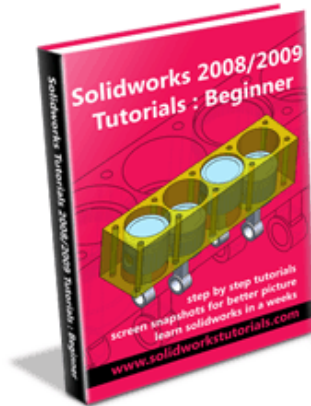


This Solidworks tutorial  
composes using the exact  
format and delivery as  
**Solidworks 2008/2009  
Tutorials : Beginner** e-book.

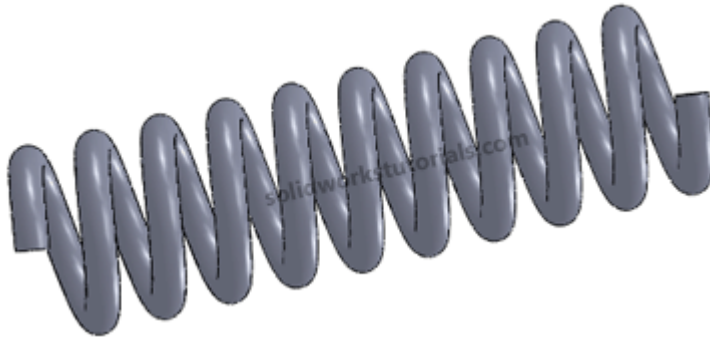



If you a beginner to  
Solidworks, I recommend  
you to get this e-book  
just for \$9.95 USD only

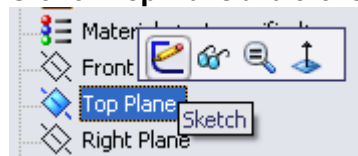


## Solidworks Tutorial #2: How to create simple spring

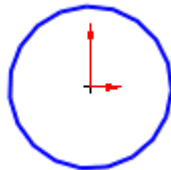
Spring is a common mechanical parts, there is compression,  
extension and torsion spring. Here is the basic design springs in  
Solidworks...




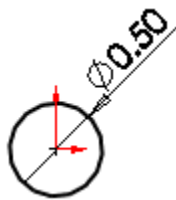
1. Click **New**,  click **Part**, **Part** **OK**.
2. Click on **Top Plane** and click **Sketch**.



3. Click **Circle** , sketch a circle center at origin.



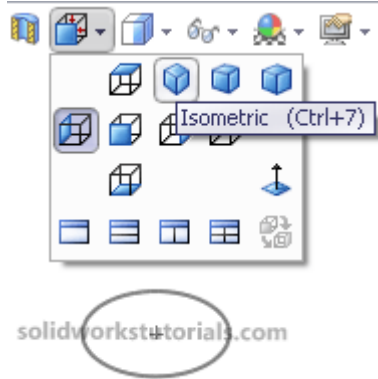
Click on **Smart Dimension**  and  
click on circle a dimension it to **0.5"**.



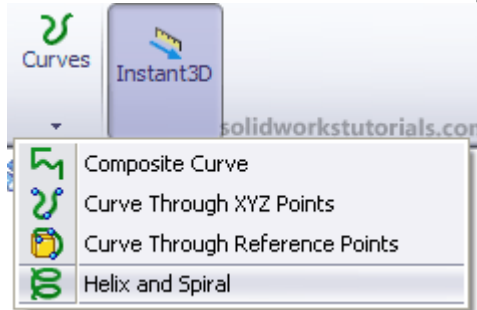
Click **Exit Sketch**.



