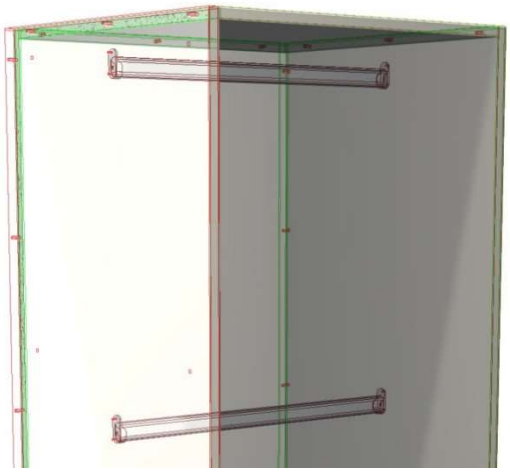
Oval Hanging Rods - User Guide.





Introduction

Overview

- The 'Oval Hanging Rods Package' from Solid Setup Plus adds 30x15mm Oval hanging rods to Cabinet Vision.
- It provides drilling for the brackets and pillars in the cabinet parts for CNC output.
- It also adds 3d models for the rods, pillars and brackets etc.
- Closet module not required.

Included in This Package

Materials: Name Description

- "Rod Oval 30x15" Rod Oval 30x15mm
- "Rod Oval End Bracket" Rod Oval End Bracket
- "Rod Oval Center Pillar" Rod Oval Center Pillar
- "Rod Oval End Pillar" Rod Oval End Pillar

Parts: Name Description

- "BRKT" Bracket

User Created Standards

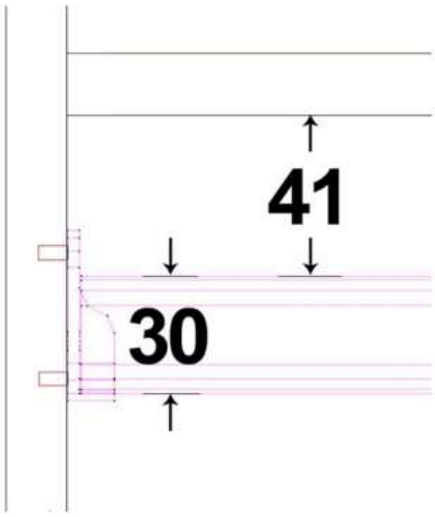
The Following UCS is provided:

- { RODS } -- Oval Adds Oval Hanging Rods and brackets.

