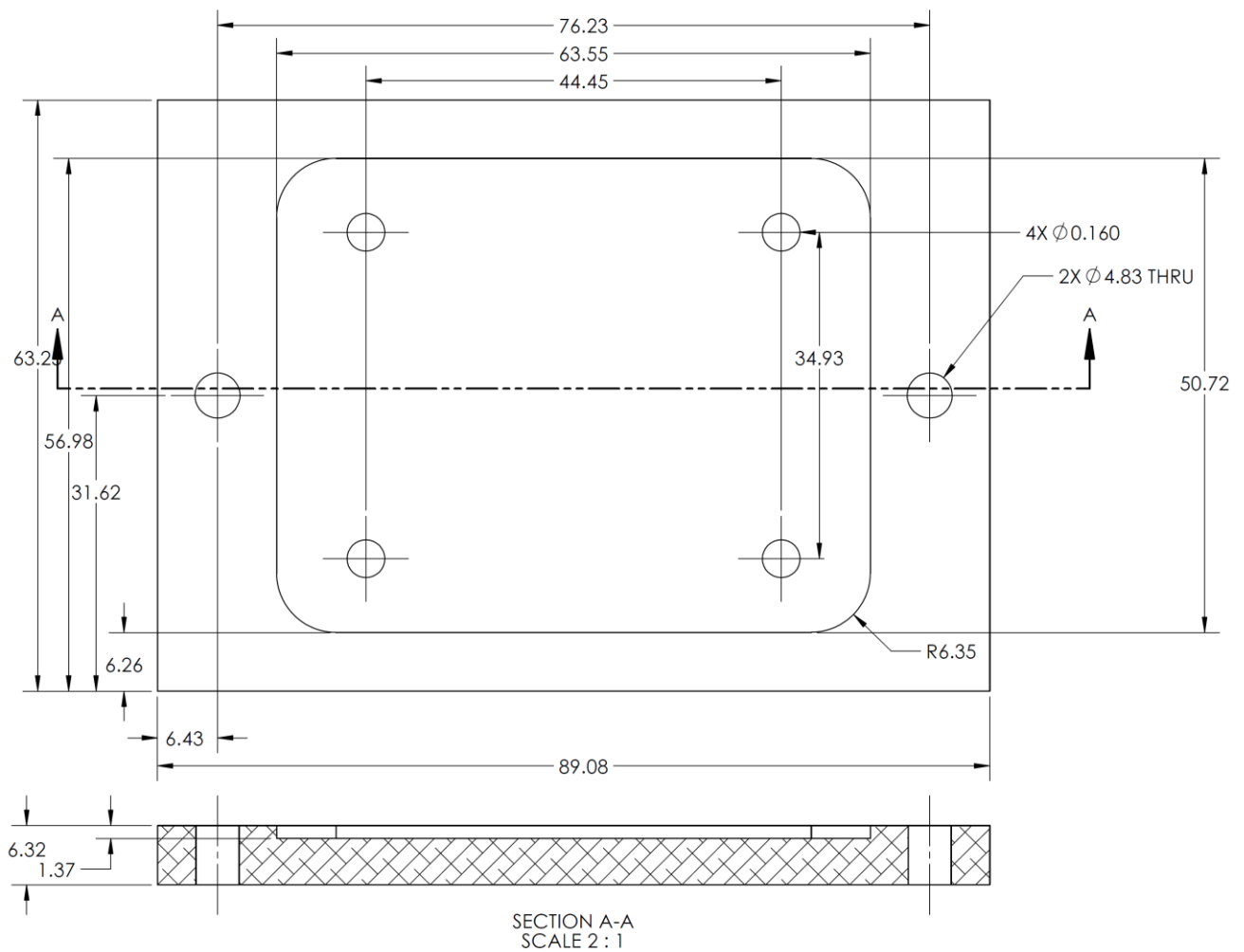
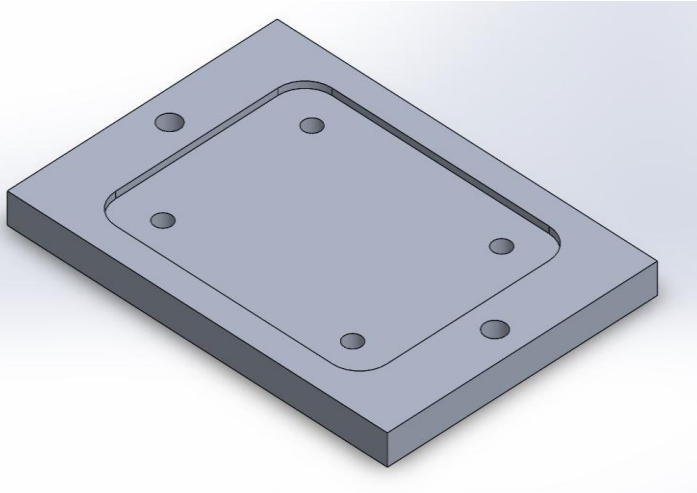
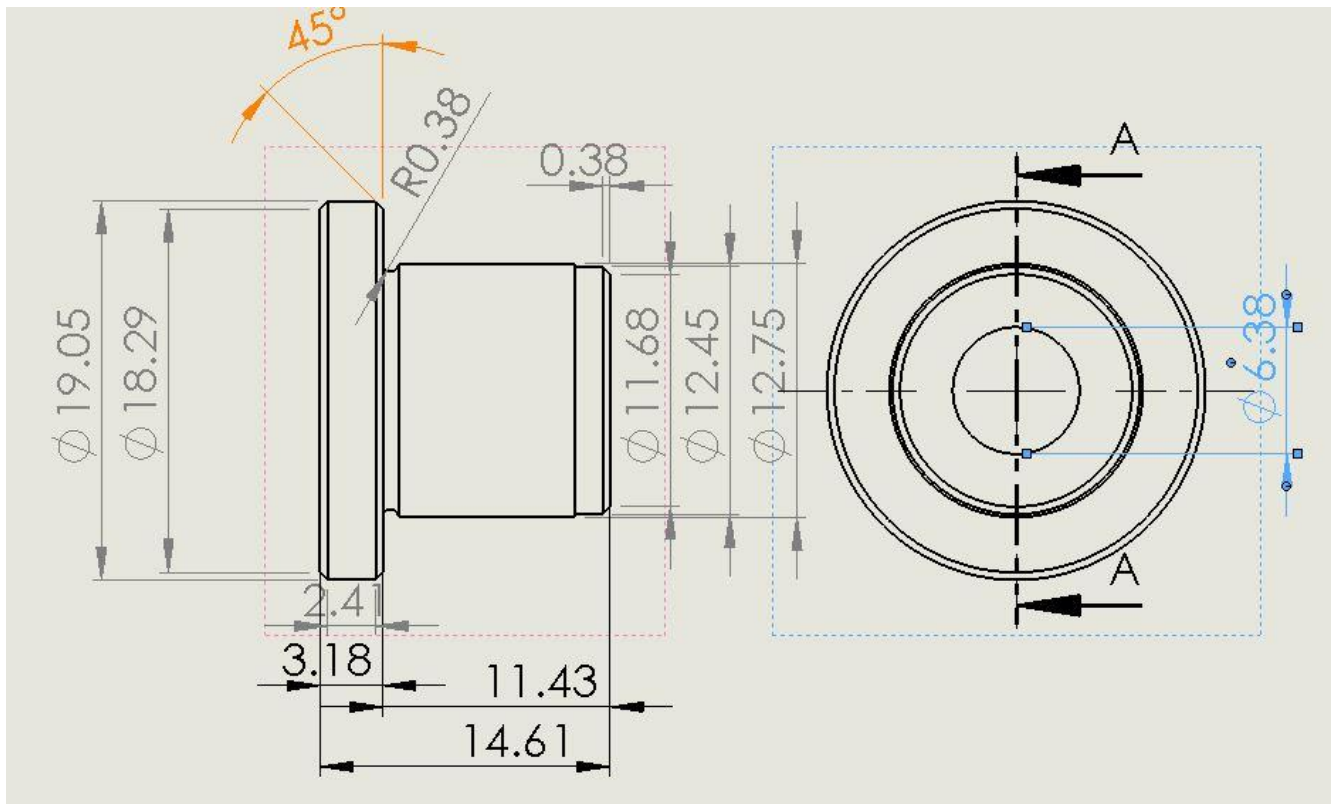
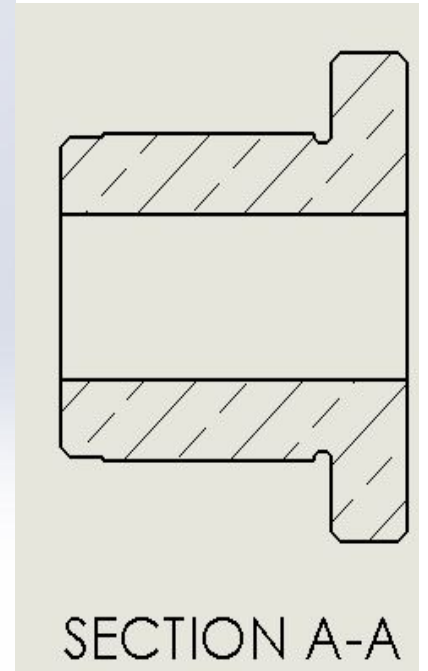
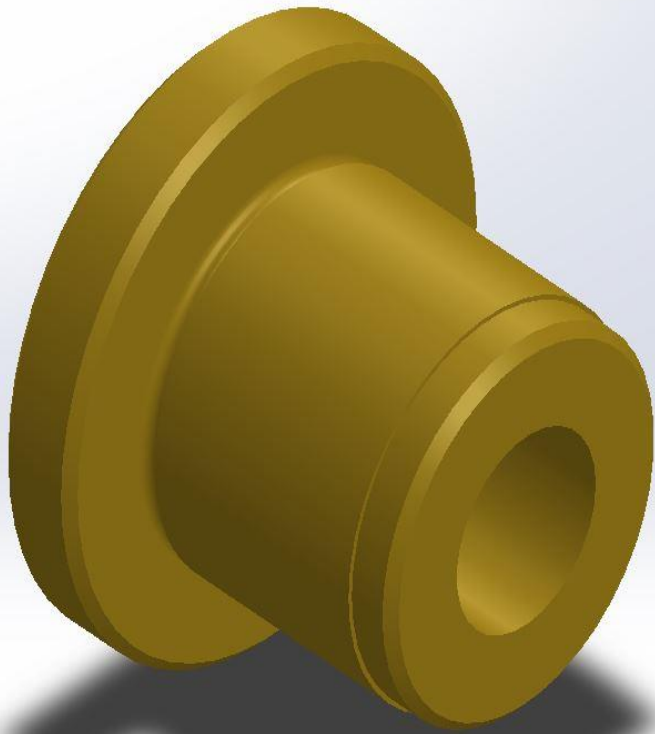


PROBLEM:1 simple-shaft-rotor-assembly.

