

New SolidWorks Document



Part

a 3D representation of a single design component



Assembly

a 3D arrangement of parts and/or other assemblies



Drawing

a 2D engineering drawing, typically of a part or assembly

Advanced

OK

Cancel

Help

Select the document type and the tutorial option if you are currently following the tutorial.

Lists of Slides

09 - sw10 - Nut

Adobe Photoshop

10sw10 - Assembling...

SolidWorks Premium...

EN

4:37 PM



Design  
StudyInterference  
DetectionClearance  
VerificationHole  
Alignment

Measure

Mass  
PropertiesSection  
Properties

Sensor

Assembly  
Visualization

AssemblyXpert

Curvature

Compare  
DocumentsCheck  
Active ...SimulationXpress  
Analysis WizardFloXpress  
Analysis  
WizardDriveWorksXpress  
Wizard

Sustainability

Assembly

Layout

Sketch

Evaluate

## Begin Assembly



## Message

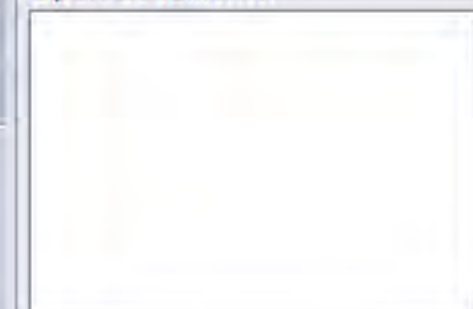
Select a component to insert, then place it in the graphics area or hit OK to locate it at the origin.

Or design top-down using a Layout with blocks. Parts may then be created from the blocks.

Create Layout

## Part/Assembly to Insert

Open documents:



Browse...

## Options

- ☒ Start command when creating new assembly
- ☒ Graphics preview
- ☐ Make Virtual



\*Trimetric

Model

Motion Study 1

Assembly Toolbar



Lists of Slides

10 - sw10 - Assembli...



Adobe Photoshop

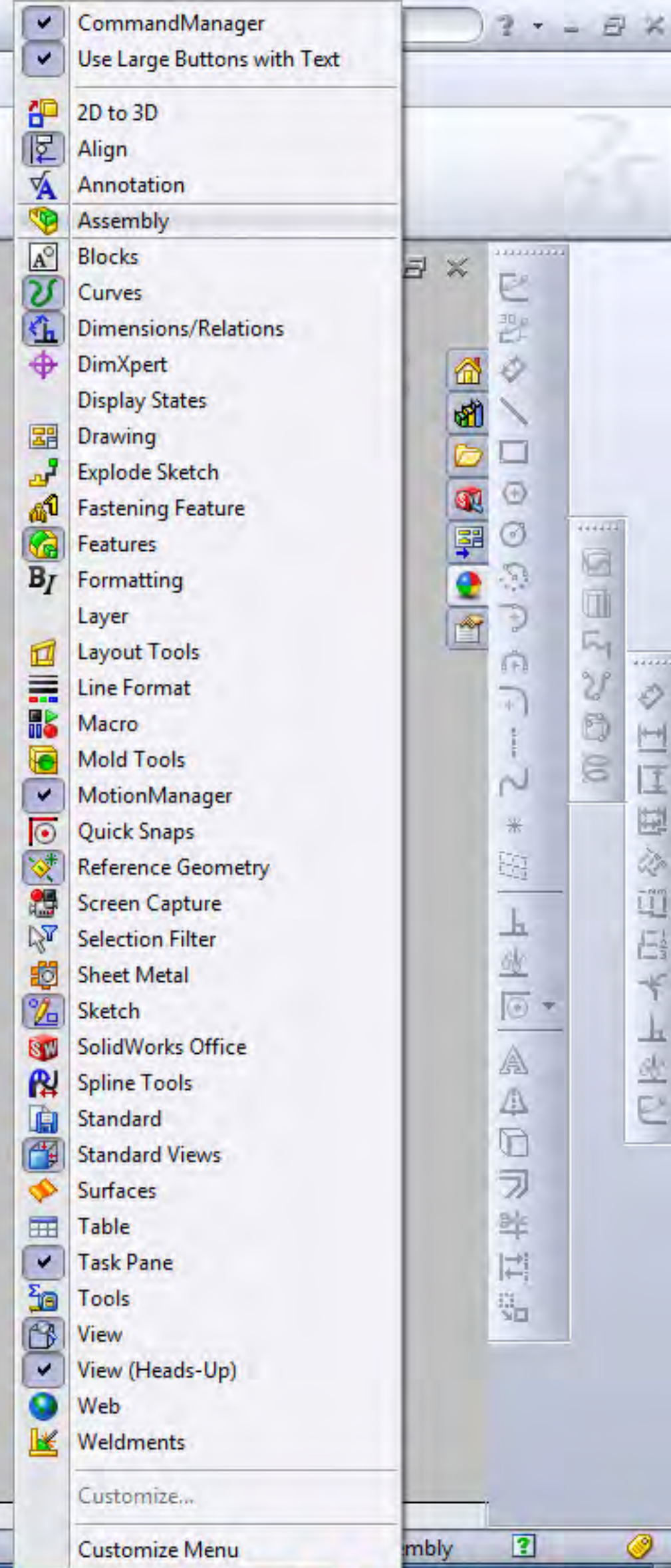
10sw10 - Assembling...

SolidWorks Premium...

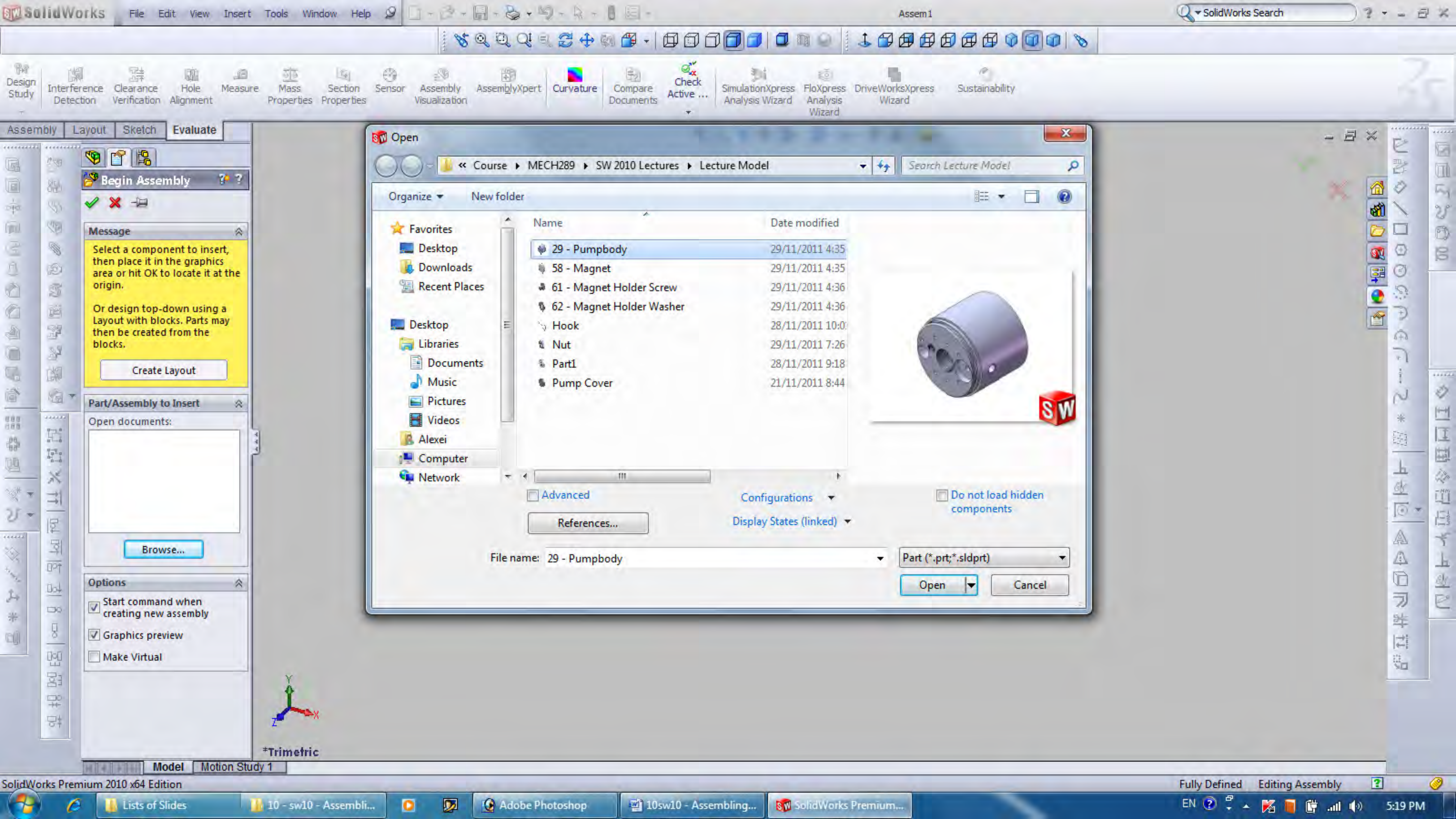
EN ?



