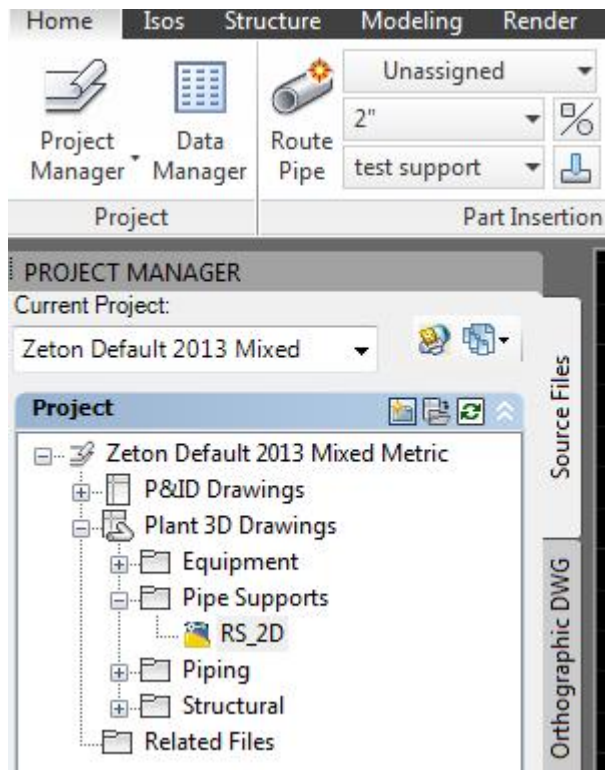
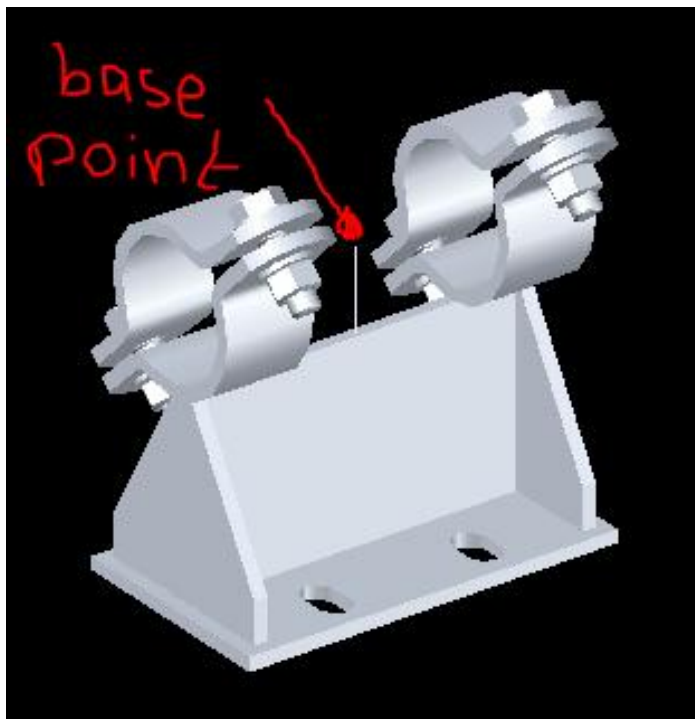


Problem with creating company standard pipe support. (plant3D2013)