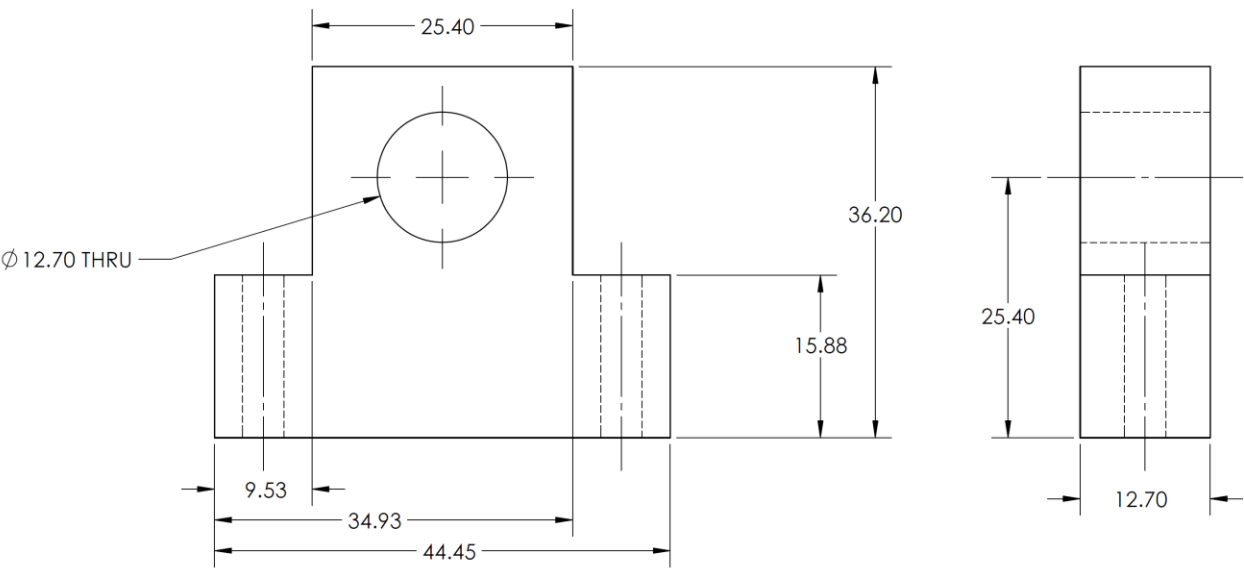
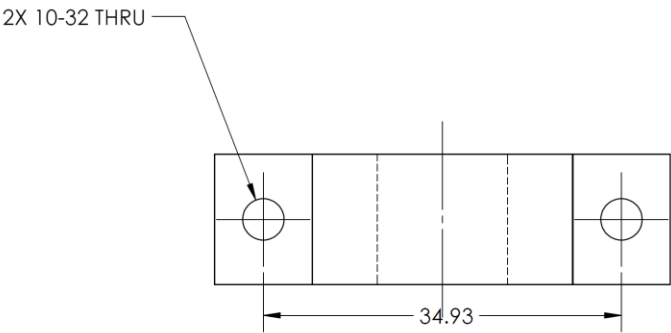
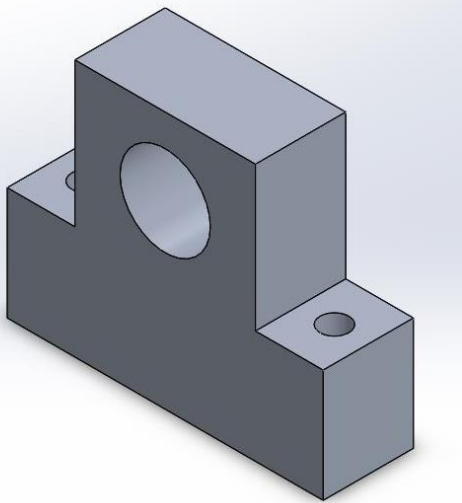
Part: 1
BASE
PLATE



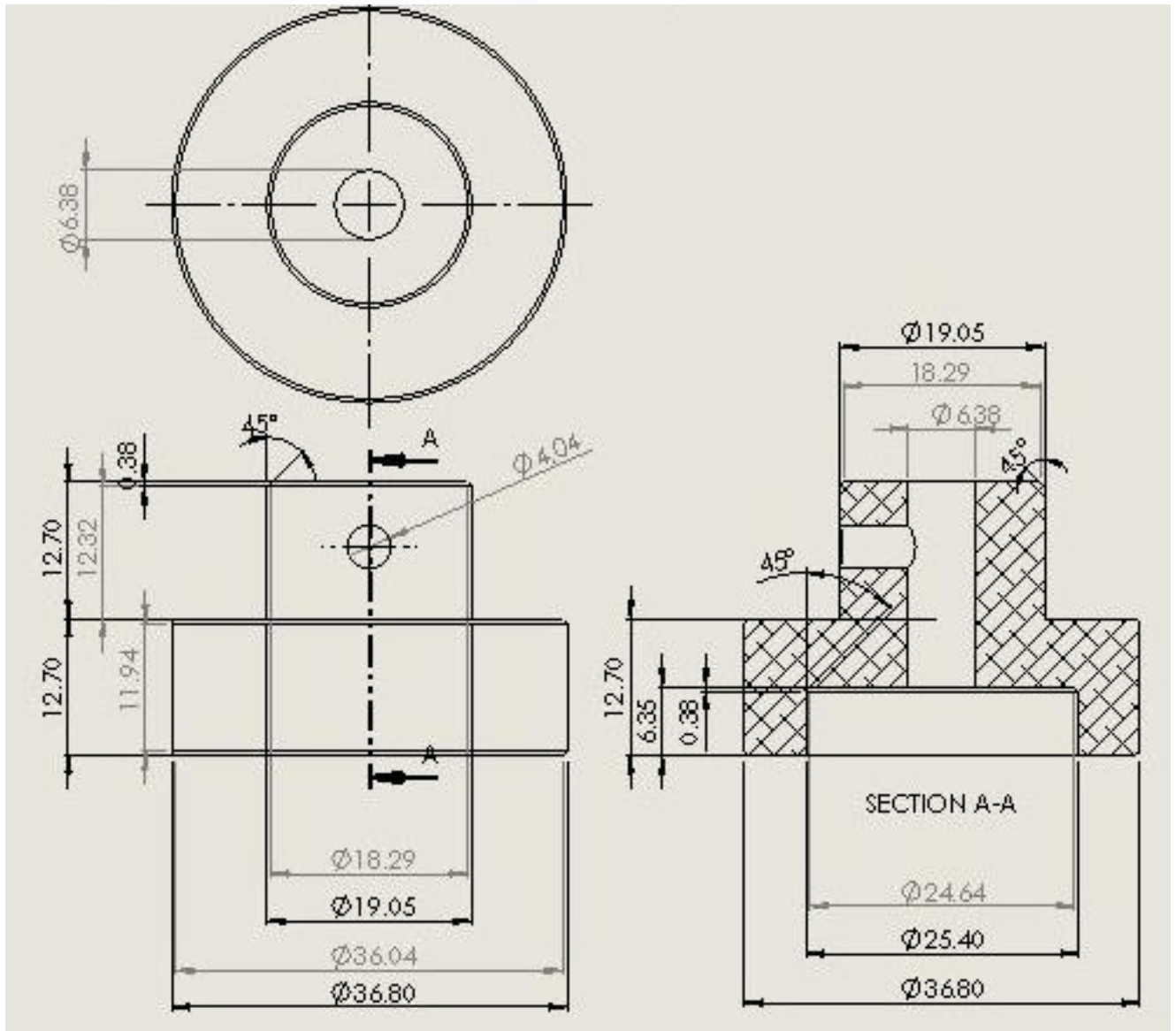
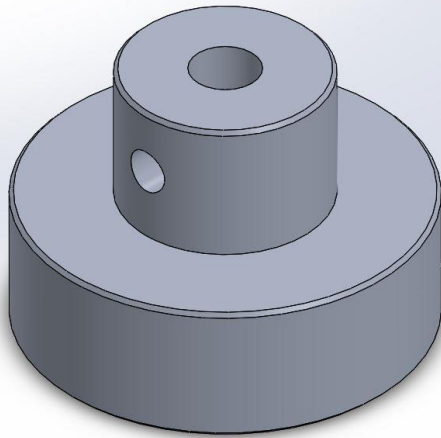
Part: 2
Brass
Bushing



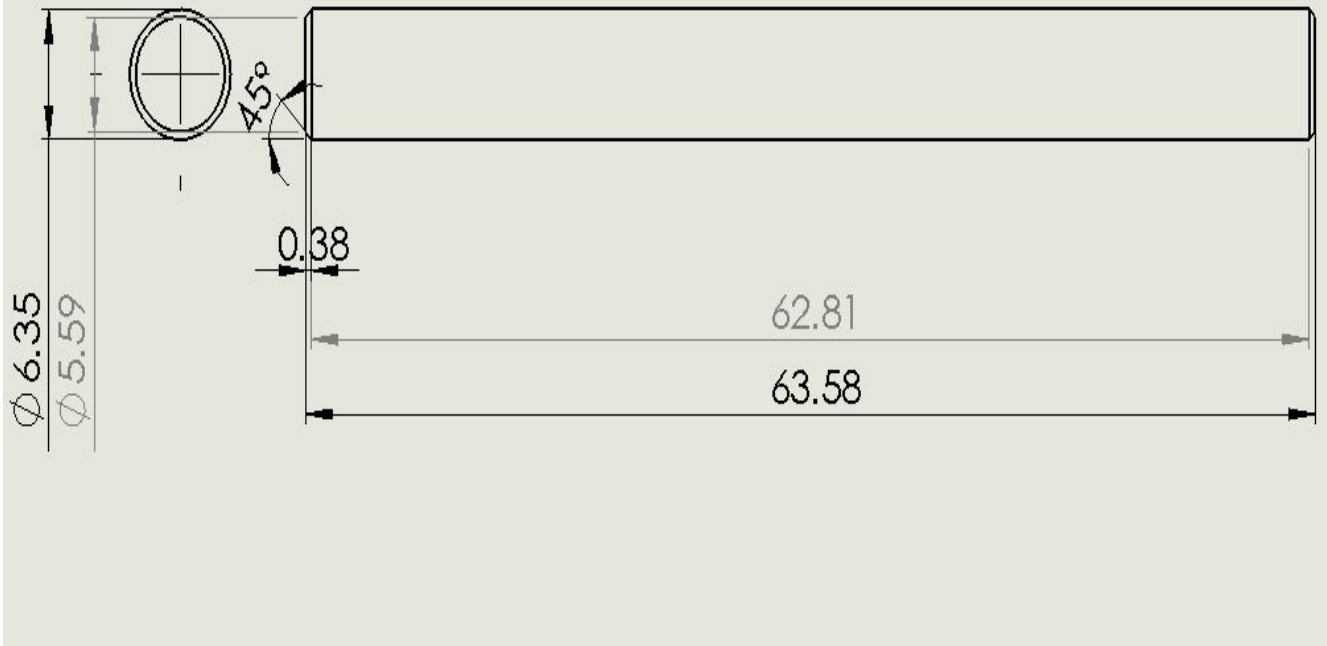
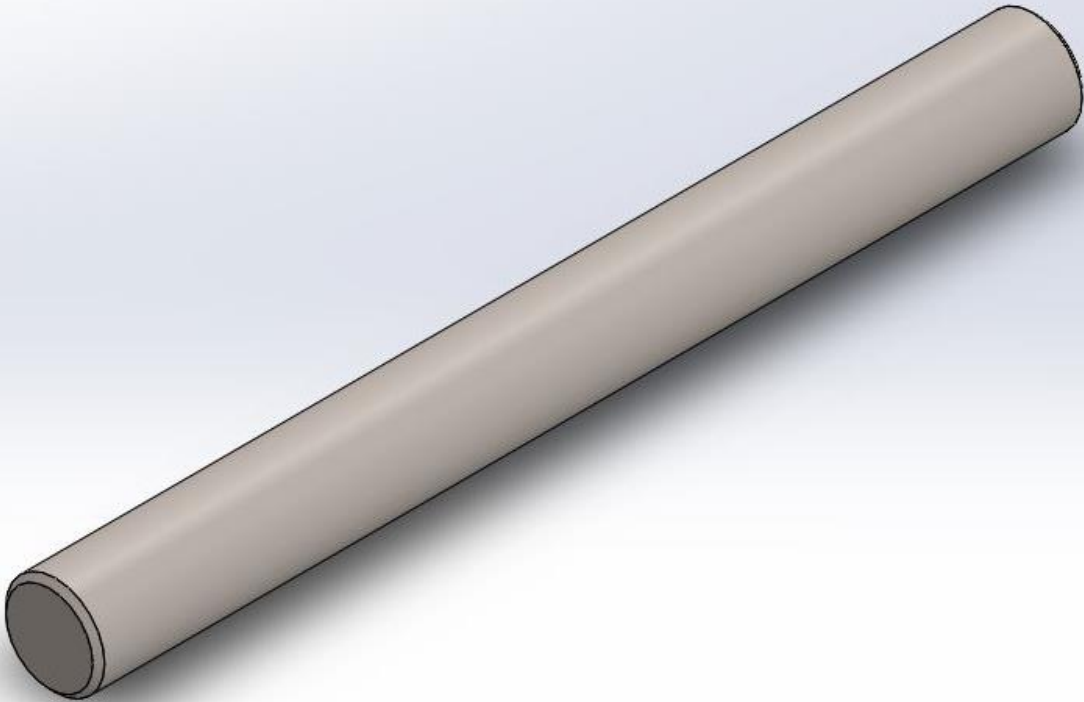
Part:3
Pillow block