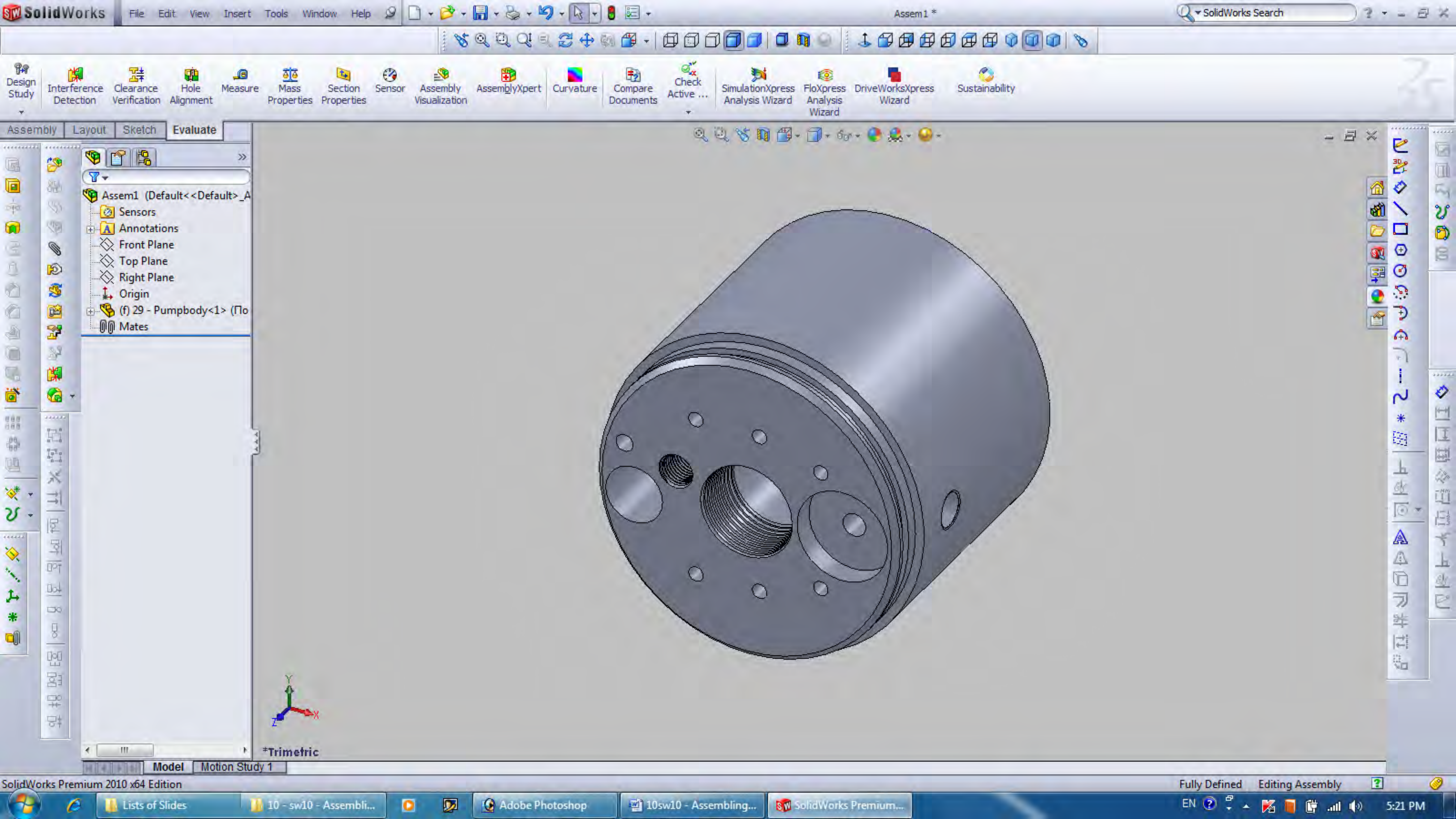
4:39 PM



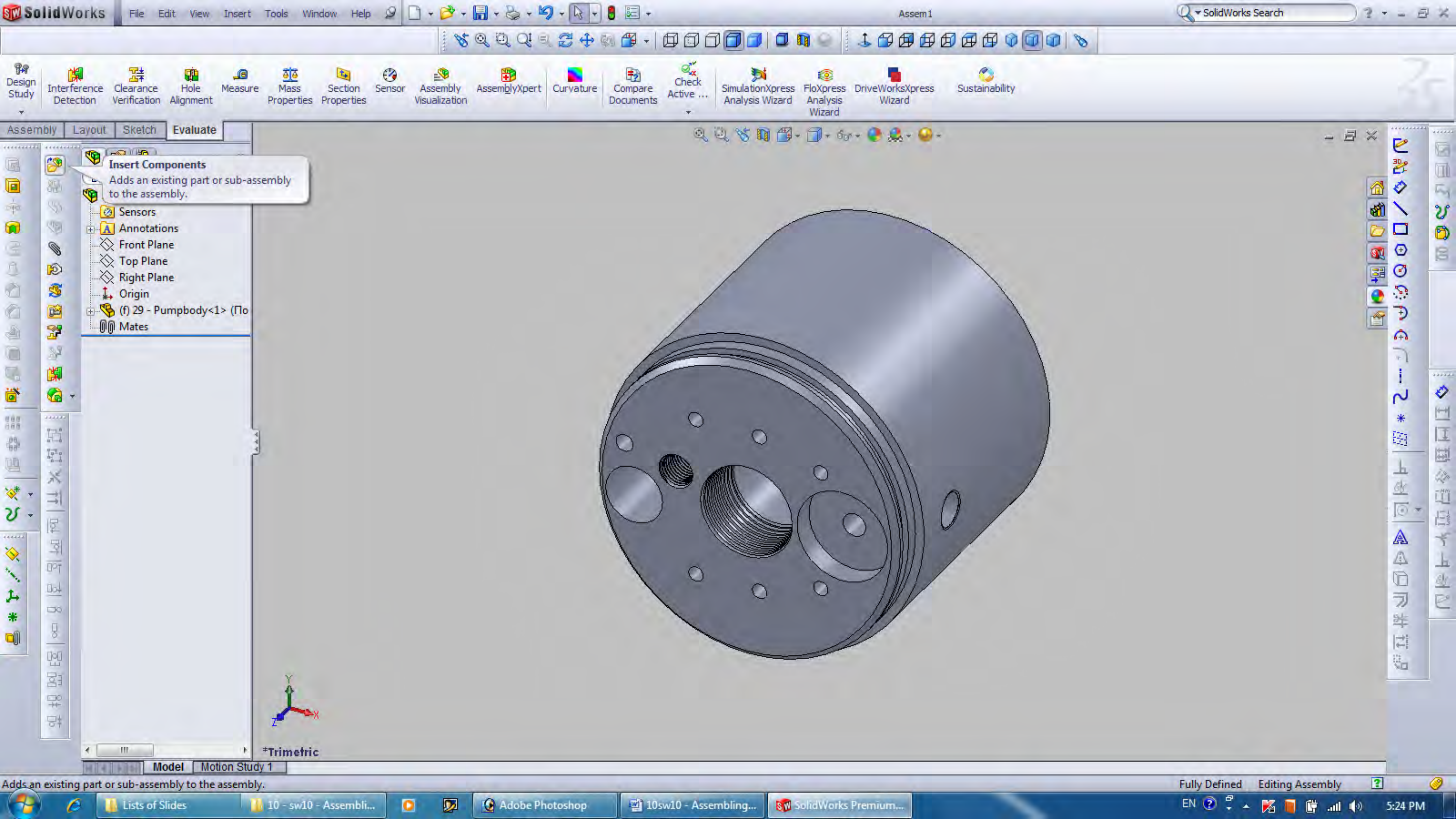




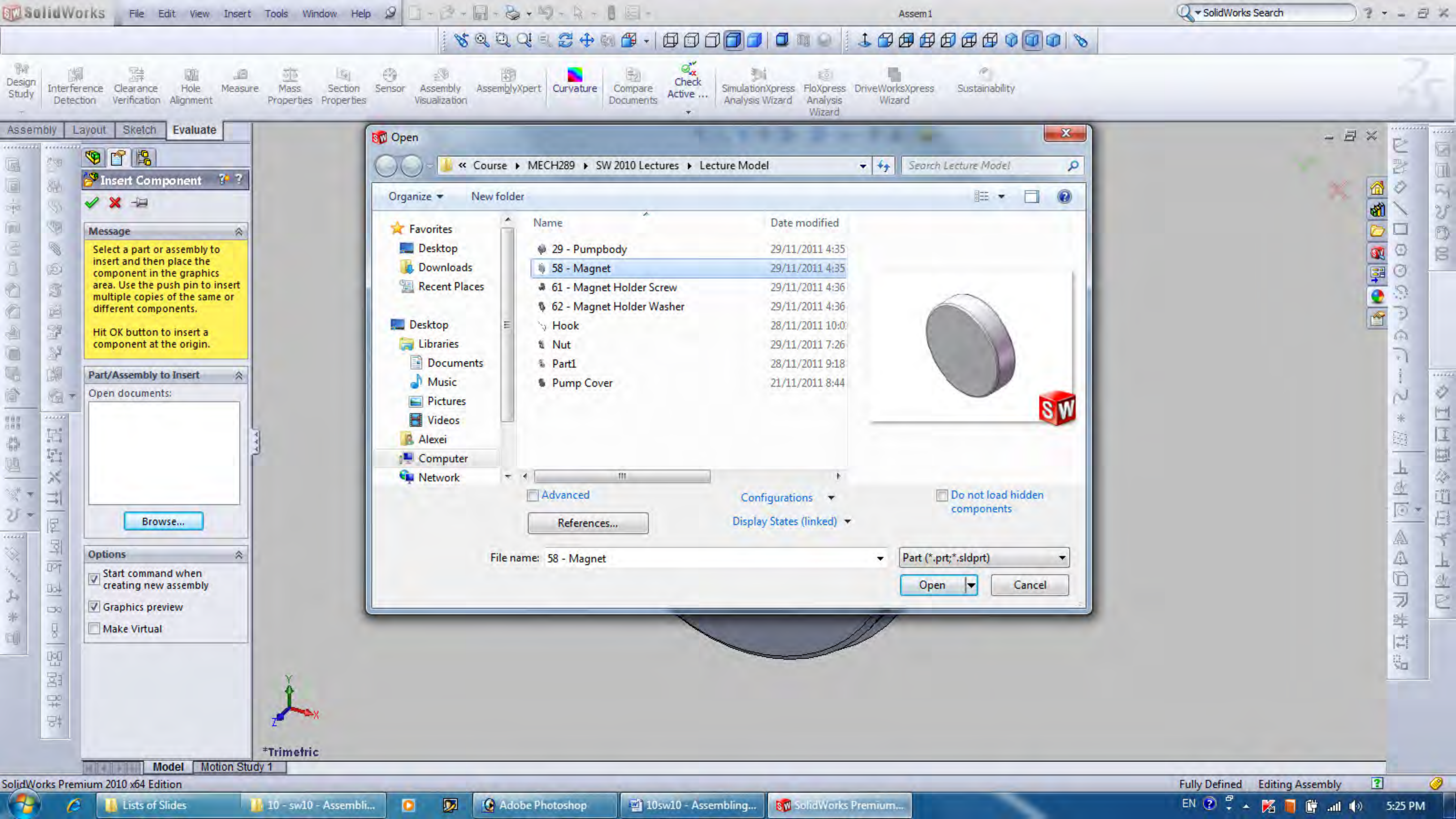




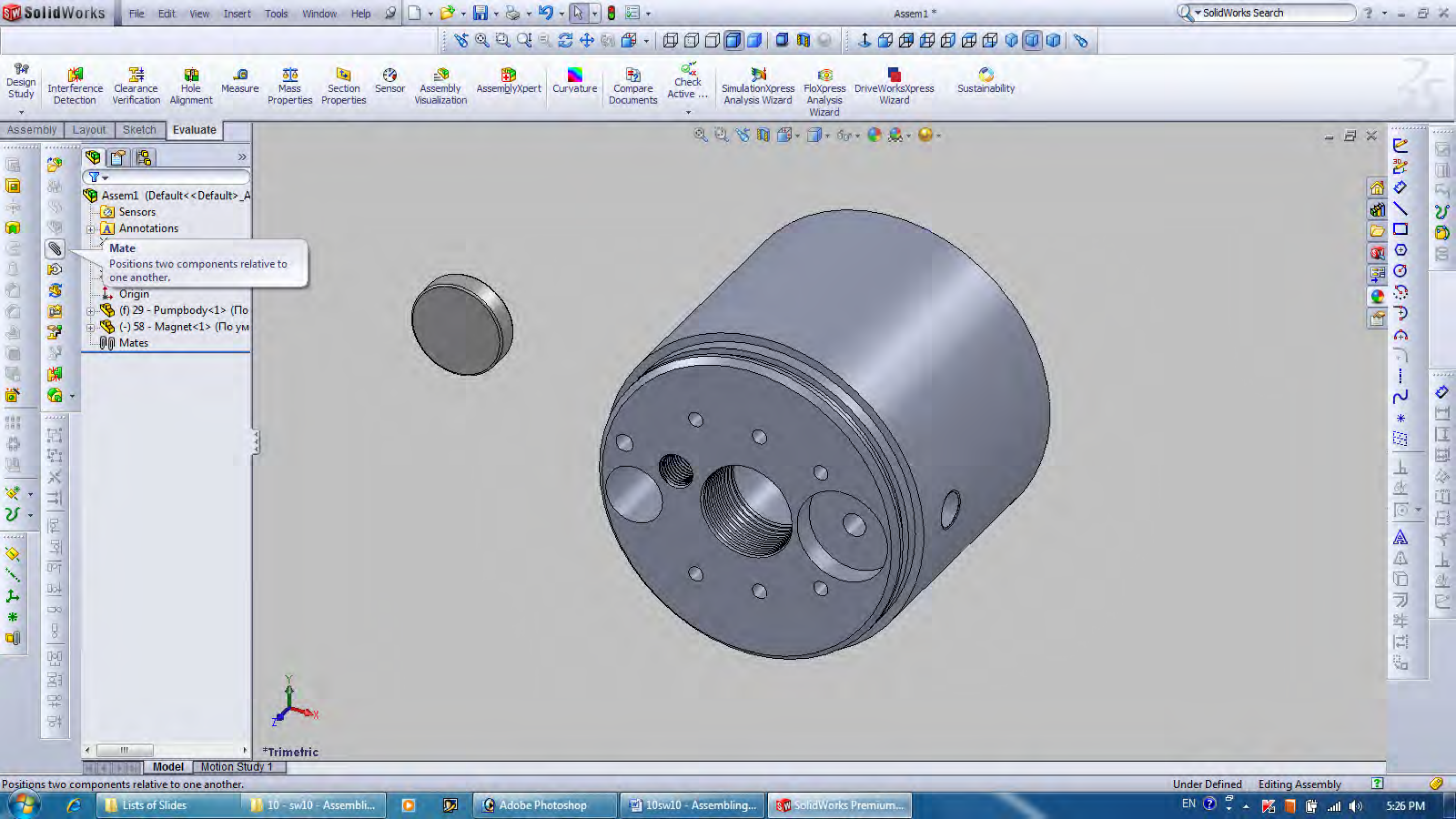




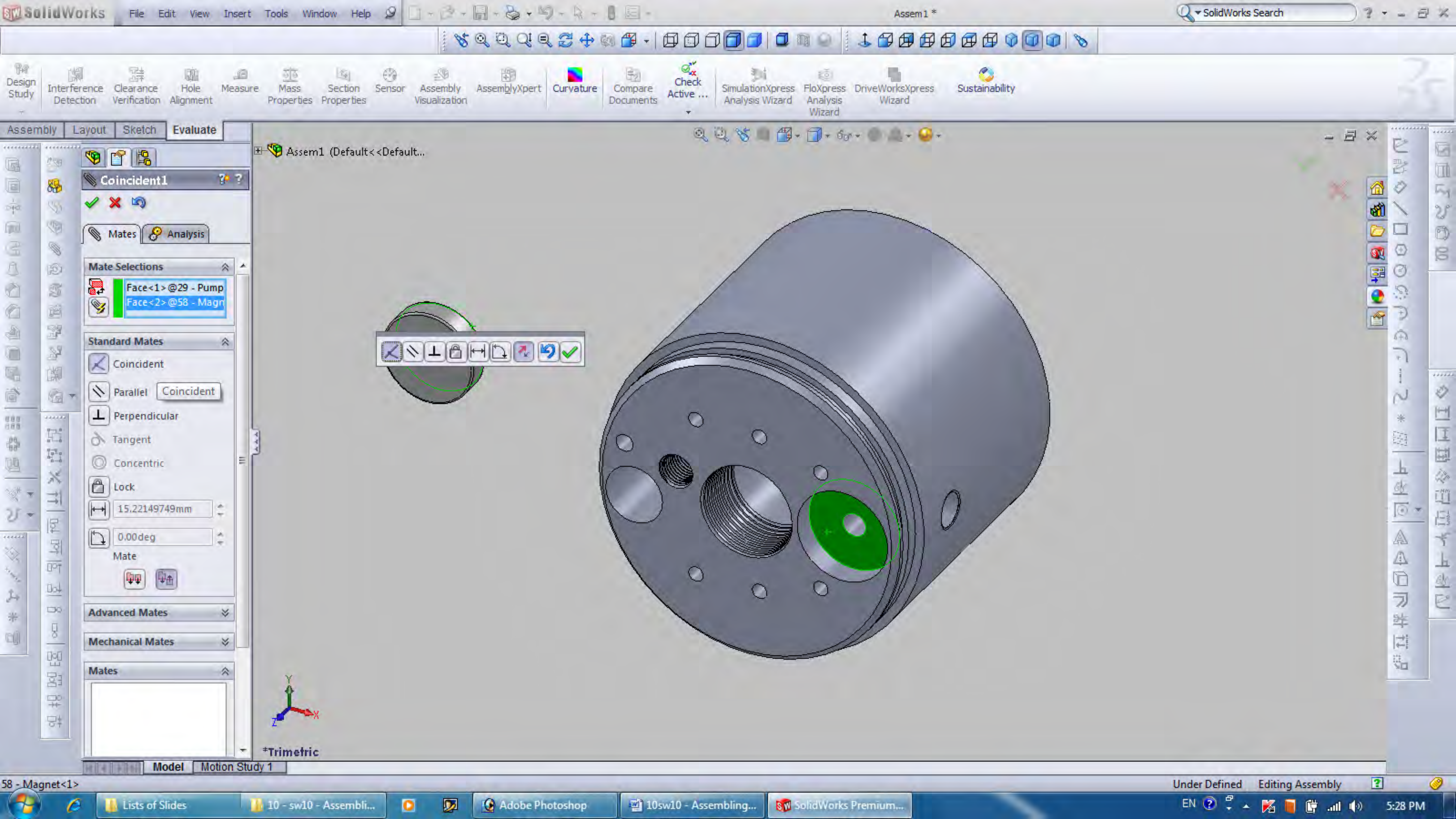




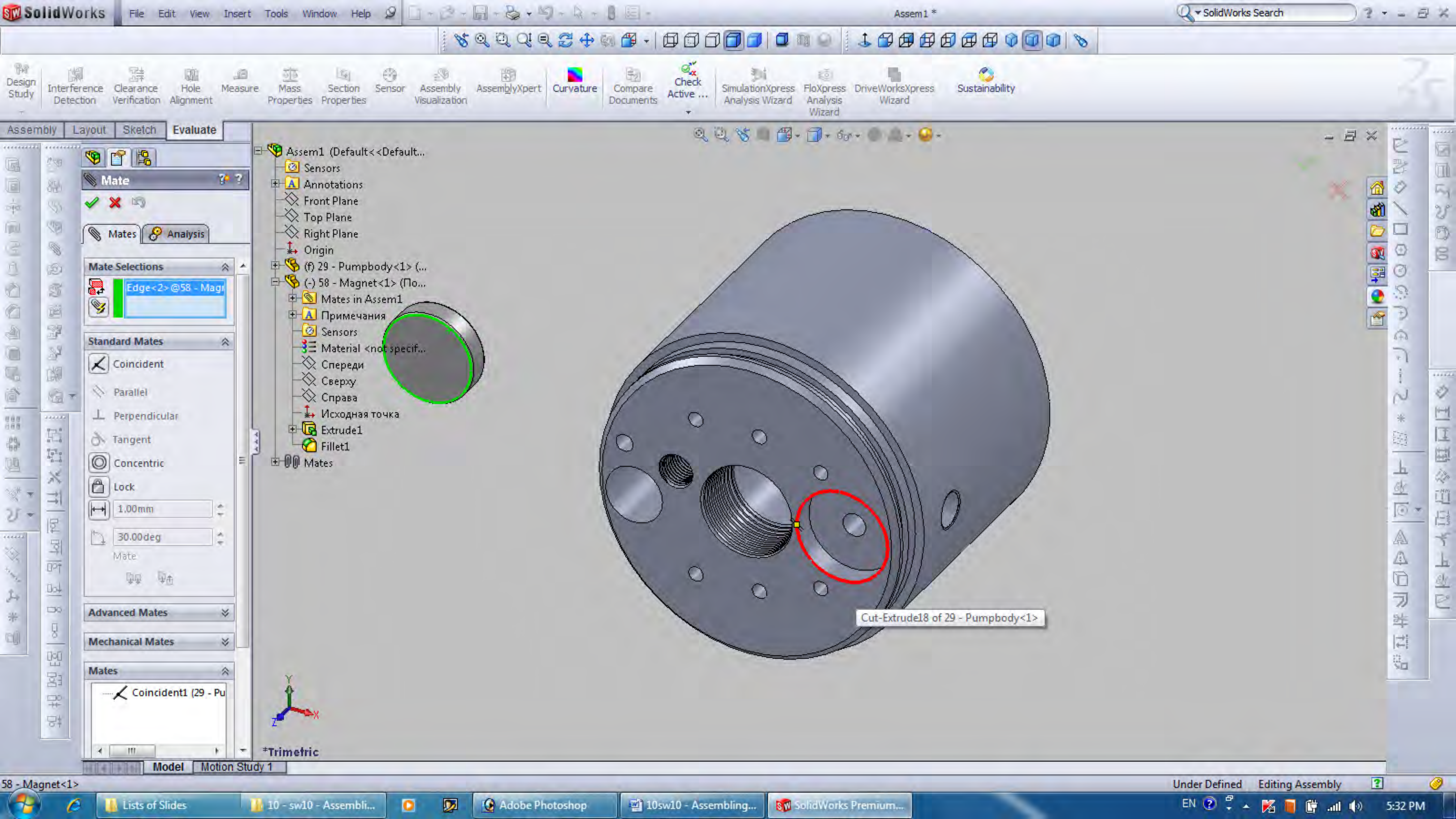












**Mate**

✓ ✗

Mates Analysis

Mate Selections

Edge<2> @58 - Magn

Standard Mates

Coincident

Parallel

Perpendicular

Tangent

Concentric

Lock

1.00mm

30.00deg

Mate

Advanced Mates

Mechanical Mates

Mates

Coincident1 (29 - Pu

Assem1 (Default<<Default...

Sensors

Annotations

Front Plane

Top Plane

Right Plane

Origin

(f) 29 - Pumpbody<1> (...

(-) 58 - Magnet<1> (По...

Mates in Assem1

Примечания

Sensors

Material <not specif...

