




SW - INSERTING A SECTION VIEW

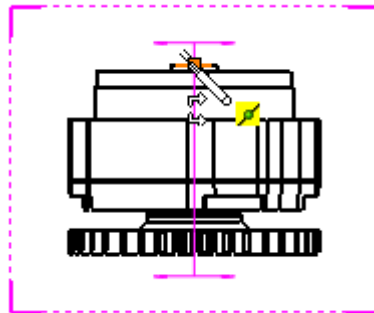
VERTICAL

To insert a vertical section view:

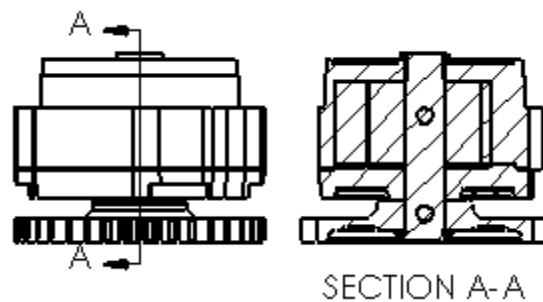
1. In a drawing view, click Section View  (Drawing toolbar) or Insert > Drawing View > Section.
2. In the Section View PropertyManager, click Section.
3. In Cutting Line, select Auto-start section view.

4. Click Vertical  and move the cutting line to the location and click.
5. Drag the preview to a location and click to place the section view.

- Locate a vertical cutting line  .





- Final section view




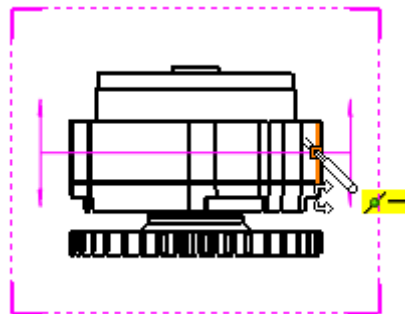
HORIZONTAL

To insert a horizontal section view:

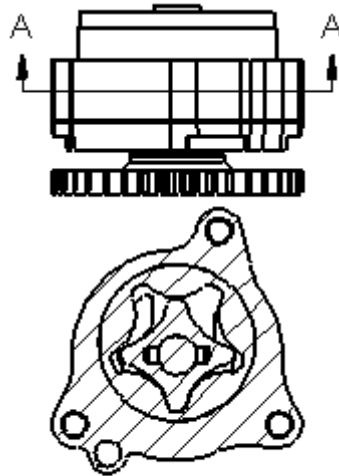
1. In a drawing view, click Section View  (Drawing toolbar) or Insert > Drawing View > Section.
2. In the Section View PropertyManager, click Section.
3. In Cutting Line, select Auto-start section view.

4. Click Horizontal  and move the cutting line to the location and click.
5. Drag the preview to a location and click to place the section view.

Locate a horizontal cutting line  .




Final section view





SECTION A-A

AUXILIARY


To insert an auxiliary section view:

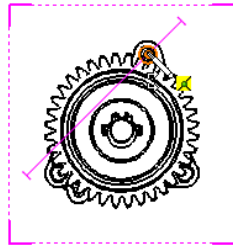
1. In a drawing view, click Section View  (Drawing toolbar) or Insert > Drawing View > Section.
2. In the Section View PropertyManager, click Section.
3. In Cutting Line, select Auto-start section view.

4. Click Auxiliary , and move the cutting line and pointer to the location and click.

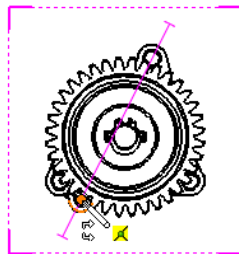
5. Move the pointer  to the location to set the angle of the cutting line.

6. Drag the preview to a location and click to place the section view.

Locate an auxiliary cutting line  .