1 I started to make a new drawing in our default project, drawing: RS\_2D

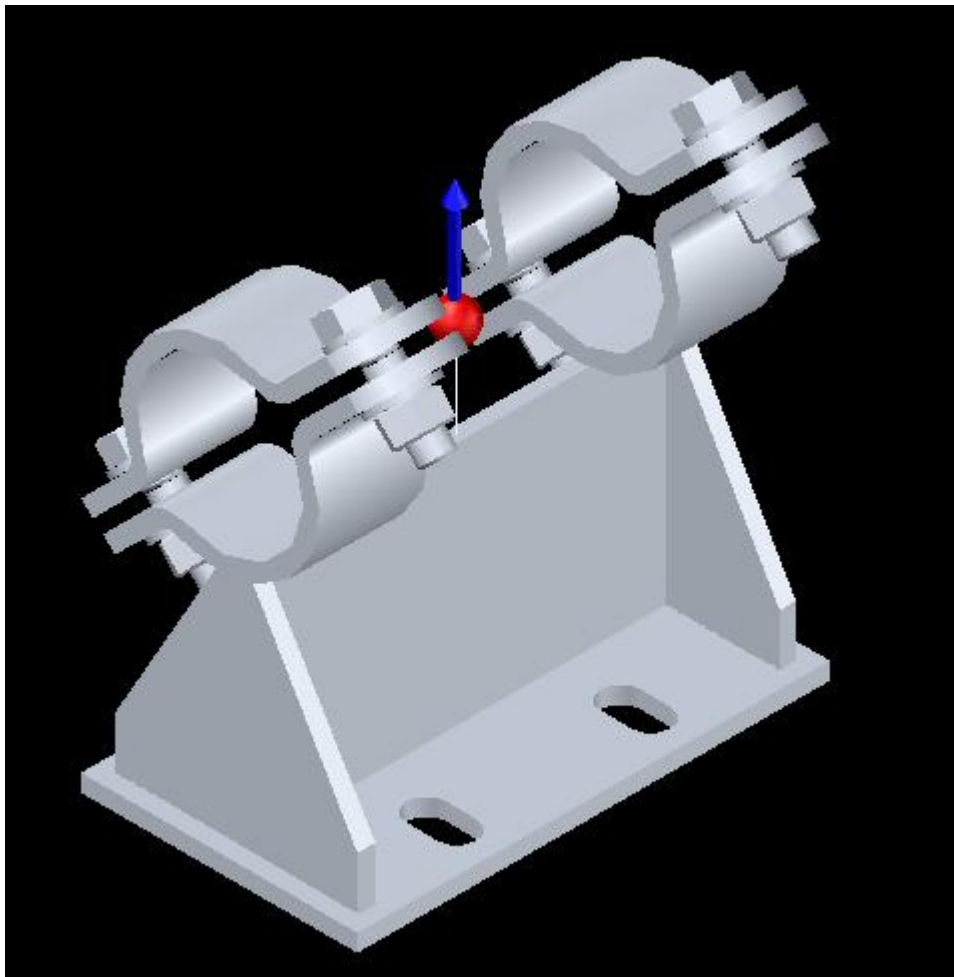


2 In this drawing I created several pipe supports as BLOCK with base point on centre of pipe



3 after this I use the command: <plantpartconvert>  
PLANTPARTCONVERT Select block to convert: <selecting block>  
PLANTPARTCONVERT Select a port operation: <Add>  
PLANTPARTCONVERT Specify port location: <selecting base point>  
PLANTPARTCONVERT Specify port direction: Z+ direction (see below)  
PLANTPARTCONVERT Specify port location and direction: <Accept>  
PLANTPARTCONVERT Specify a port operation: <Exit>

See picture below:



4 Save and leave the drawing

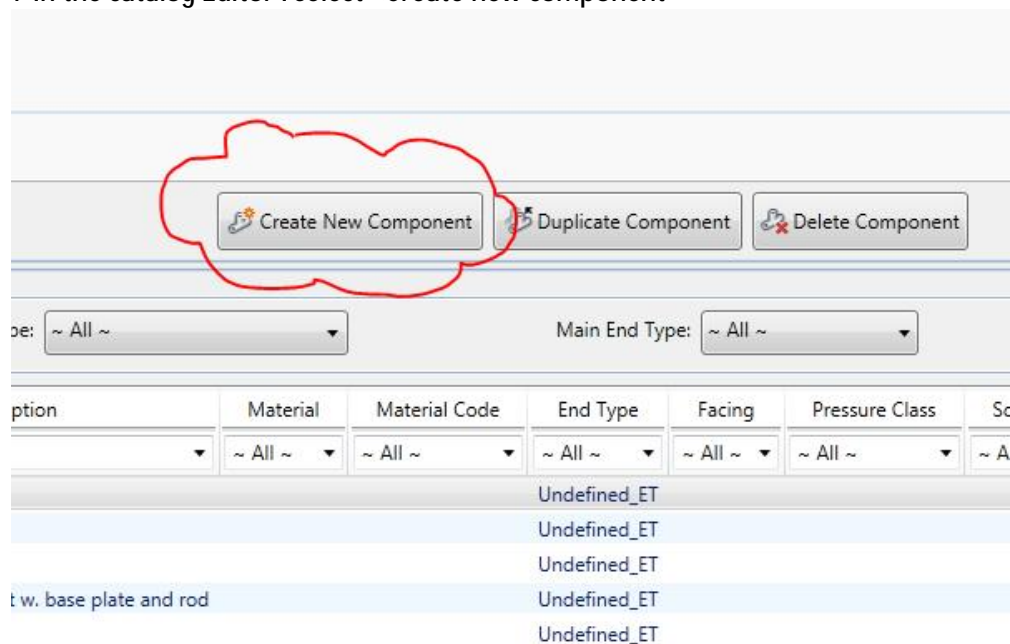
5 Exit Plant3D

## 6 AutoCADplant3D Spec Editor2013

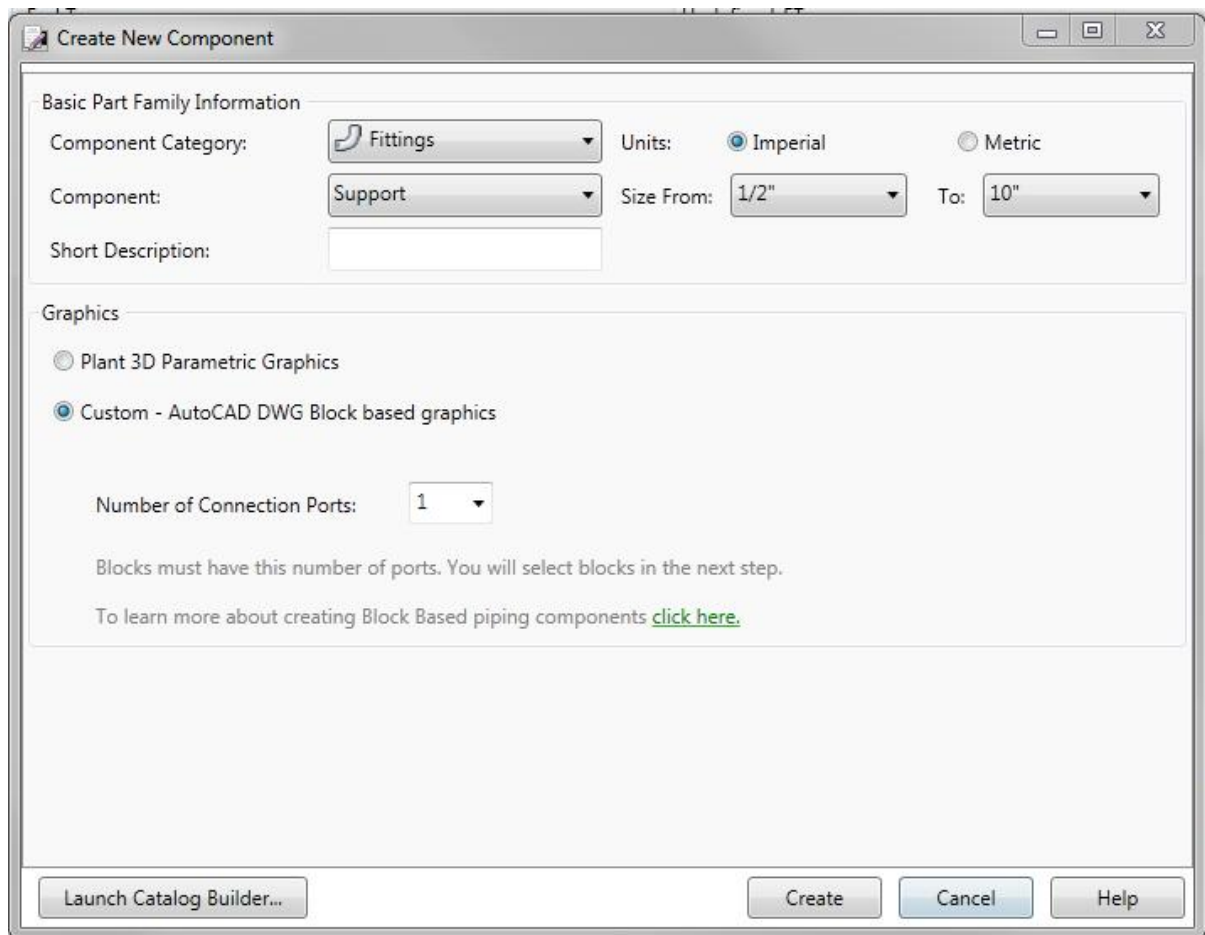
Open "Zeton support Catalog" copy of Plant3D Support Catalog



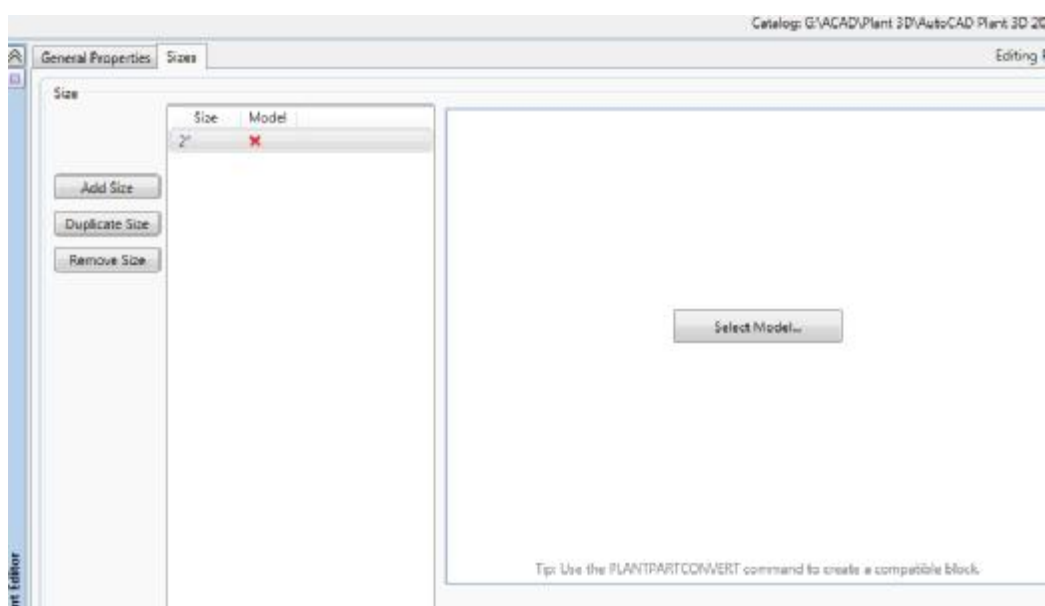
7 In the catalog Editor I select <Create new component>



