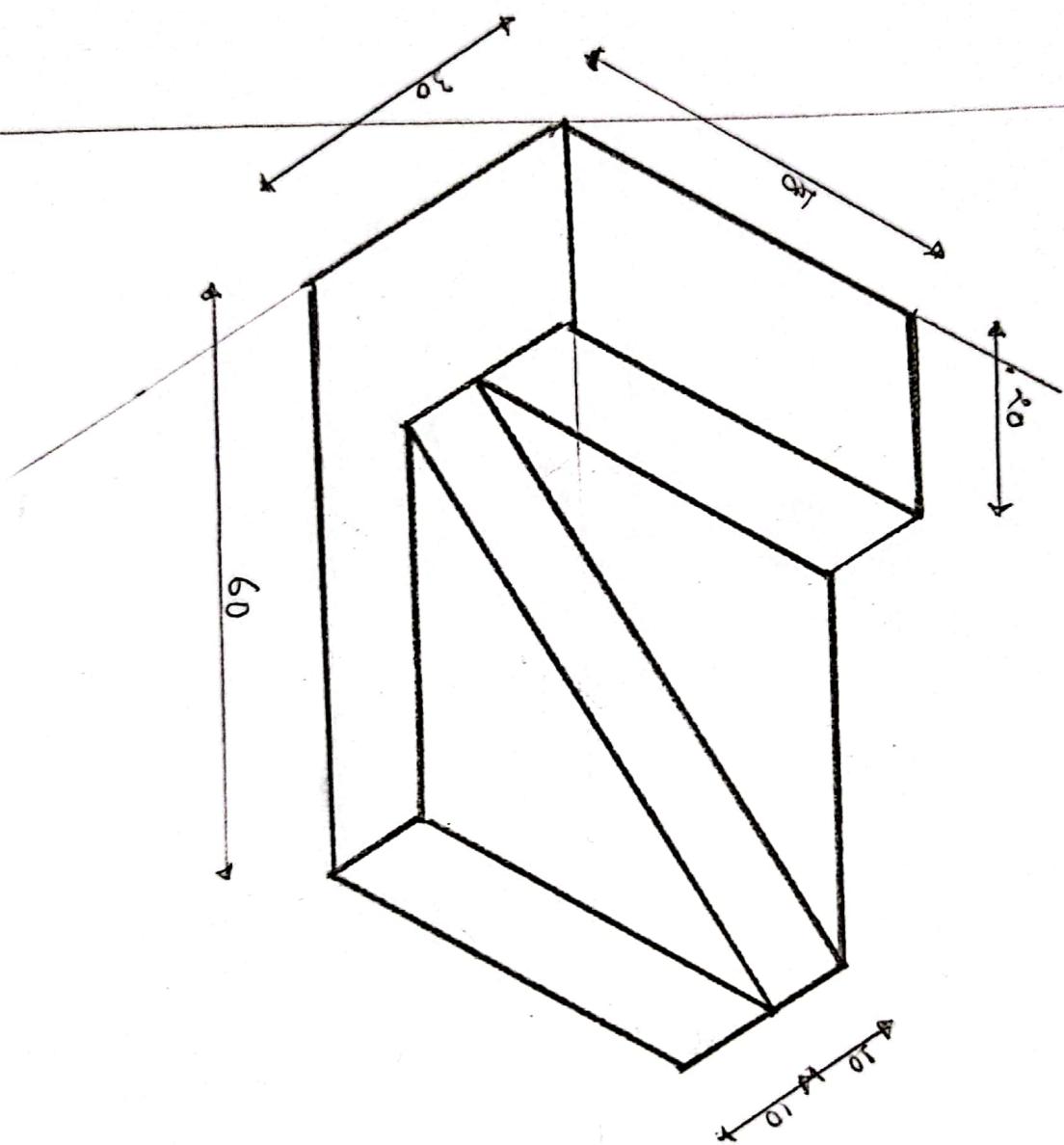
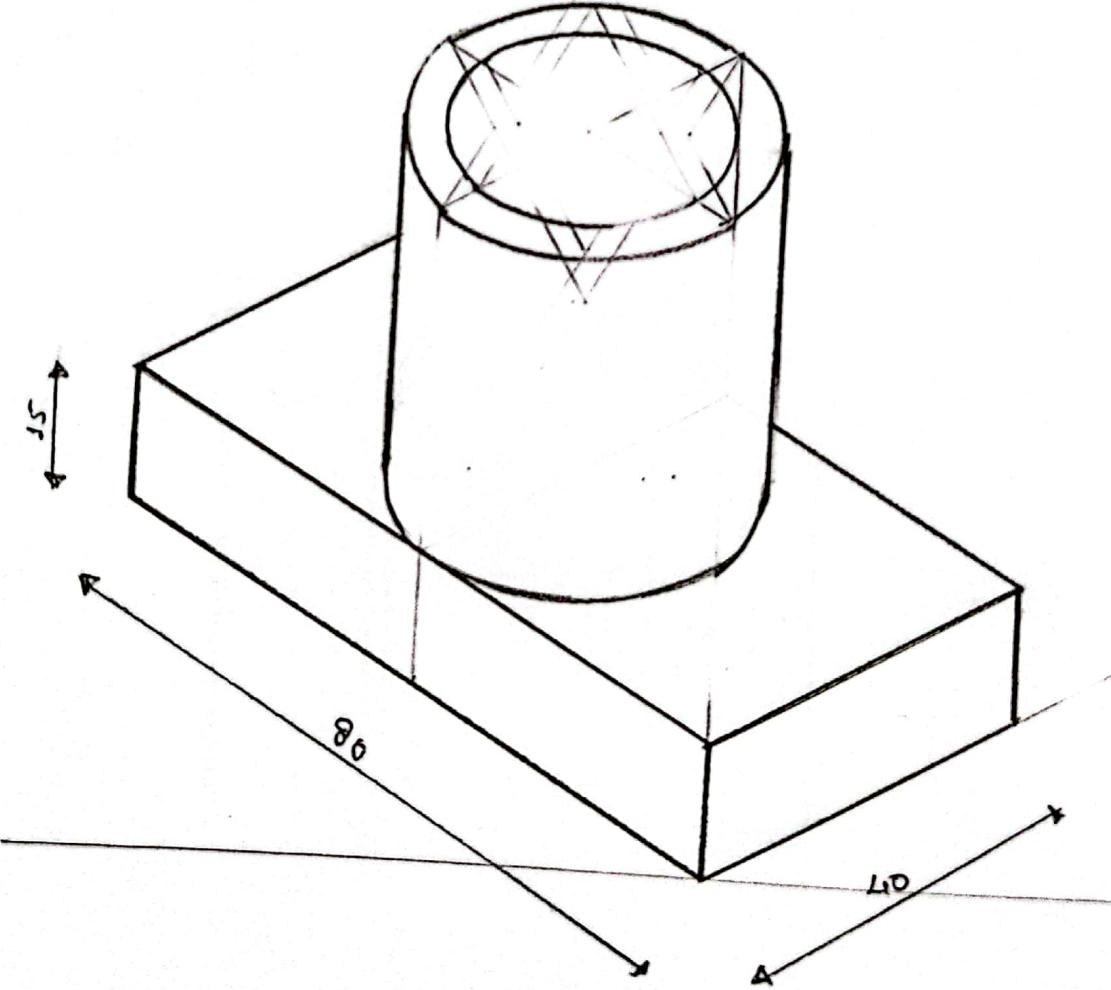