4. Click on **View Orientation** and click on **Isometric**.




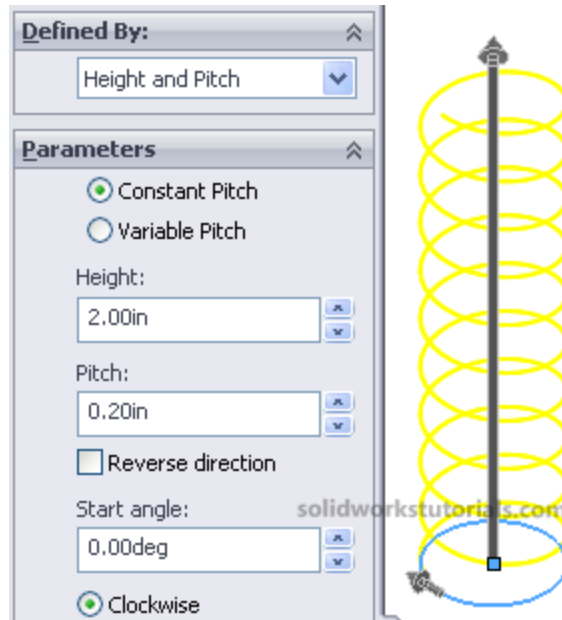
5. Click on **Features>Curves>Helix and Spiral**



and click on sketched circle as base diameter.



On its option set **Define By: Height and Pitch, Constant Pitch, Height: 2.0", Pitch: 0.2", Start Angle: 0, Clockwise** and .

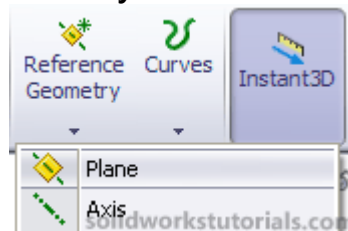


6. Click on spring bottom point



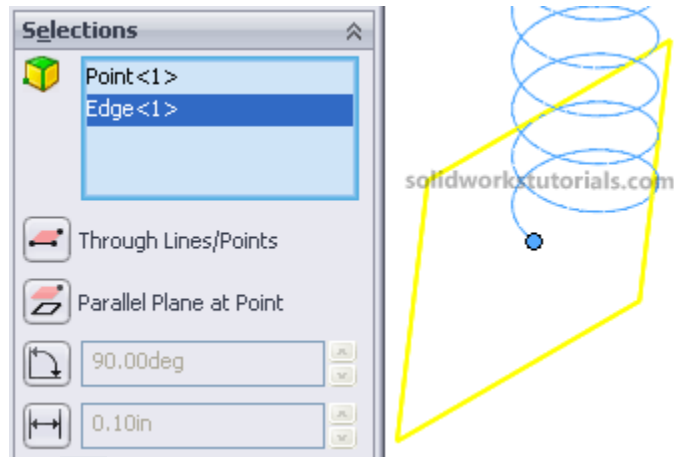
and click **Features>Reference**

**Geometry>Plane.**

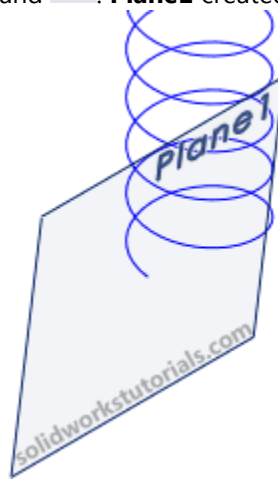


7. The following steps are to show you how to create a plane Normal To spring endpoint. Click on **helix** as a reference curve.

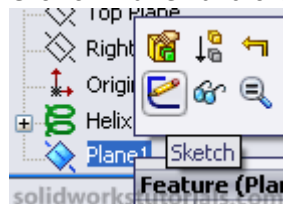




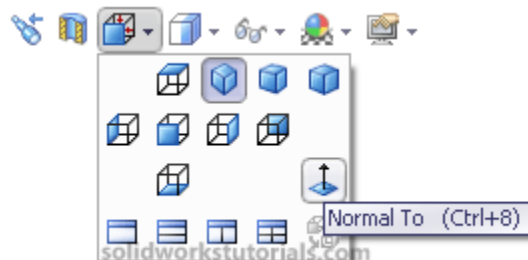
and  **Plane1** created.




