SOLID EDGE
VELOCITY SERIES

Tutorial: ***Pole***

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

cad / cam / pdm / cae | CAAP®

Solution Partner PLM | SIEMENS

AMERICAN PROJECTION	SCALE : 1:1	AUTHOR : Ruben	Hamersveldseweg 65 3833 GL Leusden +31(0)33-4573322 www.caap.nl
	DIMENSION UNITS : MM	CLASS (DEPARTMENT) : -	
	DATE : 12-11-2011	CHECKED BY : -	

MATERIAL : Wood, Oak	TITEL :	NUMBER :	REV:	SIZE:
PROJECT: Bird Feeder	Pole	1009	A	A4

1	1. Start **Solid Edge.** 2. Click on **<u>ISO Part.</u>** 	
3	1. Click the **Circle by Center Point** button. 2. Point at the **Origin** and wait until the icon appears before clicking.	
4	3. Click to place the **Circle by Center Point**.	

5	1. Click the **Select** button. 2. When you hover over the Region, it will turn red. Click on the Region, as shown.	
6	3. When you hover over the arrow, it will turn red. Click on the arrow, as shown. 4. Click the **Extrude – Symmetric** button.	
7	1. Type **200** and confirm with **Enter**.	

8	1. Click the **Smart Dimension** button. 2. Click on the edge of the cylinder. 3. Click to place the dimension. 4. Key the value **16** and confirm with **Enter**.	
9 +	1. Click the **Hole** button. 2. Click on the **Hole Options**.	
10	Fill in the Hole Options, as shown. 1. Type: **Simple**; 2. Diameter: **10**; 3. Extents: **Finite**; 4. Hole depth: **10**; 3. Click the **OK** button.	

11	1. Select the KeyPoint option: **MidPoint**. 2. Point the cursor at the edge of the cilinder and wait until the icon appears before clicking.	
12	1. Click the **Chamfer Equal Setbacks** button. 2. Click on the edge, as shown. 3. Key in a value for the chamfer (in this case **1**) and confirm with **Enter**.	
13 +	1. Click the **Select** button. 2. Click on the Hole and the Chamfer in the PathFinder. 3. Click the **Mirror** button. 4. Click on the plane of the Base, as shown.	

14	Now we set the material property. 1. Click the **Application Button**. 2. Click on **Properties**. 3. Click the **Material Table** button.	
15	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.*	

18	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 *Pole* at Title. 5. Go to the **Project** tab and fill in the following properties: Document Number*: 1009*. 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.*	
19	1. Browse to the folder named *Bird Feeder*. 2. Save the document by name *Bird Feeder-1009-Pole-A.par*. 3. Click the **Save** button. 4. Close the file. ***Hint:*** *Save all files of one project in the same folder.*	