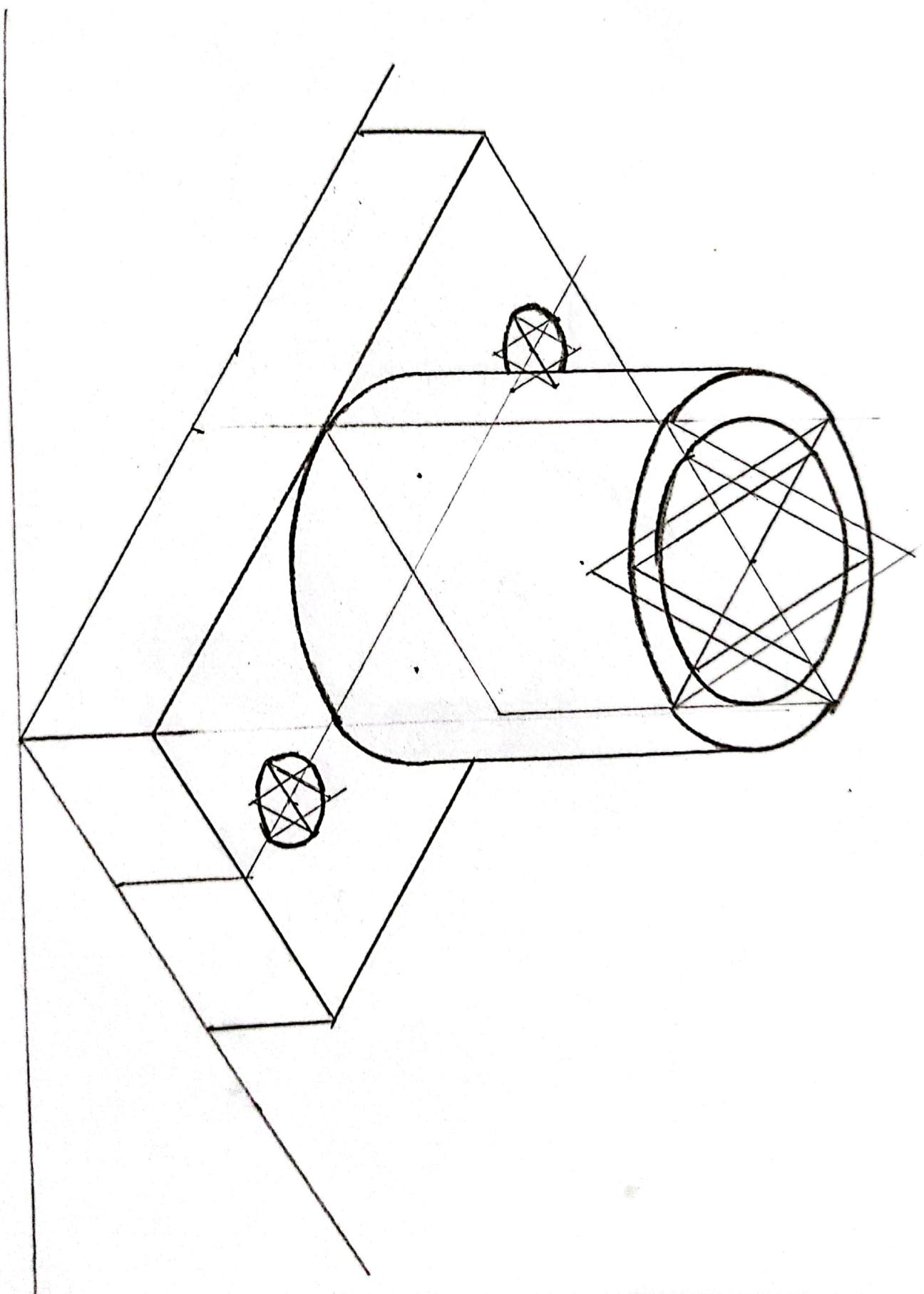