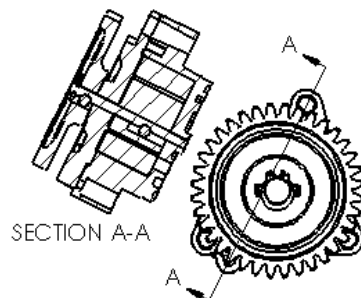


First point of cutting line






Second point of cutting line to set line angle


Final section view

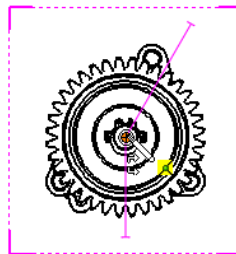


ALIGNED

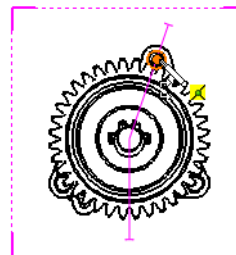
To insert an aligned section view:

1. In a drawing view, click Section View  (Drawing toolbar) or Insert > Drawing View > Section.
2. In the Section View PropertyManager, click Section.
3. In Cutting Line, select Auto-start section view.
4. Click Aligned  and move the vertex of the cutting line to the location and click.
5. Move the pointer  to the location to set the angle of the first segment of the cutting line.
6. Move the pointer to the location to set the angle of the second cutting line and click.
7. Drag the preview to a location and click to place the section view.

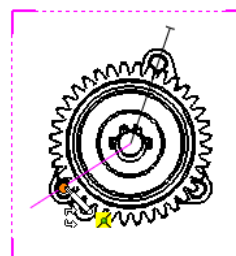
Locate an aligned cutting line 



First point on cutting line

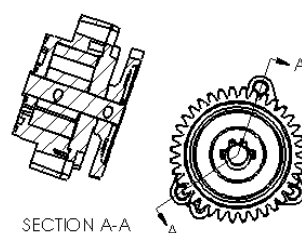


Second point cutting line



Third point cutting line


Final section view



SECTION VIEW PROPERTYMANAGER

Use the section view sketch mode in conjunction with the section tool user interface to create both section views and aligned section views.

To insert a section or half section view:

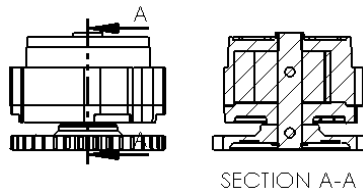
In a drawing, click Section View  (Drawing toolbar) or Insert > Drawing View > Section.

SECTION

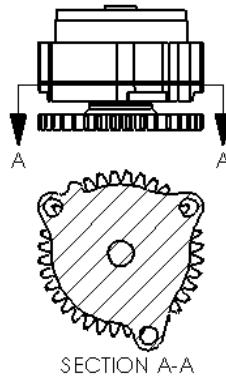
CUTTING LINE



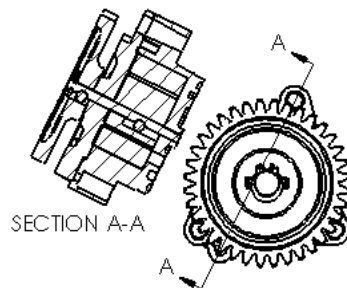
Vertical



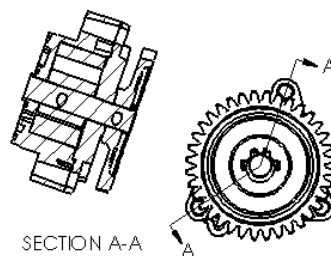
Horizontal




Auxiliary









Aligned



Select to immediately preview and place the section view in the drawing. Clear to display the Section View pop-up

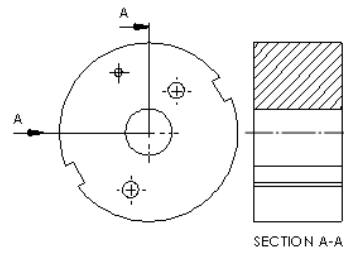
Auto-start section view up  , which lets you add offsets to the section view.