Спереди

Сверху

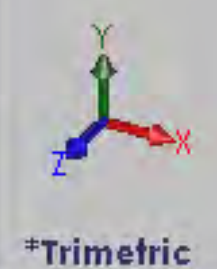
Справа

Исходная точка

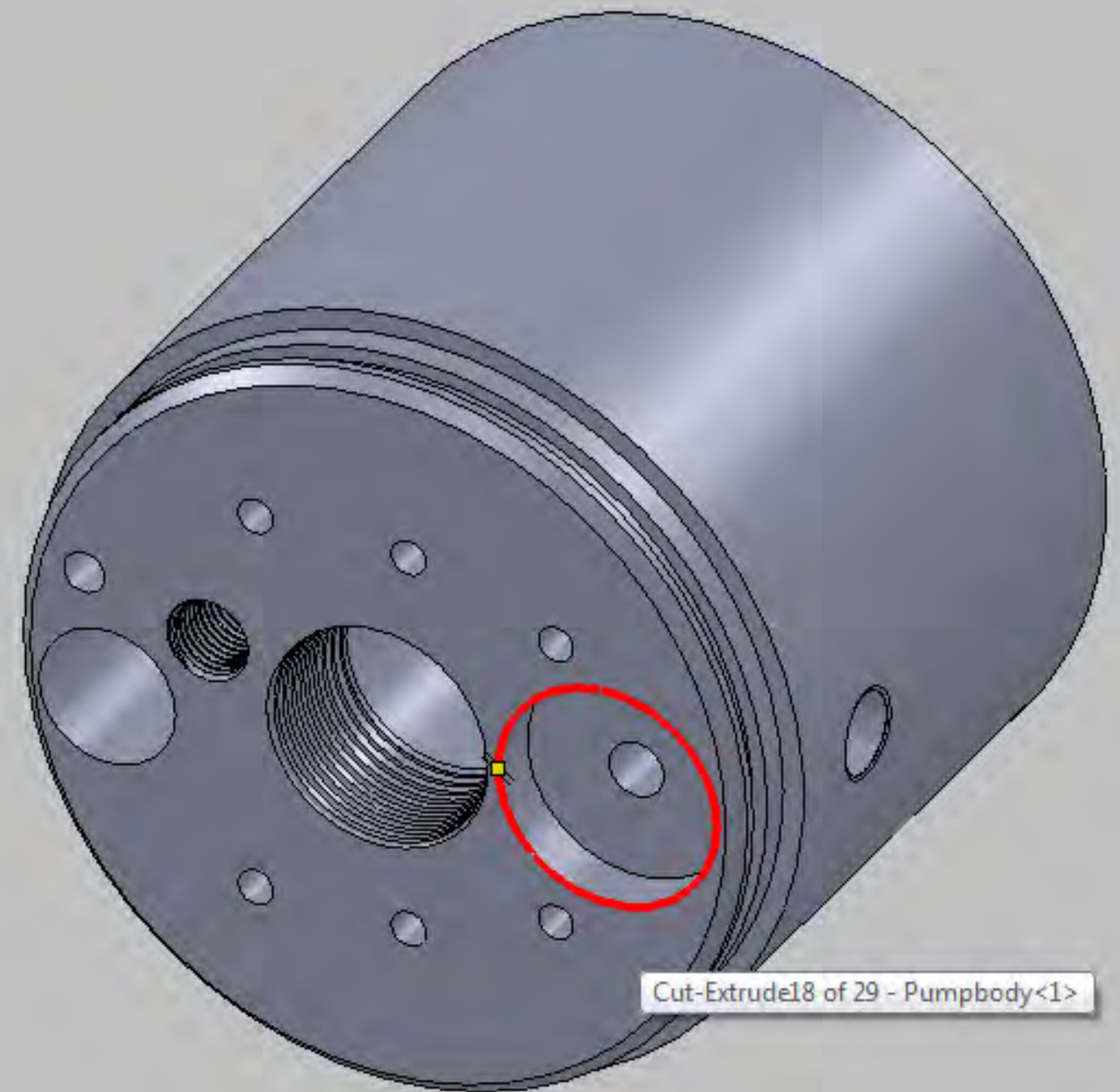
Extrude1

Fillet1

Mates

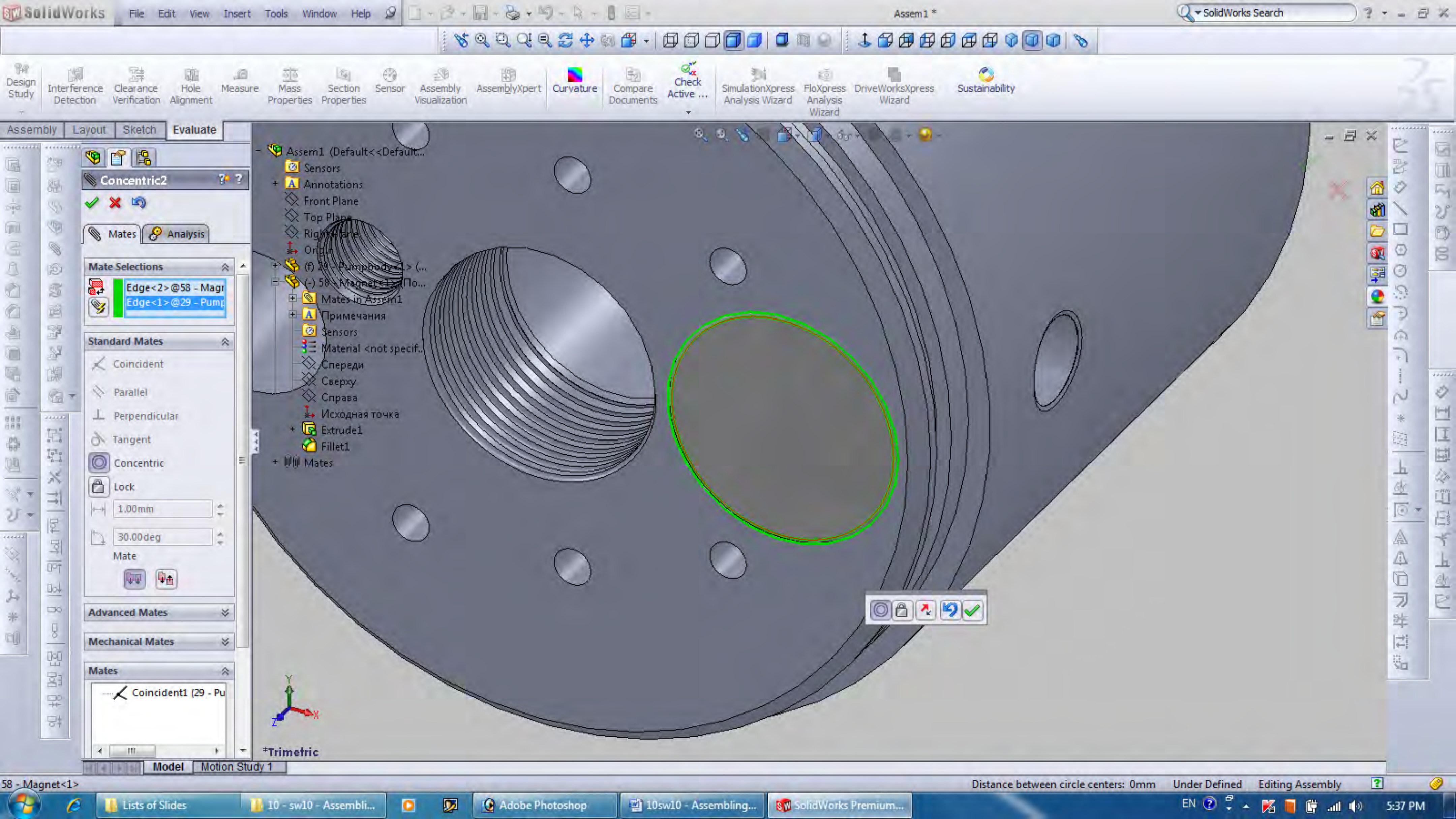


\*Trimetric

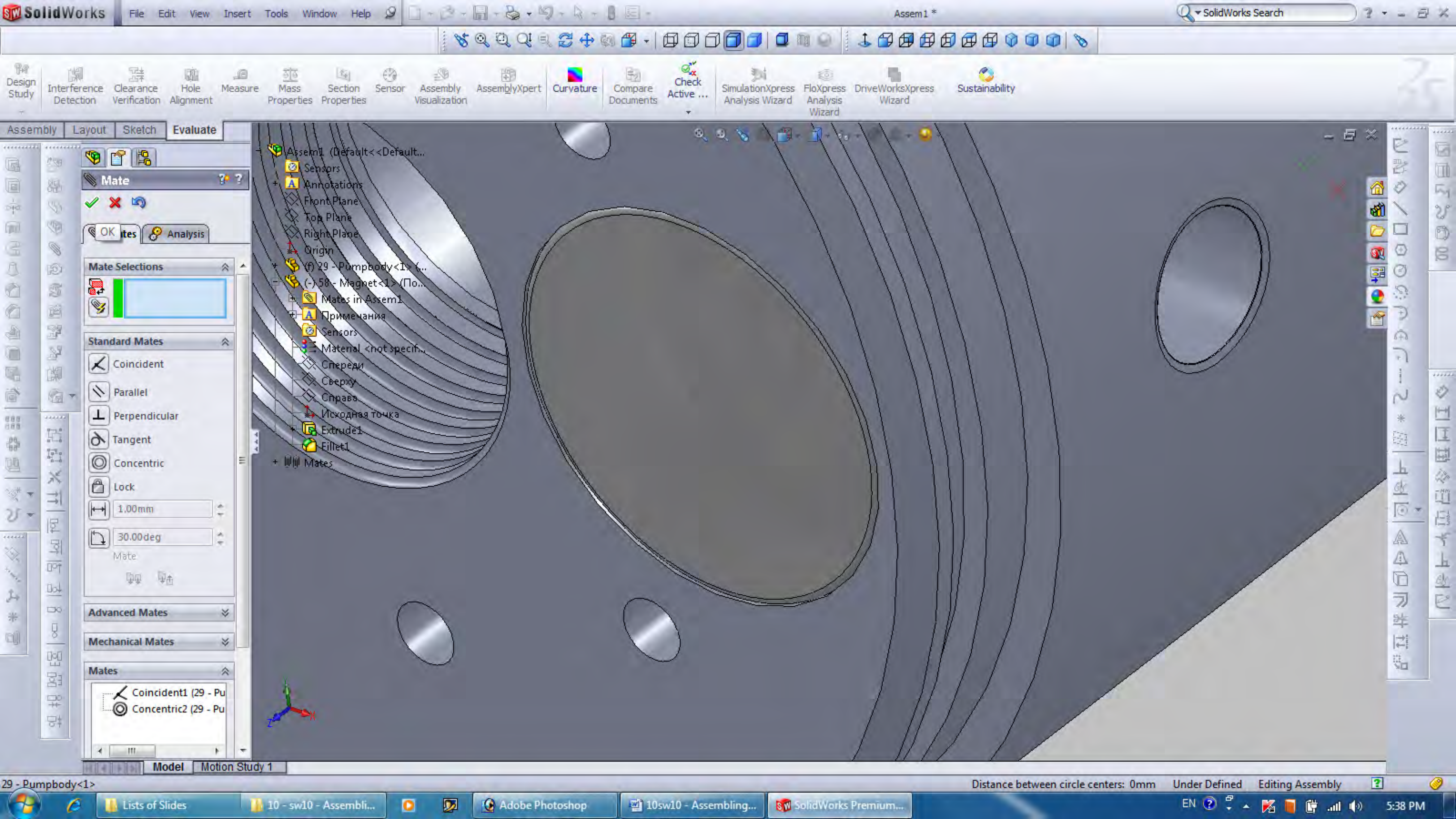


Cut-Extrude18 of 29 - Pumpbody&lt;1&gt;

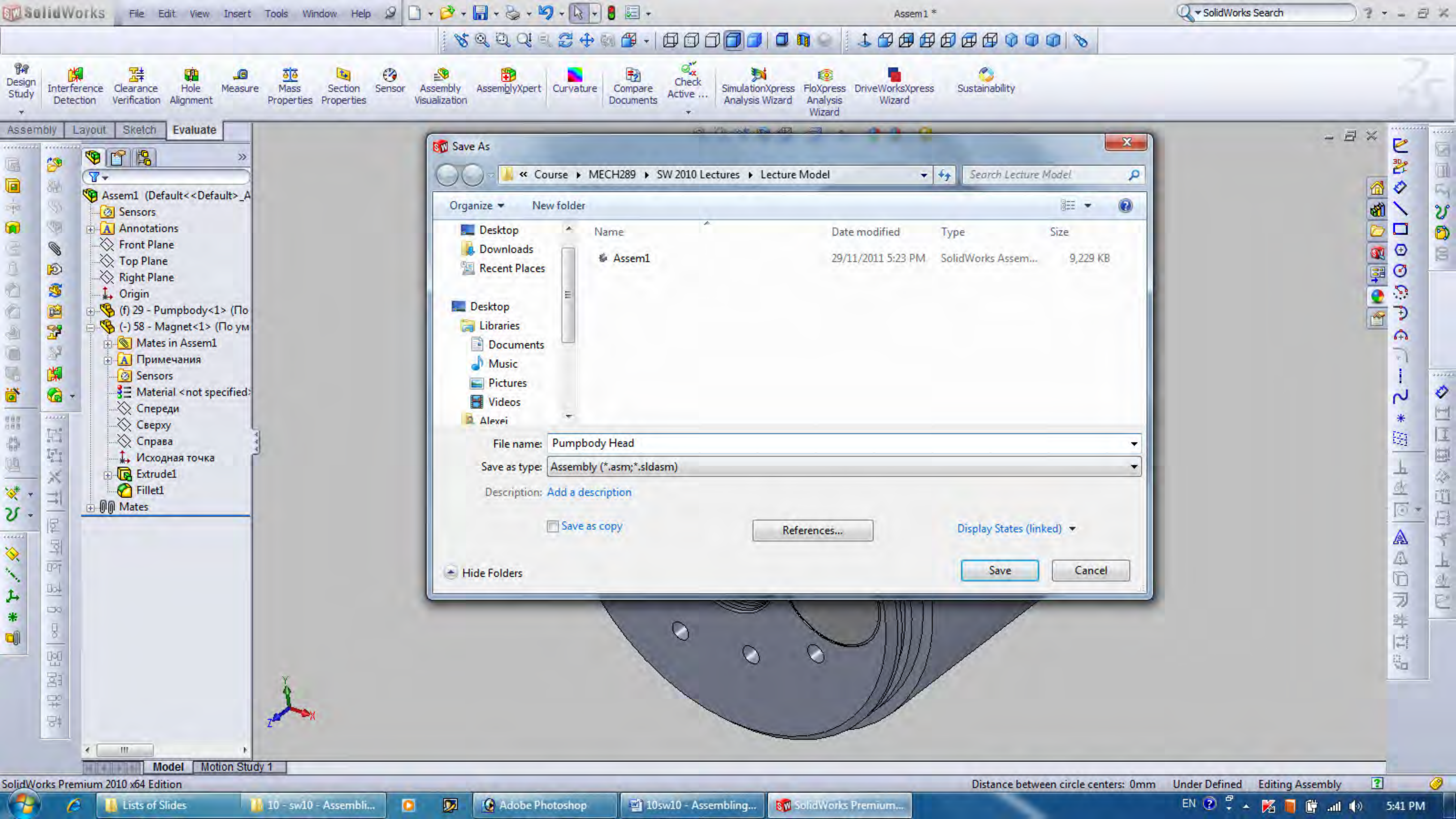




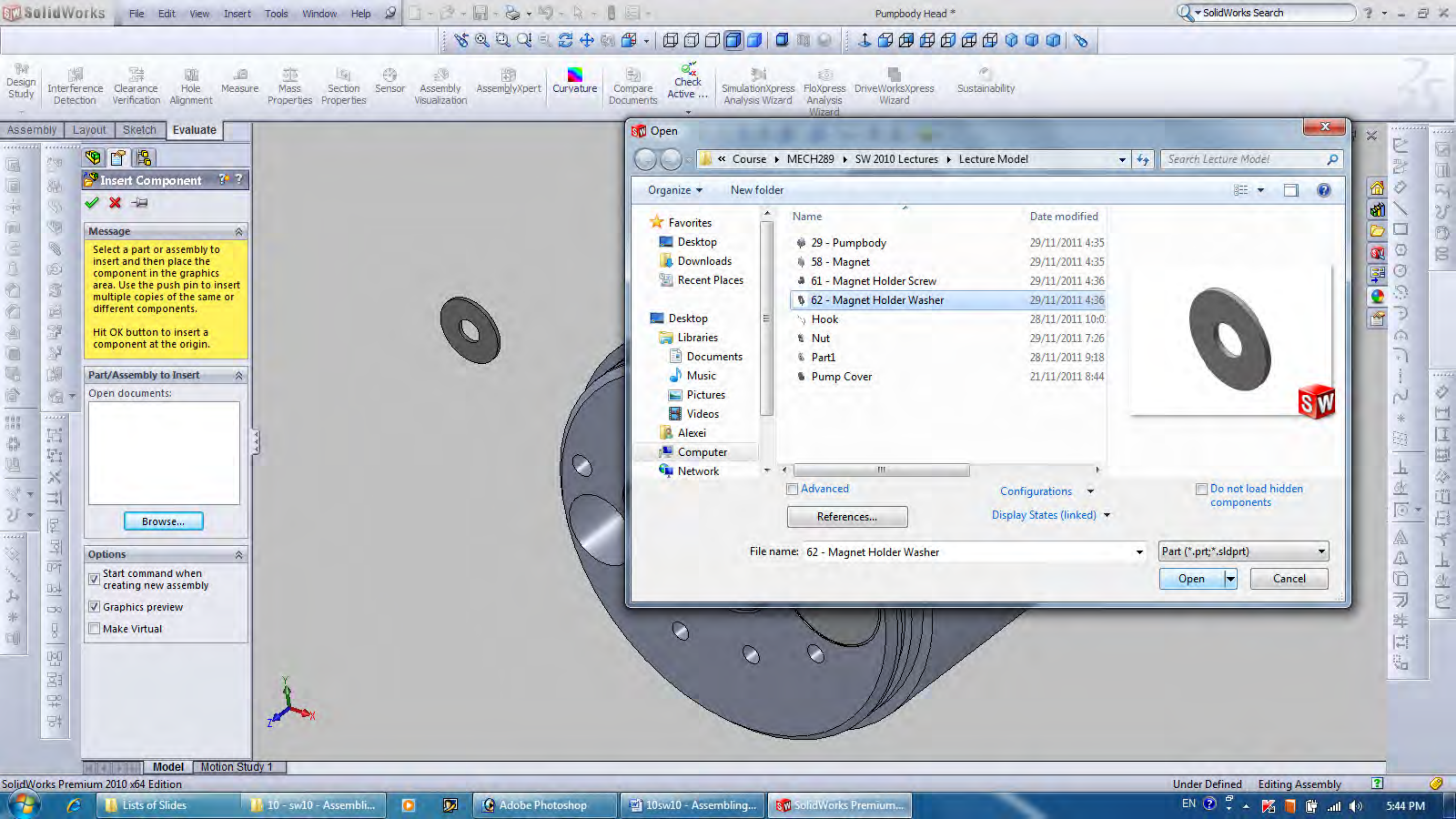












## Insert Component

## Message

Select a part or assembly to insert and then place the component in the graphics area. Use the push pin to insert multiple copies of the same or different components.

Hit OK button to insert a component at the origin.

## Part/Assembly to Insert

Open documents:

Browse...

## Options

- ☒ Start command when creating new assembly
- ☒ Graphics preview
- ☐ Make Virtual

## Open

&lt;&lt; Course &gt;&gt; MECH289 &gt;&gt; SW 2010 Lectures &gt;&gt; Lecture Model

Search Lecture Model

Organize New folder

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Name	Date modified
29 - Pumpbody	29/11/2011 4:35
58 - Magnet	29/11/2011 4:35
61 - Magnet Holder Screw	29/11/2011 4:36
62 - Magnet Holder Washer	29/11/2011 4:36
Hook	28/11/2011 10:0
Nut	29/11/2011 7:26
Part1	28/11/2011 9:18
Pump Cover	21/11/2011 8:44

☐ Advanced

References...

