SOLID EDGE
VELOCITY SERIES

Tutorial: ***Upper Pole***

Project: ***Bird Feeder (Synchronous)***

cad / cam / pdm / cae | CAAP®

Solution Partner PLM | SIEMENS

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	DIMENSION UNITS : MM	CLASS (DEPARTMENT) : -	
	DATUM : 12-11-2011	CHECKED BY : -	

MATERIAL : Wood, Oak	TITEL :	NUMBER :	REV:	SIZE:
PROJECT: Bird Feeder	Upper Pole	1010	A	A4

1 +	1. Start **Solid Edge.** 2. Click on **<u>ISO Part.</u>** 	
2	1. Click the **Line** button. 2. Draw the profile, as shown.	
3	1. Click the **Connect** button. 2. Point the cursor at the middle point of the right vertical line and wait until the icon appears before clicking. 3. Point at the **Origin** and wait until the icon appears before clicking.	

4	1. Click the **Smart Dimension** button. 2. Click on the right vertical line. 3. Click to place the dimension. 4. Key in the value **270** and confirm with **Enter**.	
5	If the **Smart Dimension** is still active. 1. Click on the horizontal line, as shown. 2. Click to place the dimension. 3. Key in the value **15** and confirm with **Enter**.	
6	1. Click on the left vertical line. 2. Click to place the dimension. 3. Key in the value **250** and confirm with **Enter**.	

7	1. Click the **Arc by 3 Points** button. 2. Point the cursor at the endpoint of the right vertical line and wait until the icon appears before clicking. 3. Point the cursor at the endpoint of the left vertical line and wait until the icon appears before clicking. 4. Click to place the Arc, as shown.	
8	1. Click the **Perpendicular** button. 2. Click on the right vertical line. 3. Click on the Arc.	
9	1. Click the **Select** button. 2. When you hover over the Region, it will turn red. Click on the Region, as shown.	

10	3. Click on the blue dot of the Steering Wheel. Click on the vertical line. To place the Steering Wheel. 4. Click on the **Cirkel** of the Steering Wheel, as shown.	
11	5. Click on the option **360**.	
12	Now we set the material property. 1. Click the **Application Button**. 2. Click on **Properties**. 3. Click the **Material Table** button.	

13	1. Choose the material **Wood, Oak**. 2. Click **Apply to Model** to set the material to the part. ***Hint:*** *There are several properties which are connected to a material, like color and density. The density is necessary to determine the weight.*	
14	The part is ready. Now it must be saved. 1. First press **Ctrl + i** to turn the image to isometric view. 2. Click on the floppy icon. 3. Go to the **Summary** tab**.** 4. Fill in *Upper Pole* at Title. 5. Go to the **Project** tab and fill in the following properties: Document Number*: 1010*. Revision Number*: A*. Project Name: *Bird Feeder*. 6. Click **OK** to close the screen. ***Hint:*** *All properties of the part are saved at the **File Properties**. These properties will used to fill in a part list.*	

15	1. Browse to the folder named *Bird Feeder*. 2. Save the document by name *Bird Feeder-1010-Upper Pole-A.par*. 3. Click the **Save** button. 4. Close the file. ***Hint:*** *Save all files of one project in the same folder.*	