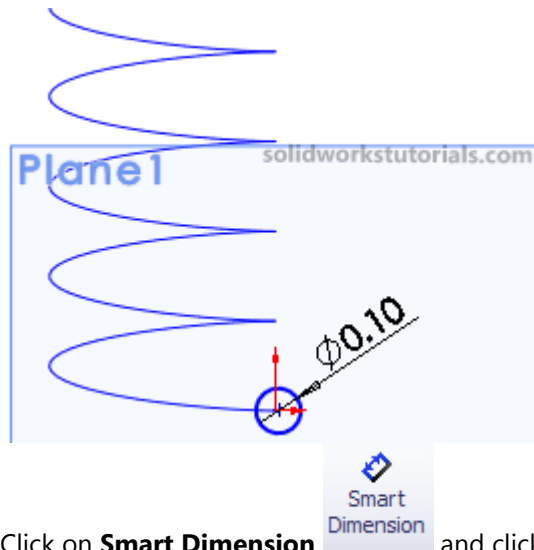
8. Click on **Plane1** and click **Sketch**.



Click **Normal To**.



Click **Circle**  and sketch a circle center at **endpoint of helix**,





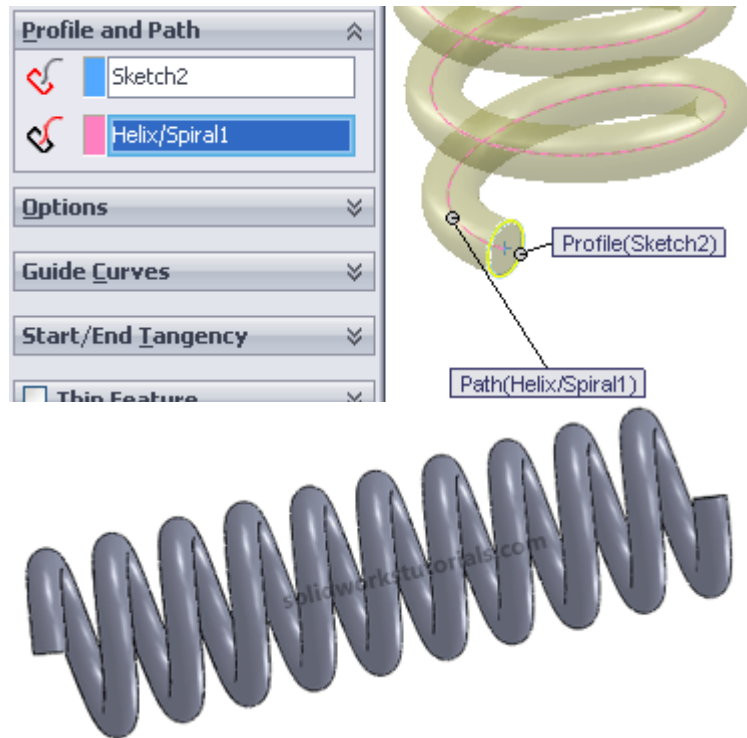
Click on **Smart Dimension** and click on circle a



dimension it to **0.1"**. Click **Exit Sketch**.



9. Click **Features>Swept Boss/Base**,  **Swept Boss/Base** for Profile and Path, click **circle sketch** for its profile and click **helix** for its path and .



10. Save  the drawing as **Spring** and you're done! and . Simple isn't it?

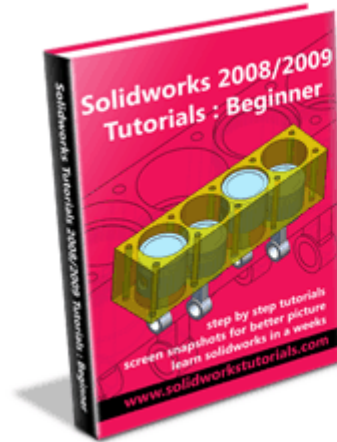
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