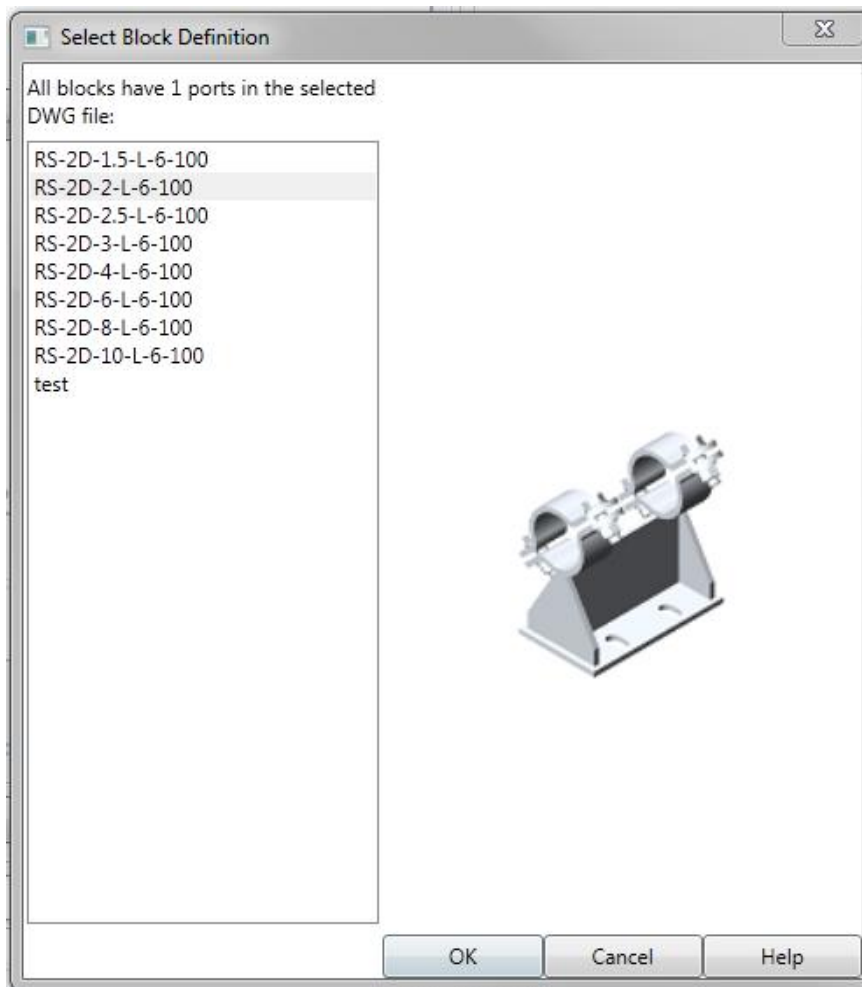
8 In the Create New Component window, I select:  
Custom-AutoCAD DWG..... and Number of Connection ports= 1  
And: Create