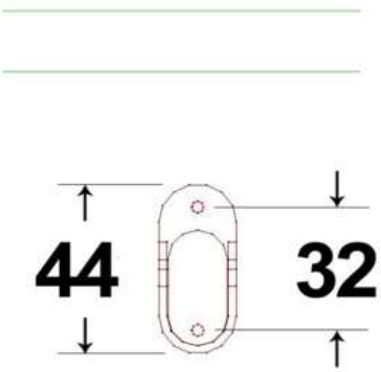
Library

- "Solid Setup Plus" Cabinet Vision Catalog of Library parts

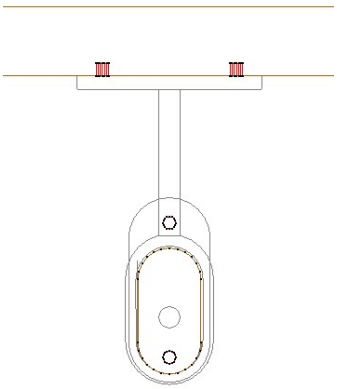
Oval Hanging Rod Diagrams



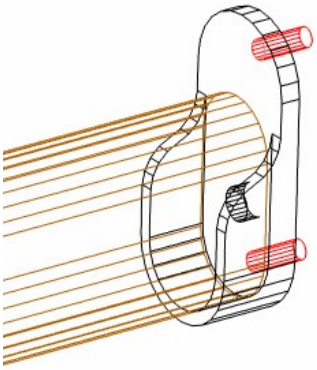
Front View



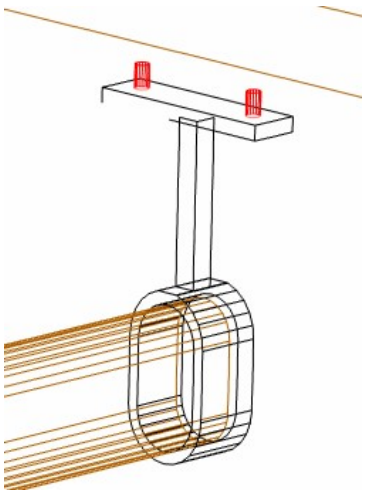
Bracket Side View



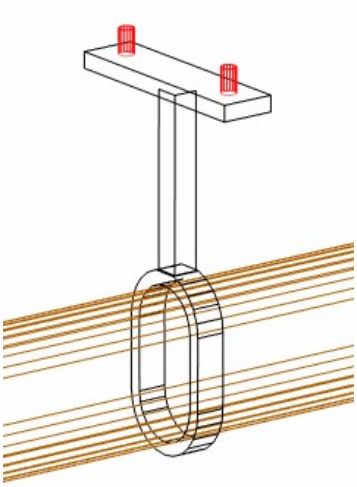
Pillar Side View



End Bracket



End Pillar



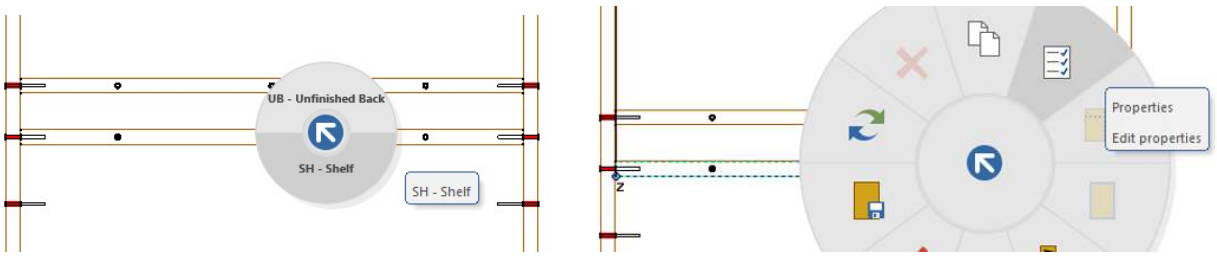
Center Pillar

Oval Hanging Rod Usage

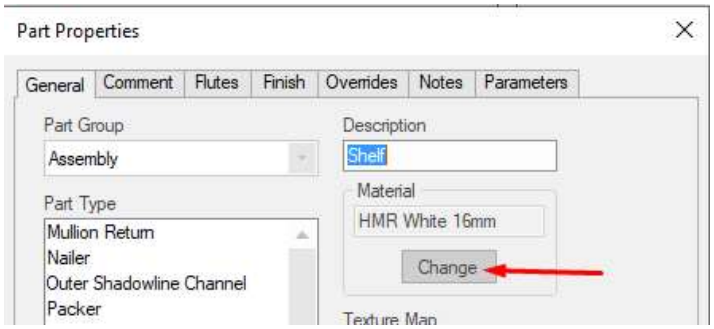
Activation.

The Oval hanging rods can be activated by changing the material of a Shelf or Fixed Shelf to “Rod Oval 30x15”

In the Face View of the Cabinet Editor, Right click on a Shelf or Fixed Shelf and select Properties:



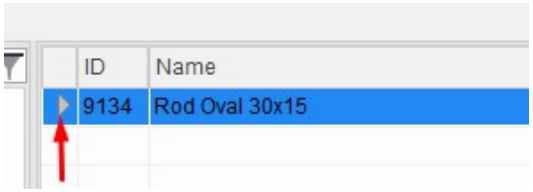
Press the Change button to change the material:



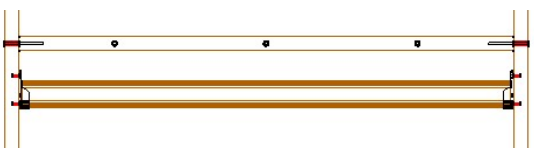
Search for ‘Oval 30’ or ‘Rod Oval



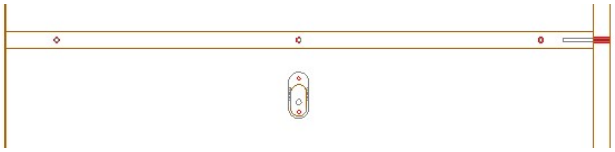
Click on the arrow next to the Rod Oval 30x15 material