Configurations

Display States (linked)

☐ Do not load hidden components

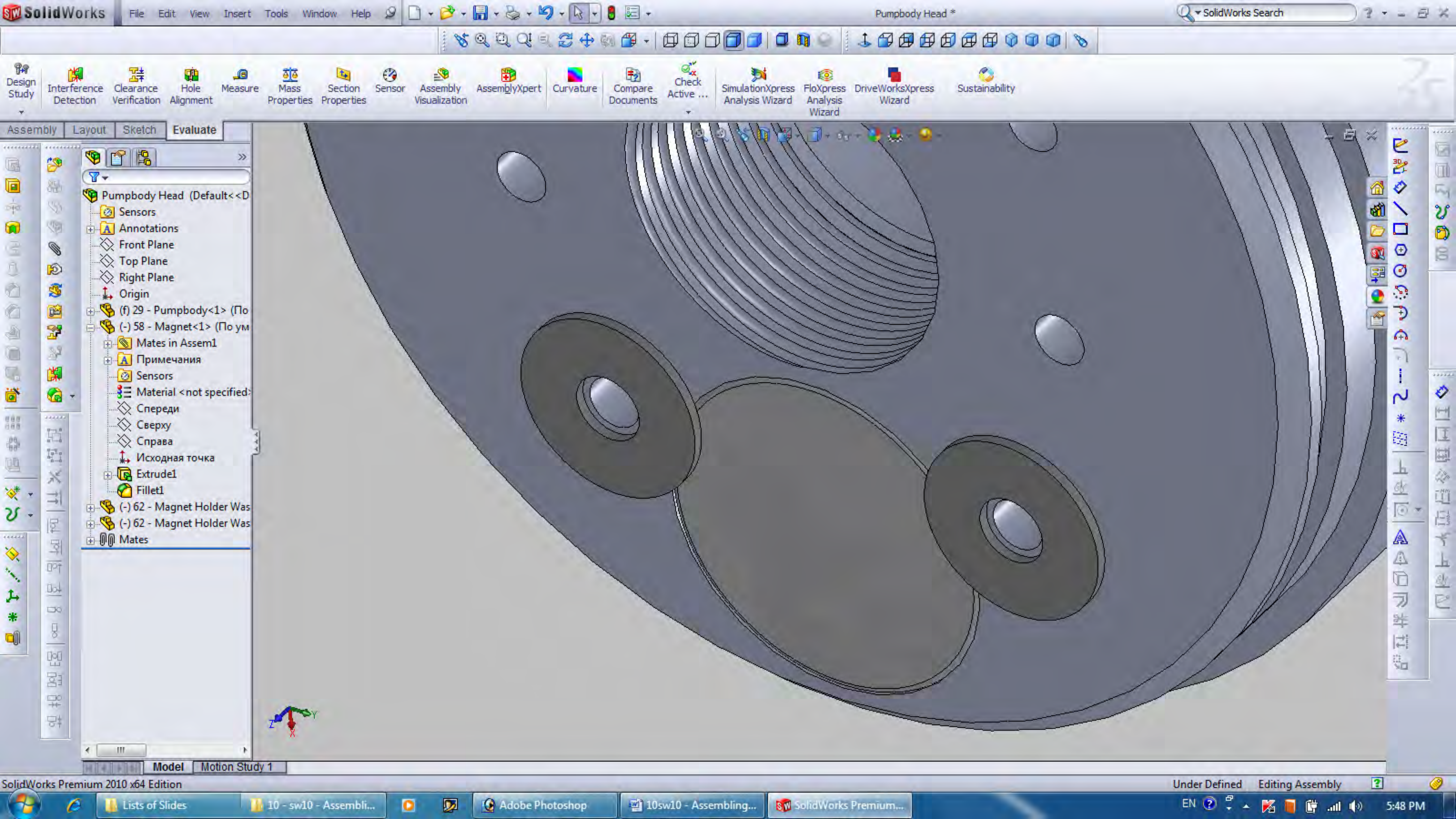
File name: 62 - Magnet Holder Washer

Part (\*.prt;\*.sldprt)

