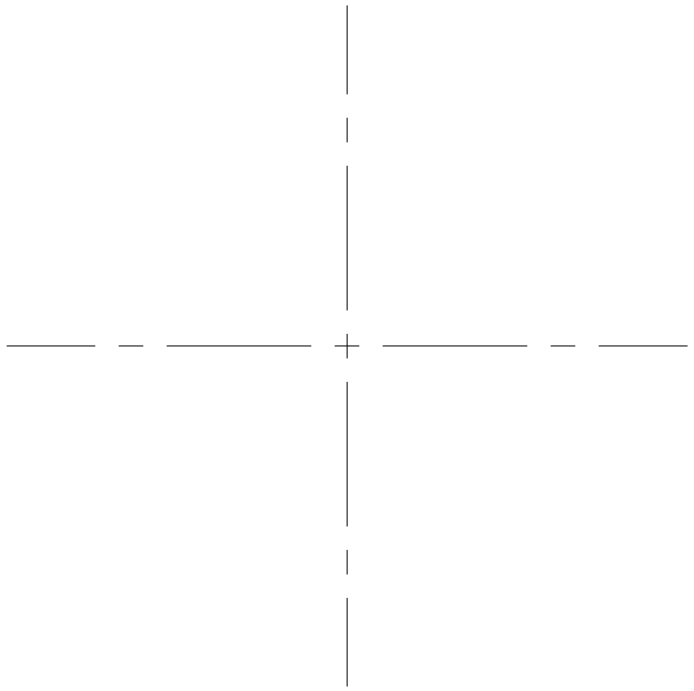
STAPLE



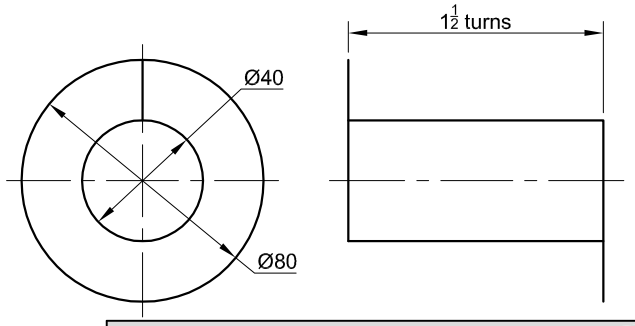
QUESTION 2.1: HELIX (AUGER)

Given:

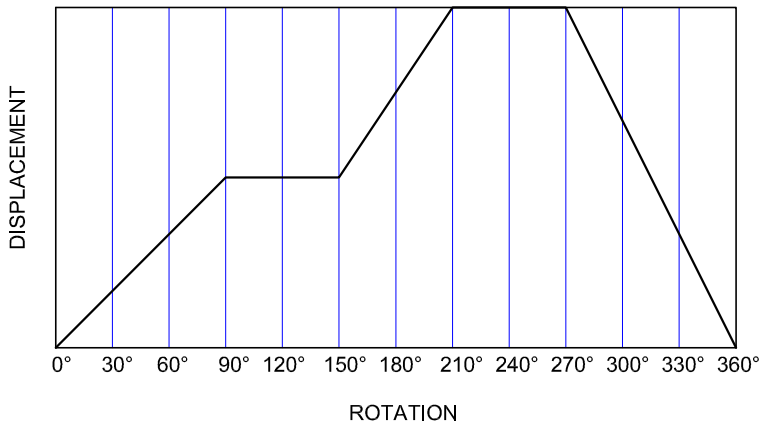
- The left view and incomplete front view of a right handed auger.
- The centre lines for the left view as a reference point.

Instructions:

- Copy the left view and construct the front view of a one and a half turn, right handed auger.
- The pitch is 48 mm.
- Start at the left top position.
- Show ALL necessary construction. **[24]**



ASSESSMENT CRITERIA				
1 COPY + CONSTR' + DIRECTION + CL	6			
2 OUTSIDE HELIX	9			
3 INSIDE HELIX	6			
4 SHAFT + ENDS	3			
SUB TOTAL	**24**			



QUESTION 2.2: LOCI (CAMS)

Given:

- The displacement graph of an industrial cam.
- The minimum cam radius is 10 mm.
- The cam rotates clockwise.

Instructions:

- Project and draw the cam profile that would generate the given motion. Indicate the degrees on the cam profile. The arrow indicating the direction of rotation must be shown.
- Show ALL necessary construction. **[18]**

ASSESSMENT CRITERIA				
1 ARROW + MIN RADIUS + DEGREE + CL	4			
2 CONSTRUCTION	3			
3 CAM POINTS	6			
4 CURVE + QUALITY	5			
SUB TOTAL	**18**			
TOTAL	**42**			

NAME	
NAME	3

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