ME 1403 Engineering Practice & Graphics

Spring 2018

Lecture 18

Instructor:

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Outline

- Topics
  - Annotation
    - Surface Finish
    - Hole Callout
    - Balloon Callout
    - Revision Cloud
    - Bill of Materials
  - Adding Sheet
- Home Works (Will be Graded)
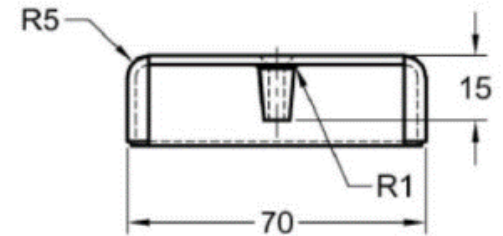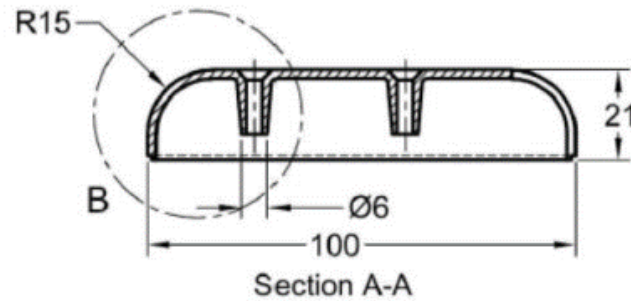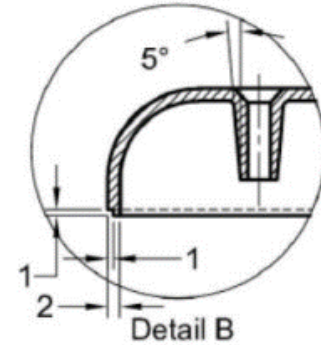 - Tutorial 1
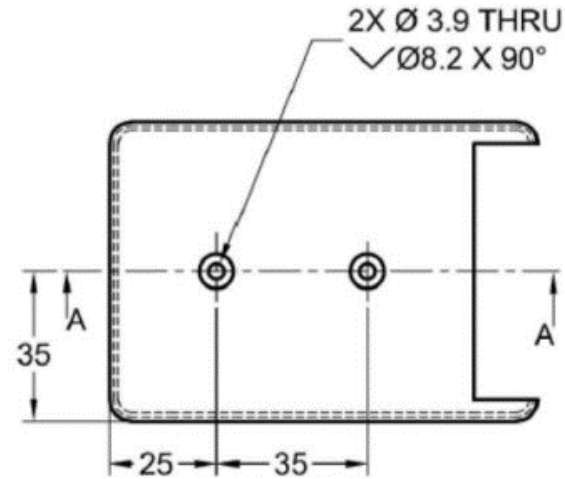 - Tutorial 2
  - Exercise 1

Reminder:
1. Save your file as PDF.
2. Edit Sheet Description Before submitting.