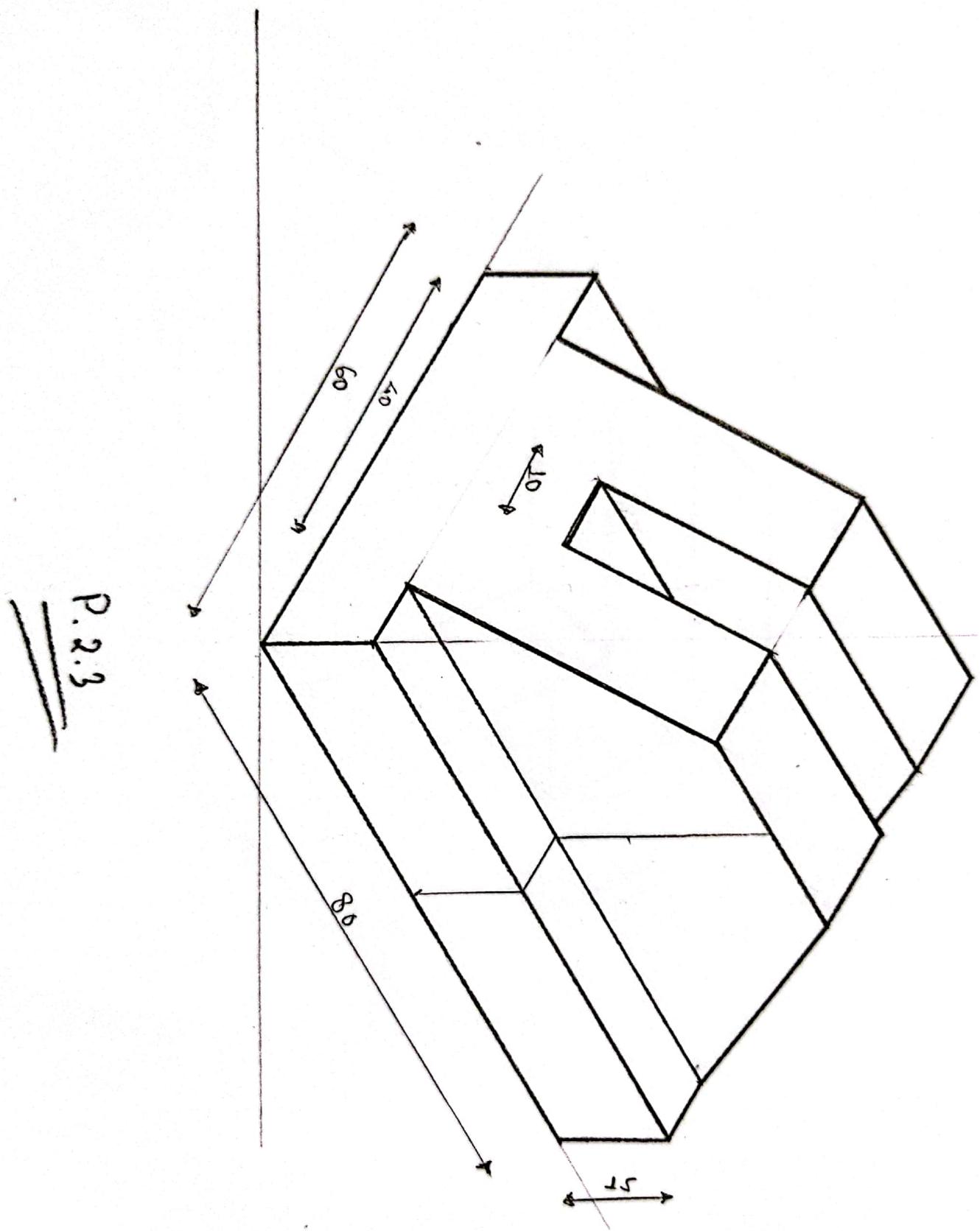
P.2.5



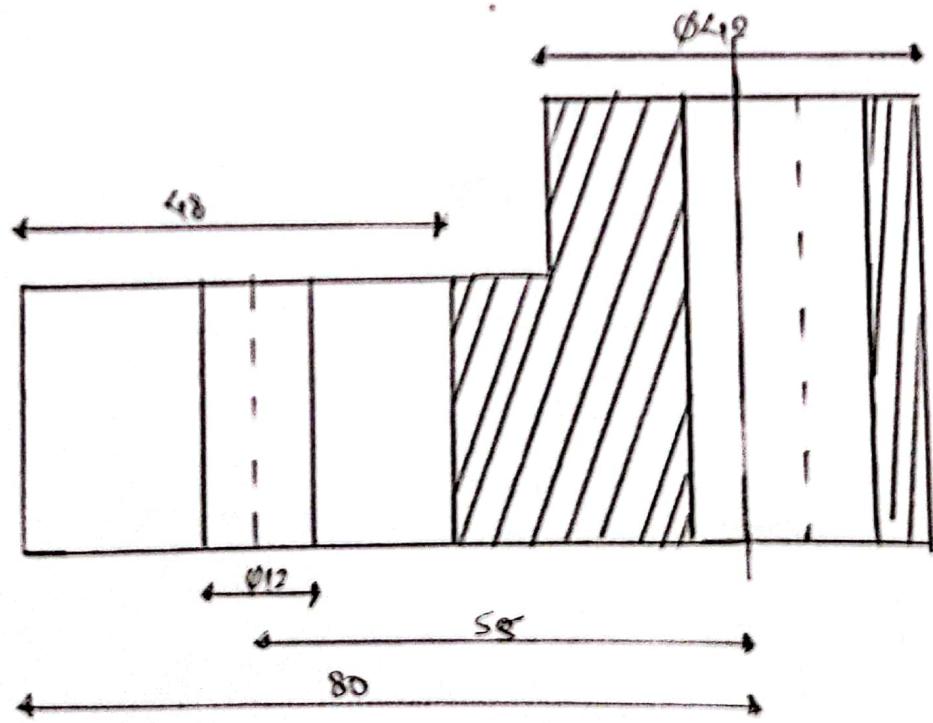