Press OK. The Shelf will now change to an Oval Rod:



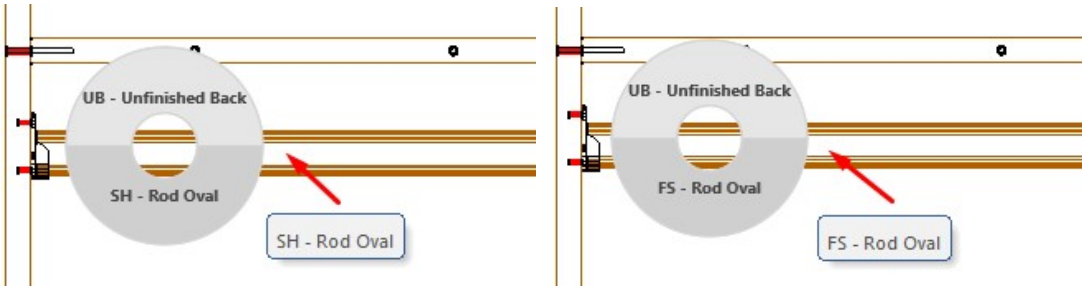
Front View



Side View

Part Attributes:

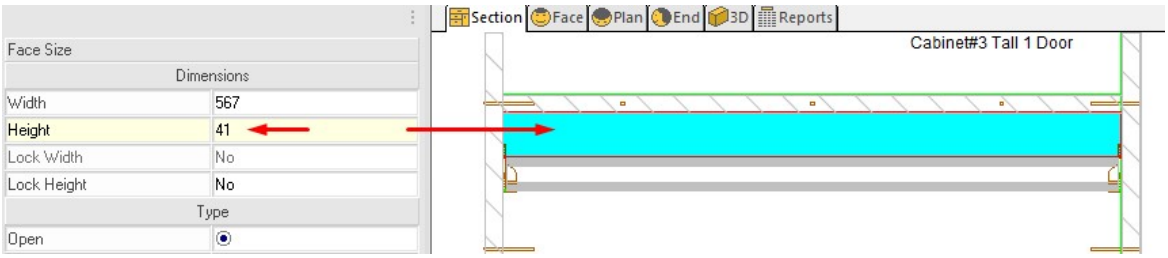
Select the Oval Rod in the Face View
The rod will appear in the selection as either 'SH – Rod Oval' or 'FS – Rod Oval' depending on which part you used:



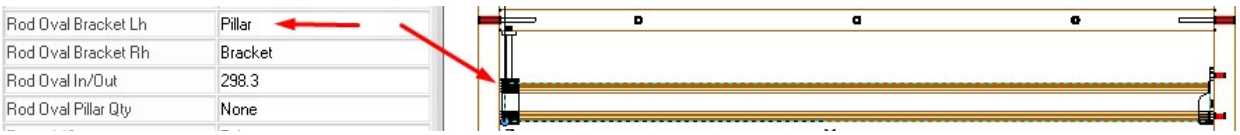
The following attributes are added to the Rod Oval:

- **Rod Oval Bracket Lh** Sets the Left end to a Bracket or End Pillar
- **Rod Oval Bracket Rh** Sets the Right end to a Bracket or End Pillar
- **Rod Oval In/Out** Controls the In/Out position (default is center)
- **Rod Oval Pillar Qty** Allows the center pillar qty to be changed if required.
- **Rod Oval Pillar holes** Allows the center pillar holes to be turned off.
- **Rod Oval Pillar 1** Allows the center pillar 1 position to be changed.
- **Rod Oval Pillar 2** Allows the center pillar 2 position to be changed.