Use the Section View pop-up to add offsets to the section view.

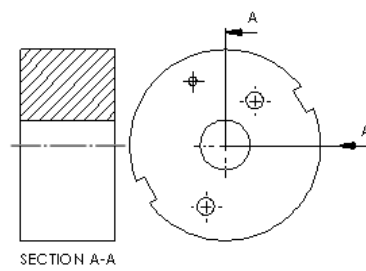
Selection	Function	Additional Steps
	Add Arc Offset	Select first point of arc on cutting line, then select second point of arc.
	Add Single Offset	Select first point of offset on cutting line, then select second point of offset.
	Add Notch Offset	Select first point of notch on cutting line, select second point on cutting line for width of notch, then select third point for depth of notch.
	Step Back	
	OK (Add the view)	
	Cancel (Cancel the view)	

HALF SECTION

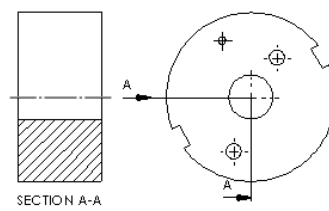
↻ Topside Right



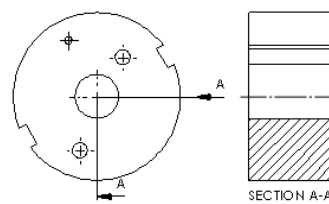
↻ Topside Left



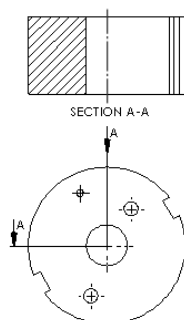
↻ Bottomside Right



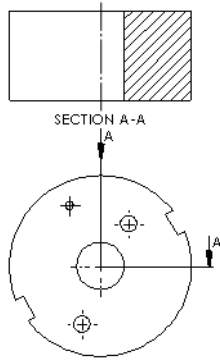
↻ Bottomside Left



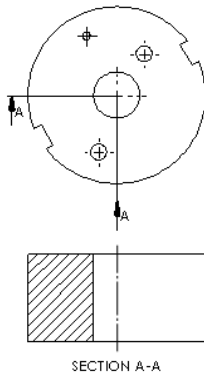
↻ Leftside Down



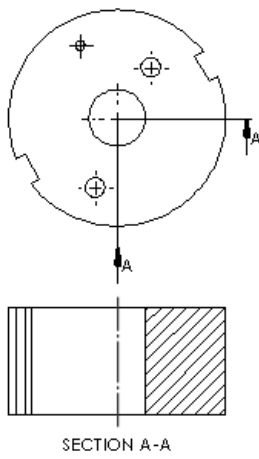
↻ ⚙️ Rightside Down



↻ ⚙️ Leftside Up

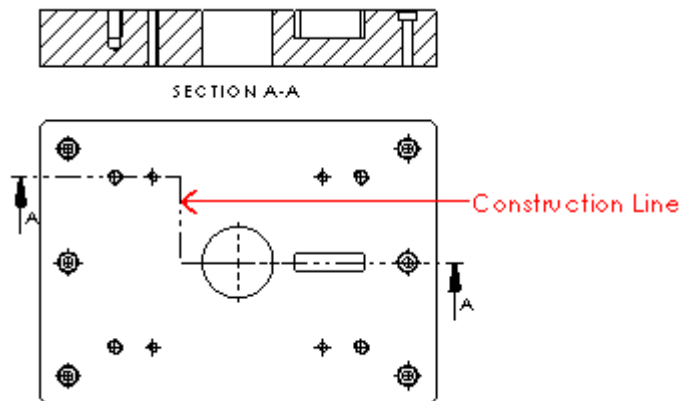


↻ ⚙️ Rightside Up

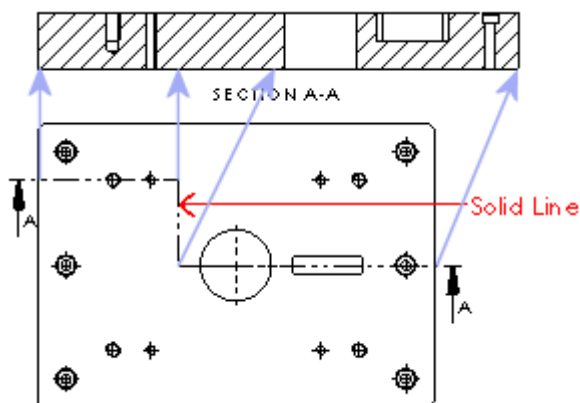


CREATING A SECTION VIEW MANUALLY


Construction lines are ignored and the segment does not appear in the section view.



Solid line segments appear in the section view.



TO CREATE A SECTION VIEW MANUALLY:

Click Section View  (Drawing toolbar), or Insert > Drawing View > Section.

You can also select a sketched line and then click the Section View  tool.