Isometric



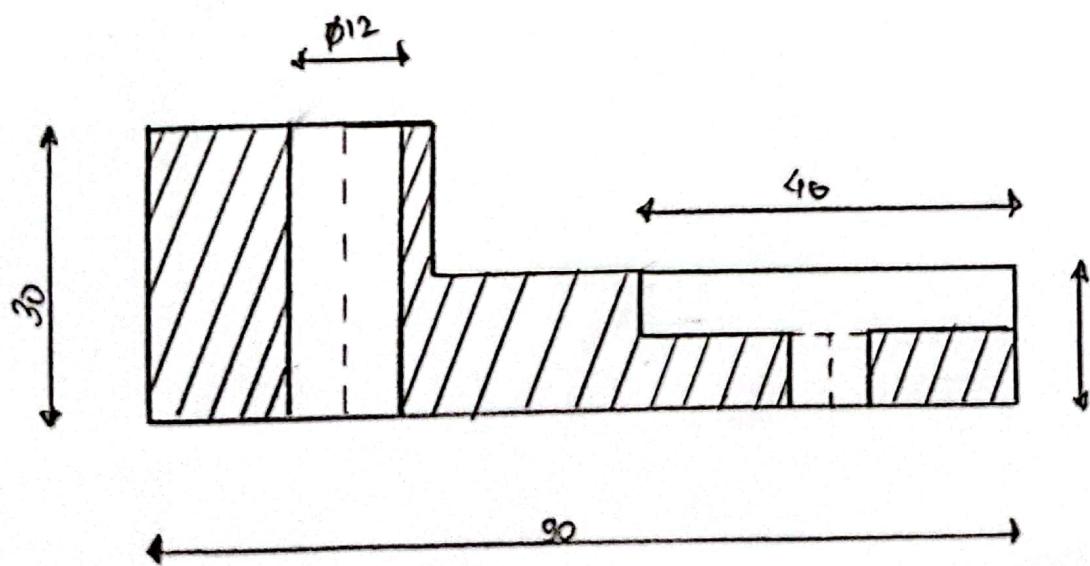




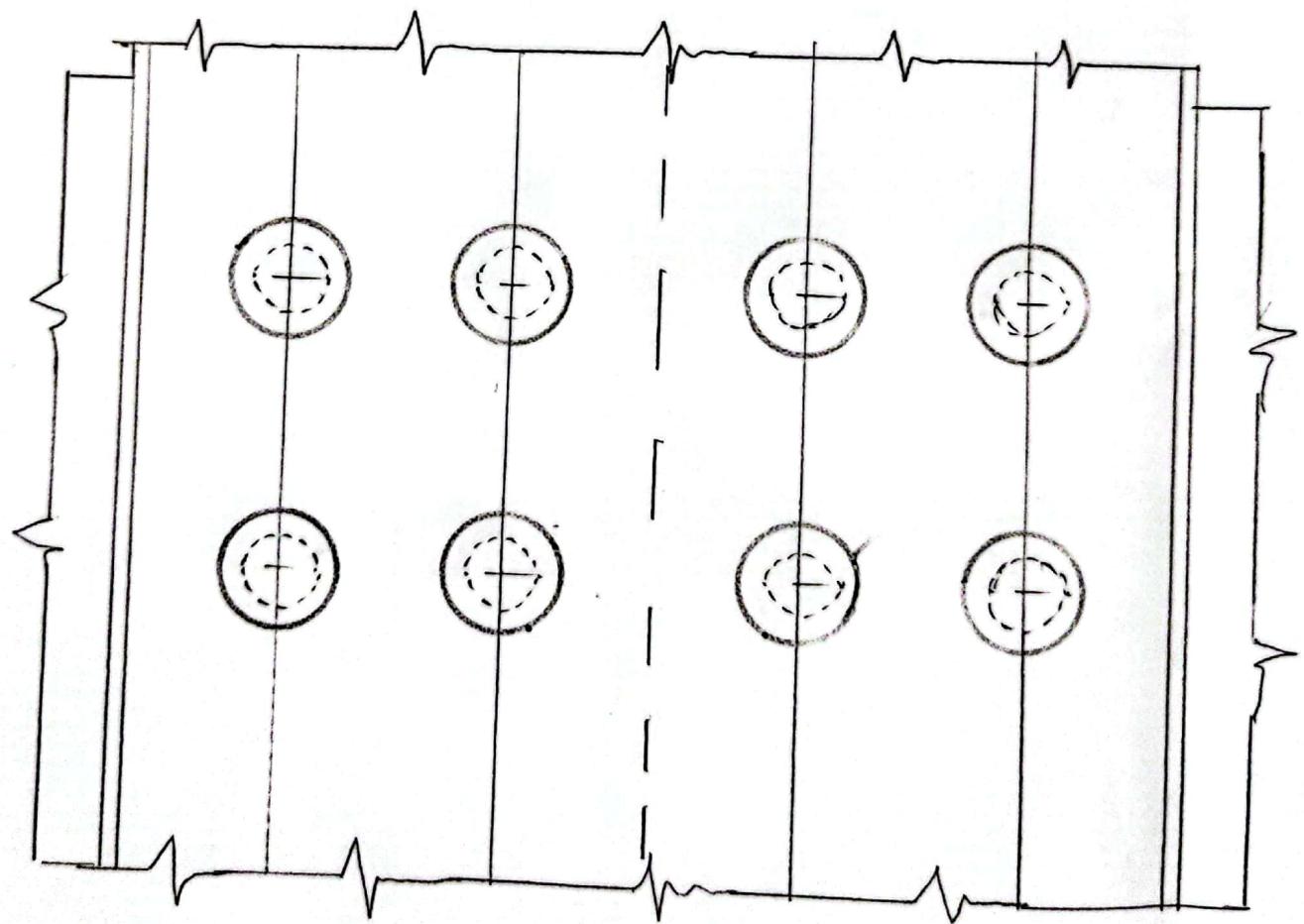
