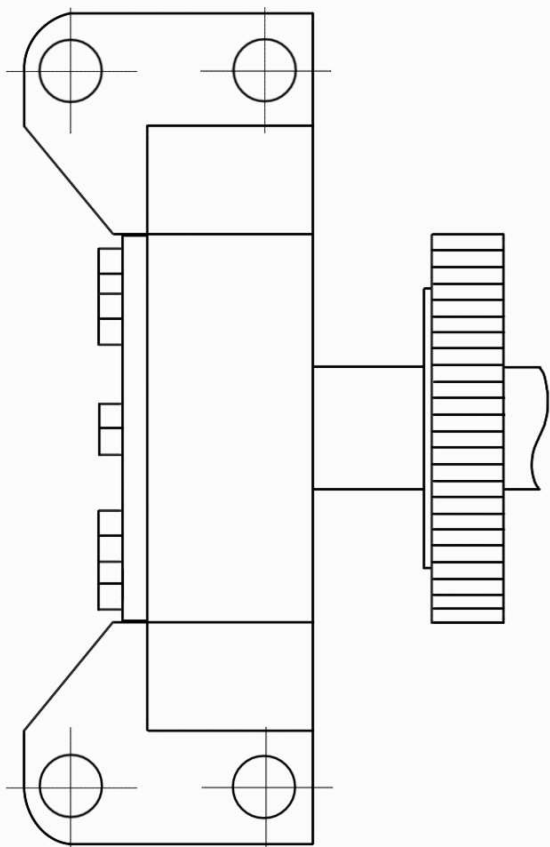
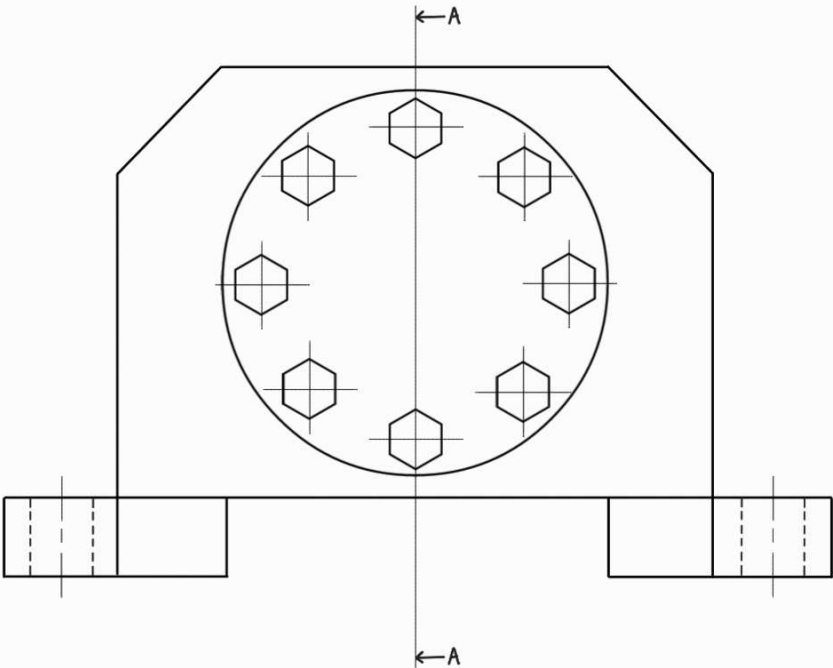
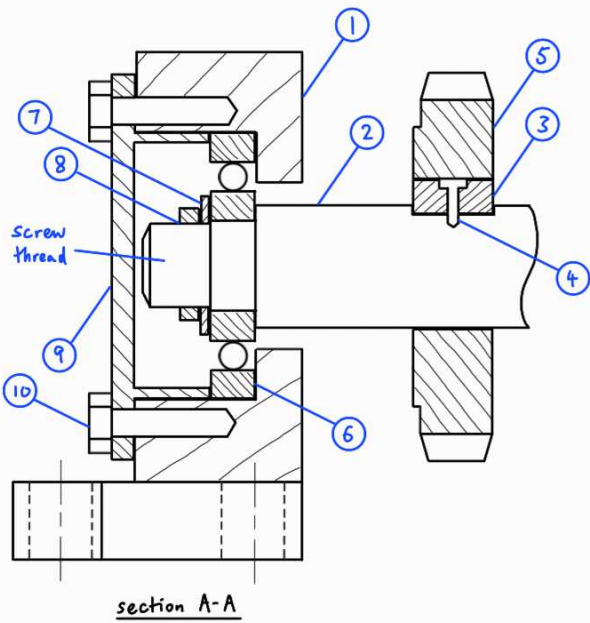
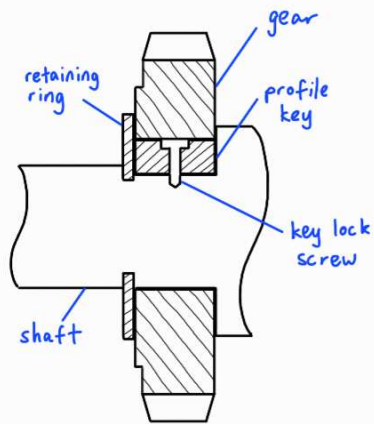


Task 1



| Part List |                      |     |
|-----------|----------------------|-----|
| Part No   | Name                 | Qty |
| 1         | Housing              | 1   |
| 2         | Shaft                | 1   |
| 3         | Profile Key          | 1   |
| 4         | Key Lock Screw       | 1   |
| 5         | Spur Gear            | 1   |
| 6         | Ball Bearing         | 1   |
| 7         | Bearing Lock Washer  | 1   |
| 8         | Bearing Lock Nut     | 1   |
| 9         | Bearing Retainer Cap | 1   |
| 10        | Hex Head Cap Screw   | 8   |

## Task 2



gear is located axially by shaft shoulder on right and retaining ring on left

### Assumptions:

shaft can withstand the torsion after adding the modifications (groove for retaining ring and shaft shoulder)