SOLID EDGE
VELOCITY SERIES

Tutorial: ***Assembly***

Project: ***Rocket (Synchronous)***

cad / cam / pdm / cae | CAAP®

Solution Partner PLM | SIEMENS

ITEM	NUMBER	TITEL	MATERIAL	DOCUMENT NR.	REV.	FILE NAME
5	1	Front Piece	ABS Plastic, high impact	1004	A	Rocket-1004-Front Piece-A.par
4	1	Body	ABS Plastic, high impact	1001	A	Rocket-1001-Body-A.par
3	1	Head	ABS Plastic, high impact	1002	A	Rocket-1002-Head-A.par
2	1	Tail	ABS Plastic, high impact	1003	A	Rocket-1003-Tail-A.par
1	1	Base	Steel	2001	A	Rocket-2001-Base-A.psm

AMERICAN PROJECTION

SCALE : 1:2

DIMENSION UNITS : MM

DATE : 29-10-2011

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MATERIAL :

PROJECT: Rocket

TITEL : Assembly

NUMBER : 3001

REV: A

SIZE: A4

1	1. Start **Solid Edge.** 2. Click on **<u>ISO Assembly.</u>** 	
2	1. Click on the **Parts Library**. 2. Browse to the folder **Rocket**.	
3	1. Drag the **Rocket-2001-Base-A.psm** file in the Assembly.	

4	1. Drag the **Rocket-1003-Tail-A.par** file in the Assembly.	
5	The part can be assembled. 1. When you hover over the cylinder, it will turn red. Click on the cylinder of the tail, as shown. ***Hint:*** *Selected the wrong plane? Click the RMB to deselect.*	
6	1. Click on the cilinder of the base, as shown.	

7	2. Click the **Lock Rotation** button. 3. Click the **Flip** button. 	
8	4. Click on the plane of the tail, as shown. ***Hint:*** *Point the cursor at the plane. Wait until the* *icon appears and click the RMB. Select the plane in the QuickPick.*	
9	5. Click on the bottom plane of the base.	

10	1. Drag the **Rocket-1001-Body-A.par** file in the Assembly.	
11	1. Click on the plane of the Body, as shown.	
12	2. Click on the plane of the tail, as shown.	

13	3. Click on the inner cylinder of the Body. ***Hint:*** *Point the cursor at the plane. Wait until the icon appears and click the RMB. Select the plane in the QuickPick.*	
14	4. Click on the Thread of the tail. 5. Click the **Lock Rotation** button.	
15	1. Drag the **Rocket-1002-Head-A.par** file in the Assembly.	

16	2. Click on the plane of the head. 3. Click on the plane of the body. 4. Click on the **Flip** button. 	
17	5. Click on the inner cylinder of the head.	
18	6. Click on the outer cylinder of the body. 7. Click the **Lock Rotation** button.	

19	1. Drag the **Rocket-1004-Front Piece-A.par** file in the Assembly.	
20	1. Click on the plane, as shown. 2. Click on the upper plane of the head. 3. Click on the **Flip** button. 	
21 +	4. Click on the outer cylinder of the Front Piece. 5. Click on the inner cylinder of the head. 6. Click the **Lock Rotation** button. 7. Click the **Select** button.	

22	Now we set the File properties. 1. Click the **Application Button**. 2. Click on **Properties**. 3. Click the **File Properties**.	
23	1. Go to the **Summary** tab. 2. Type *Assembly* at Title. 3. Go to the **Project** tab and fill in the following properties: Document Number*: 3001*. Revision Number*: A*. Project Name: *Rocket*. 4. Click **OK** to close the screen. ***Hint:*** *All properties of the part are saved at the **File Properties**. These properties will be used by making a drawing or part list.*	
24	Save the file. 1. Browse to the folder *Rocket*. 2. Save the document by name *Rocket-3001-Assembly-A.asm*. 3. Click the **Save** button. 4. Close the file. ***Hint:*** *Save all files of one project in the same folder.*	