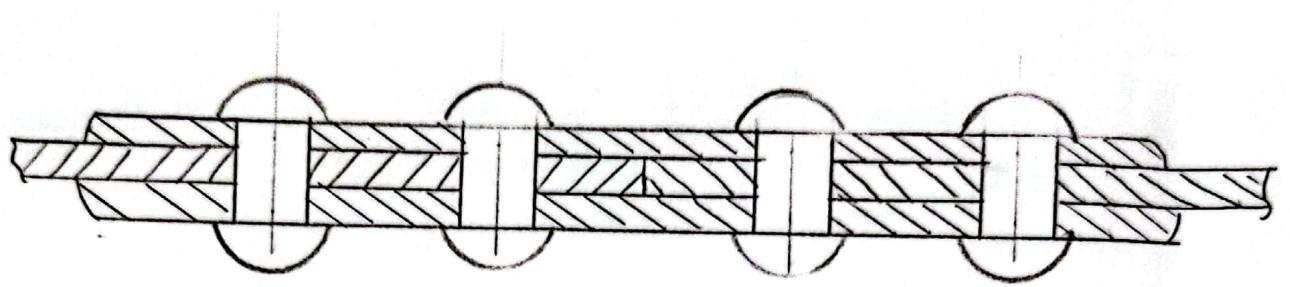
Sectional front view