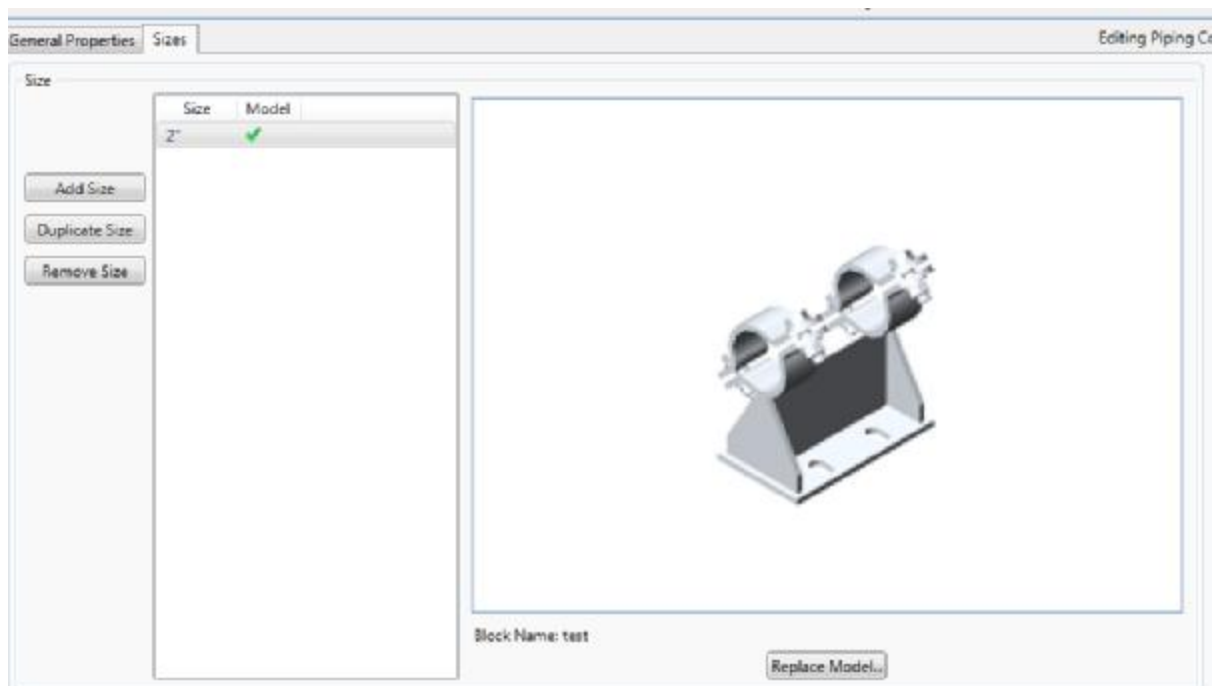
9 Select Model



10 Select block in drawing RS\_2D: <OK>



11 Model placed in Catalog:



# 12 Filling in all necessary General Properties:

General Properties
Sizes

Editing Piping Component General Properties

**Connection Port Properties**

All Ports have the same properties

**Port 1 (S)**

Inch

Undefined\_ET

**Connection Port Properties**

Current Port:

Nominal Unit:

End Type:

Flange Std:

Gasket Std:

Facing:

Pressure Class:

Schedule:

Piping Component Properties

Long Description (Family): RS-2D-L-6-H-100

Compatible Standard:

Manufacturer:

Material:

Material Code:

Short Description: RS-2D-L-6-H-100

Design Std:

Design Pressure Factor:

Weight Unit:

Connection Port Count: 1

Port Subtype: Support

Support Type:

Support Detail:

Finish: False

Is Symbol Type: SUPPORT

Is Symbol MEN: GUD

View large picture with dimensions

**Common Filters**

Result Filters: Part Category: - All - Component Type: - All - Main End Type: - All - Pressure Class: - All - Unit: - All -

Filter	Size Range	Part Category	Long Description (Family)	Material	Material Code	End Type	Facing	Pressure Class	Schedule	Design Std	Design Pressure Factor	Manufacturer
<input checked="" type="checkbox"/>	- All -	- All -	Long Description (Family)	- All -	- All -	- All -	- All -	- All -	- All -	- All -	- All -	- All -
<input type="checkbox"/>	1.00 - 2.00	Wedge support	Wedge support	- All -	- All -	Undefined_ET	Undefined_ET	- All -	- All -	- All -	- All -	- All -
<input type="checkbox"/>	RS-2D-L-6-H-100	RS-2D-L-6-H-100	RS-2D-L-6-H-100	- All -	- All -	Undefined_ET	Undefined_ET	- All -	- All -	- All -	- All -	- All -

And Size properties:

Catalog: G:\JCAD\Pipe 3D\AUG\CAD Pipe 3D 2013 Content\CPM Customization SUPPORTS Catalog.rvt

Editing Piping Component Size

General Properties | **Sizes**

Size

Size	Model
1 1/2"	✓
2"	✓
2 1/2"	✓
3"	✓
4"	✓
6"	✓
8"	✓
10"	✓

Block Name: 1452b15d-a2ab-489d-918f-607a025e70a

Connection Port Properties

All Ports have the same properties

Part 1 (Std)

Current Port	
Nominal Diameter:	2
Matching Pipe OD:	2.375
Wall Thickness:	
Engagement Length:	0
Flange Thickness:	

Piping Component Properties

Long Description (Std): RS-2D-2-L-6-H-100


Weight:

Min Length:

Max Length:

Length:

Currently displaying Imperial Units



### 13 Add pipe support to Support spec.:

The screenshot shows the 'Spec Editor' window with the following details:

- Title:** Spec Sheet: G:\ACAD\Plant 3D\Zeton Plant 3D 2013 Default\Zeton Default 2013 Mix
- Table Headers:** Min Size, To, Max Size, Long Description, Part Use Priority, Branch In Use
- Spec: test support**
- Description:** File Location: G:\ACAD\Plant 3D\Zeton Plant 3D 2013 Default\Zeton Default 2013 Mixed Metric\Spec Sheets\test support.psp; Last Saved: 1/31/2013 12:18:20 PM
- Table Content:**