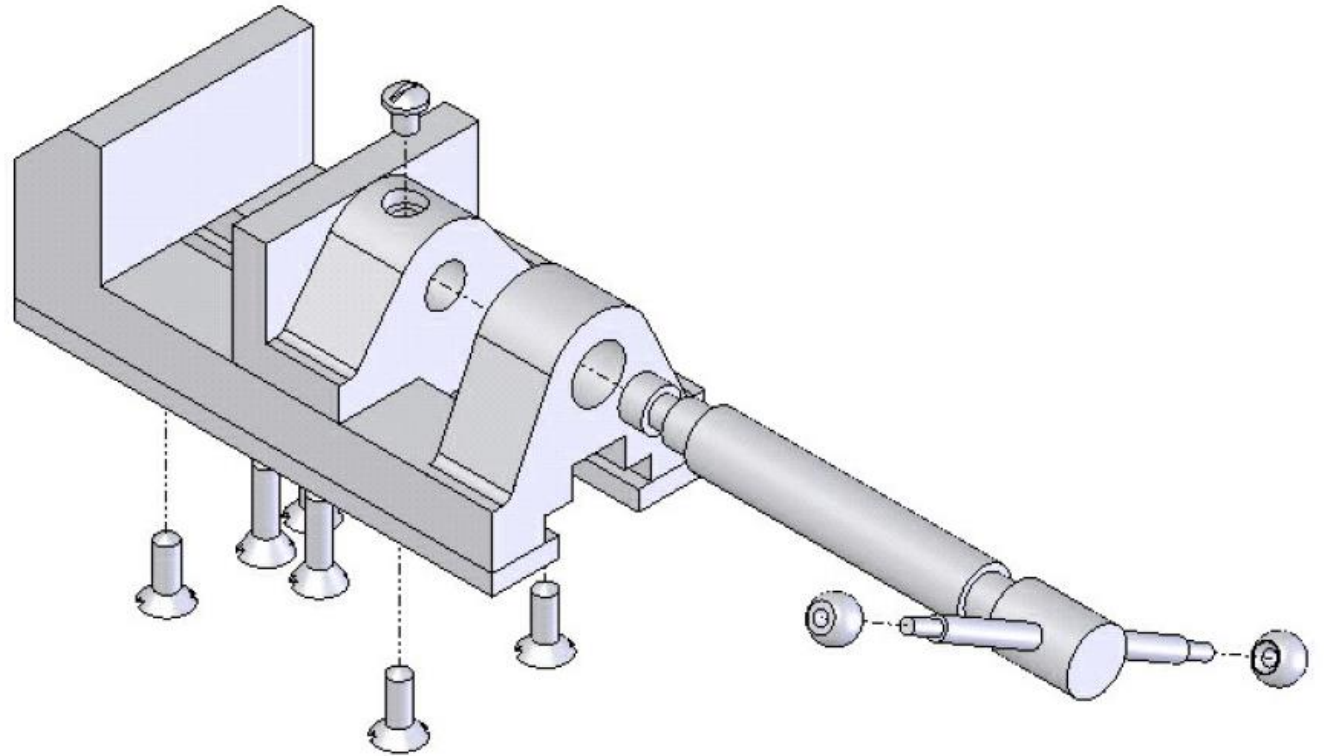# Chapter -14

Tutorial 1
(Will be Graded)