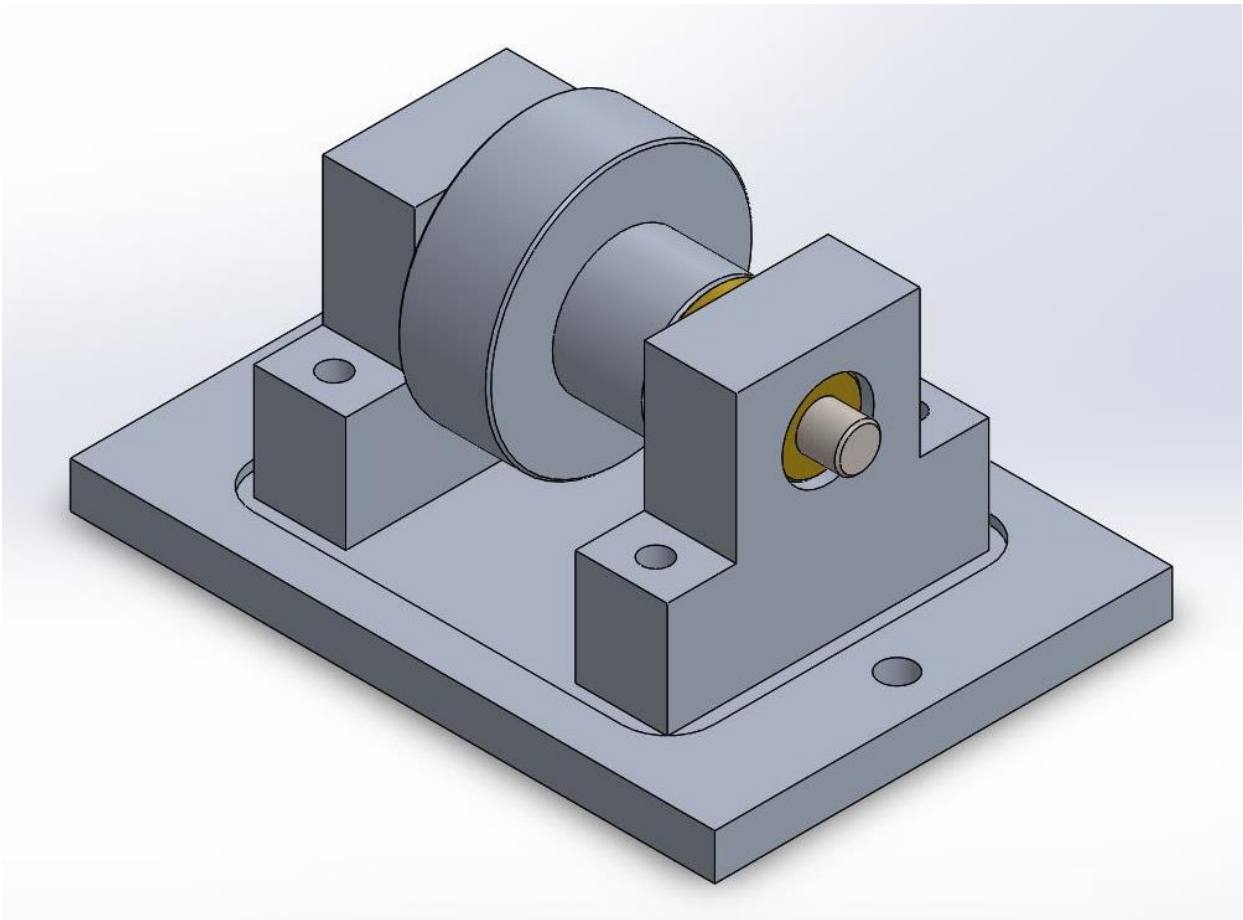
Part :4
Rotor



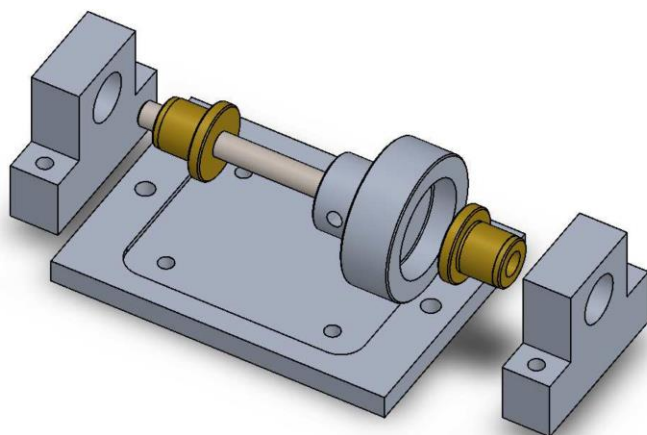
Part :5
Shaft



Assembly:
Use the
above parts
to make the
assembly
shown on the
right.



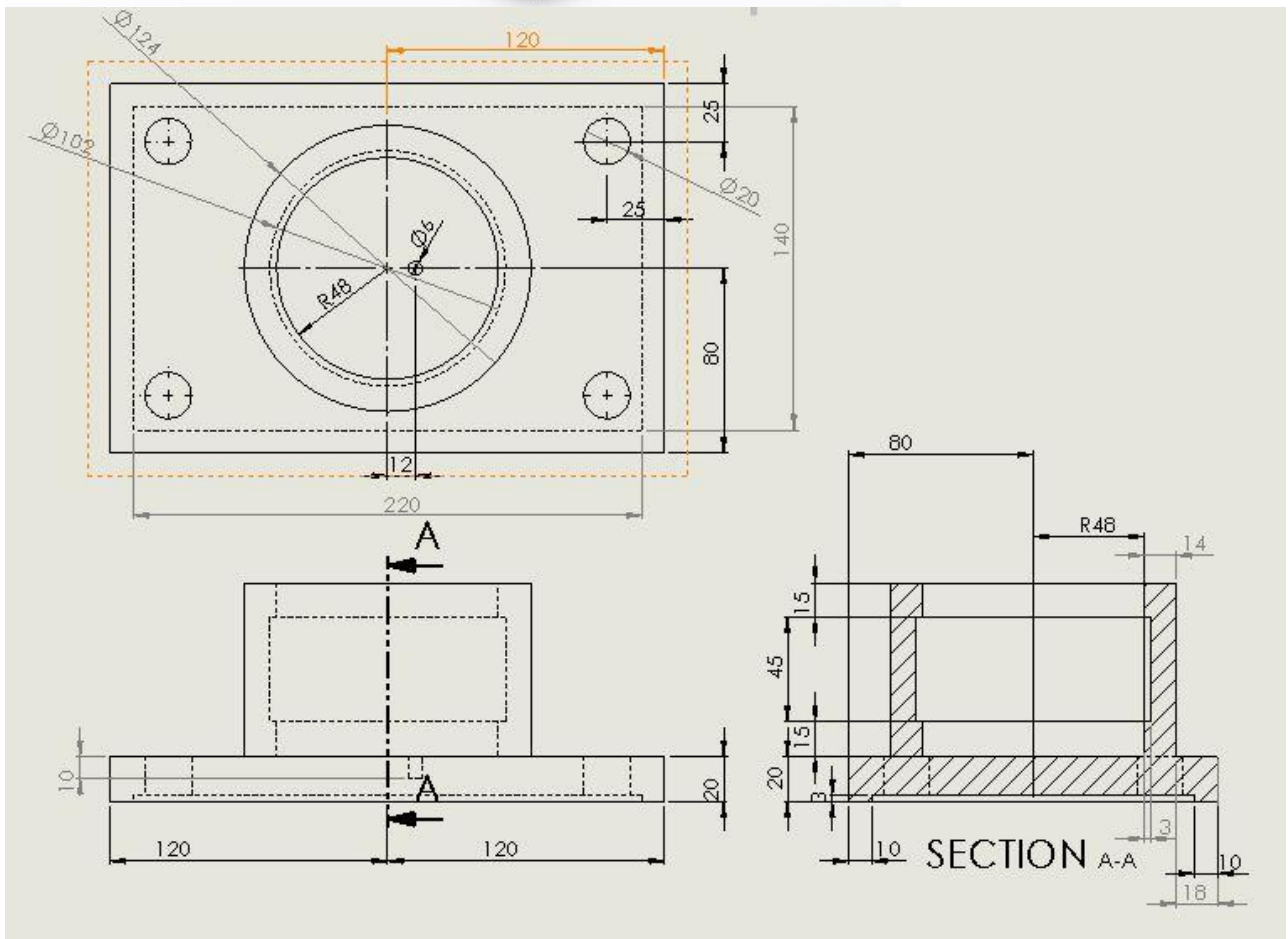
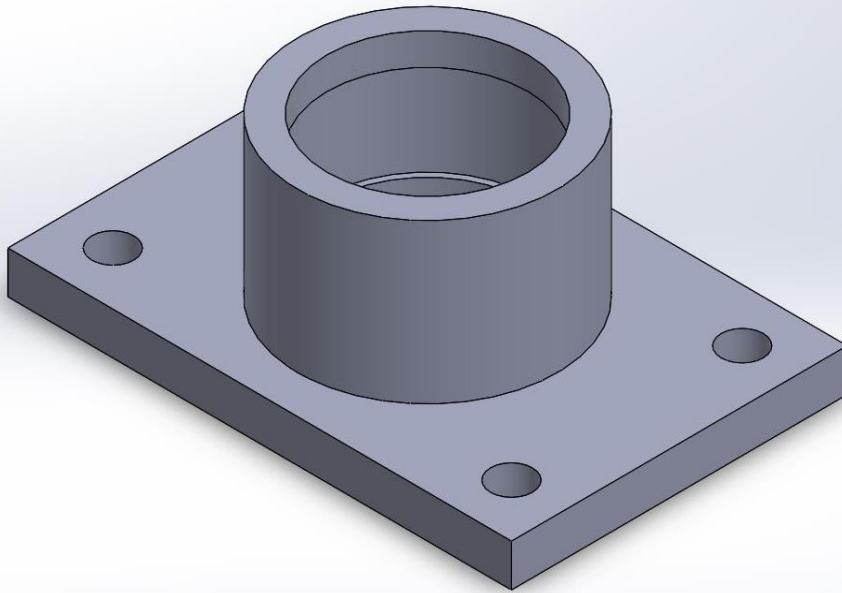
Exploded View



