## **SolidWorks Practice 1**

#### 2006.2 CAD/CAM

#### CONTENTS LIST

- New SolidWorks Document
- Draw Top Layout
- Insert Part 1 (Guide.SLDPRT)
- Insert Part 2 (Handle.SLDPRT)
- Equation 1 (Handle Diameter)
- Equation 2 (Handle Offest)
- Equation 3 (Guide Depth)
- Edit Part (Handle.SLDPRT)
- Update Assembly

# New SolidWorks Document

**Document Setting** 

#### **Use English Language**

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시스템 옵션( <u>S</u> )		
의 일반 - 도면 - 기본 모서리선 유형 - 영역 해칭/채우기 - 색상 - 스케치 - 표시/선택 - 실행 - 대형 어셈블리 모드 - 외부 참조 - 기본 템플릿 - 파일 위치 - FeatureManager - 스핀 상자 가감 - 뷰 회전 - 백업	시작시 최근 사용된 문서 열기(0): 열지 않기 ▼ ✓ 치수 수치 입력(1) 신택하여 일회 명령(S) 지수명 보이기(H) ✓ 재생성시 오류 나타내기(W) 문서 열 때 최대화하기(M) ✓ 음영면 하이라이트 주기(U) ✓ Windows Explorer에 축소 그래픽 보이기(T) ✓ 치수 기입시 단위 구분자 사용(D) ✓ 혐머 사용(N) ✓ 작업 수행 집중 보내기(E) ✓ 확인 코너 사용(C) ✓ PropertyManager 자동으로 보이기 SolidWorks 문서에 eDrawings 데이터 저장(Y) ✓ eDrawings 저장시 SNL(네트워크 사용권)을 얻을 수 없으면 알려주기 설명으로 사용된 사용자 속성(C): Description ▼	
전부 원래대로( <u>B</u> )		
	확인 취소 도움말	

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4/76

#### **New Document**



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#### **New Assembly**



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#### **Document Properties**



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# Draw Top Layout

#### Retractor.SLDASM

#### **Sketch on Top Plane**





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#### **Sketch Mode**



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### **Top Layout**



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### **Top Layout**



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#### Linear Sketch Step and Repeat



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#### **Closed Loop**



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### **Top Layout**



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#### **Dimension Properties**



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### **Top Layout**

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#### Save Assembly

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## **Insert Part 1**

#### Guide.SLDPRT

#### **Insert New Part**

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#### Set the part on Assembly



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#### Sketch on Assembly Top





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#### **Convert Entities**





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#### Extrude



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#### Extrude



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#### **Dimension Properties**



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#### Save Part & Assembly





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## Insert Part 2

#### Handle.SLDPRT

#### **Insert New Part**



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#### Sketch on Assembly Top



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### **Delete Mating Condition**

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### Hide Part & Edit Part





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### **Sketch on Front Plane**





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### **Draw Sketch**



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### **Dimension Properties**



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# **Dimension Properties**



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### **Fixed Point**



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### Extrude



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### **Dimension Properties**

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# **Dimension Properties**

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#### Handle Diameter

# **New Equation**





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# **Select Dimension**

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# **Select Dimension**





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# **Active Equations**

#### CyDia@Sketch4@Handle.Part" = "Handle\_CyDia@Top Layout"



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# Equation 2

#### Handle Offest

# Add Equation

#### "CyOffset@Sketch4@Handle.Part" = "Handle\_CyOffest@Top Layout" + "Handle\_CyDia@Top Layout"

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### **Select Dimension**



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# **Select Dimension**





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# **Equation 3**

#### **Guide Depth**

# Add Equation

#### CyDepth@Extrude1@Handle.Part" = 0.2 + "Guide\_Depth@Extrude1@Guide.Part"



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#### Handle.SLDPRT

# **Open Part**







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### Sketch



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# **Dimension Properties**



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### Extrude



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# **Convert Entities**



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### Extrude





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# **Offset Entities**



67 / 76

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Offset Entities

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# **Dimension Properties**

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### Extrude





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# **Offset Entities**

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### Extrude



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### Fillet



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## Save Part





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73 / 76

# **Update Assembly**

#### Guide & Handle

### Update Assembly



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75 / 76

## To Be Continue..

On the Next Wednesday