1) Open the Chapter 7 Tutorial 2 you have created in previous Homework

2) Create the Following

      a) Front View

      b) Right Side View

      c) Top View

      d) Detail View

2X Ø 3.9 THRU
Ø8.2 X 90°

35
25 35

5°
1
1
2
Detail B

R15
B
Ø6
100
Section A-A
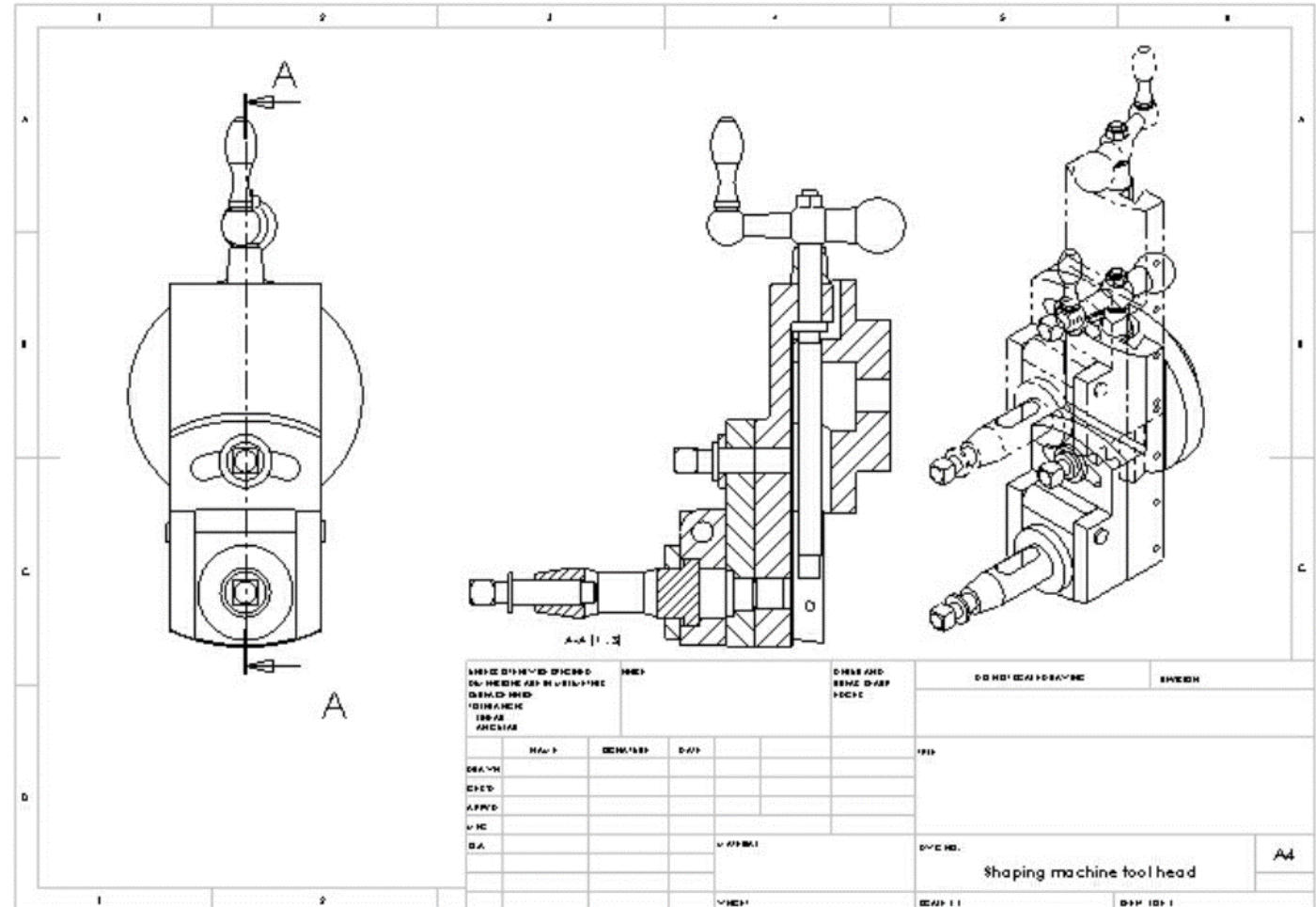21

R5
R1
70
15

Tutorial 2
(Will be Graded)

- Open the Vise bench you have created Separately
- Create Exploded Parts in Assembly
- Create the Drawing from Assembly
- Create the Following

      a) Front View

      b) Right Side View

      c) Top View

      d) Isometric View (Exploded)

      e) Section View

File Name: Your_Section_Your ID_ Ch14Tut2

Exercise 1
(Will be Graded)

- Open the Exercise 1 of Chapter 13 you have created previously.
- Create the Drawing from Assembly
- Create the Following
  - a) Front View
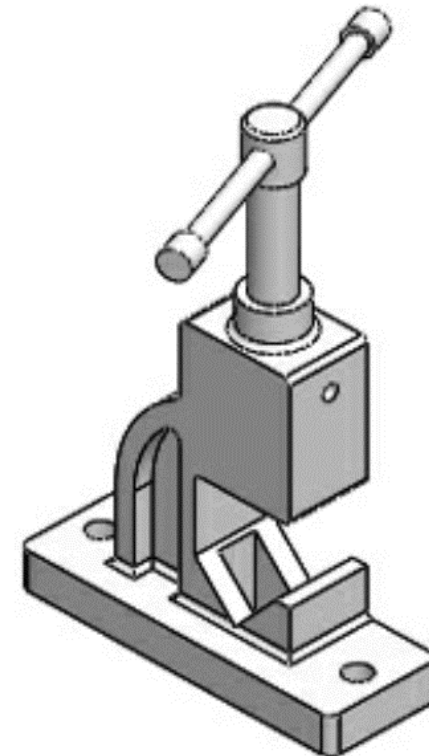 - b) Section View
  - d) Isometric View

Chapter -15

Tutorial 1 (Will be Graded)

In this tutorial, first you will open the drawing created in Tutorial 2 of Chapter 12 and then-

1. Generate dimensions and add annotations to it.
2. Change the display of the front and the right view to make hidden lines visible.
3. Finally, you will change the display of the isometric view to the shaded mode

Tutorial 2 (Will be Graded)

Generate the Bill of Materials (BOM) of the Bench Vice assembly and then add balloons to the isometric view in the exploded state

ITEM NO.	PART NUMBER	QTY.
1	vice-body	1
2	vice-jaw	1
3	screw-bar	1
4	base-plate	2
5	bar-globes	2
6	jaw-screw	1
7	clamping-plate	1
8	set-screw-2	2
9	oval-fillister	1
10	set-screw-1	4

SECTION A-A
SCALE 1 : 2

C14-tut02   A4

Exercise 1 (Will be Graded)

Generate the isometric view of the exploded view of the assembly created in Tutorial 1 of Chapter 13 on the standard A4 sheet format.

1. The scale of the view will be 1:5.
2. Generate the BOM and
3. Add balloons to the assembly view

Submission Rules

- Homework's are due **at the Monday 11.59 P.M.** of the following week (*More Discussion on next class*).

- Submit everything via **Blackboard**.

- Copying your assignments are **prohibited**. If you do so, you and the individual you copied from will receive a **grade zero**, plus both of you will be referred for actions as described in the university's policy for academic dishonesty. (Read Section 203 of the Student Code of Conduct 2013-2013 UTSA Information Bulletin.)