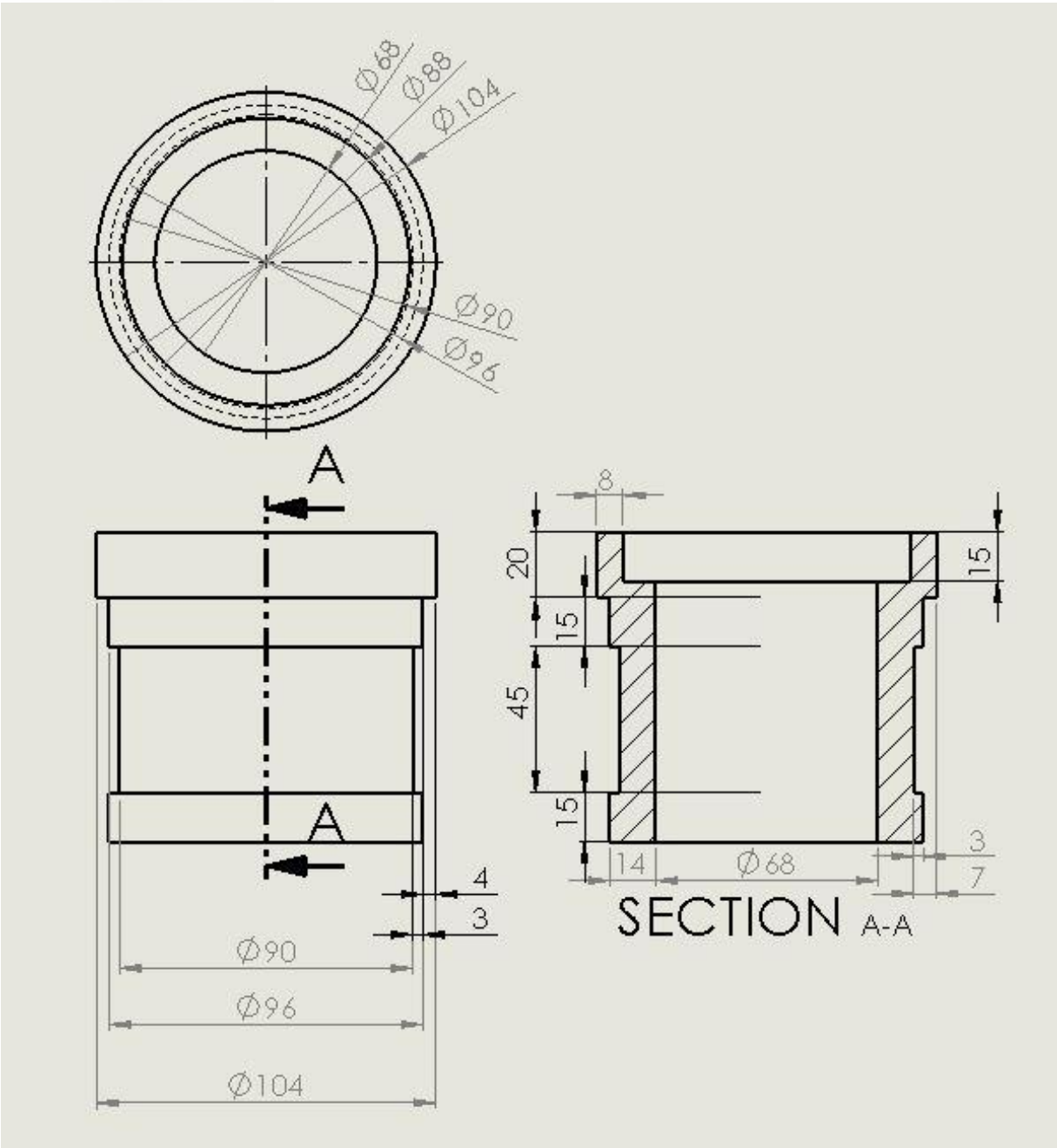
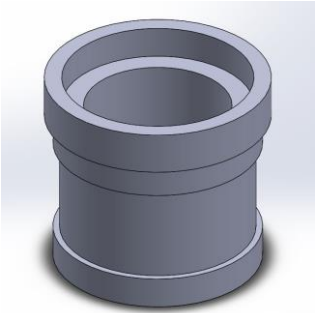
ITEM NO.	PART NUMBER	DESCRIPTION
1	Base Plate	
2	Pillow Block	
3	Brass Bushing	
4	Shaft	
5	Rotor	