Pipe					
1 1/2"	to	10"	PIPE, SEAMLESS, PE, ASME B36.19		
Support					
1 1/2"	to	10"	RS-2D-L-6- H=100		
- Buttons:** Edit Parts..., Add Notes to Group, Add to Spec, Re...
- Common Filters:** Part category: ~ All ~; Main end connection: ~ All ~; Size range: From: ~ All ~, To: ~ All ~; Reducing size range: From: ~ All ~, To: ~ All ~; Units: ~ All ~; Reset button.
- Table Content (Bottom):**

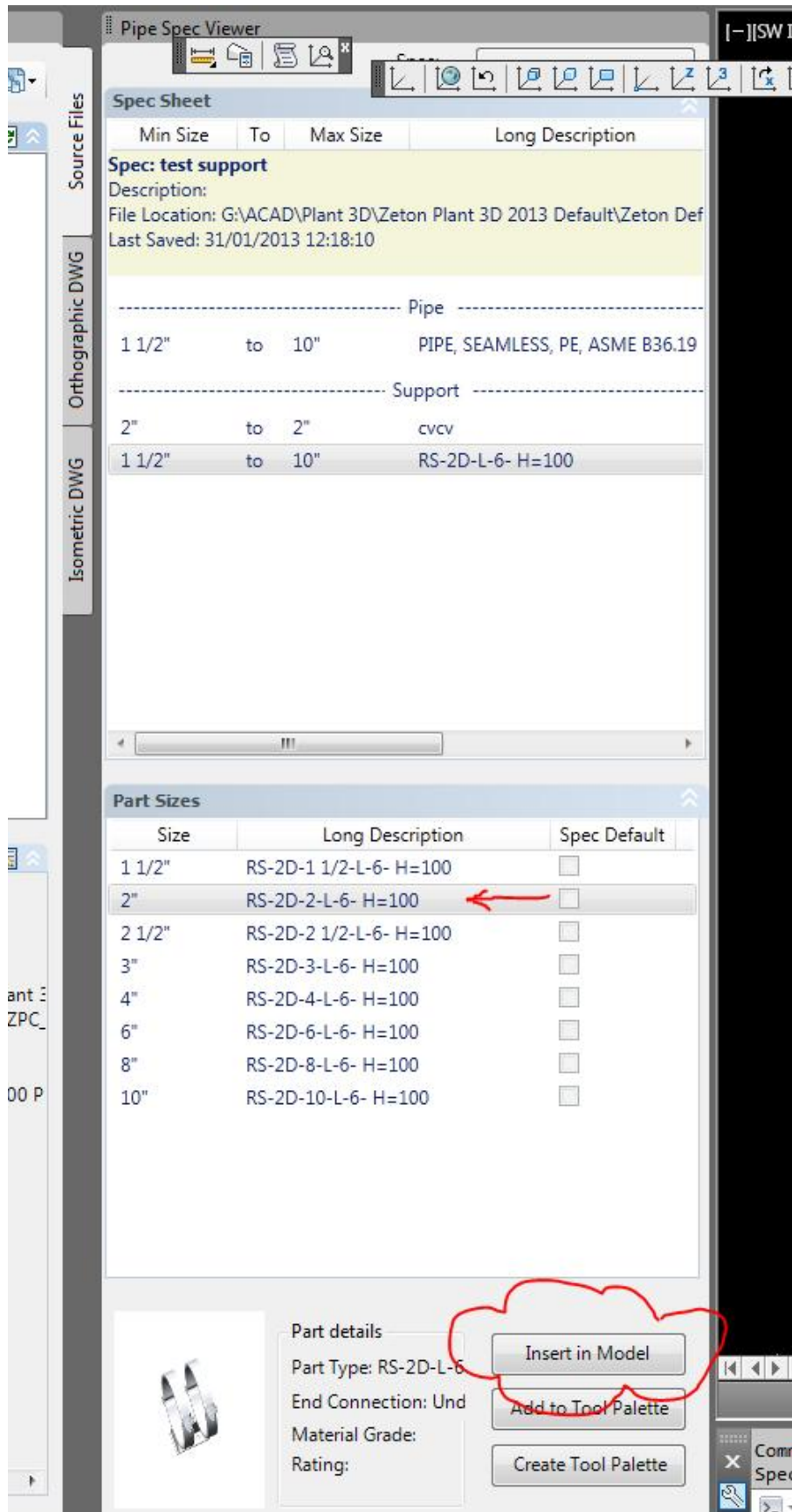
Filter	Size Range	Long Description (Family)	Short Description	Material	Material Code	End Type
	~ All ~	~ All ~	RS-2D-L-6 H=100	~ All ~	~ All ~	~ All ~
	1 1/2" - 10"	RS-2D-L-6- H=100	RS-2D-L-6 H=100			Undefined_ET