Sectional front view

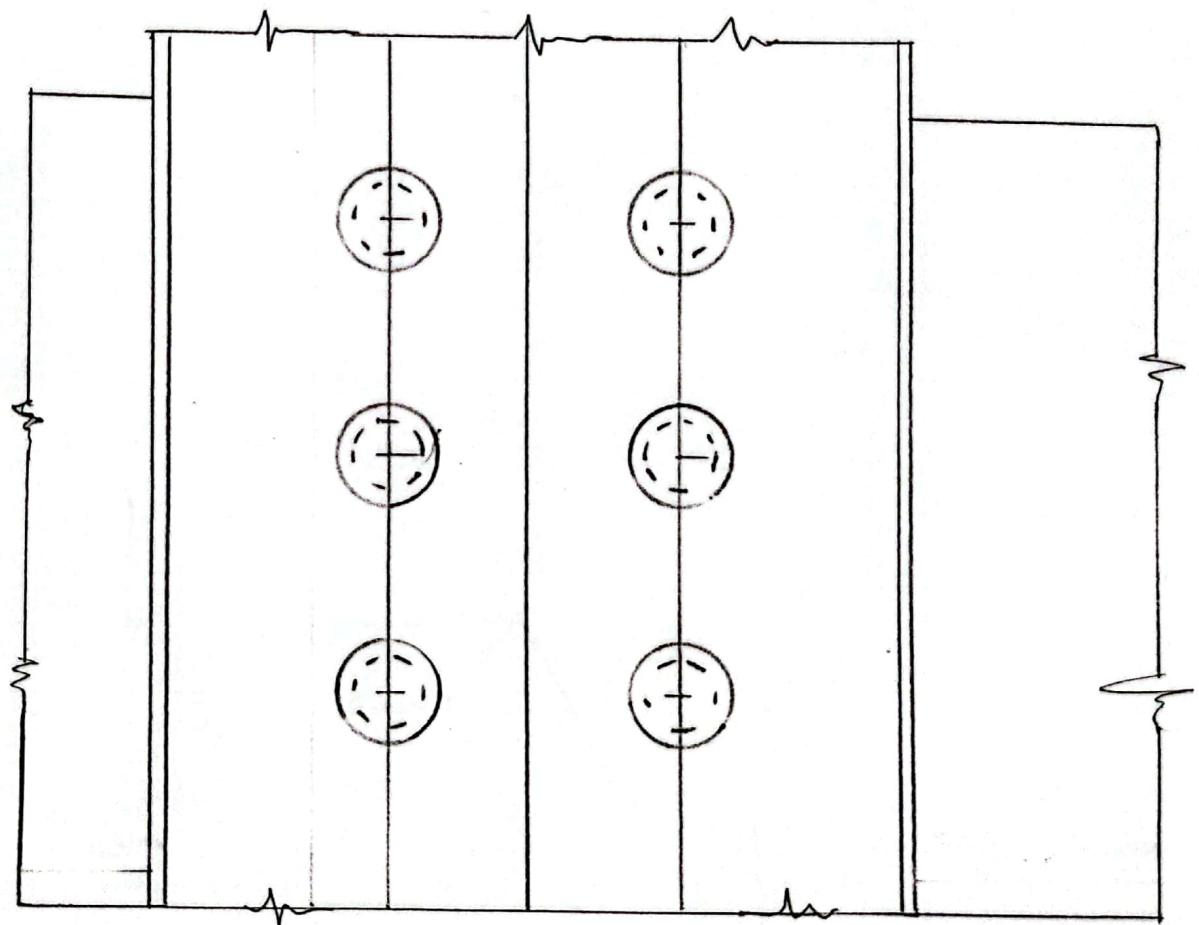
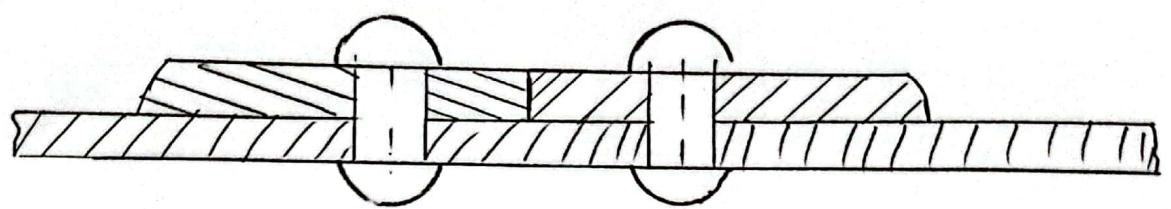