Problem 2: Foot step bearing

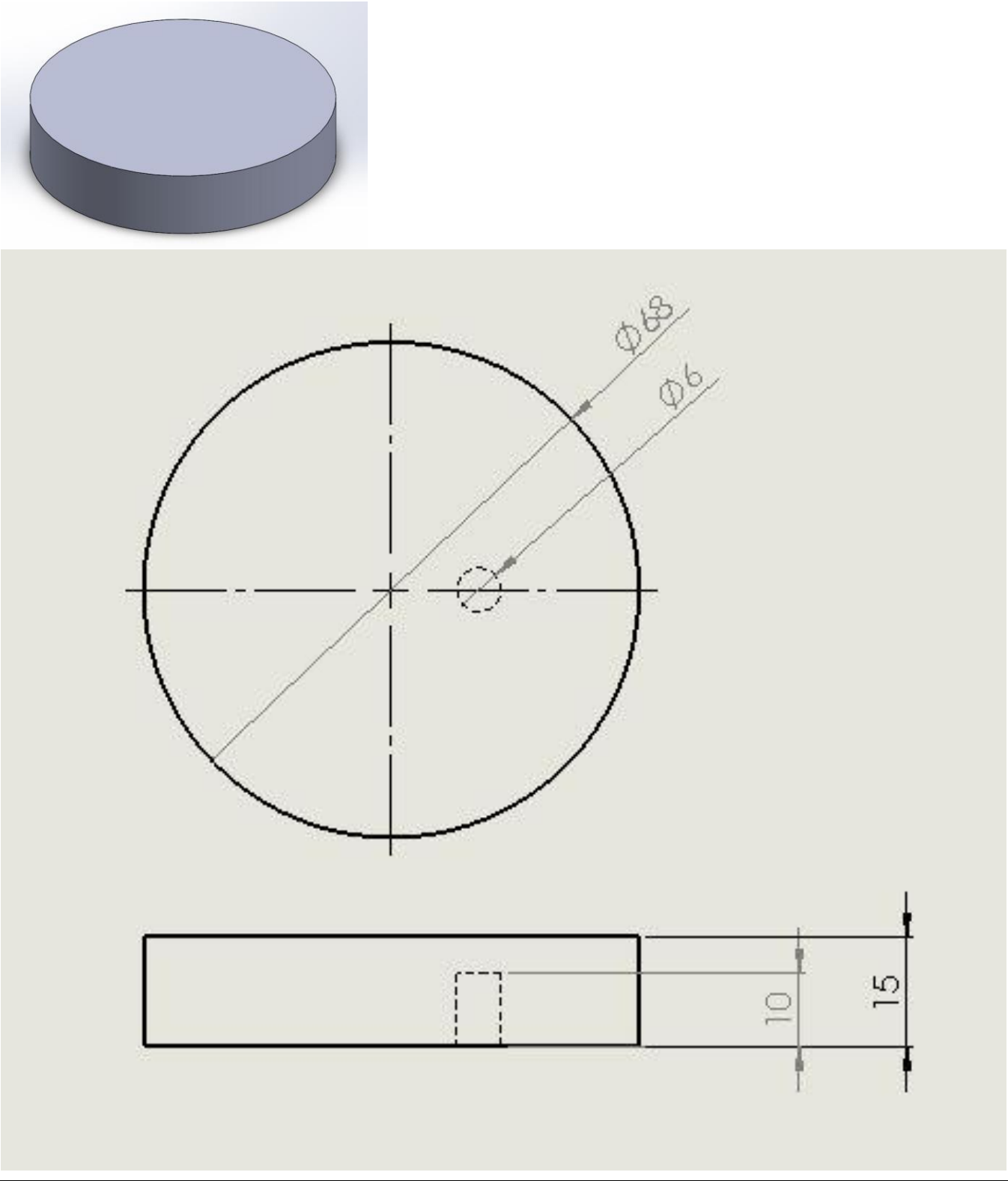
Part 1:
Block



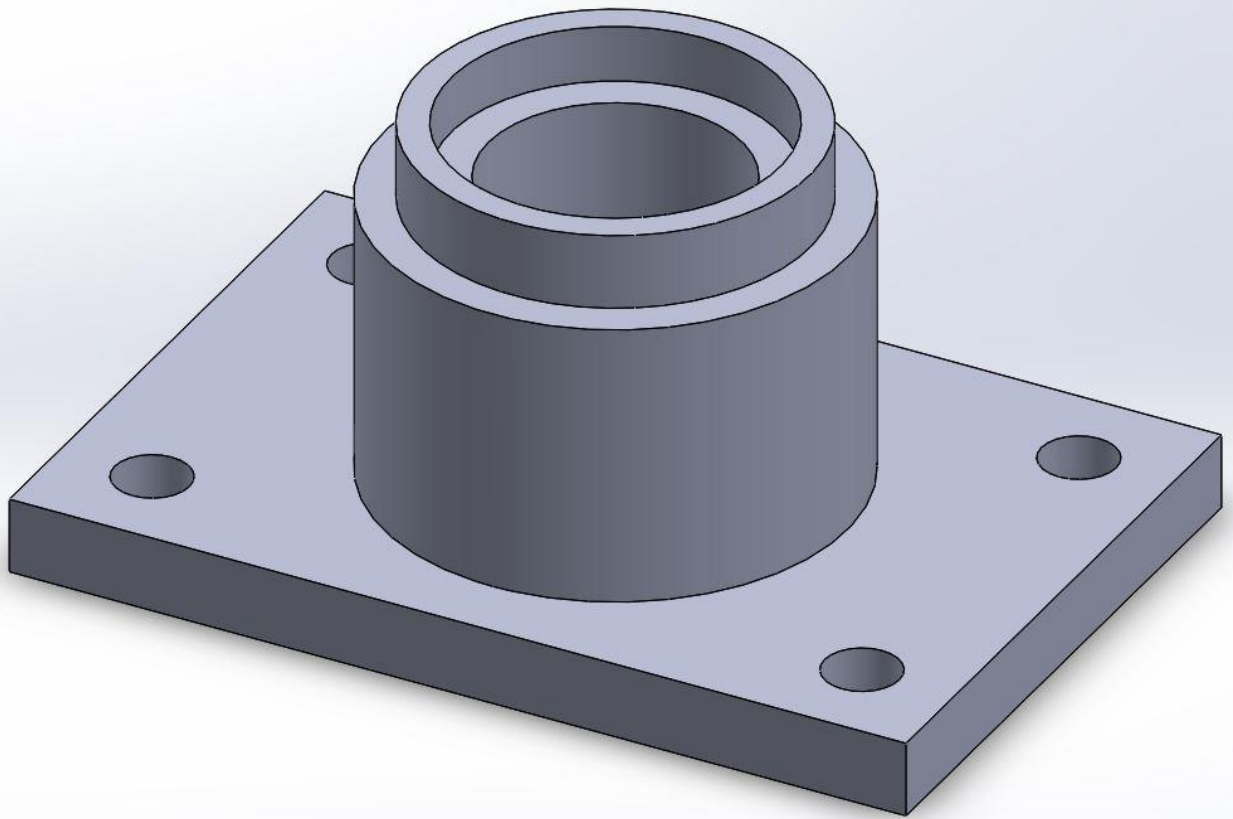
Part 2:
Bush



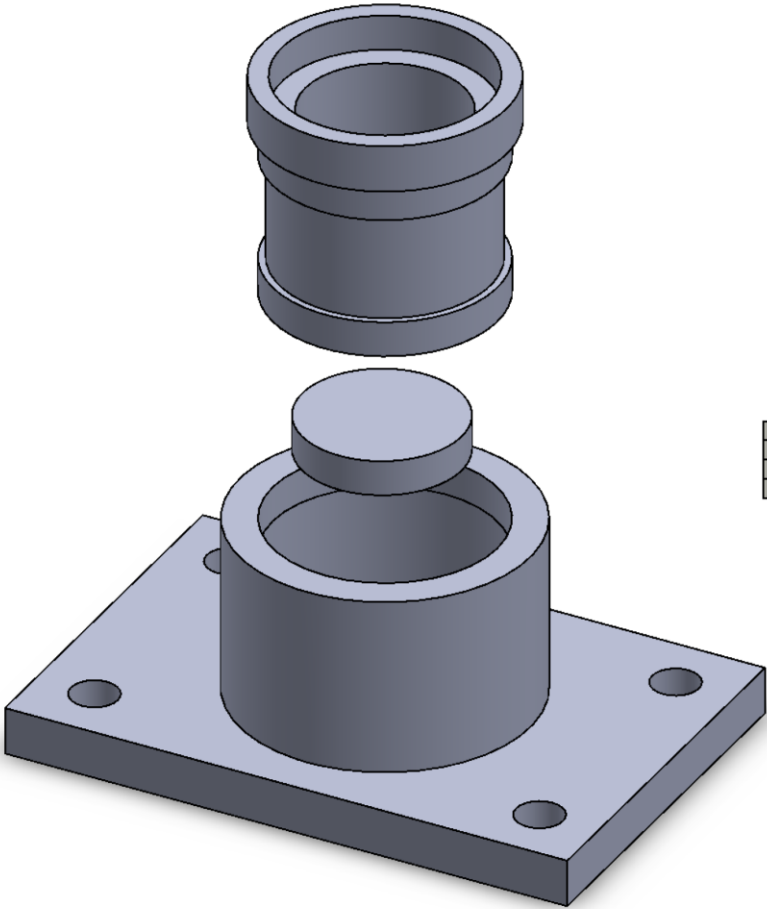
Part 3
Pad



Assembly :
Use the
above
parts to
make the
assembly
shown on
the right.



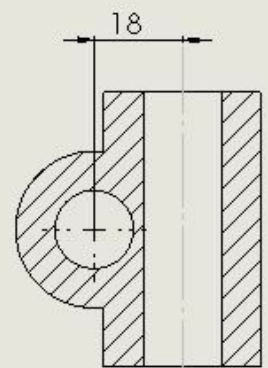
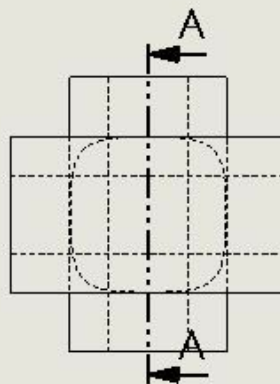
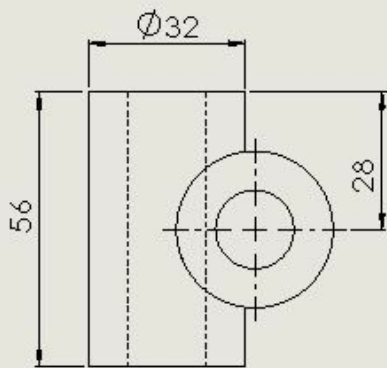
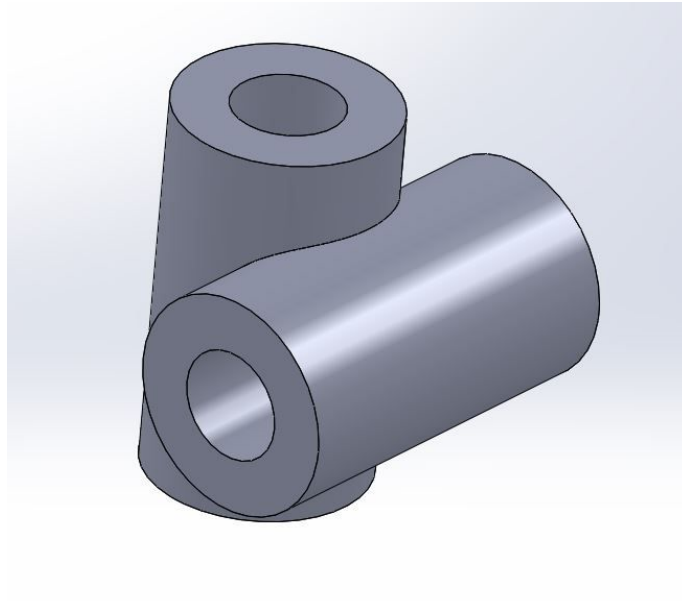
Exploded View



ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	Block		1
2	Bush		1
3	Pad		1

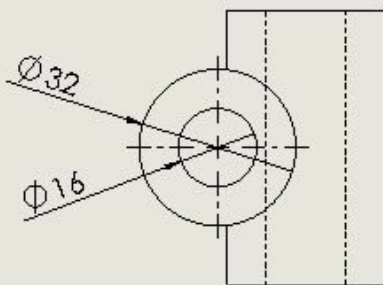
Problem 3: UNIVERSAL COUPLING

Part 1 :Centre

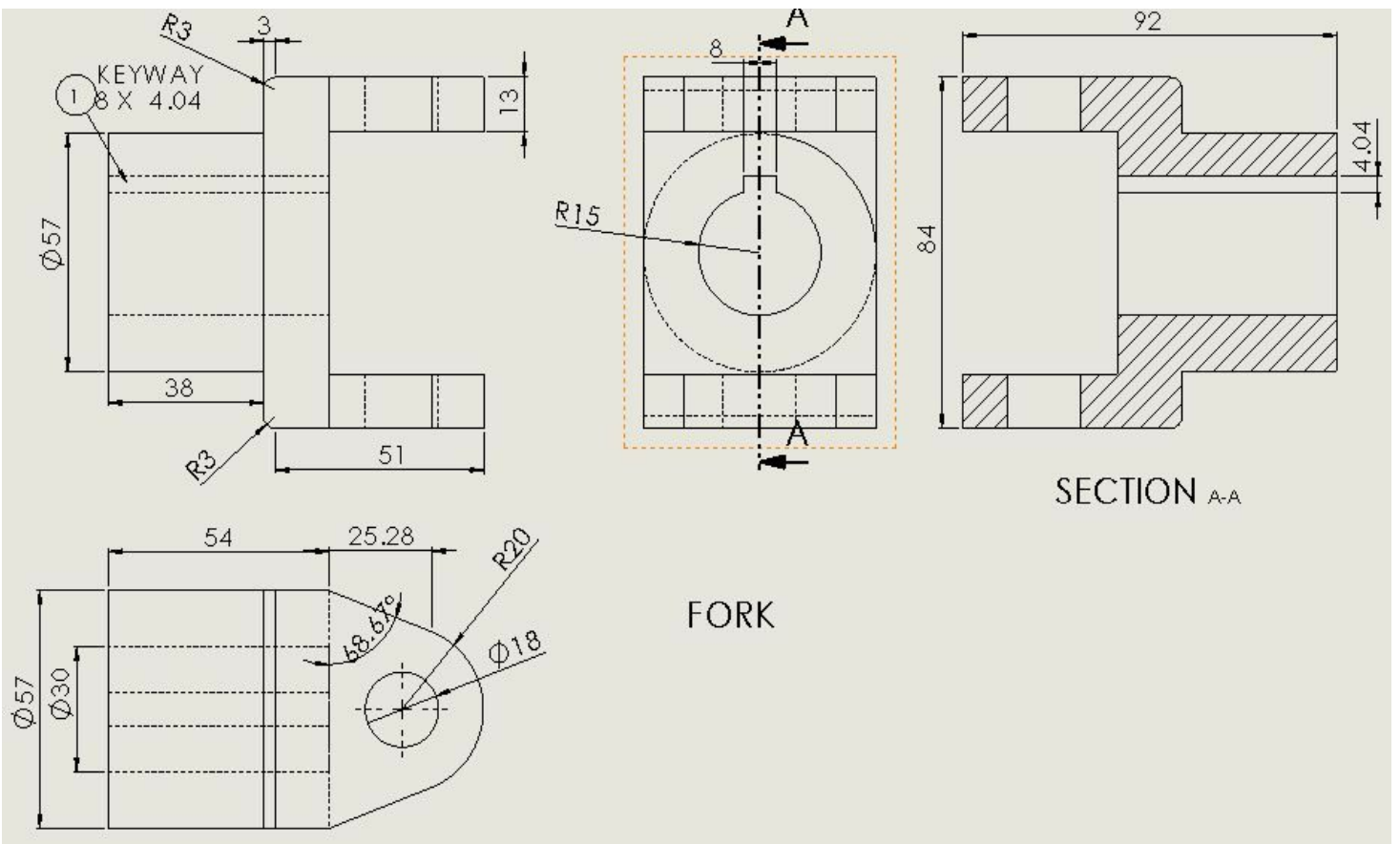
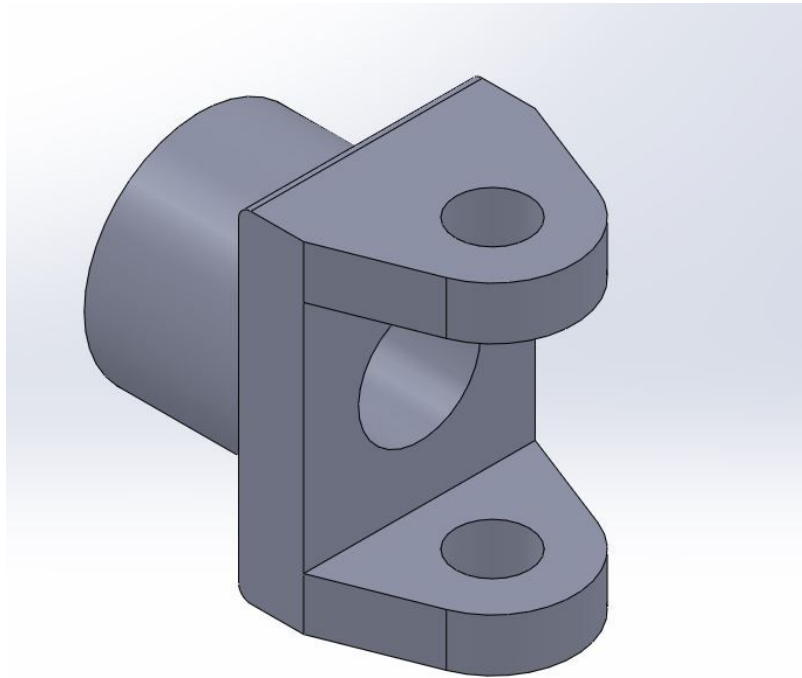


