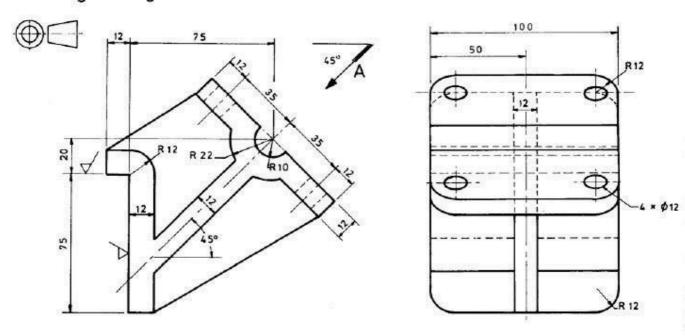
7 – Additional Techniques

By following this tutorial, you will learn how to:

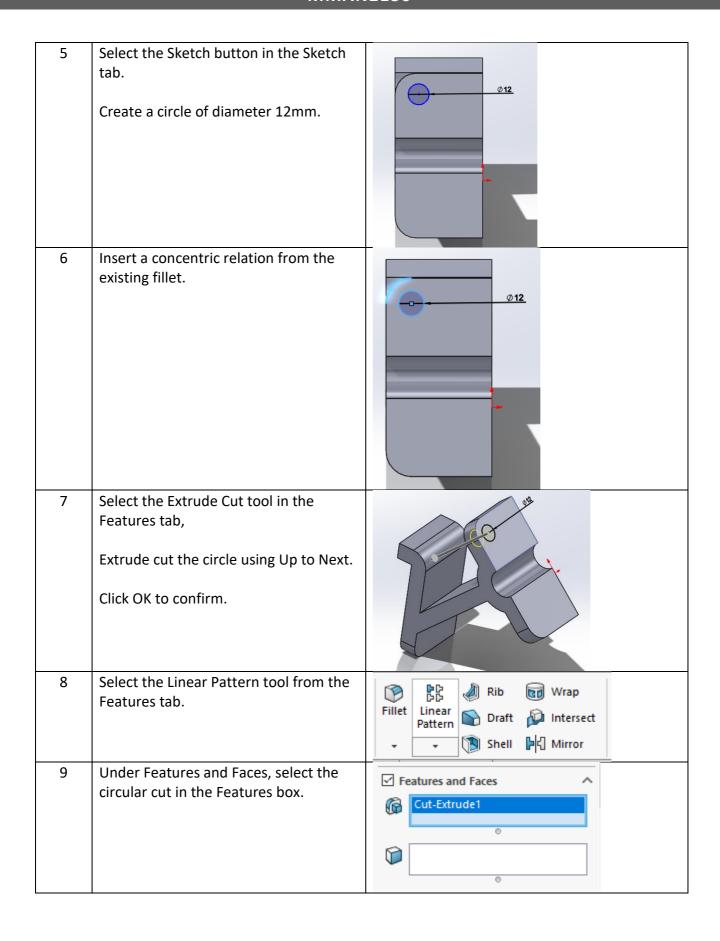
- 1. Create a pattern
- 2. Use the rib tool
- 3. Use the mirror tool
- 4. Create an auxiliary view

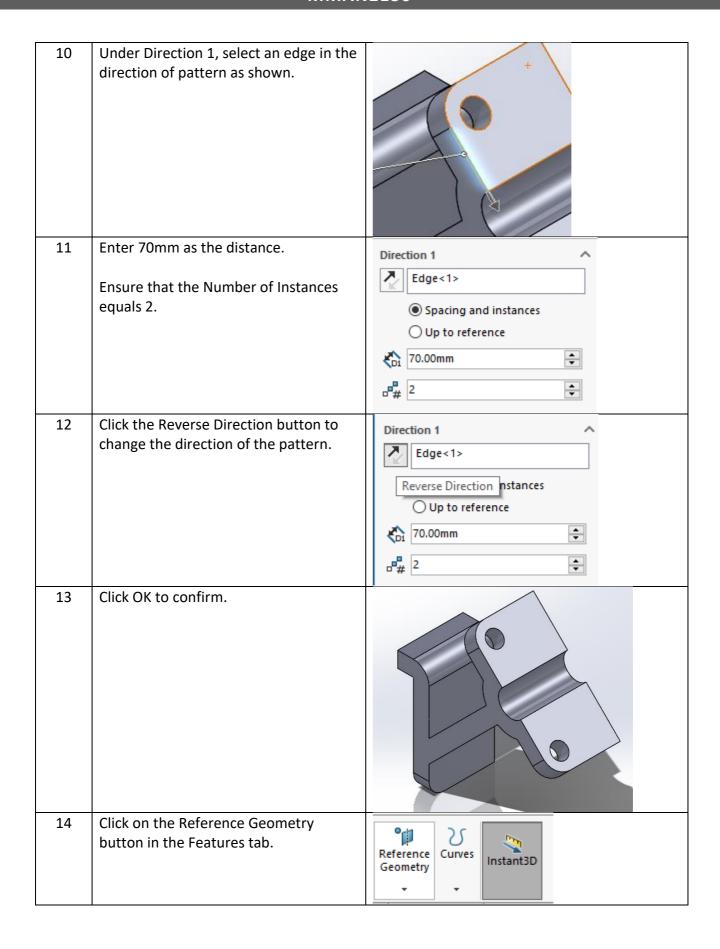
To illustrate these techniques, the following example will be used.

