ME 1403 Engineering Practice & Graphics Spring 2018

# Lecture 17-B

Chapter-14

Instructor: Syed Hasib Akhter Faruqui

Email: shafnehal@gmail.com

## Outline

#### • Topics

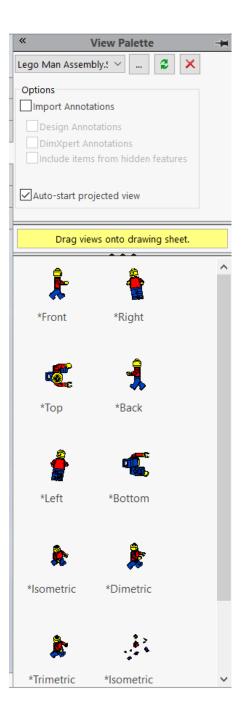
- Generating three Standard View
- Pre-defined view tool
- Projected Views
- Section Views
- Auxiliary Views
- Detail View
- Broken Views
- Today's Task
  - Practice 1
  - Practice 2

# Generating Three Standard View

S SOLIDW	ORKS	File	e Edit	V	liew				
Standard Model 3 View View	~								
View Layout	Annotati	on	Sketc	h	Eva				
	0			>					
📰 Lego Man Assembly									
Annotations									
✓ □ Sheet1									
Image: Sheet Format1									

Inse	ert Tools Window Help 🖈	D •	D	• 🔚 • 📇 • 🖄 • 💽 • 🛢 🖽
200	Model Items			
	Drawing View	Þ	3	Model
	Annotations	Þ	8	Projected
	Tables	÷	3	Auxiliary
	Sheet		12	Section
	Make Section Line		CA	Detail
	Object		ß	Relative To Model
	Picture		8	Standard 3 View
	Schematic			
3	Hyperlink			Broken-out Section
				Break
	DXF/DWG		<b></b>	Crop
	eDrawings Markup File		Fo	Alternate Position
	Customize Menu		$\square$	Empty
-			D	Predefined
				Customize Menu

9W		
Drawing View15	Ċ	?
Reference Configuration	^	^
Arrow	~	
Display State Display State-1	^	
Display Style Use parent style O High quality O Draft quality	^	
Scale Use parent scale Use sheet scale Use custom scale 1:1	~	
Dimension Type Projected True	^	

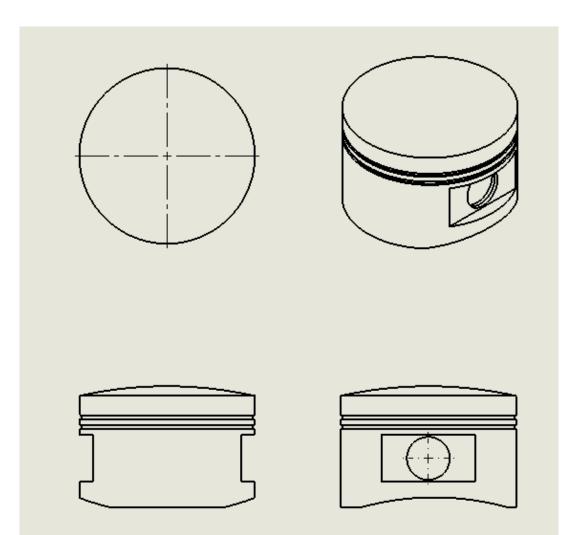


## Generating Three Standard View

S SOLIDWORKS File	Edit V	/iew	Insert Tools	Window Help	*	•	Ď .	· 🔚 • 🚔 • 🔊 • 🕞 • 🕄 🗄 🗇 •
		11	Model Ite	ems				
		ction	Drawing	View		Þ	3	Model
S View View View V	new V	/iew	Annotatio	ons		۱.		Projected
View Layout Annotation	Sketch	Eva	Tables			+		Auxiliary
0			Sheet				1	Section
	>		Make Sec	ction Line			(A	Detail
7			Object				ß	Relative To Model
📰 Lego Man Assembly			Picture				8	Standard 3 View
Annotations			Schemati	ic		1	10	Broken-out Section
▼ 🗊 Sheet1			🚷 Hyperlink	k				Break
Sheet Format1			DXF/DW	G				Crop
			eDrawing	gs Markup File				Alternate Position
			Customiz	ze Menu			$\square$	Empty
							D	Predefined
								Customize Menu

## Other Views

S SOLIDW	ORKS Fi	le Edit	Vie	ew [	Inse	ert Tools	Window	Help	*	•	Ď	• 🔚 • 📇 • 🔊 • 💽 • 🕄 🗉 🗇 •
8.	BED			þ	2	Model Ite	ems					
	-	Auxiliary		tion		Drawing	View			×	3	Model
3 View View	View	View	VI	ew		Annotatio	ons			Þ	8	Projected
View Layout	Annotation	Sketc	h	Eva		Tables				Þ		Auxiliary
	0					Sheet					1	Section
			>			Make Sec	tion Line				CA	Detail
7						Object					ß	Relative To Model
📰 Lego Man Assembly				Picture						8	Standard 3 View	
Annotations				<b>3</b>	Schematic Hyperlink				1	Broken-out Section		
▼ 🗊 Sheet1				ംഗ						Δŷ	Break	
Sheet Format1					DXF/DW0	G				<b>#</b>	Crop	
Interpretending Strength Provide Market Strength Pr					eDrawings Markup File					Alternate Position		
Brawing View2				Customize Menu Empty				Empty				
Image: Provide the section of the	on View A-A				-						D	Predefined
🕨 🕨 🕽 Sectio	on View B-B											Customiza Manu
🕨 🕼 Detai	l View C (2 : 1	1)									_	Customize Menu
b 🖄 Drowi	ing Viou6											SECTIC

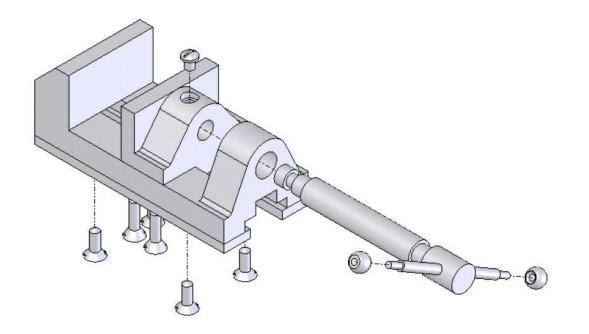


#### Practice 1

 1) Open the piston head you have created in last Tutorial
 2) Create the Following

- a) Front View
- b) Right Side View
- c) Top View
- d) Isometric View
- e) Create a section view on the

isometric view (Any location)



#### Practice 2

- 1) Open the Vise bench you have created Separately
- 2) Create Exploded Parts in Assembly
- 3) Create the Drawing from Assembly
- 4) Create the Following
  - a) Front View
  - b) Right Side View
  - c) Top View
  - d) Isometric View
  - e) Section View
  - f) Detail View