SECTION A-A

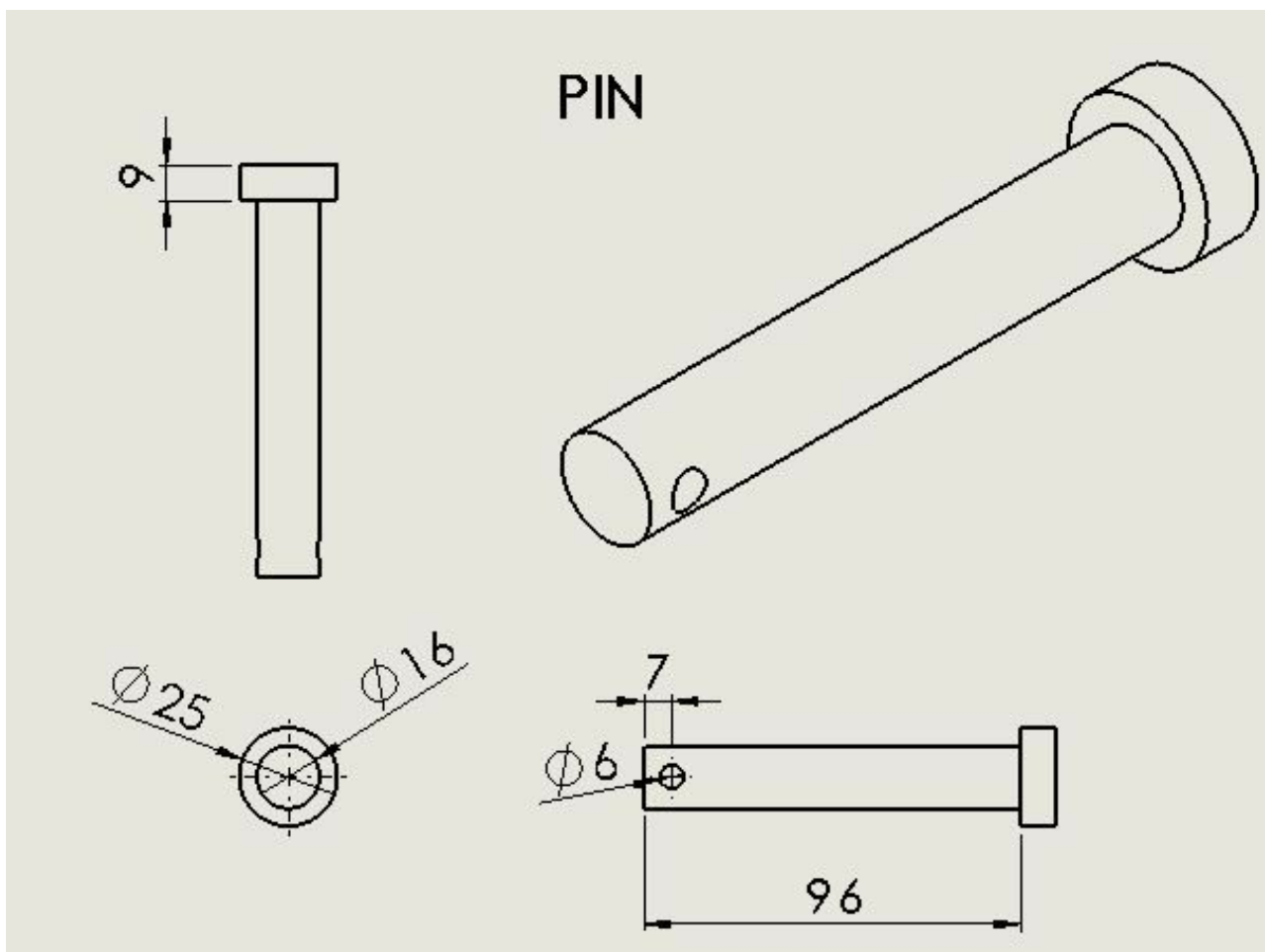
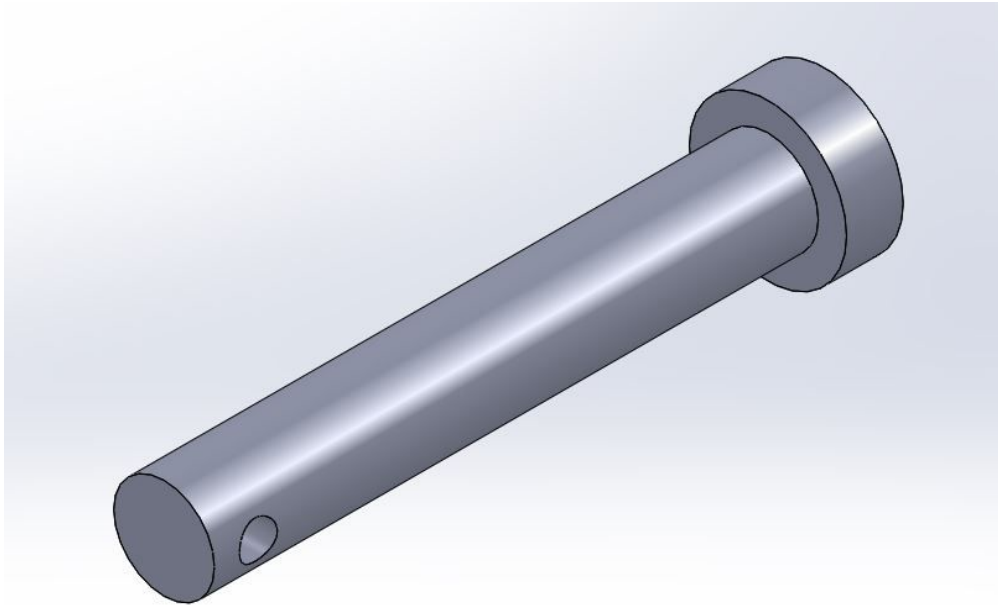
CENTRE



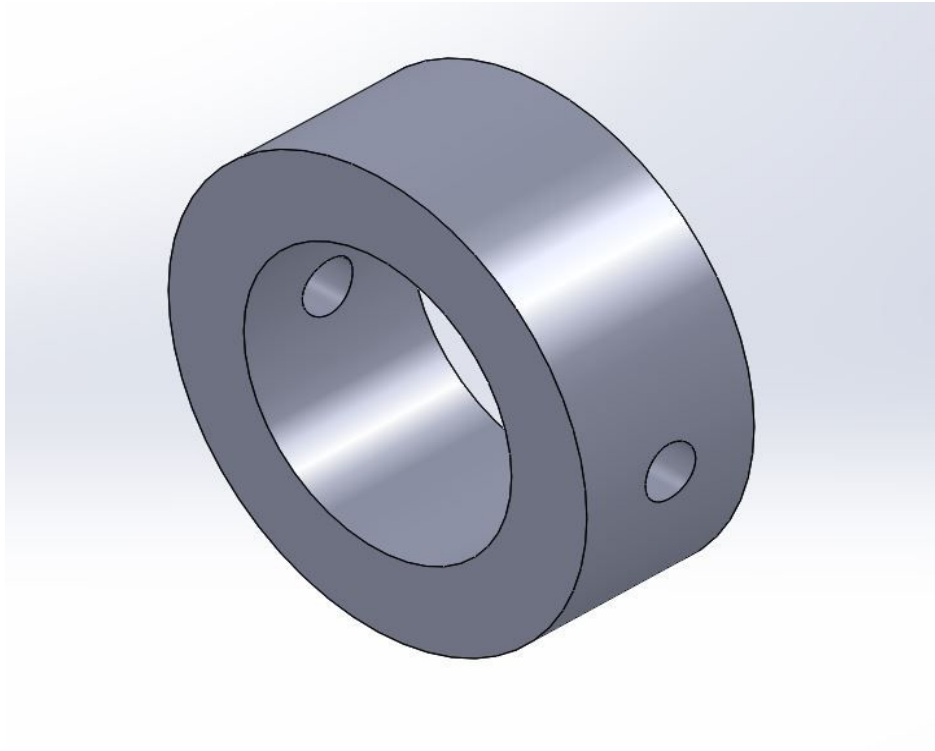
Part 2 : Fork



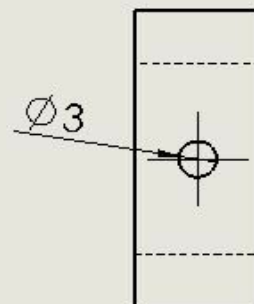
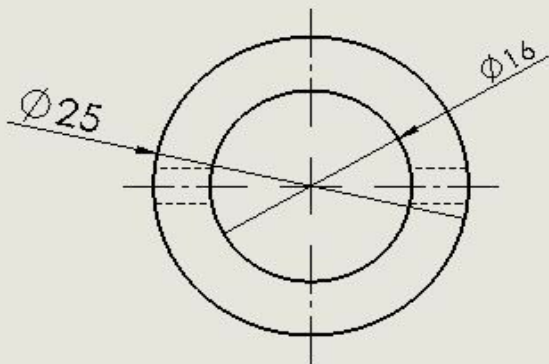
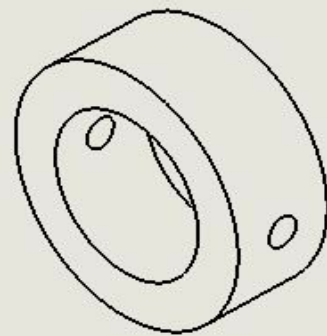
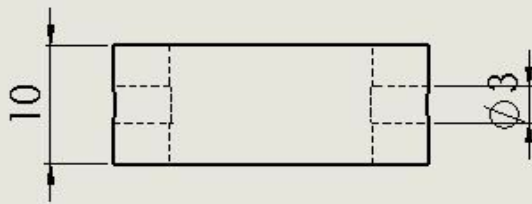
Part 3 : Pin