14 Save, Close and leave Spec Editor.

15 Open piping drawing in Plant3D2013



16 create a simple pipeline and insert the support in the model

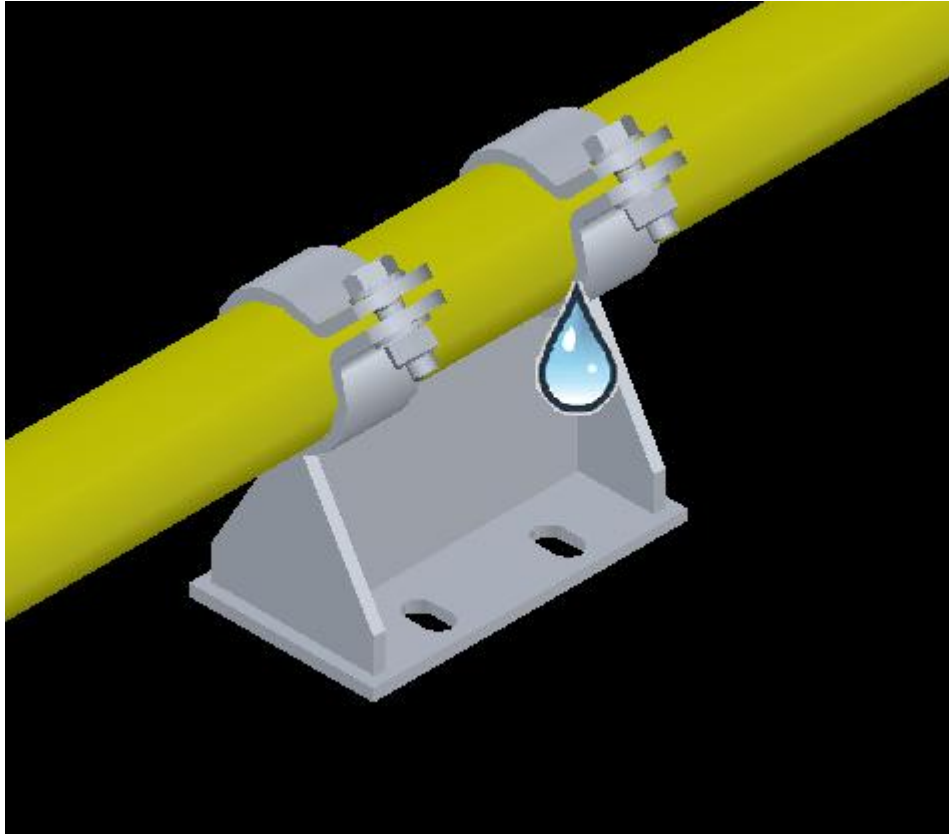


17

INTERNALPLANTINSERTPART specify insertion point or press Ctrl key to select: <select pipe>  
INTERNALPLANTINSERTPART specify rotation angle: WHY????

Direction should be pipe direction

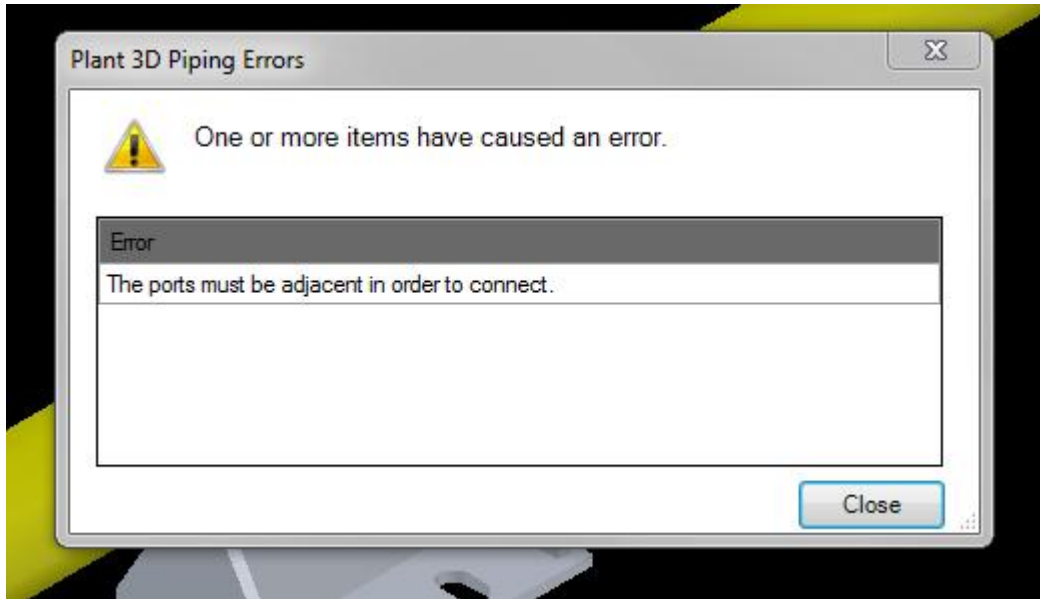
Problem: there is shown a Disconnect Marker



Support not connected to pipeline.