If you select a sketched line, the Section View PropertyManager (with the current section label) appears and you can immediately set the options for the section view.

The Section View PropertyManager appears.

To create a section view manually, click Edit sketch to display the Insert Line PropertyManager.

Sketch a section line.

Use inferencing or add relations while sketching to relate the section line to features in the model.

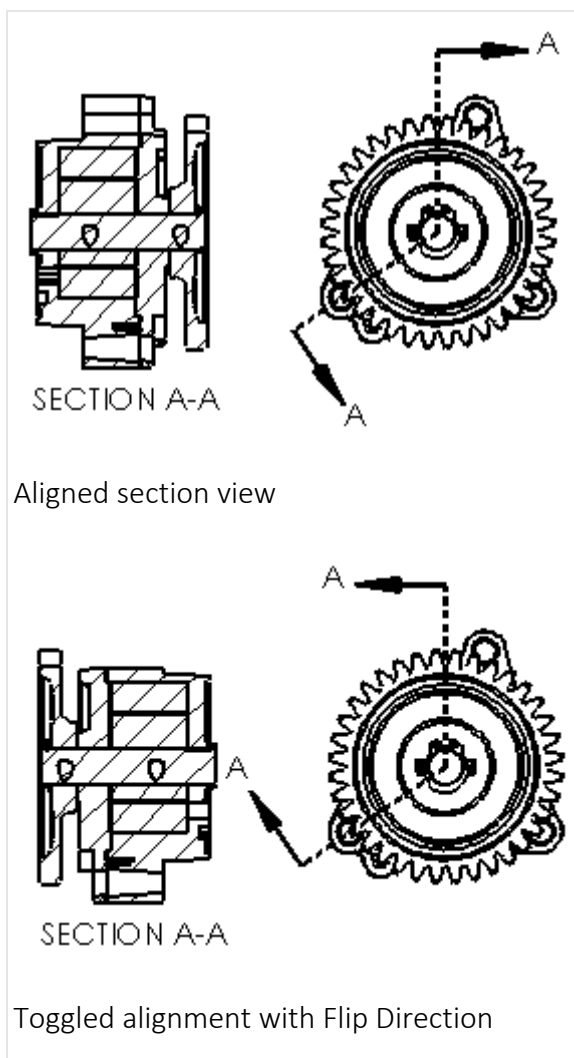
To create a multiline section view, or to use a centreline as an offset jog on a cutting line, sketch the section line before clicking the Section View tool.

If the section line does not completely cut through the bounding box of the model in the view, you will create a partial section view.

If you are creating a section view of an assembly, or if the model contains a rib feature, set options in the Section View dialog box.

As you move the pointer, a preview of the view is displayed if you selected Show contents while dragging drawing view in System Options > Drawings. You can also control the alignment and orientation of the view.

If the cutting line has multiple segments, the view is aligned orthogonally, if possible. To toggle alignment, in the Section View PropertyManager under Section Line, click Flip Direction.



Click to place the view. You can edit the view labels or modify the section view if necessary.