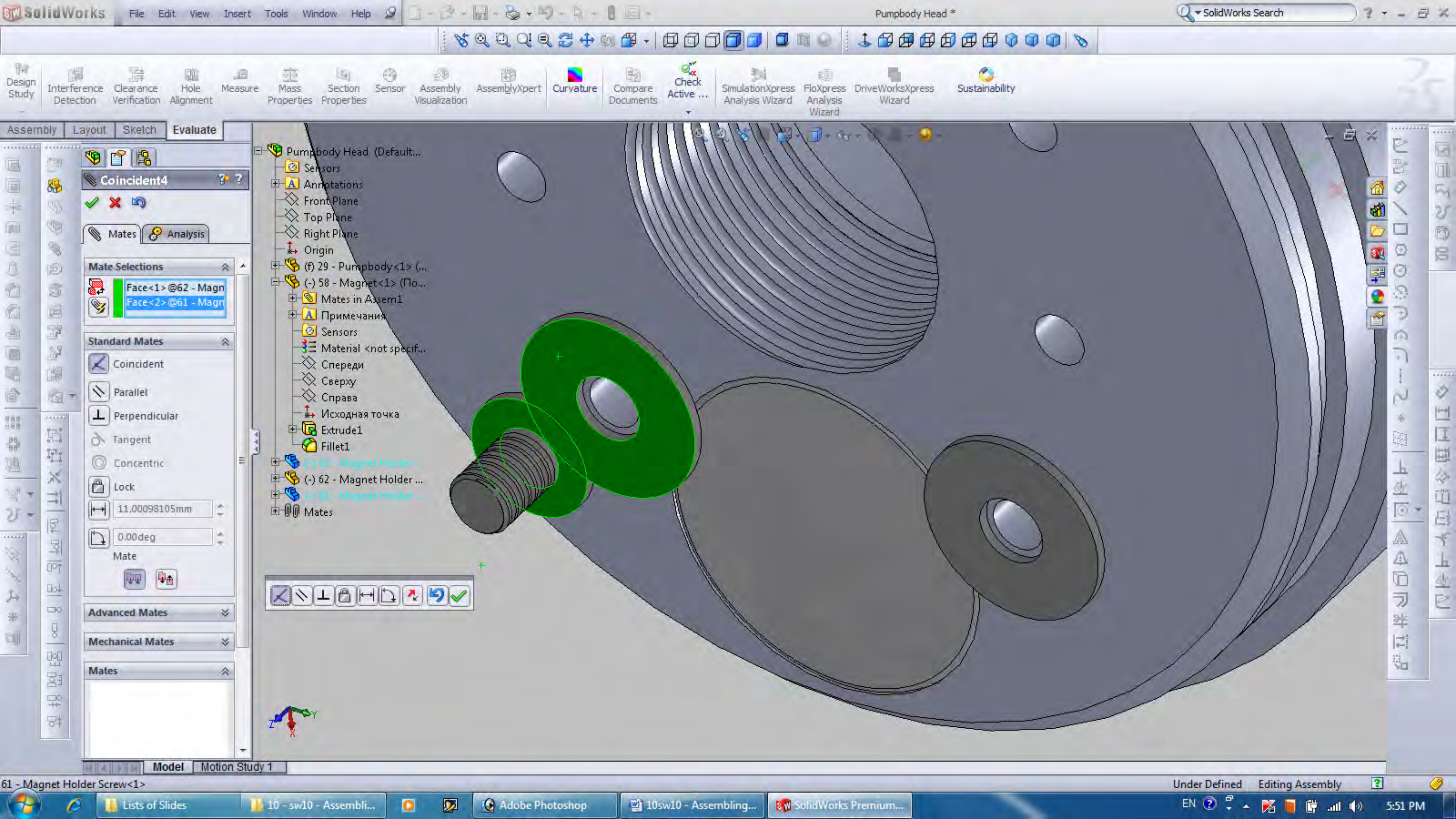
Open

Cancel

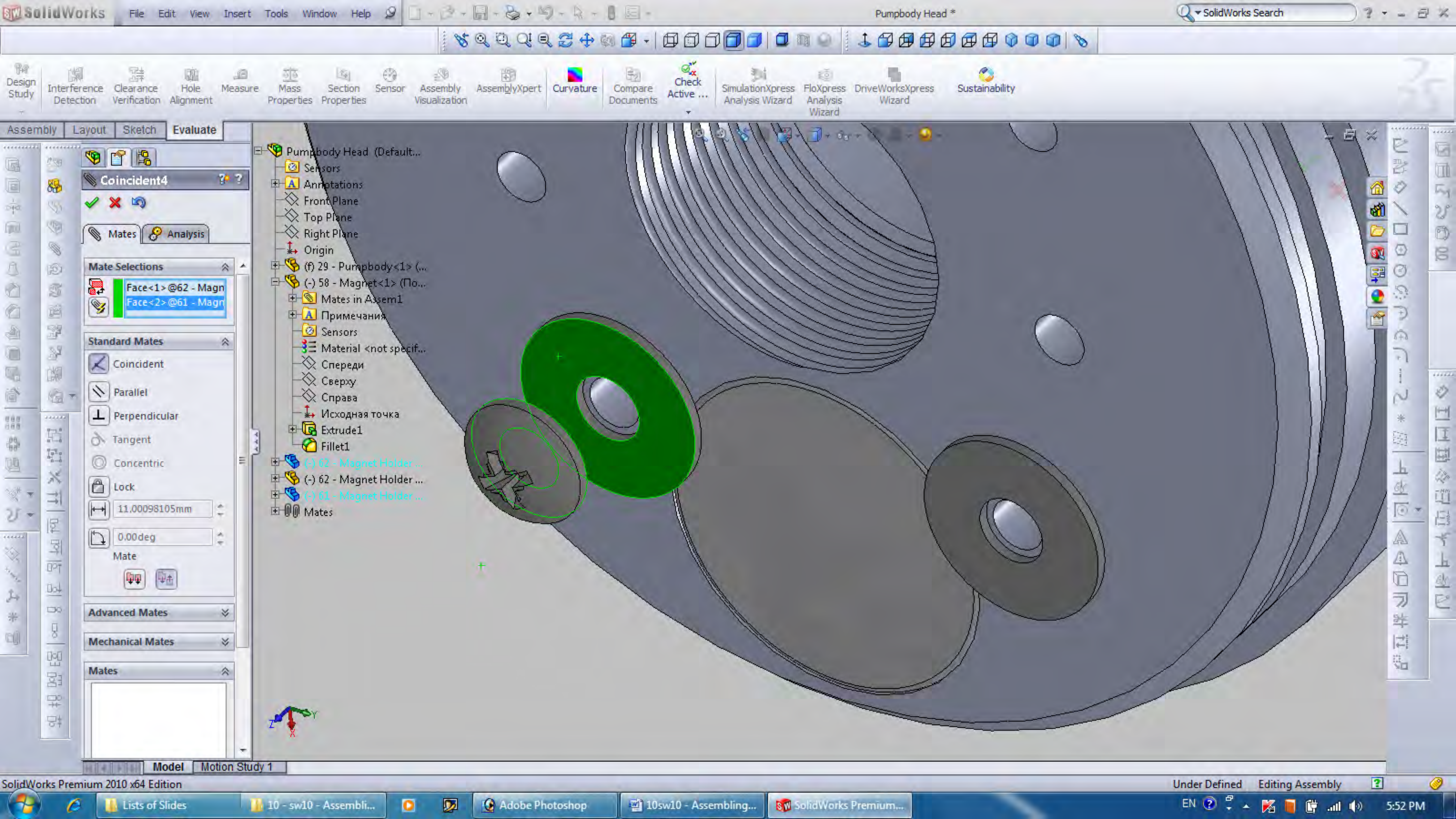




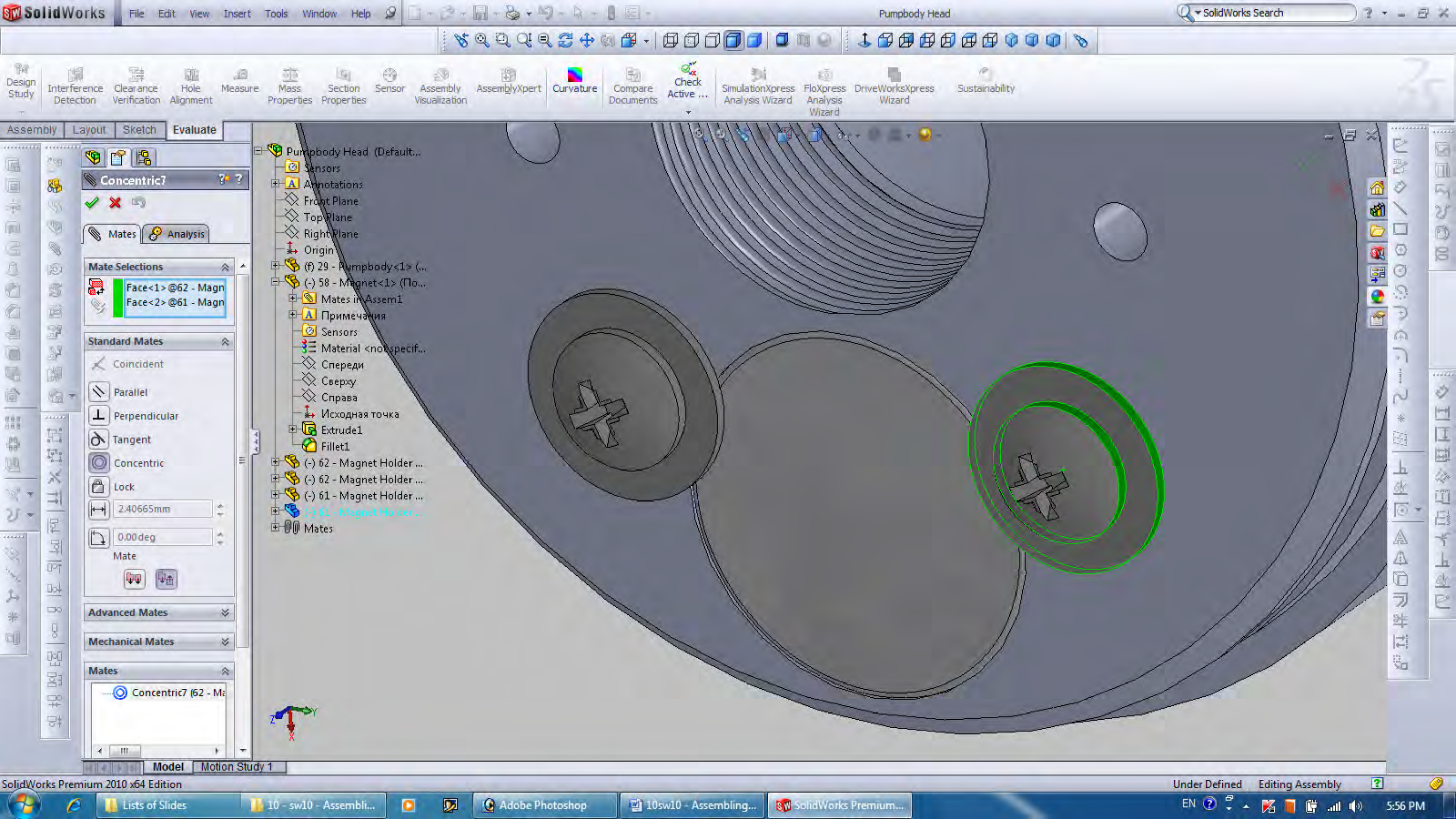




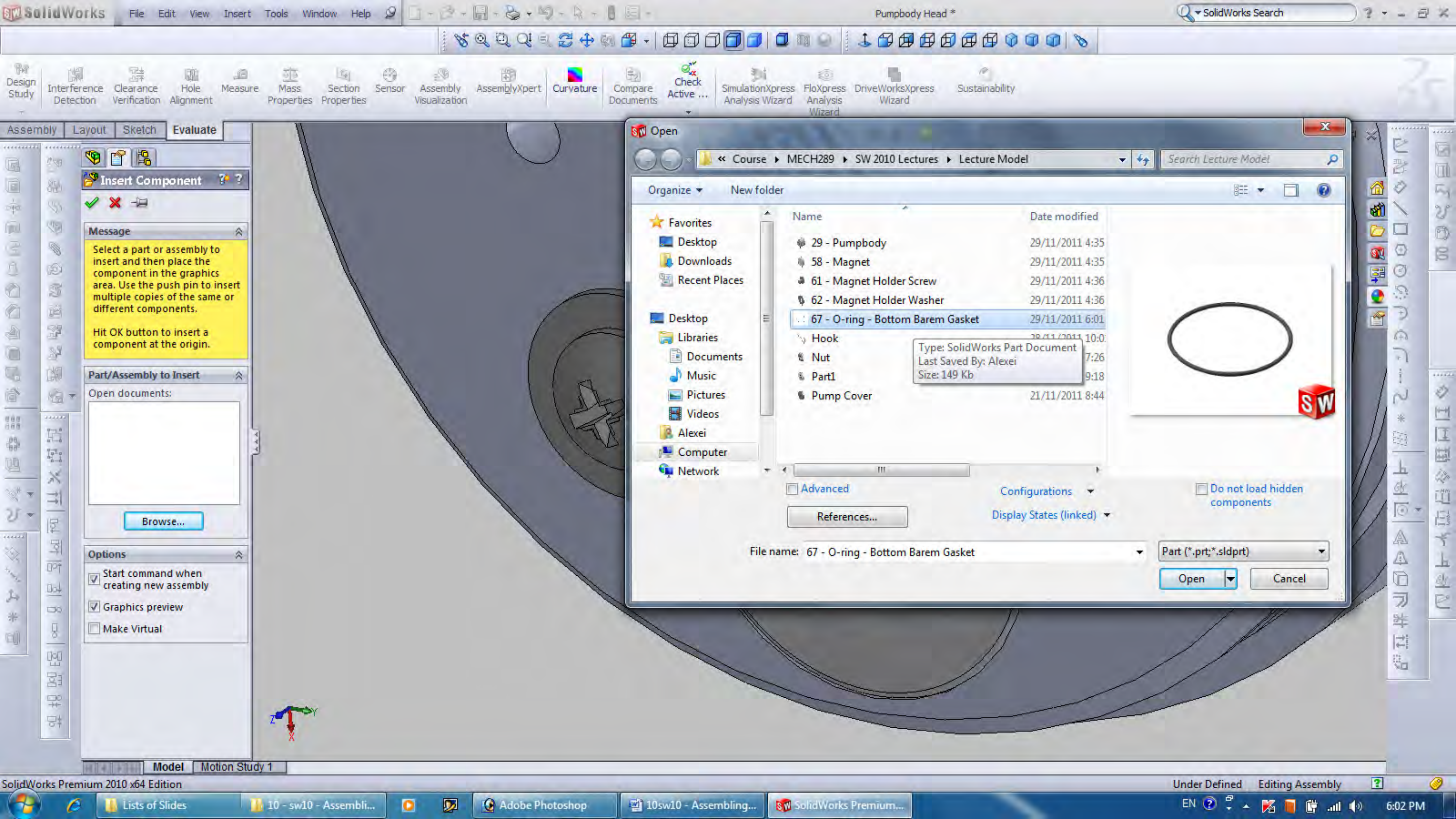




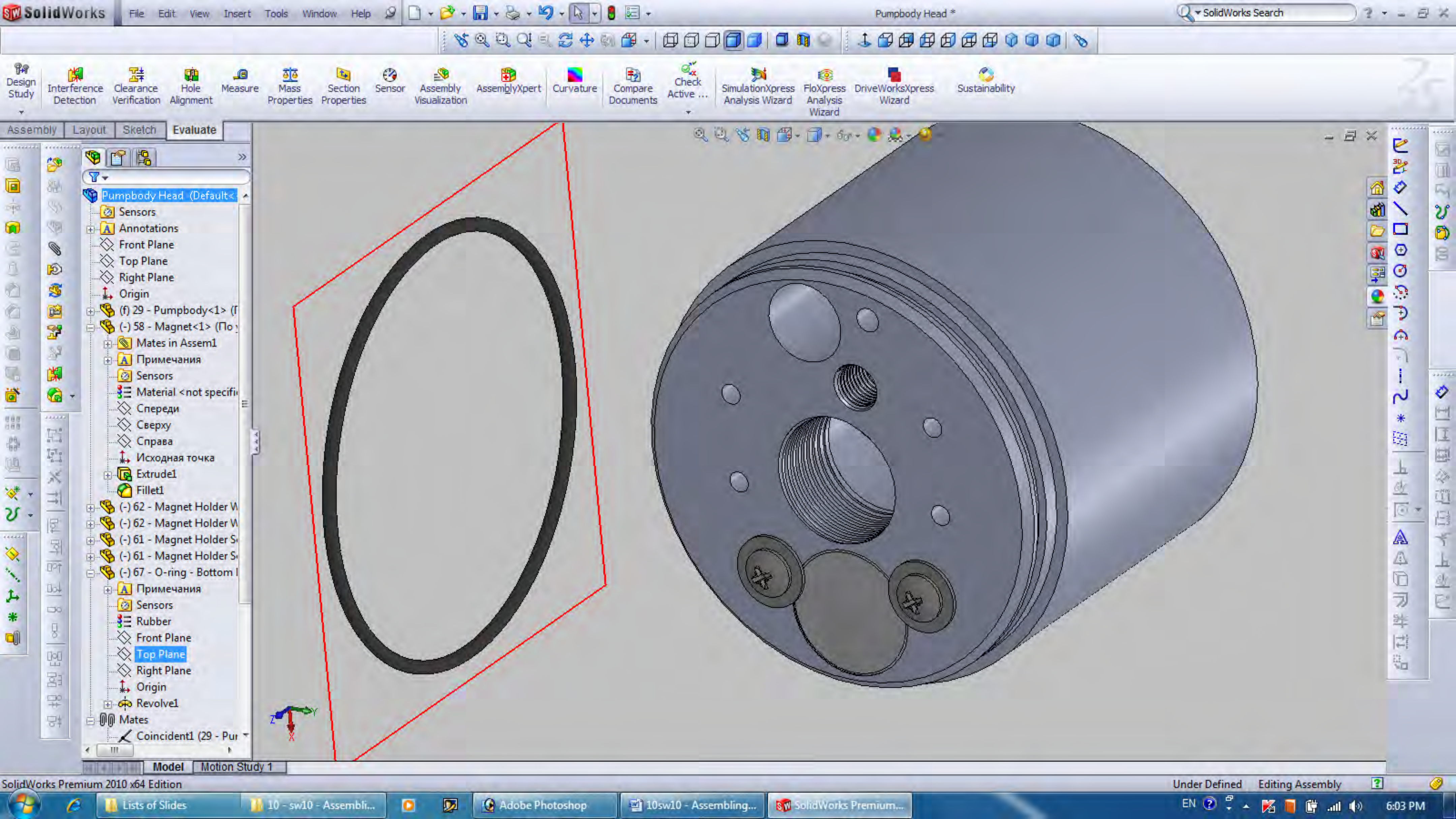




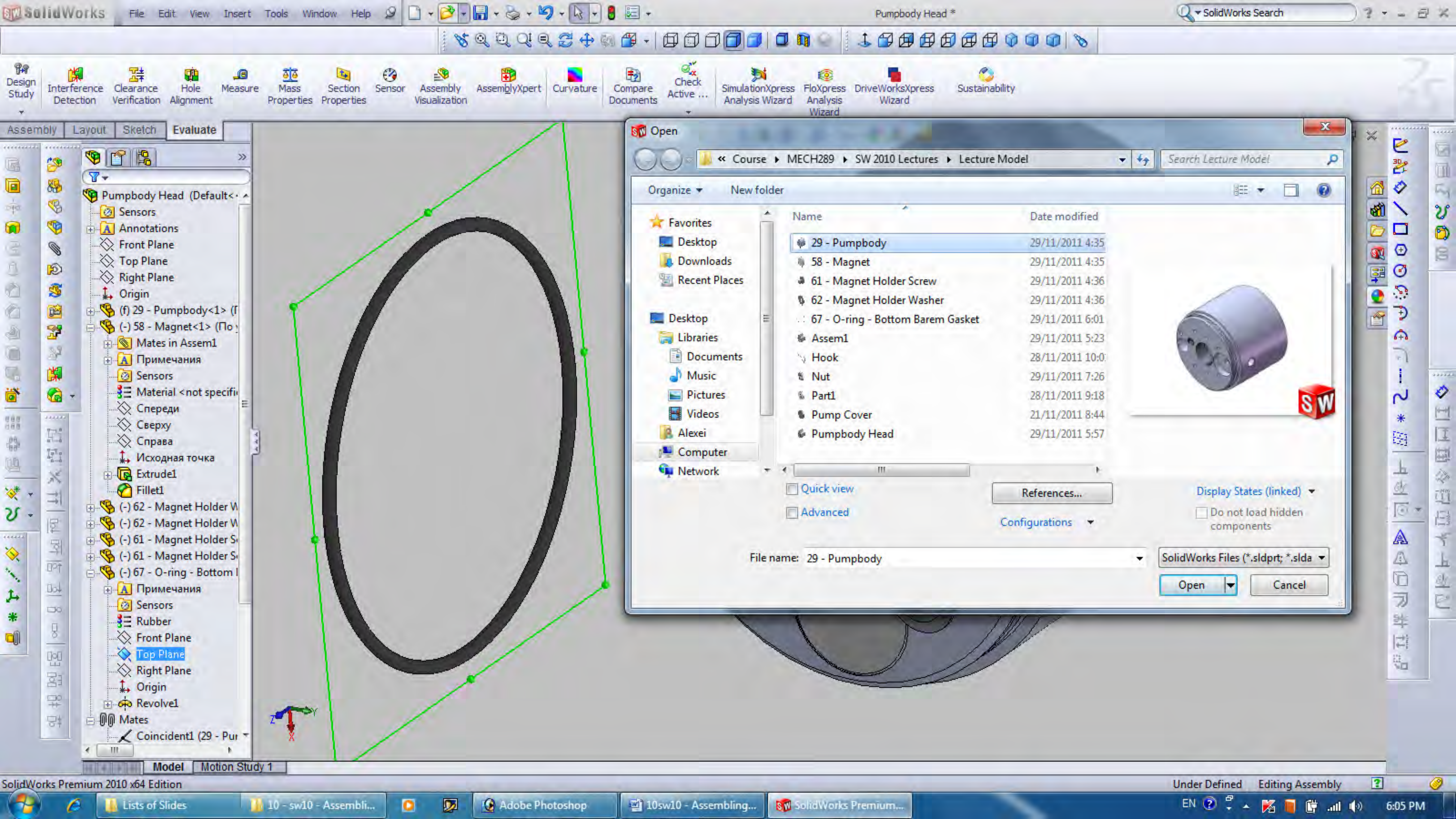




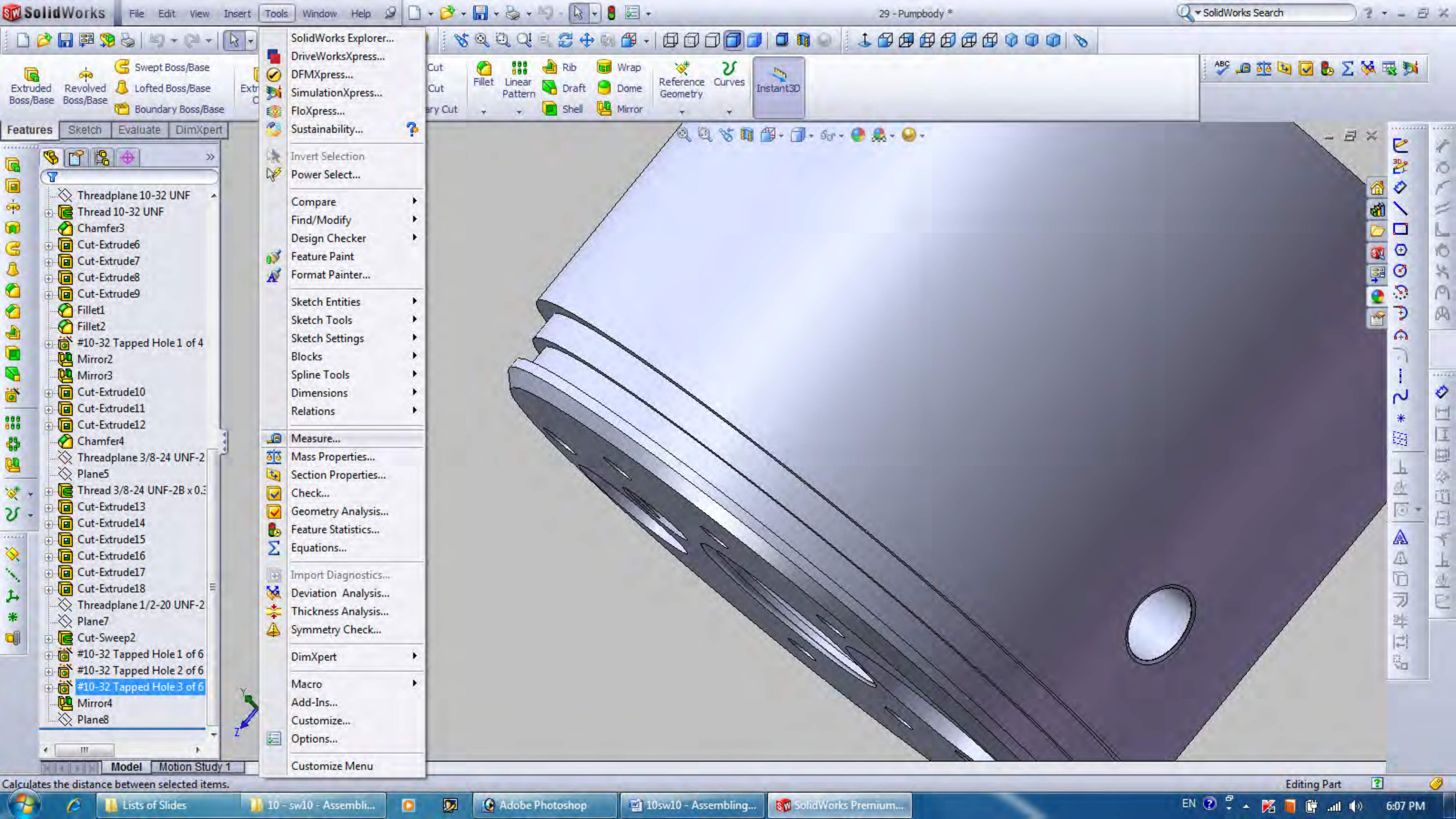