Riveted Joint



Double row double strap chain type butt joint

Riveted Joint



Single strip double row chain type.

180 S7/h6

for hole (μm)

$$ds = 180$$

$$ID = 108$$

$$IT_6 = 40$$

for shaft (μm)

$$es = 180$$

$$FD = 0$$

$$IT_6 = 25$$

$$D_{min} = 180 + 40$$

$$= 220$$

$$D_{max} = 180 + 108 + 40$$

$$= 328$$

$$d_{min} = 180 + 0$$

$$= 180$$

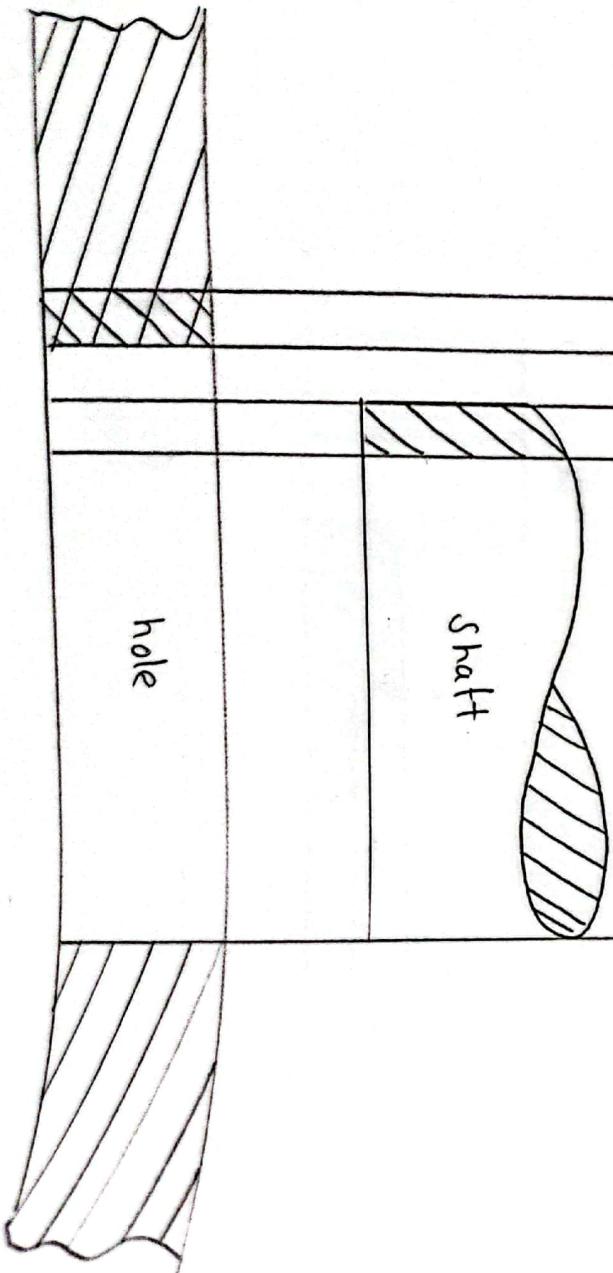
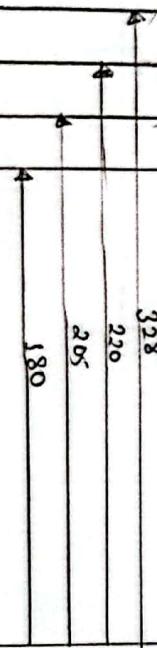
$$d_{max} = 180 + 0 + 25$$

$$= 205$$

$$D_{max} - d_{min} = 328 - 180 = 148$$

$$D_{min} - d_{max} = 220 - 205 = 15$$

$\Rightarrow IT_6$ clearance fit.



