

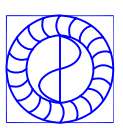
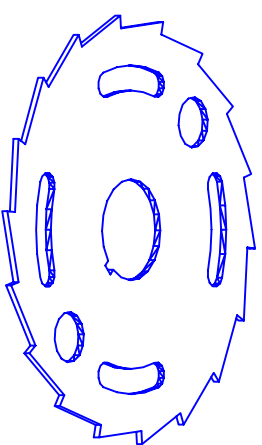
SCALE = 1:3

3D DRAWING SET-UP INSTRUCTIONS

1. "EXTRUDE" the 2D shape by 0.125 (1/8") inches.
2. Be sure to create the holes as shown.
3. Assumptions for questions below:
Steel density: 0.283 lbs/cubic inch
Steel price: \$0.38/lb.
Waste Material: 20%

3D DRAWING QUESTIONS

1. The volume of the 3D Solid is:
a. 5.359 cu. ins. b. 5.935 cu. ins. c. 5.595 cu. ins. d. 5.195 cu. ins. e. 5.395 cu. ins.
2. What is the cost of steel for 100 pieces of the part with the assumptions shown in note 3 above?
a. \$ 69.26 b. \$ 96.62 c. \$ 66.92 d. \$ 69.62 e. \$ 69.12
3. The weight of one piece is:
a. 1.53 lbs. b. 1.35 lbs. c. 1.73 lbs. d. 1.65 lbs. e. 1.85 lbs.
4. The total "TIME" you have spent creating this part is: _____
5. The start Date/Time for version of this drawing is: _____
6. Use the "SCALE" command to increase the part's size by a factor of 1.2. The new volume of the part is:
a. 9.232 cu. ins. b. 9.322 cu. ins. c. 9.352 cu. ins. d. 9.522 cu. ins. e. 9.622 cu. ins.



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DWG TITLE		SAW BLADE	
CLIENT	THE EKHO INSTITUTE	Answers added, questions moved to model space, etc.	
DWNN BY	EKH	DATE:	03/05/13
CHKD BY	EKH	DATE:	2003/09/25
SCALE	1:1 on Letter size	SHEET	0F 1
DESIGNED BY:	EKH	PROJECT:	EH20030925
		DWG NO.:	
		DISK:	SERVER