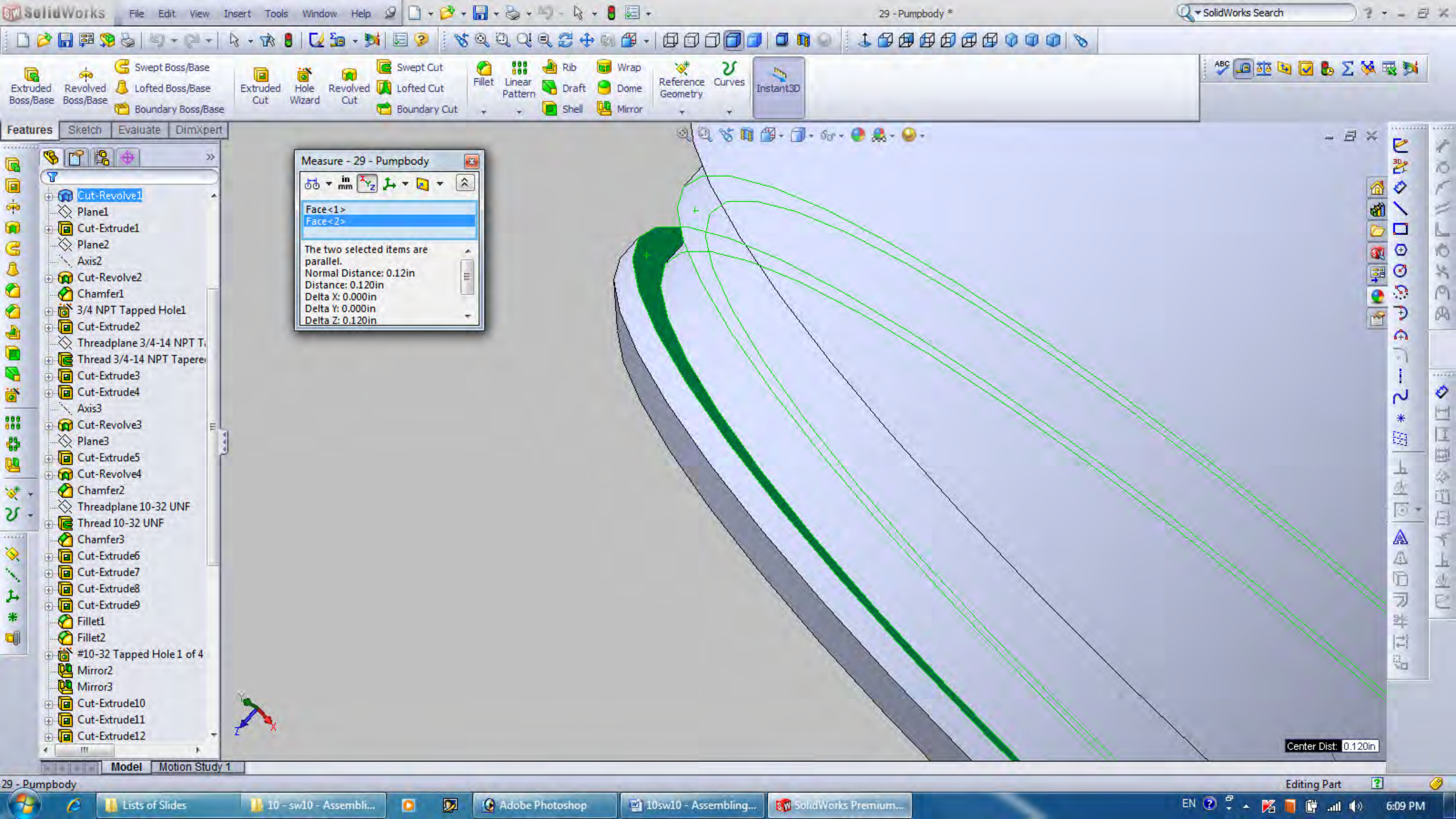












Measure - 29 - Pumpbody

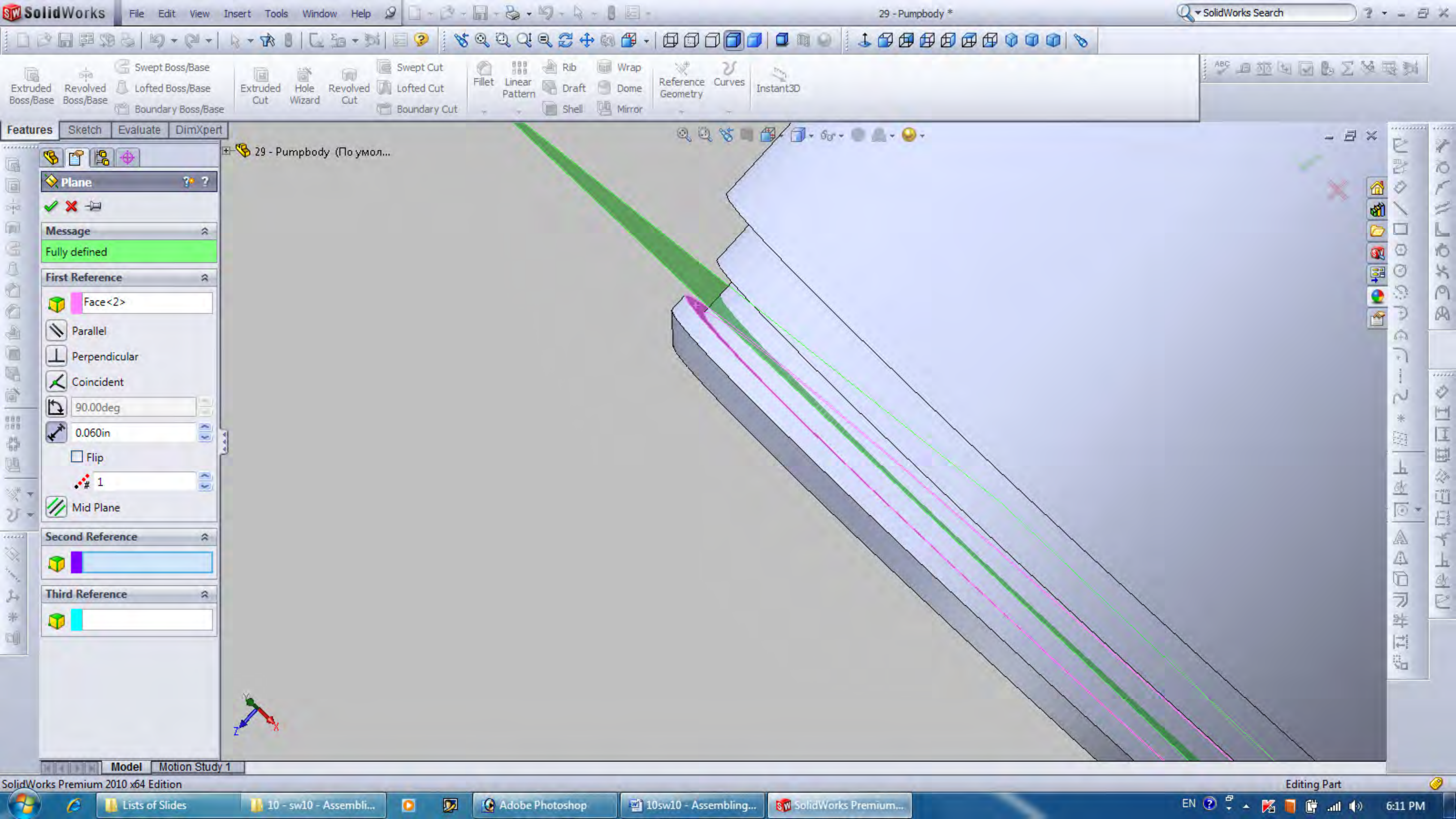
in mm

Face<1>  
Face<2>

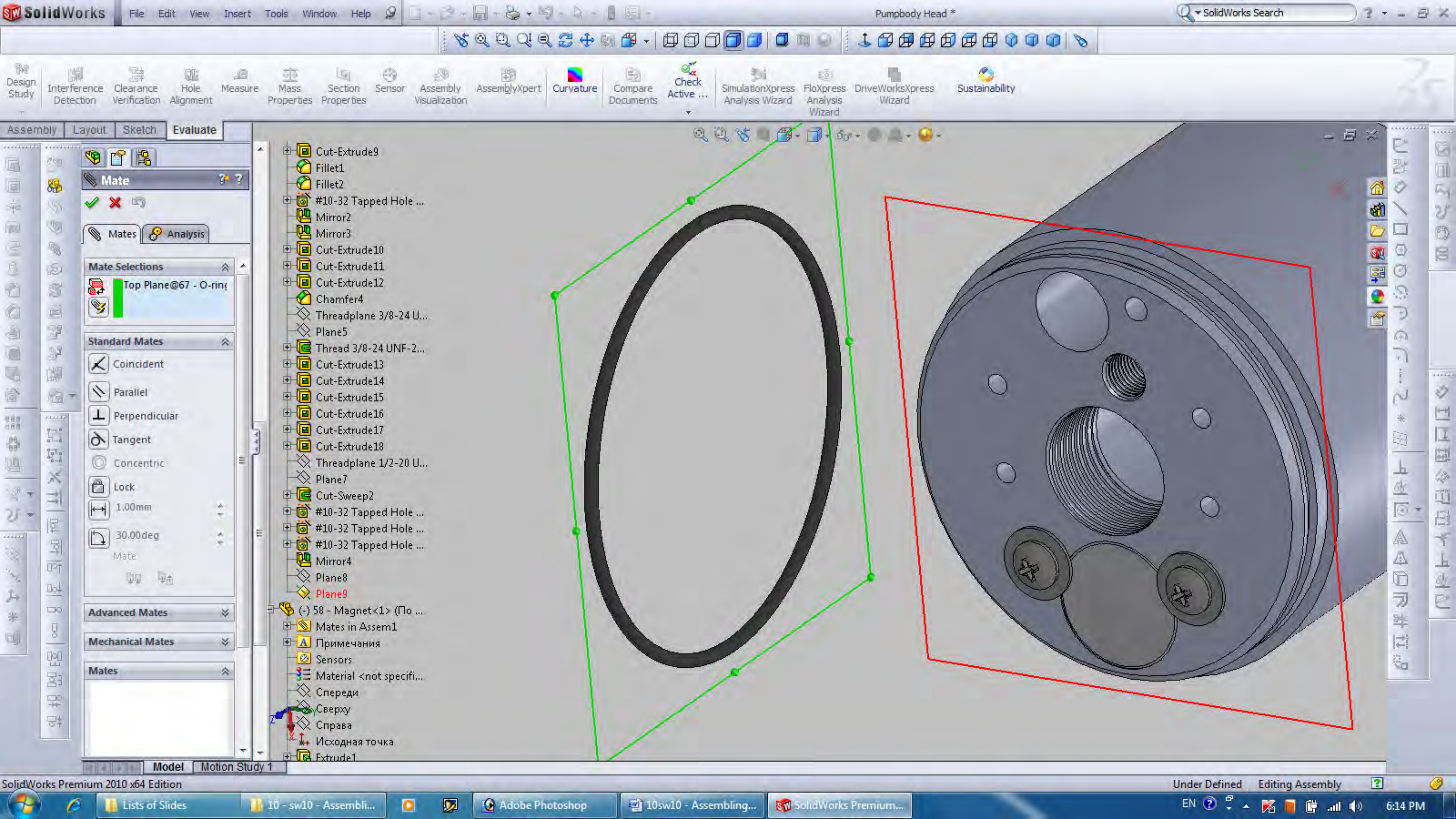
The two selected items are parallel.  
Normal Distance: 0.12in  
Distance: 0.120in  
Delta X: 0.000in  
Delta Y: 0.000in  
Delta Z: 0.120in