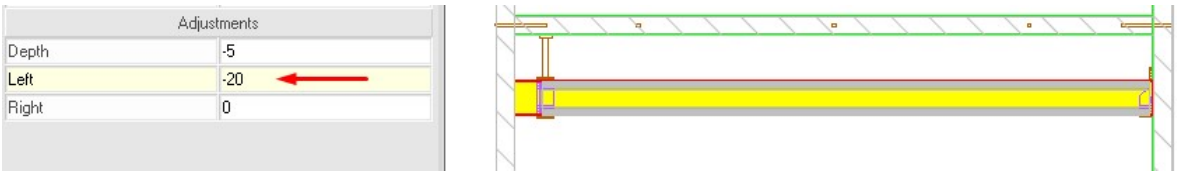
To use Center Pillars or End Pillars ensure the gap above the rod is 41mm:



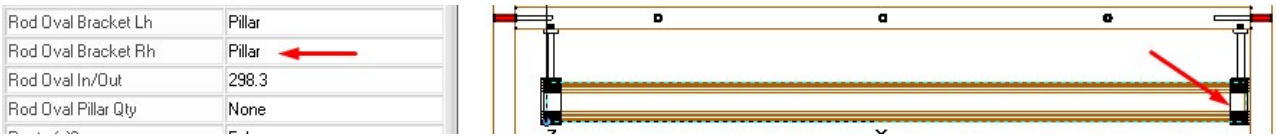
Change the 'Rod Oval Bracket Lh' to an End Pillar (Must be in Face View):



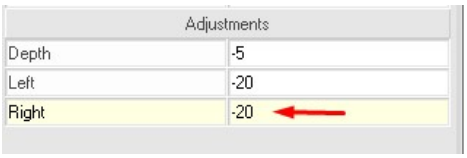
To move the Left Pillar use the Left Adjustment (Must be in the Section View):

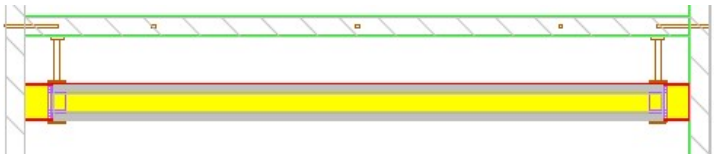


Change the 'Rod Oval Bracket Rh' to an End Pillar (Must be in Face View):



To move the Right Pillar use the Right Adjustment (Must be in the Section View):





To change the Center Pillar quantity use the 'Rod Oval Pillar Qty' attribute (Must be in Face View):

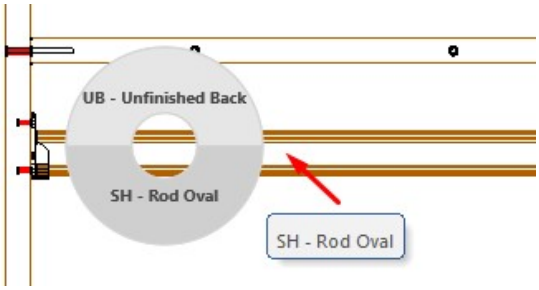
Note: Center pillar quantity is automatic until attribute is changed.
The UCS Public variables (Below) determines when a rod is long enough for 1 or 2 pillars.
To reset to the attribute to automatic, select 'Auto' from the list.

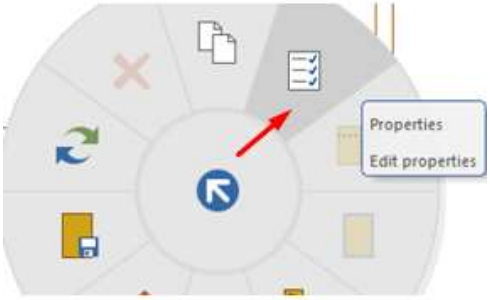
Change Rod Back to Shelf

Remove Material Override

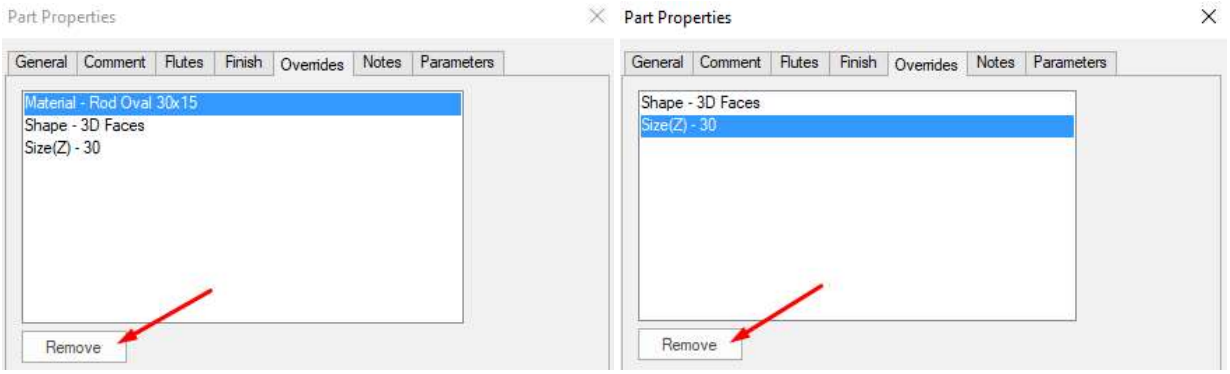
To change the Rod back to its original shelf one way is to remove the material override

