engineering Catalog Navigator : User Tasks : Properties : Alternates*.
PLM Profile	For more information about this tab, refer to *CES Engineering Catalog Navigator : User Tasks : Properties : PLM Profile*.
PLM Properties	For more information about this tab, refer to *CES Engineering Catalog Navigator : User Tasks : Properties : PLM Properties*.
Pricing & Availability	For more information about this tab, refer to *CES Engineering Catalog Navigator : User Tasks : Properties : Pricing and Availability*.
Attachments	For more information about this tab, refer to *CES Engineering Catalog Navigator : User Tasks : Properties : Attachments*.