Center Dist: 0.120in

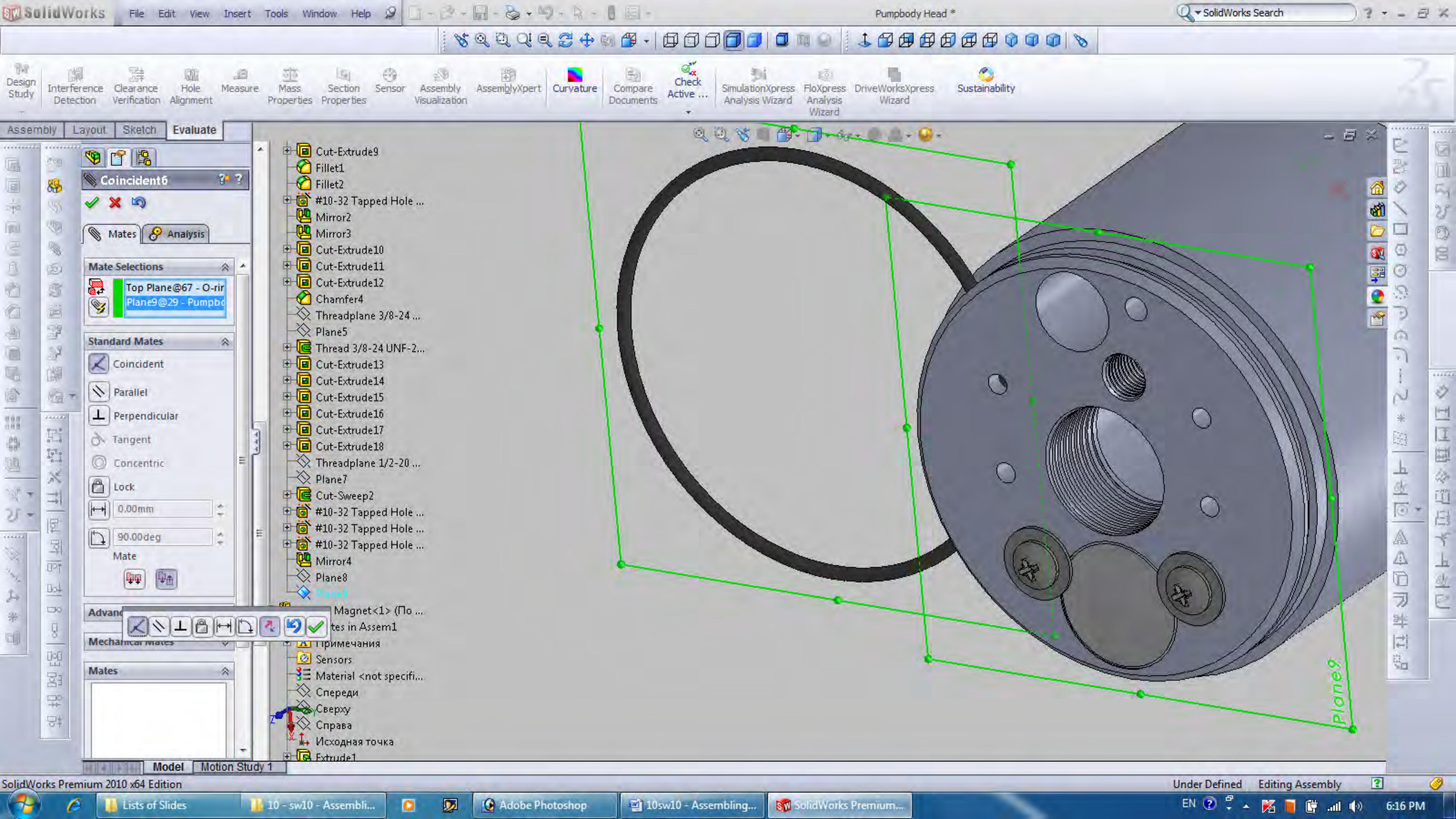




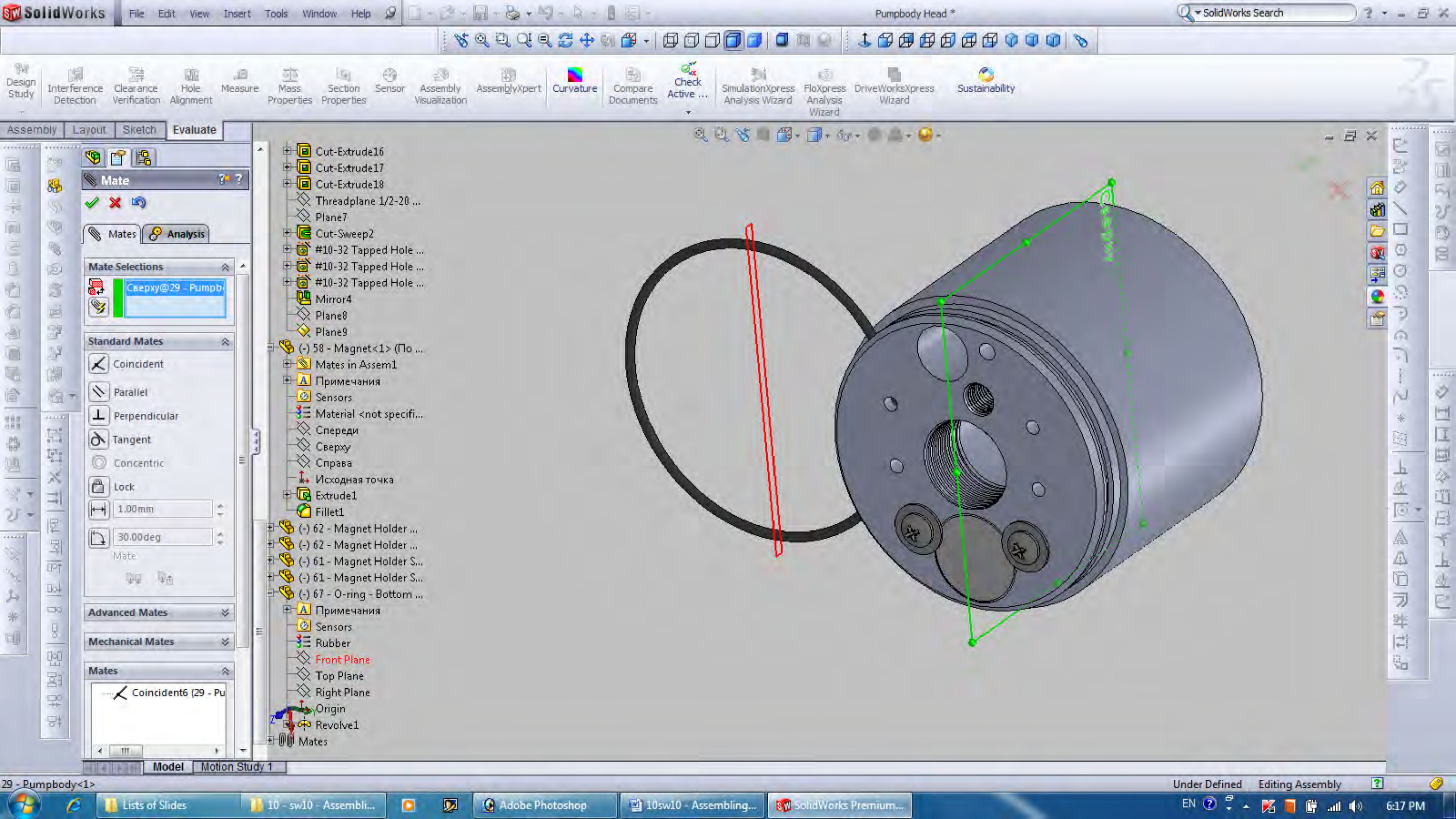




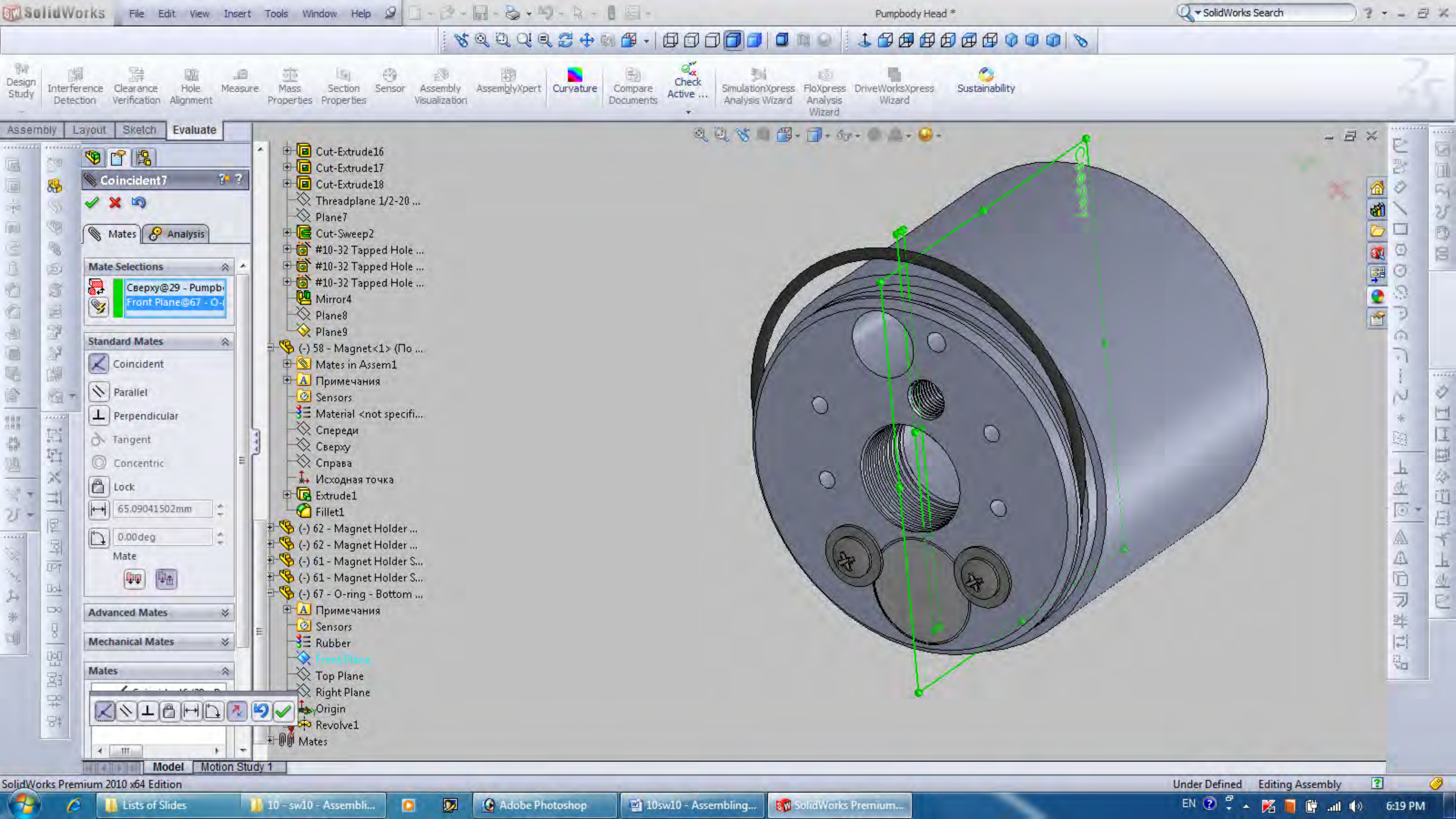




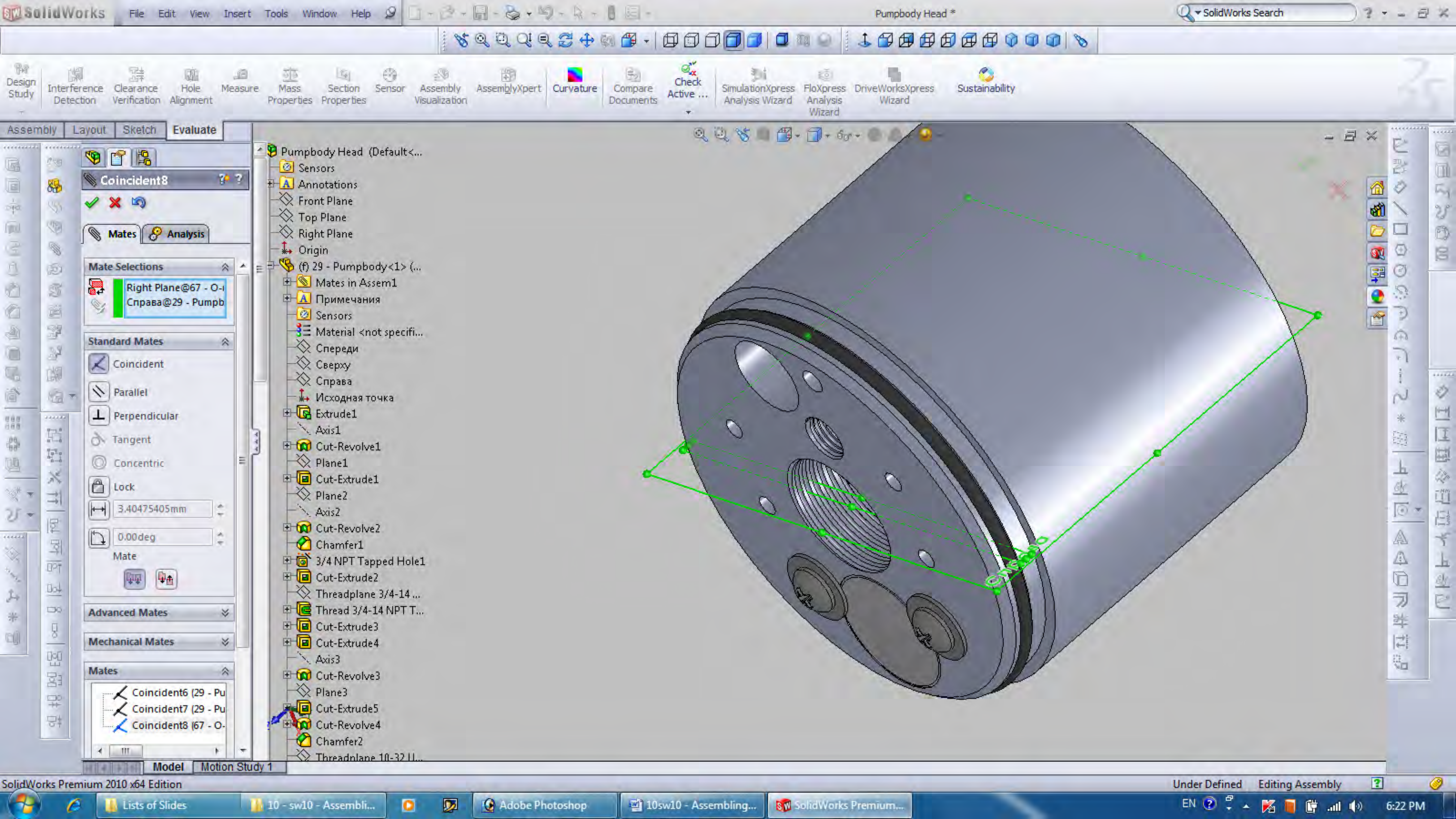




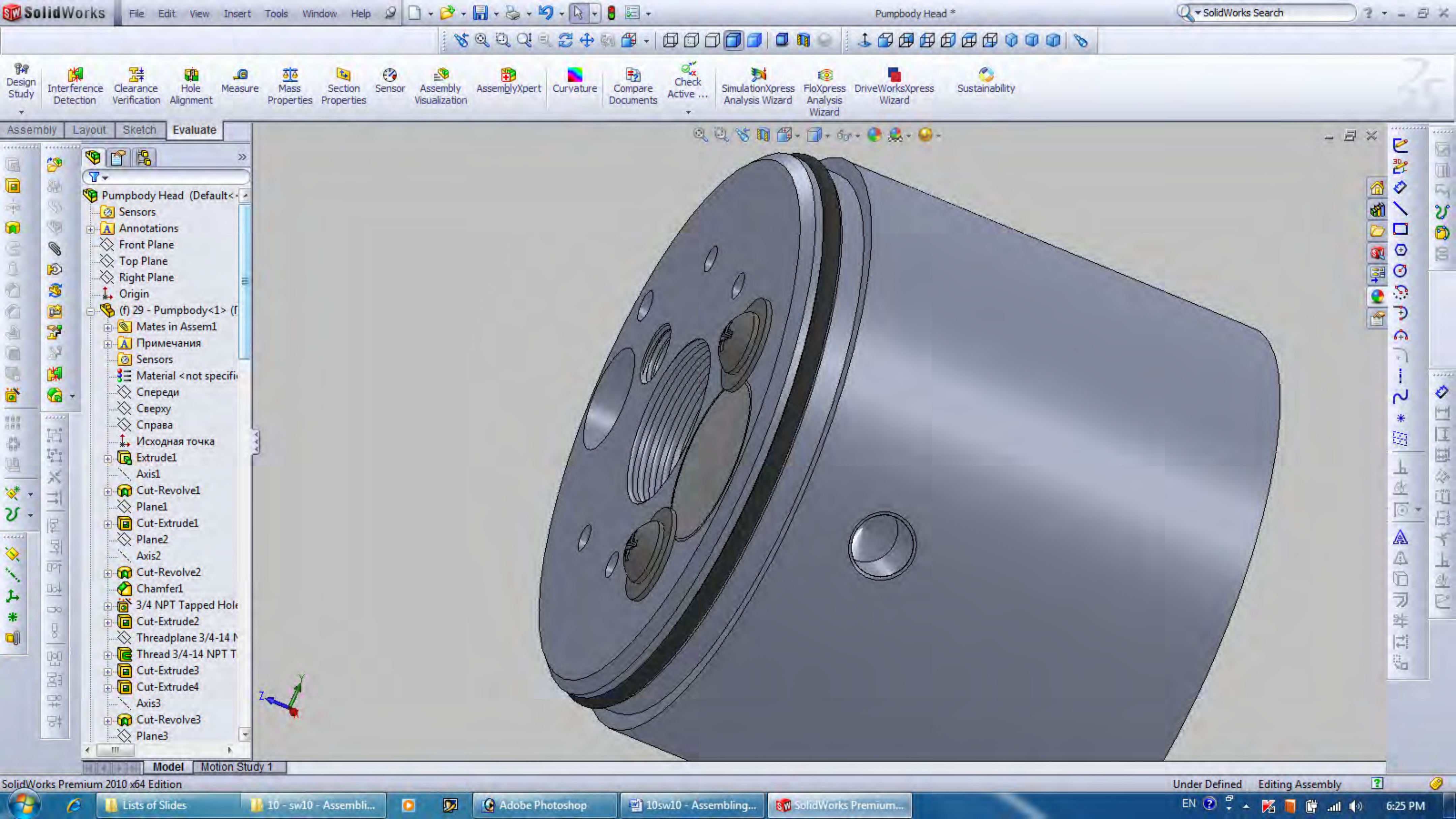




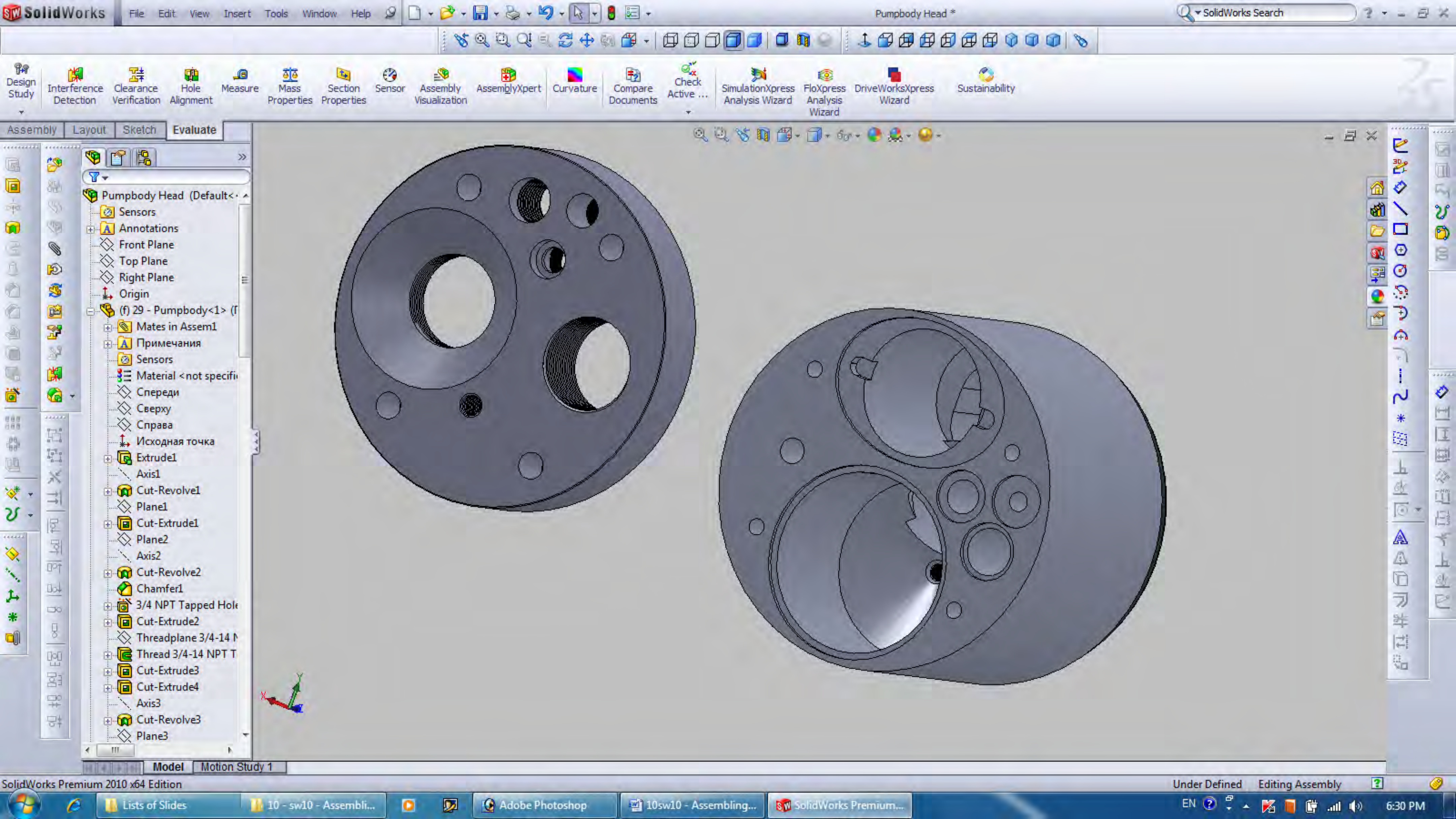




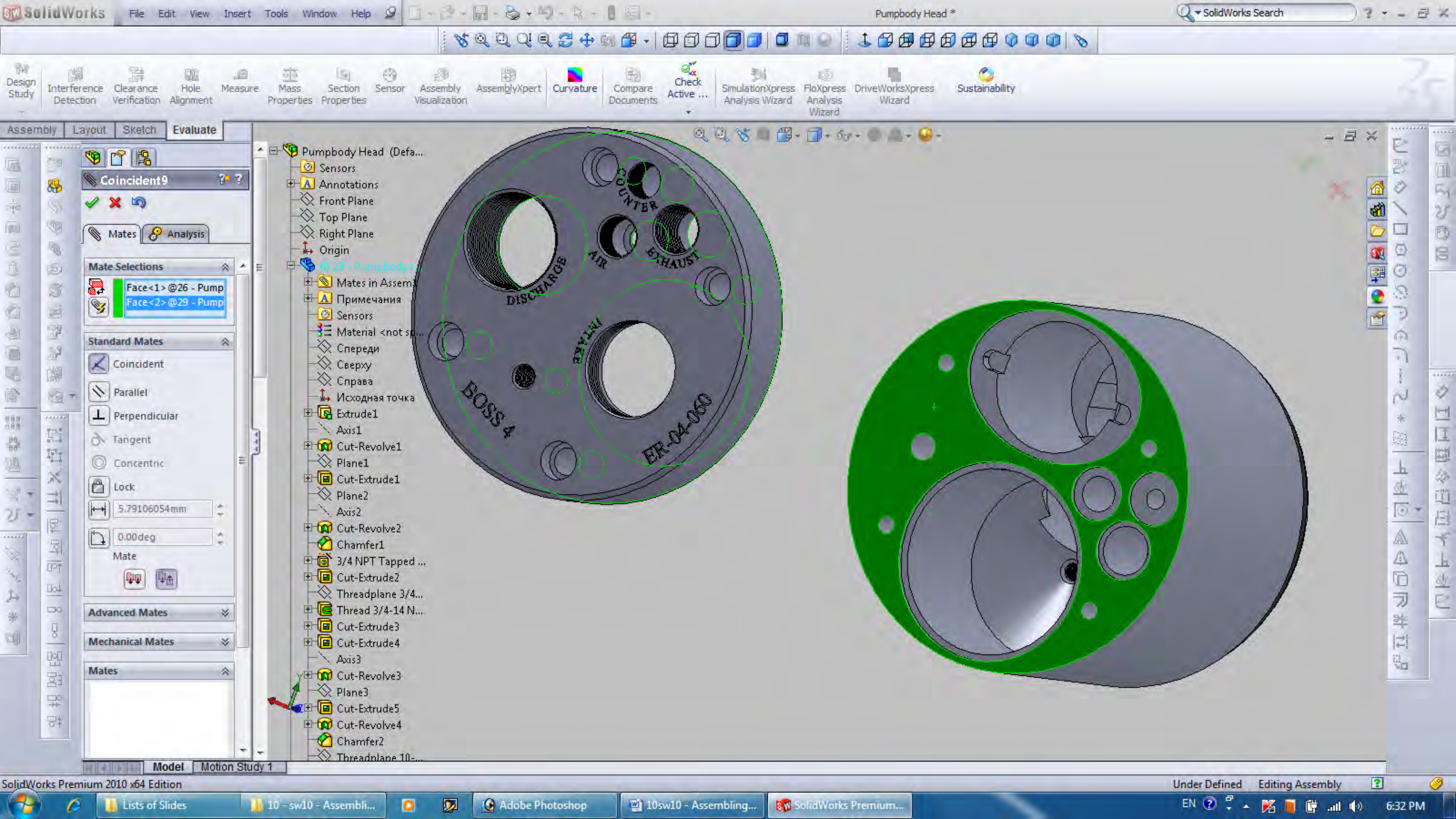












**Coincident9**

✓ ✗ ↺

Mates Analysis

**Mate Selections**

Face<1>@26 - Pump  
Face<2>@29 - Pump

**Standard Mates**

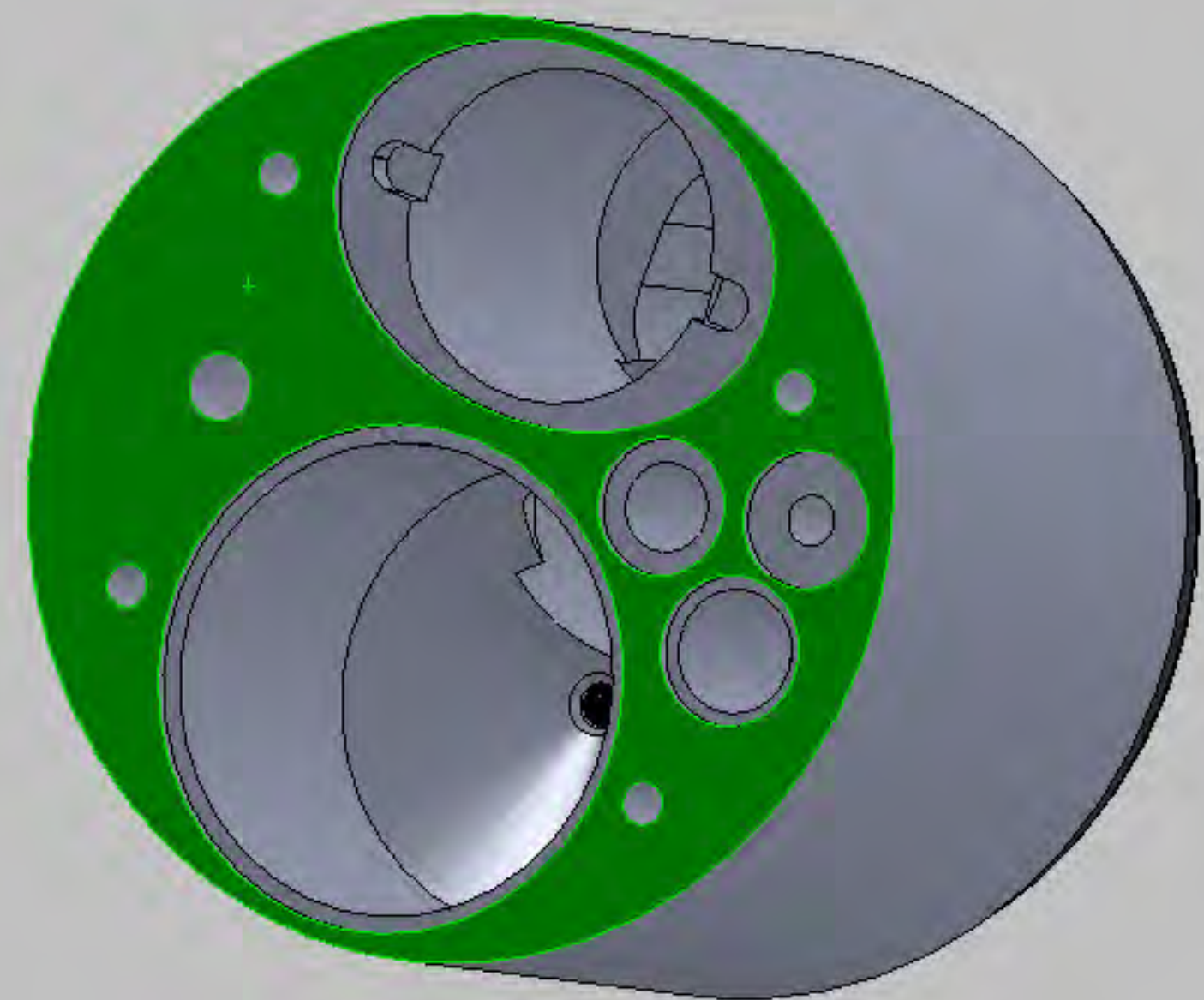
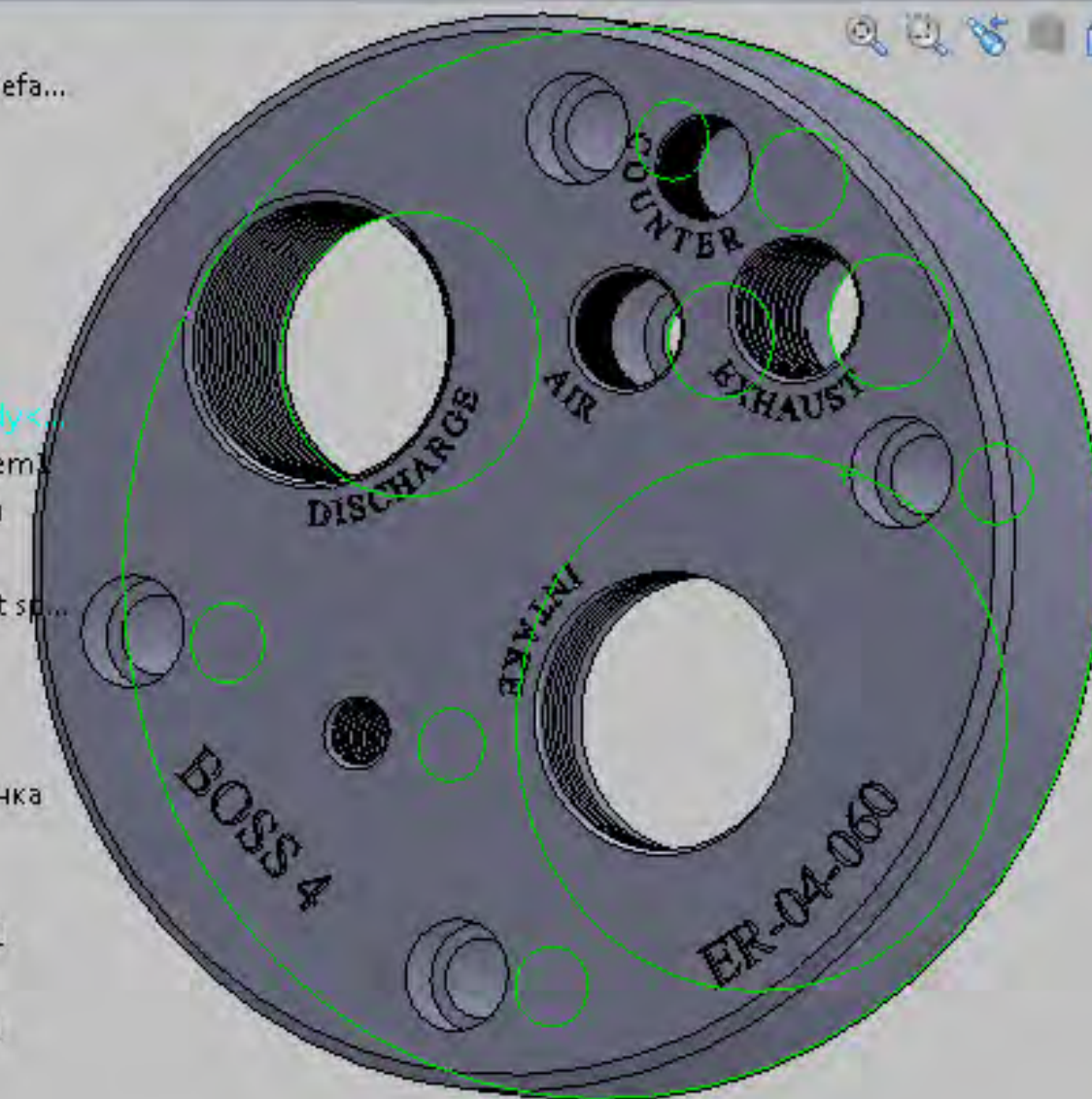
Coincident  
Parallel  
Perpendicular  
Tangent  
Concentric  
Lock  
5.79106054mm  
0.00deg  
Mate

**Advanced Mates**

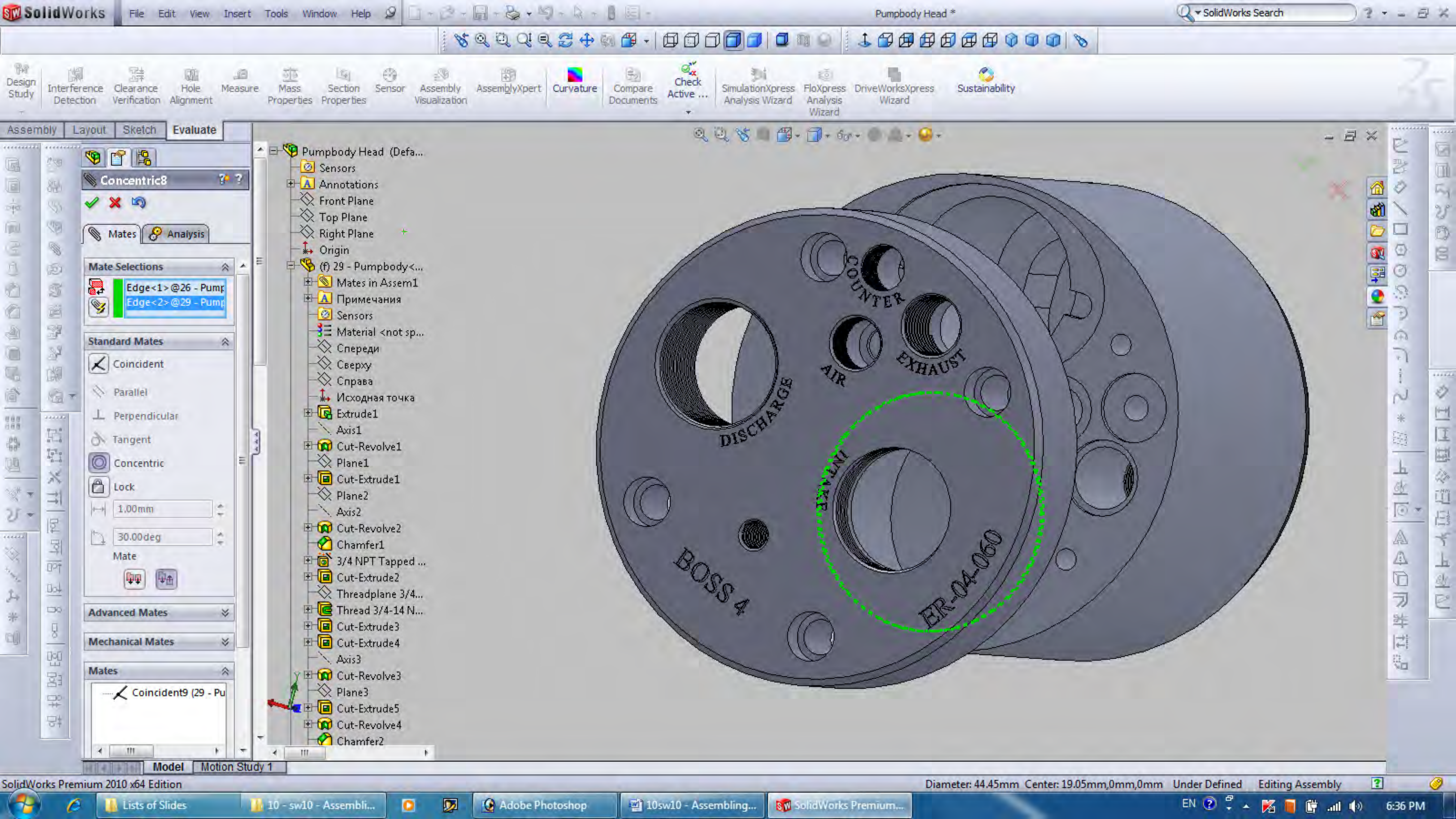
**Mechanical Mates**

**Mates**

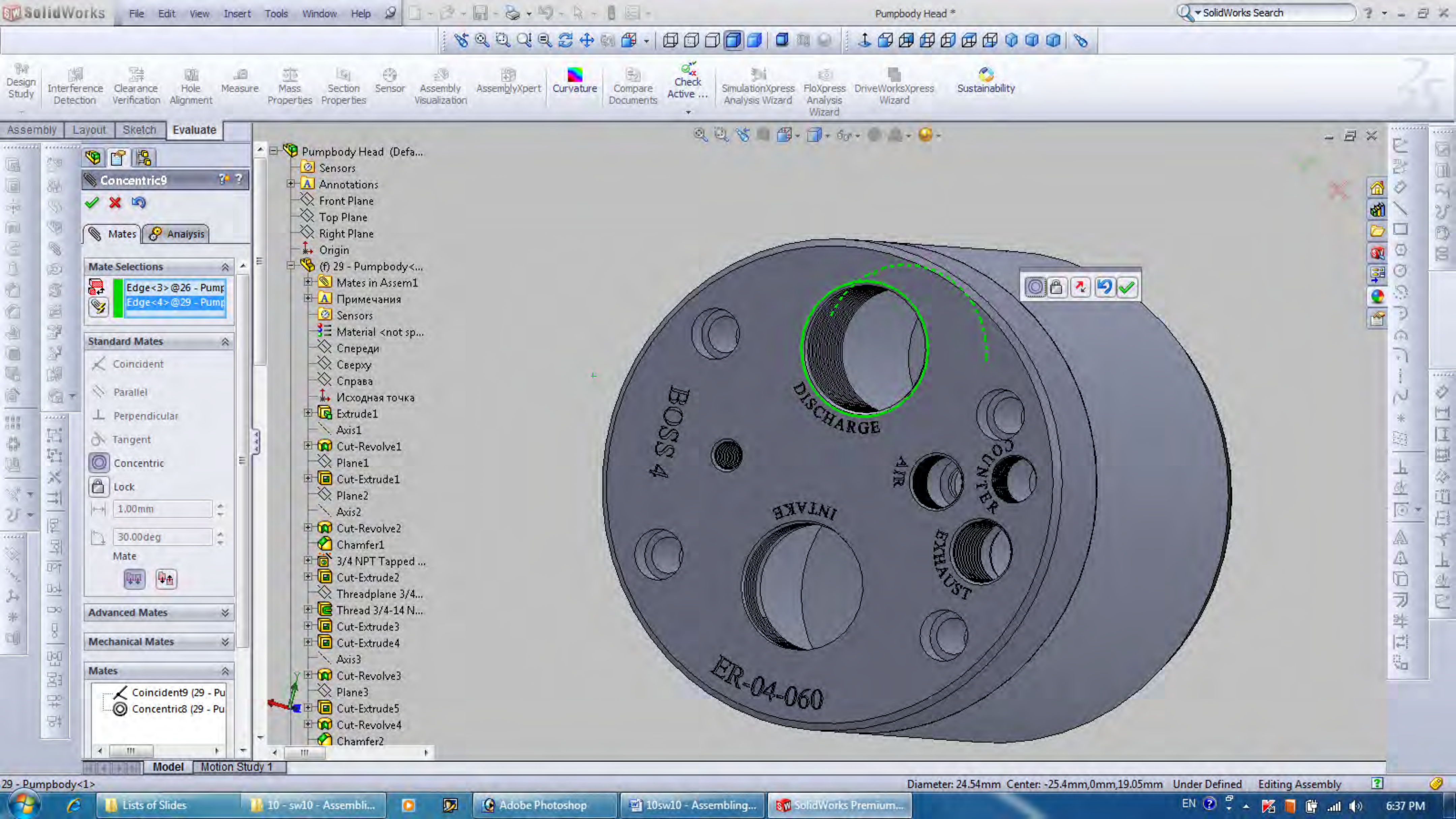
- Pumpbody Head (Defa...
- Sensors
- Annotations
- Front Plane
- Top Plane
- Right Plane
- Origin
- 29 - Pumpbody...
- Mates in Assem...
- Примечания
- Sensors
- Material <not sp...
- Спереди
- Сверху
- Справа
- Исходная точка
- Extrude1
- Axis1
- Cut-Revolve1
- Plane1
- Cut-Extrude1
- Plane2
- Axis2
- Cut-Revolve2
- Chamfer1
- 3/4 NPT Tapped ...
- Cut-Extrude2
- Threadplane 3/4...
- Thread 3/4-14 N...
- Cut-Extrude3
- Cut-Extrude4
- Axis3
- Cut-Revolve3
- Plane3
- Cut-Extrude5