Right Click on the Rod and select Properties:





Click on the Overrides Tab and remove the material and the size(Z) overrides:



Now Press OK and the shelf will return.

Change Shelf in Section View

Another way to change the rod back to a shelf is to first change it to a different shelf in the section view and then back to the Shelf or Fixed Shelf you started with. Alternatively you could delete it and then add it again.

Drilling Setup

UCS Public Variables

There are 4 Public Variables for the **"{ RODS } -- Oval "** UCS.

- To change these variables go to the Utilities – Edit User Created Standards from the Room Plan or Elevation views



Then click on the **"{ RODS } -- Oval "** UCS.

On the top left-hand side of the screen you will see the Public Variables list for the UCS.

Public Variables	
Rod End Bracket Gap	3.5mm
Rod End Pillar Gap	4mm
Pillar 1 Length	1500mm
Pillar 2 Length	2200mm

Public variables:

Rod End Bracket Gap = Gap between side of end bracket and end of rod. (The cutting size for the rod will be less than the opening by double this value).
Rod End Pillar Gap = Gap between side of end pillar and end of rod. (The cutting size for the rod will be less than the opening by double this value).

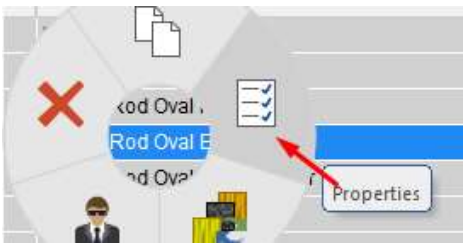
Pillar 1 Length = Length Rod needs to be for one pillar to appear automatically.
Pillar 2 Length = Length Rod needs to be for two pillars to appear automatically.

Once you have changed these values to your requirements, you can close the UCS editor.

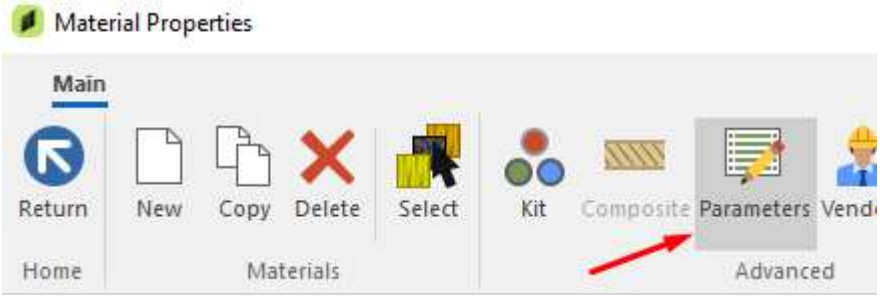
Material Parameters

The drilling sizes for the brackets and pillars are provided as material parameters.

To edit the sizes, in the Material Manager, right click on the material and select properties:



Click the parameters button:



Change the following values to your requirements:

For the 'Rod Oval End Bracket':

Parameters - Rod Oval End Bracket

Name	Description	Type	Value
VBORE_DX	Drill Diameter	Measurement	3mm
VBORE_DZ	Drill Depth	Measurement	8mm
VBORE_SPCNG	Drill Spacing	Measurement	32mm
VBORE_Y	Drill Position from bottom	Measurement	6mm

For the 'Rod Oval Center Pillar' and 'Rod Oval End Pillar':

Parameters - Rod Oval End Pillar

Name	Description	Type	Value
VBORE_DX	Drill Diameter	Measurement	3mm
VBORE_DZ	Drill Depth	Measurement	5mm
VBORE_SPCNG	Drill Spacing	Measurement	32mm

Tools Required

- The drill diameter you choose in materials above is required for this package to work. You must have a drill bit matching this diameter in your tool catalog and in your machine.