18 Command <Connect Component to Adjacent>

PLANTCONNECTJOINT Select Adjacent component: <Select support>  
<Select pipe>

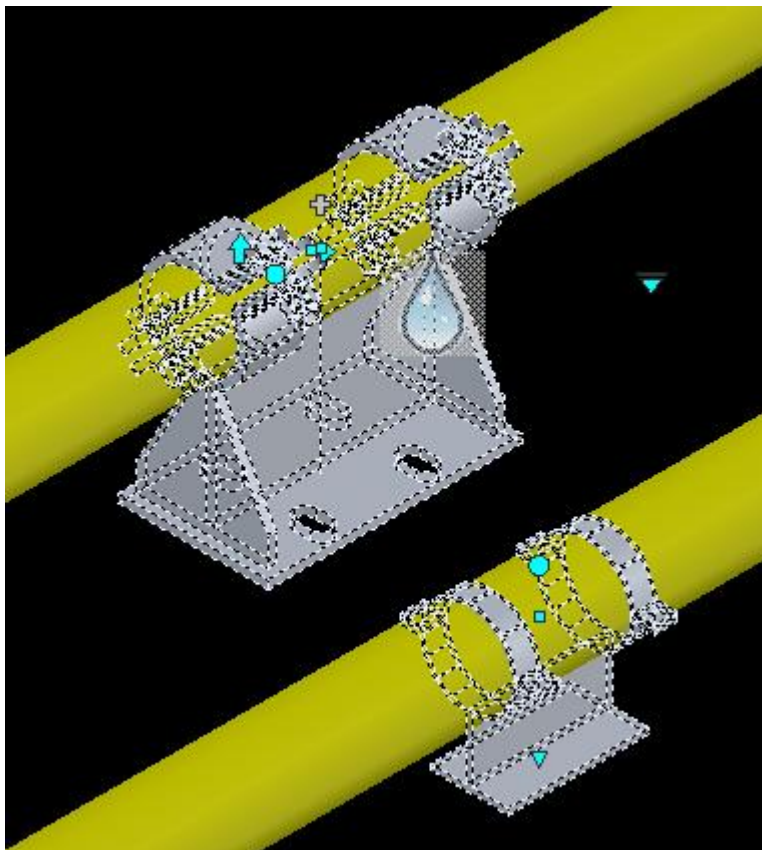


19 Placing support from Plant3D Toolpalette:

Select support

EXECUTETOOL Specify Insertion point: <select pipe>

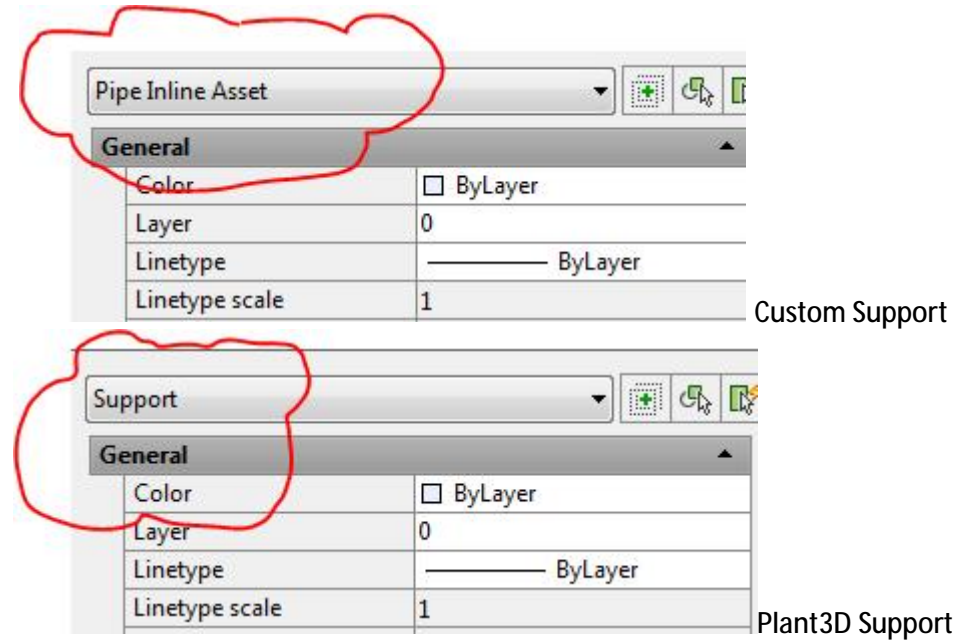
Immediately placing of support in right direction without showing a Disconnect Marker



20 Differences between Plant3D and Custom:

Select Zeton Support : propertie = Pipe Inline Asset

Select Plant3D Support : propertie = Support



Please advise how to create a proper Custom Support Spec. (Toolpalette) .