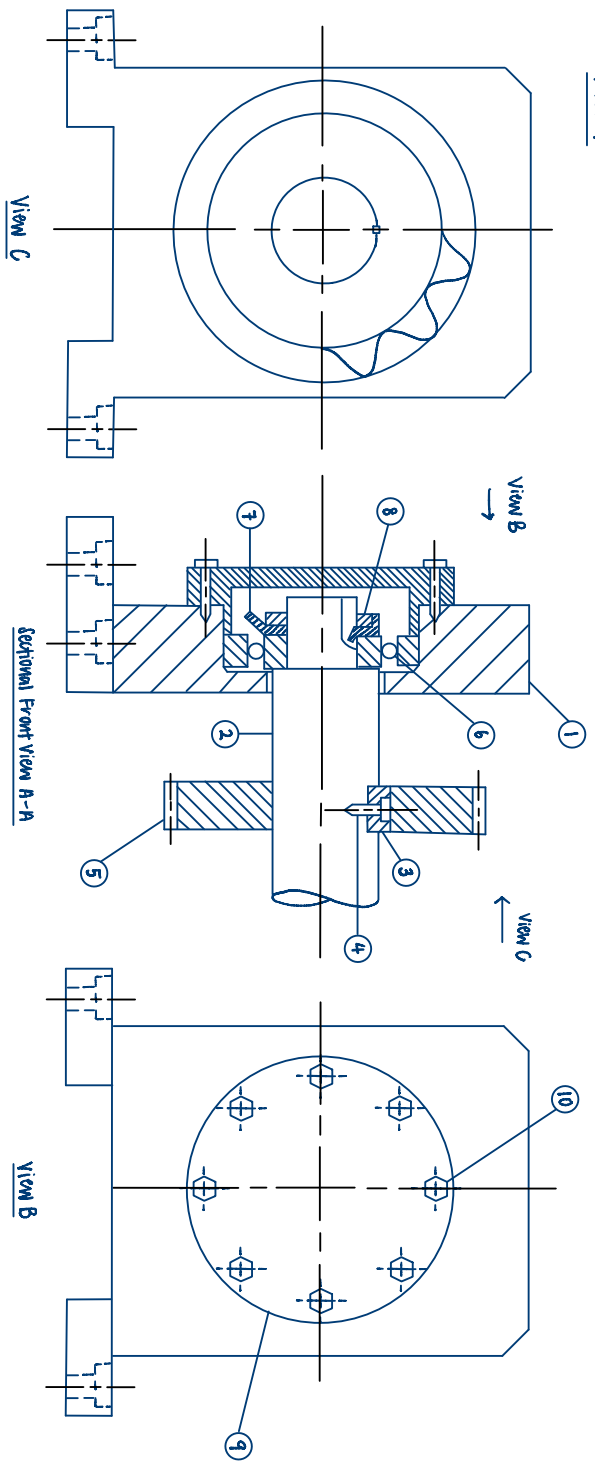


TASK 1

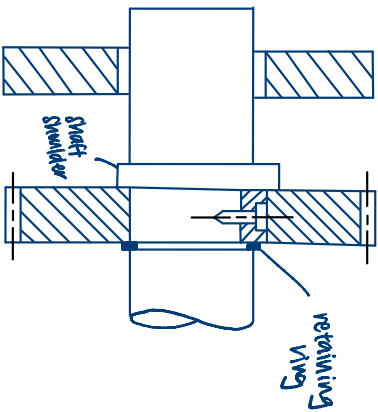


TASK 2

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

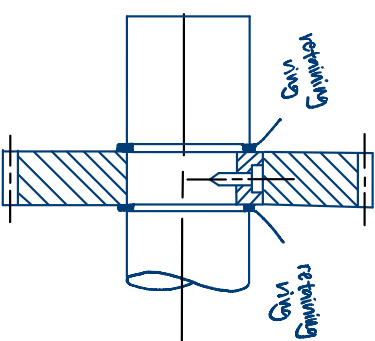
Design Modifications:

Solution ①:



- Gear can be located by the shaft holder on the left which prevents it from moving axially. The shaft diameter needs to be increased.
- A retaining ring can be located on the right side of the gear.

Solution ②:



- locate retaining rings on both left and right side of the gear.