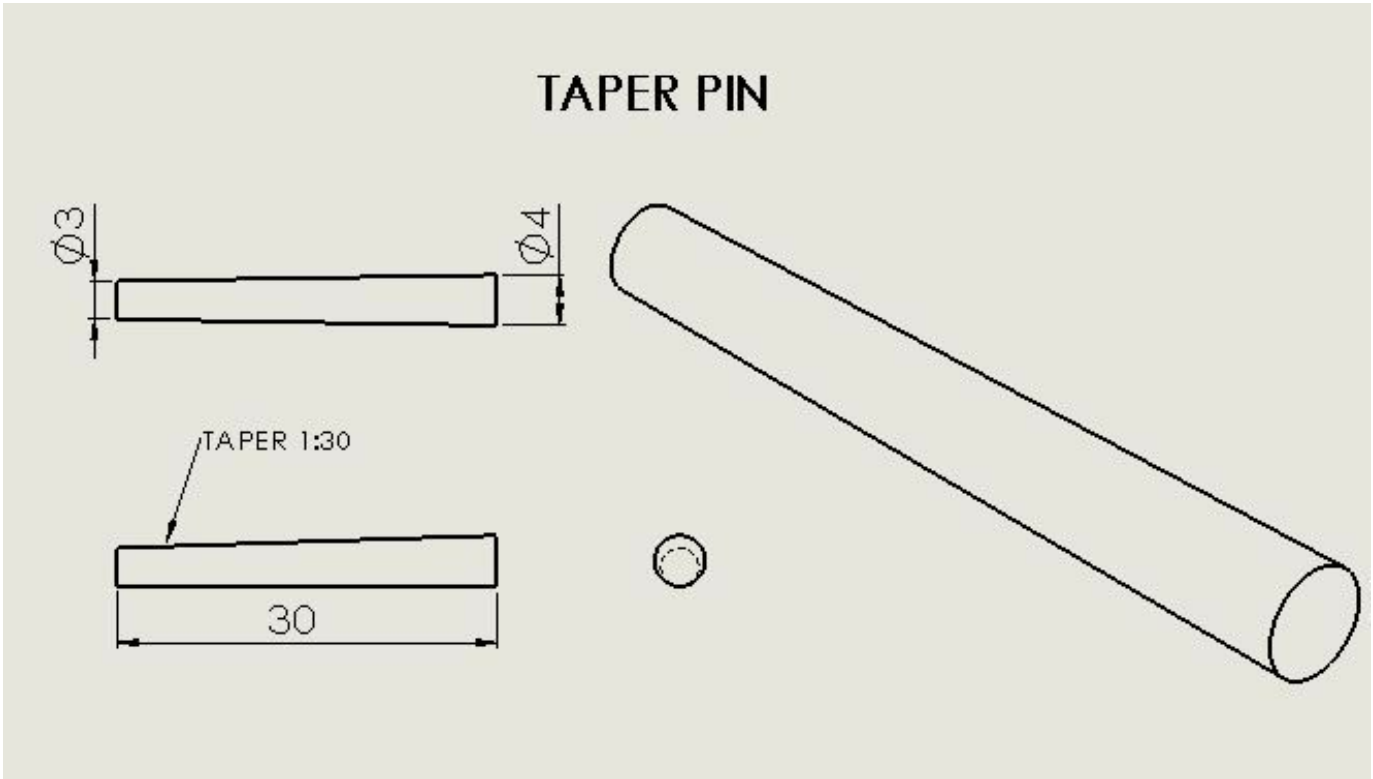
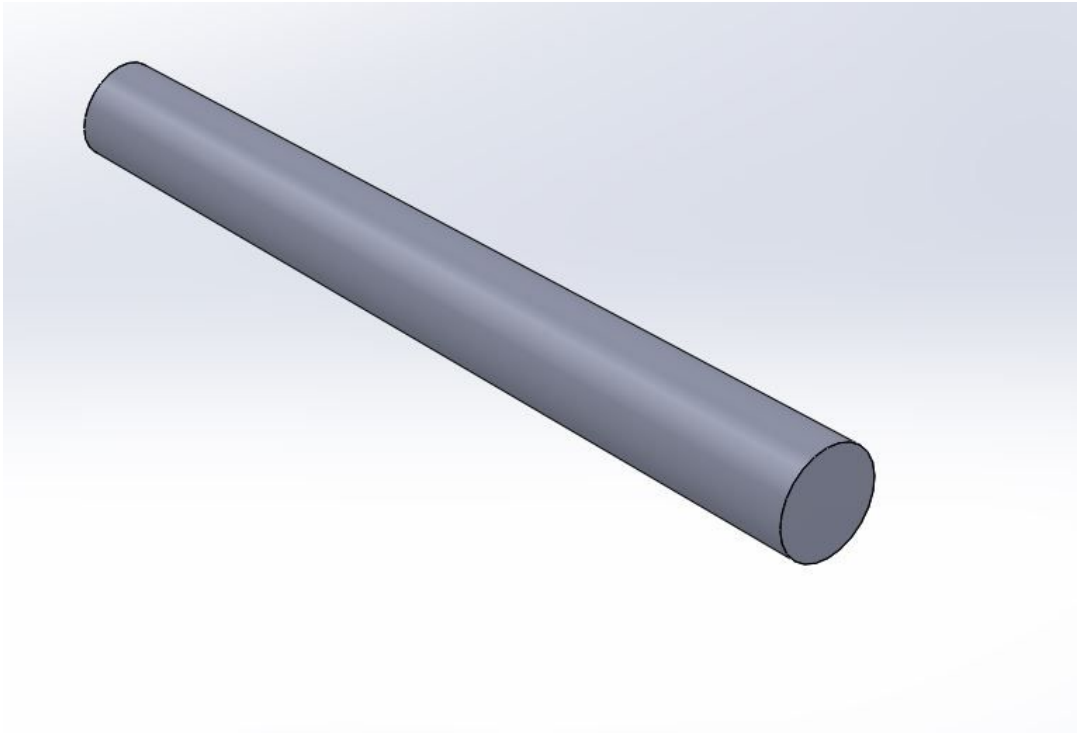
Part 4 : Collar



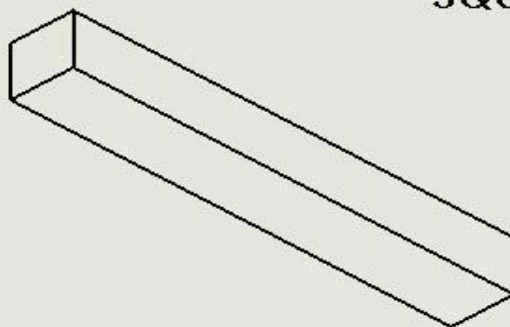
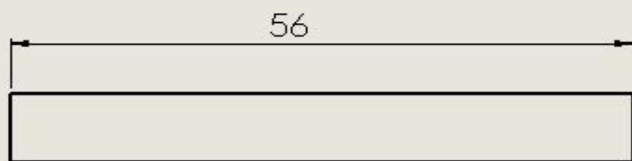
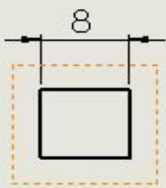
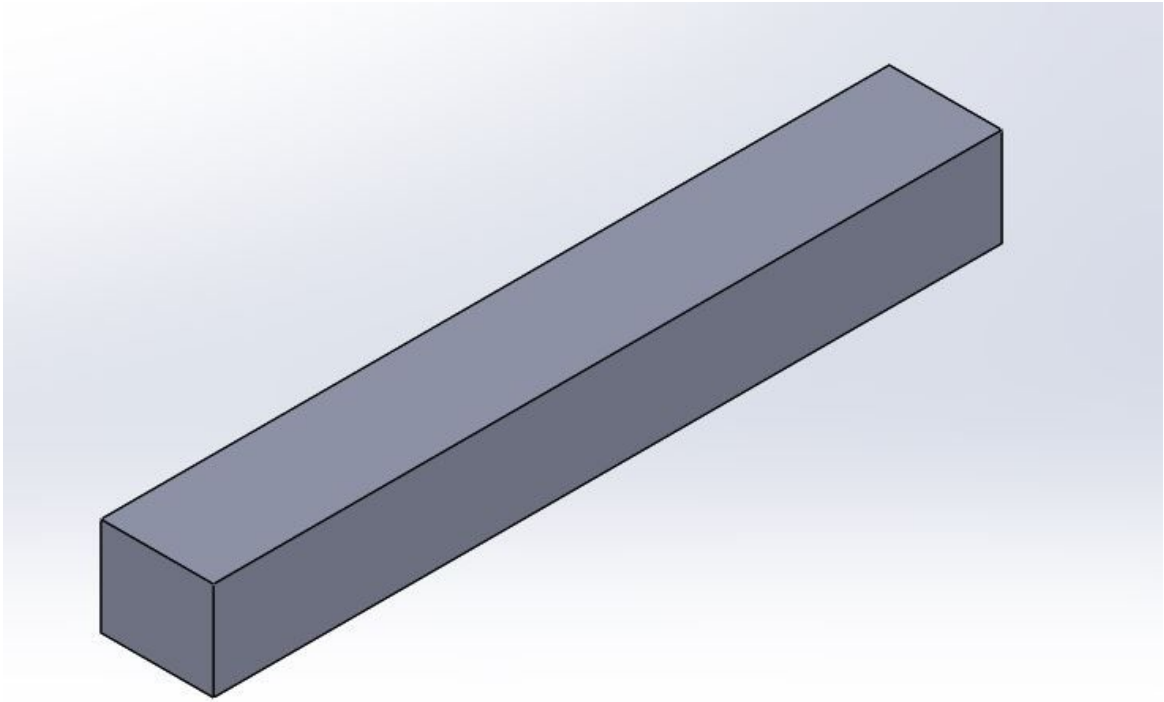
COLLAR