- Cut-Revolve4
- Chamfer2
- Threadplane 10...



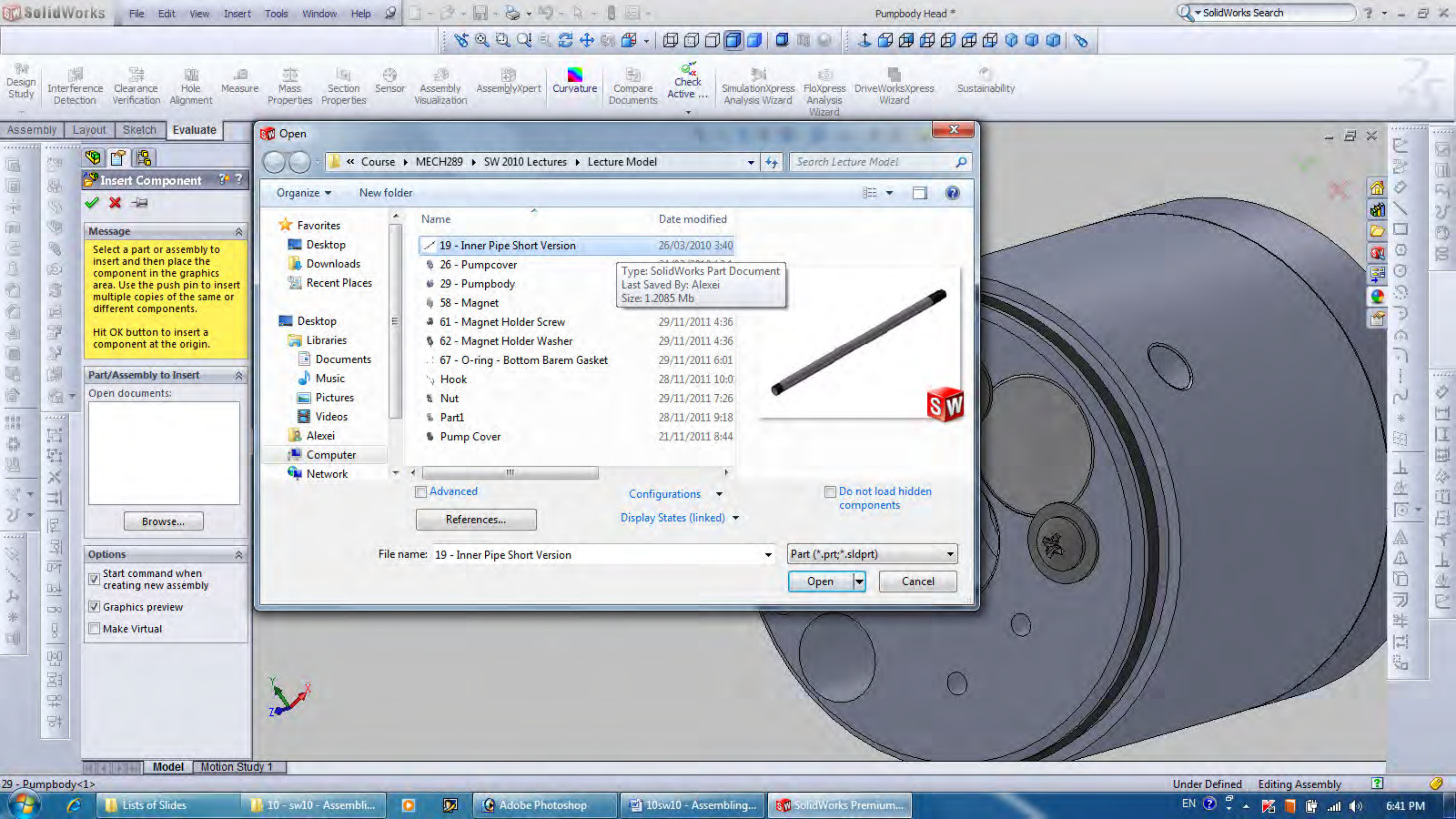












## Insert Component

## Message

Select a part or assembly to insert and then place the component in the graphics area. Use the push pin to insert multiple copies of the same or different components.

Hit OK button to insert a component at the origin.

## Part/Assembly to Insert

Open documents:

## Options

- ☒ Start command when creating new assembly
- ☒ Graphics preview
- ☐ Make Virtual

## Open

&lt;&lt; Course &gt;&gt; MECH289 &gt;&gt; SW 2010 Lectures &gt;&gt; Lecture Model

Search Lecture Model

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Name	Date modified
19 - Inner Pipe Short Version	26/03/2010 3:40
26 - Pumpcover	
29 - Pumpbody	
58 - Magnet	
61 - Magnet Holder Screw	29/11/2011 4:36
62 - Magnet Holder Washer	29/11/2011 4:36
67 - O-ring - Bottom Barem Gasket	29/11/2011 6:01
Hook	28/11/2011 10:0
Nut	29/11/2011 7:26
Part1	28/11/2011 9:18
Pump Cover	21/11/2011 8:44

Type: SolidWorks Part Document  
Last Saved By: Alexei  
Size: 1.2085 Mb

☐ Advanced

Configurations

☐ Do not load hidden components

References...

Display States (linked)

File name: 19 - Inner Pipe Short Version

Part (\*.prt;\*.sldprt)

Open

Cancel



