



## OFFSET BRACKET

MATERIAL MI

SCALE Not to scale

DRAWN Jirapong

REVISIONS	DESCRIPTION	DESIGNER	DATE
1	Hole was $\varnothing 8$	M. SHOLAK	FEB. 3, 1988
2	Slot width was 16	K.DUNC	JAN. 12, 1988

## QUESTIONS

1. At what angle is the offset arm make to the body of the piece ?
2. What is the center to center of measurement of the length of the offset arm ?
3. Which radius forms the upper end of the offset arm?
4. Which radii form the lower end of the offset arm where it joins the body?
5. What is the width of the bolt slot in the body of the bracket?
6. What is the center to center length of this slot?
7. What was the slot width before revision?
8. Which radius forms the ends of the pad?
9. What is the overall length of this pad?
10. What is the overall width of this pad?
11. What is the radii of the fillet between the pad and the body?
12. What is the diameter of the shaft carrier body?
13. What is the diameter of the shaft carrier hole?
14. What is the distance from the face of the shaft carrier to the face of the pad?
15. What is the radii of the inside fillet between the arm and the body of the piece?
16. If M12 bolts are used in holding the bracket to the machine base, what is the clearance on each side of the slot?
17. If the center to center distance of the two M12 bolts which fit the slot is 38 mm, ho much play is there lengthwise in the slot?
18. What size of the oil hole is in the shaft carrier?
19. How far is the center of the oil hole from the face of the shaft carrier?
20. How thick is the combined body and pad?
21. Calculate distance R, S and T.
22. The hole in the shaft carrier was revised. What is the difference in size between the new and old hole?
23. How many dimensions are not to scale?
24. If 2 mm is allowed for each surface to be machined, what would be the overall thickness of the original casting?

## ANSWERS

- |           |           |            |
|-----------|-----------|------------|
| 1. _____  | 11. _____ | 21.R _____ |
| 2. _____  | 12. _____ | S _____    |
| 3. _____  | 13. _____ | T _____    |
| 4. _____  | 14. _____ | 22. _____  |
| 5. _____  | 15. _____ | 23. _____  |
| 6. _____  | 16. _____ | 24. _____  |
| 7. _____  | 17. _____ |            |
| 8. _____  | 18. _____ |            |
| 9. _____  | 19. _____ |            |
| 10. _____ | 20. _____ |            |