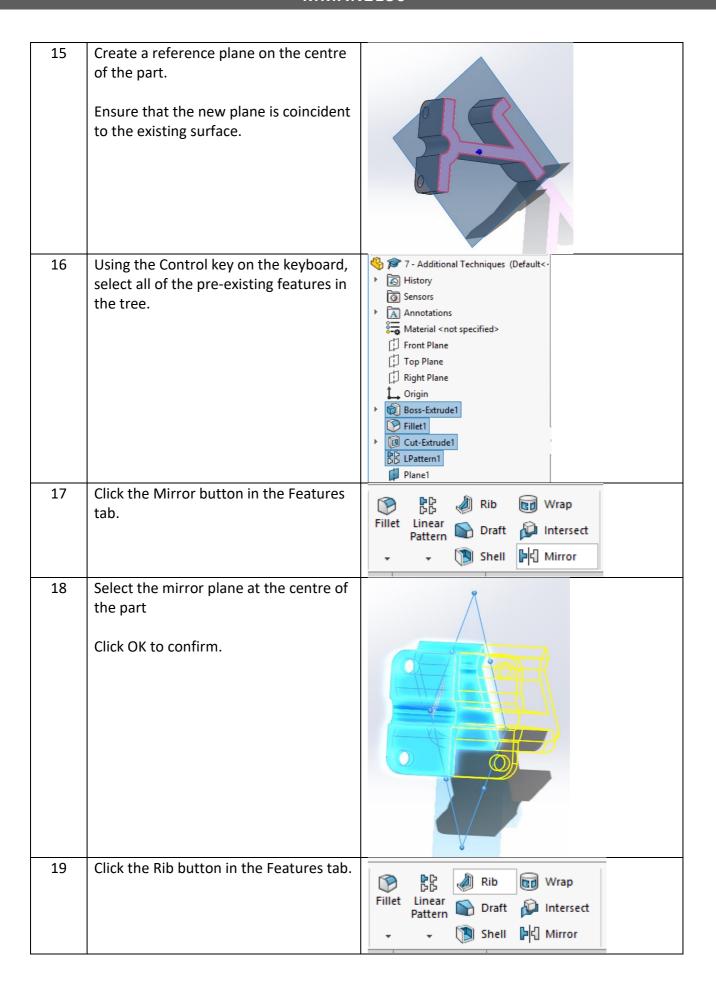
Angle bearing bracket



	Insert and move parts in an assembly				
No.	Instruction	Screenshot			
1	Open a new part file. Create the front view of the part as shown.	12 75 020 044			
2	Extrude the sketch to half of the total length (50mm).	2000			
3	Create the 12mm fillets using the Fillet tool.				
4	Change the View Orientation to Normal To the angled surface	+			

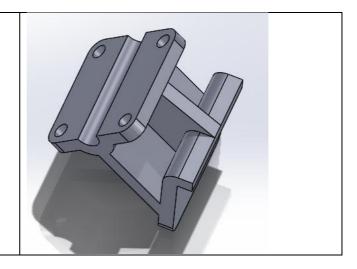






20 Select the plane at the centre of the part. 21 Change the View Orientation to Normal Plane1 To the centre plane. 22 Create a line to represent the location of the rib. Click the Exit Sketch button to exit the sketch. 23 Under Thickness, select Both Sides. ? Rib1 Change the thickness to equal 12mm. **Parameters** Ensure the Extrusion direction if Parallel to Sketch. 12.00mm **^** Ensure the material side is towards the Extrusion direction: part. Flip material side Click OK to confirm. 1.00deg * **Selected Contours**

24 Repeat the process on the other side.

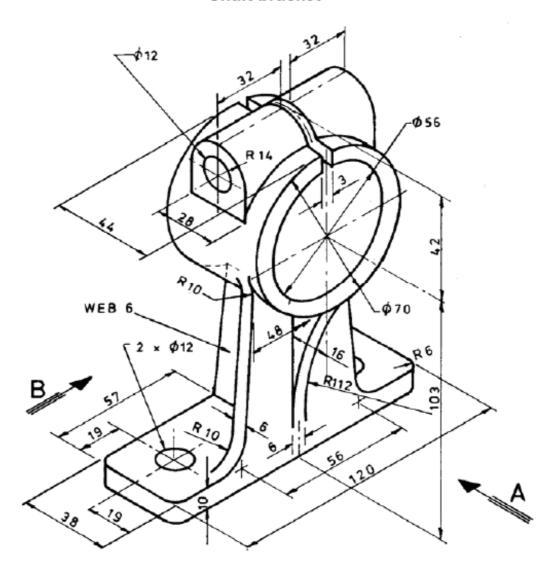


Create an auxiliary view				
No.	Instruction	Screenshot		
1	Create a new A4 landscape drawing.	New SOLIDWORKS Document X MBD Tutorial UNSW TEMPLATES		
		part - as1100 assembly as - as1100 - as as1100 - as as1100 - as110		
		Novice P Tutorials OK Cancel Help		
2	Create the front and right side view of the angle bearing bracket made above.	SCHOOL OF MECHANICAL AND MANUFACTURING ENGINEERING - UNSWITTED THAT STREET FAMILY TO THE STRE		
3	Click the Auxiliary View button in the View Layout tab.	Standard Model Projected Auxiliary View View View Layout Annotation Sketch		

4	Select the Reference Edge to create the Auxiliary View.	
5	Place the Auxiliary View in an appropriate location. Ensure you meet the AS standards when creating an Auxiliary View.	VIEW D

Exercises:

Shaft bracket



FRONT VIEW

SIDE VIEW