Part 5: Taper Pin

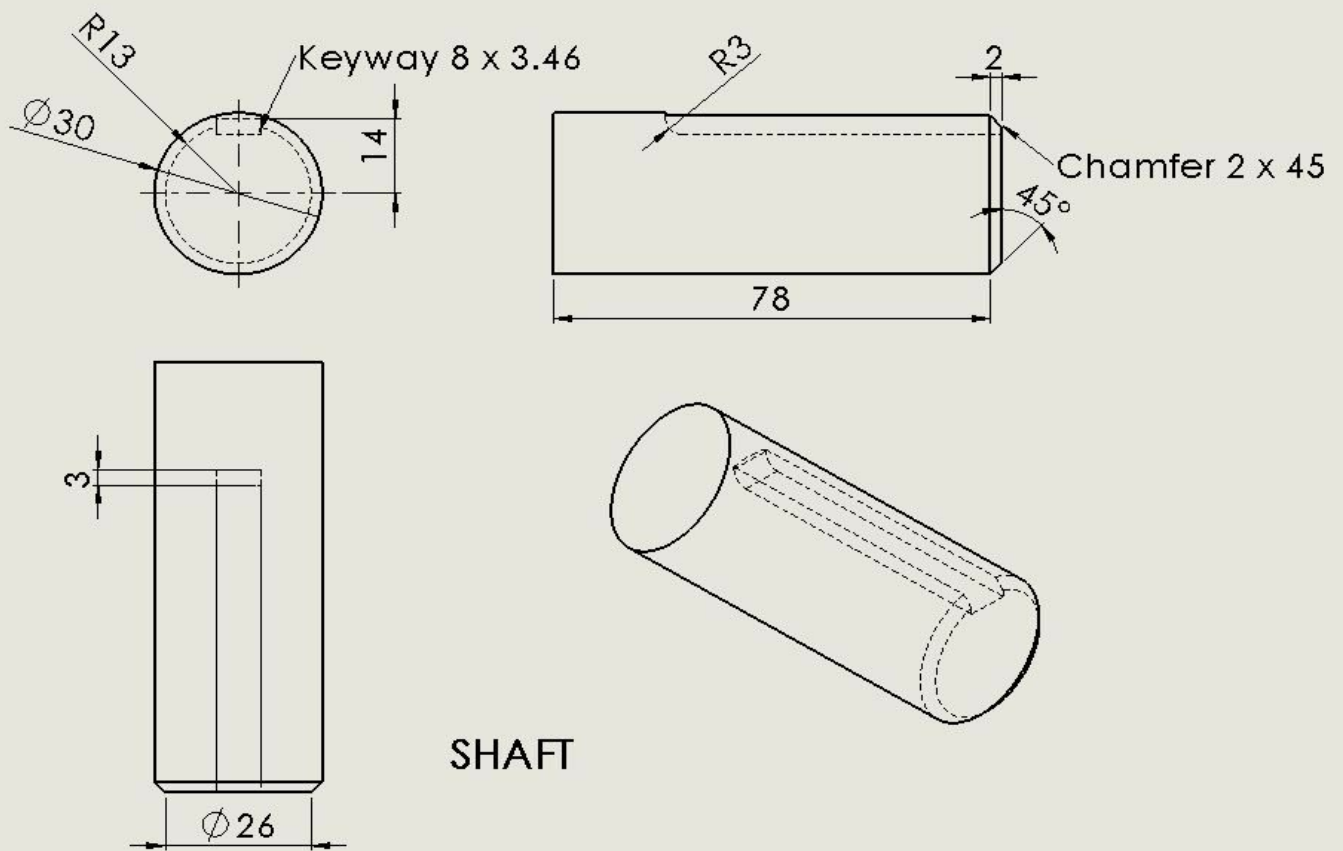
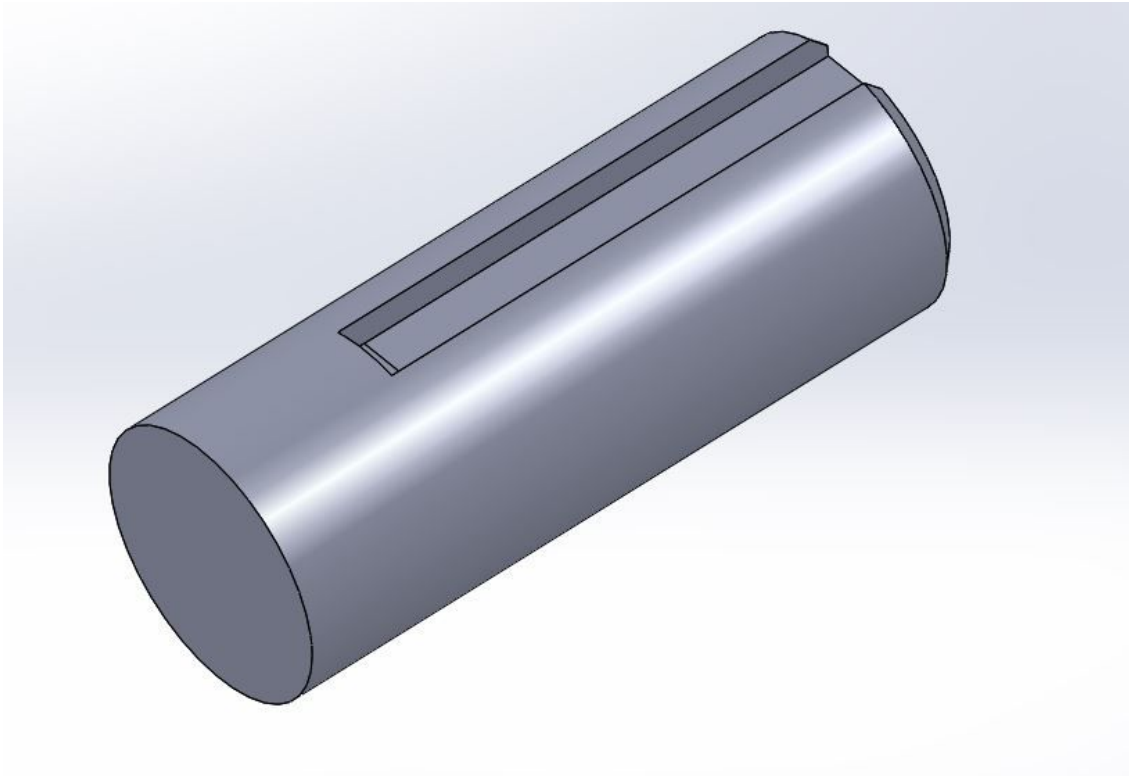


Part 6: Parallel Key

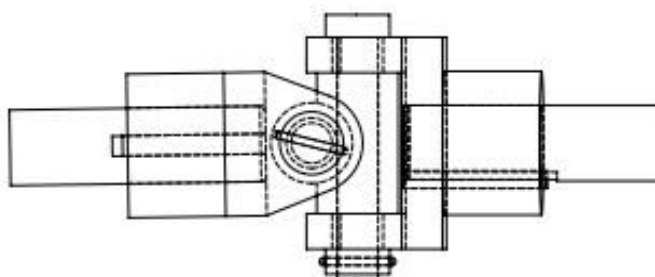
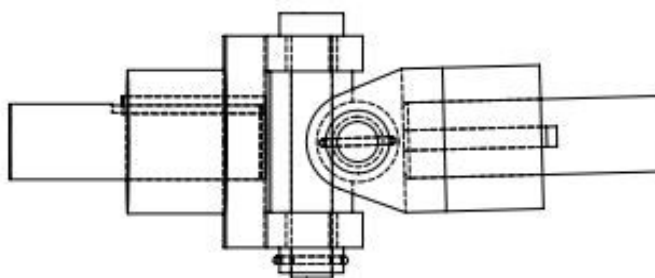
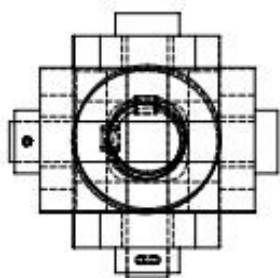
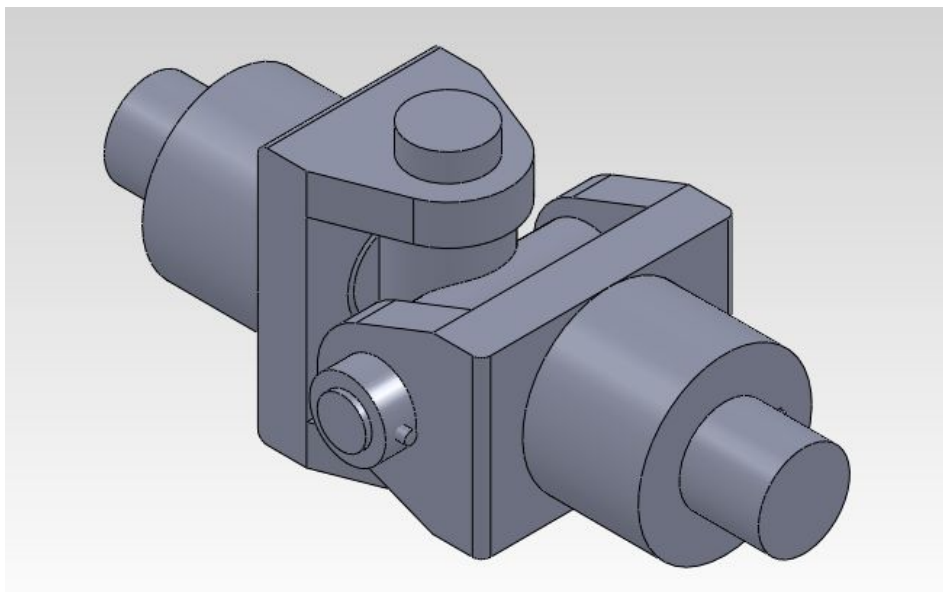


SQUARE PARALLEL KEY

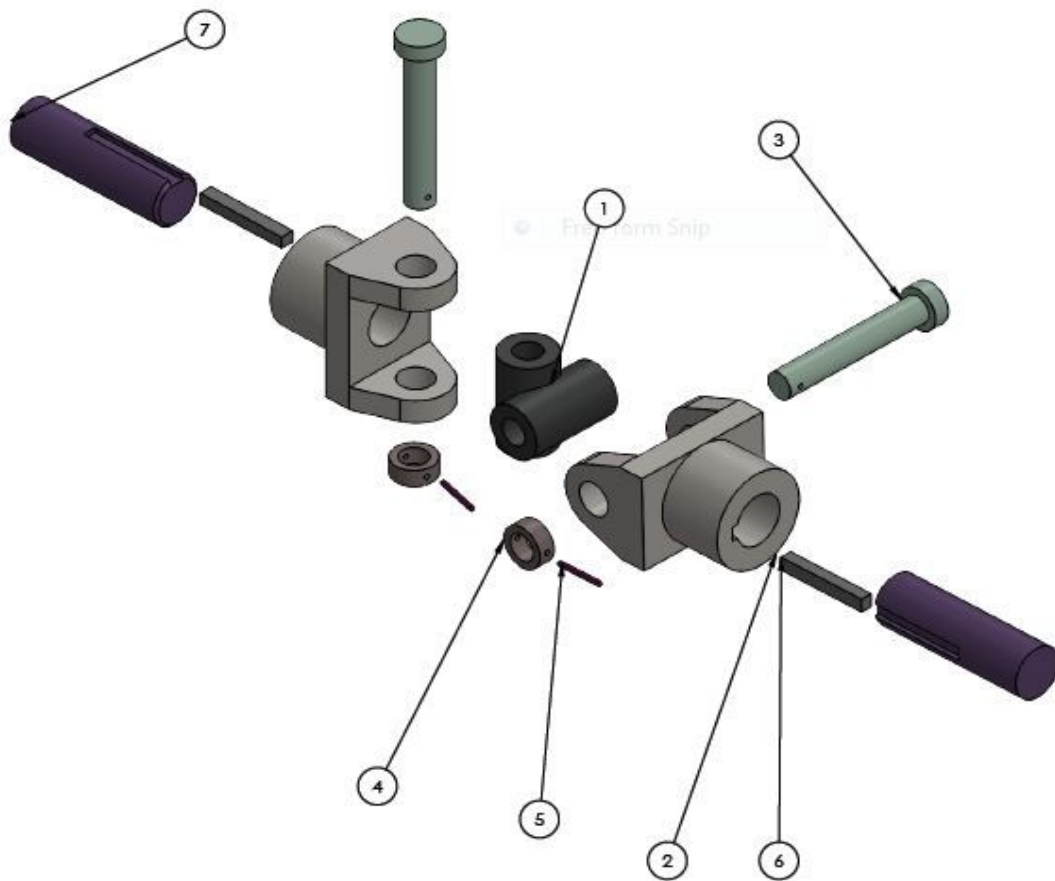
Part 7 : Shaft



Assembly: Make Assembly By joining Above Parts with suitable Constraints



EXPLODED VIEW



BILL OF MATERIALS:

Part No.	Part Name	Description	Quantity
1	Centre	Cast Iron	1
2	Fork	Cast Steel	2
3	Pin	Fe-410 w	2
4	Collar	Fe-410 w	2
5	Taper Pin	Fe-410 w	2
6	Parallel Key	Fe-410 w	2
7	Shaft	Fe-410 w	2