Hole & shaft [SO +IT10]

for hole (mm)

$$BS = 50$$

$$FD = 0$$

$$ITG = 0.025$$

for shaft (mm)

$$BS = 50$$

$$FD = 0.032$$

$$ITG = 0.016$$

$$\begin{aligned} D_{\min} &= 50 + 0 \\ &= 50 \end{aligned}$$

$$\begin{aligned} d_{\min} &= 50 + 0.032 \\ &= 50.032 \end{aligned}$$

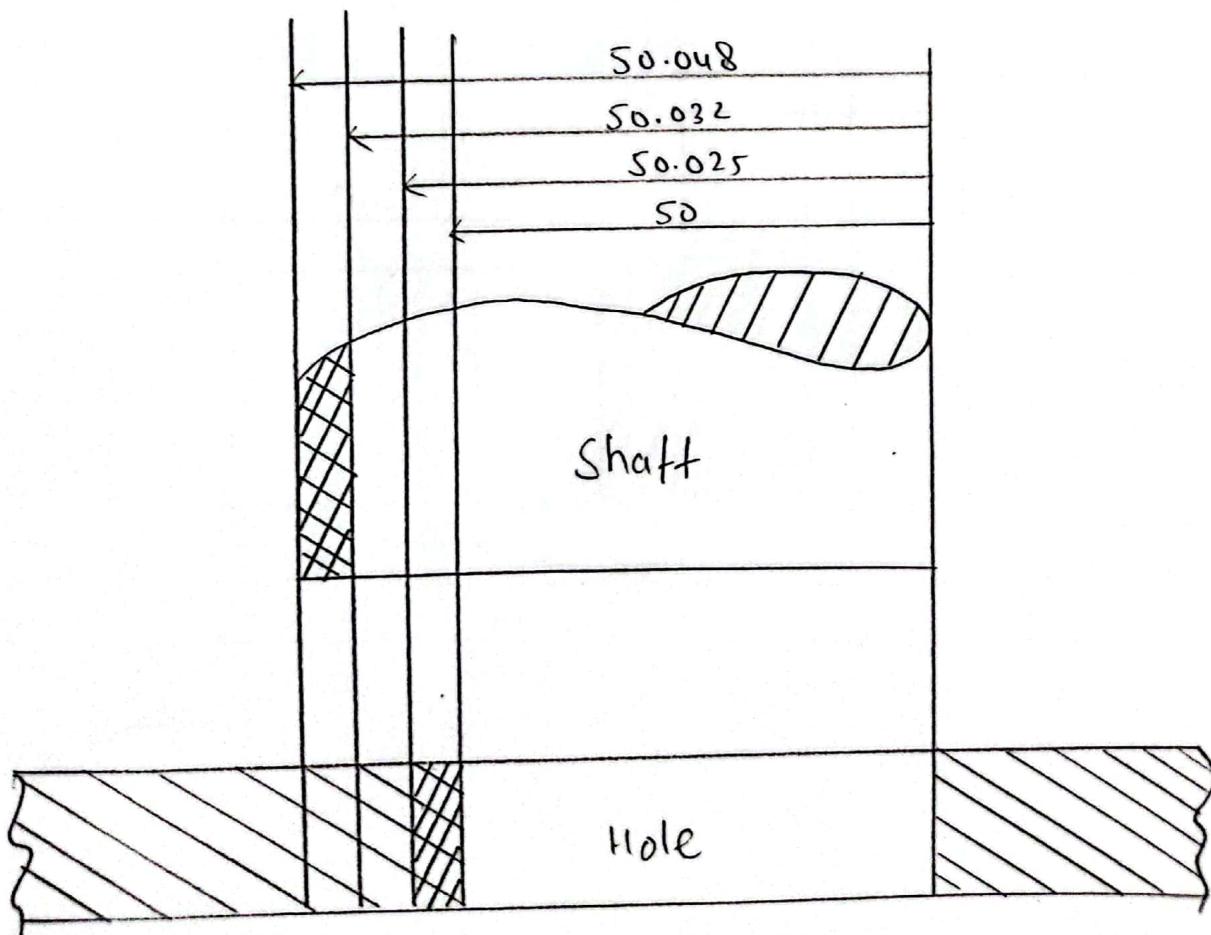
$$\begin{aligned} D_{\max} &= 50 + 0 + 0.025 \\ &= 50.025 \end{aligned}$$

$$\begin{aligned} d_{\max} &= 50 + 0.032 + 0.016 \\ &= 50.048 \end{aligned}$$

$$D_{\max} - d_{\min} = 50.025 - 50.032 = (-ve)$$

$$D_{\min} - d_{\max} = 50 - 50.048 = (-ve)$$

It is



Holes & Shaft [50 H8 p7]

for holes (mm)

$$BS = 50$$

$$fO = 0.00$$

$$fQT = 0.039$$

for shaft (mm)

$$BS = 50$$

$$fD = 0.025$$

$$fGT = 0.025$$

$$D_{max} = 50 + 0.039 \\ = 50.039$$

$$D_{min} = 50 + 0 \\ = 50$$

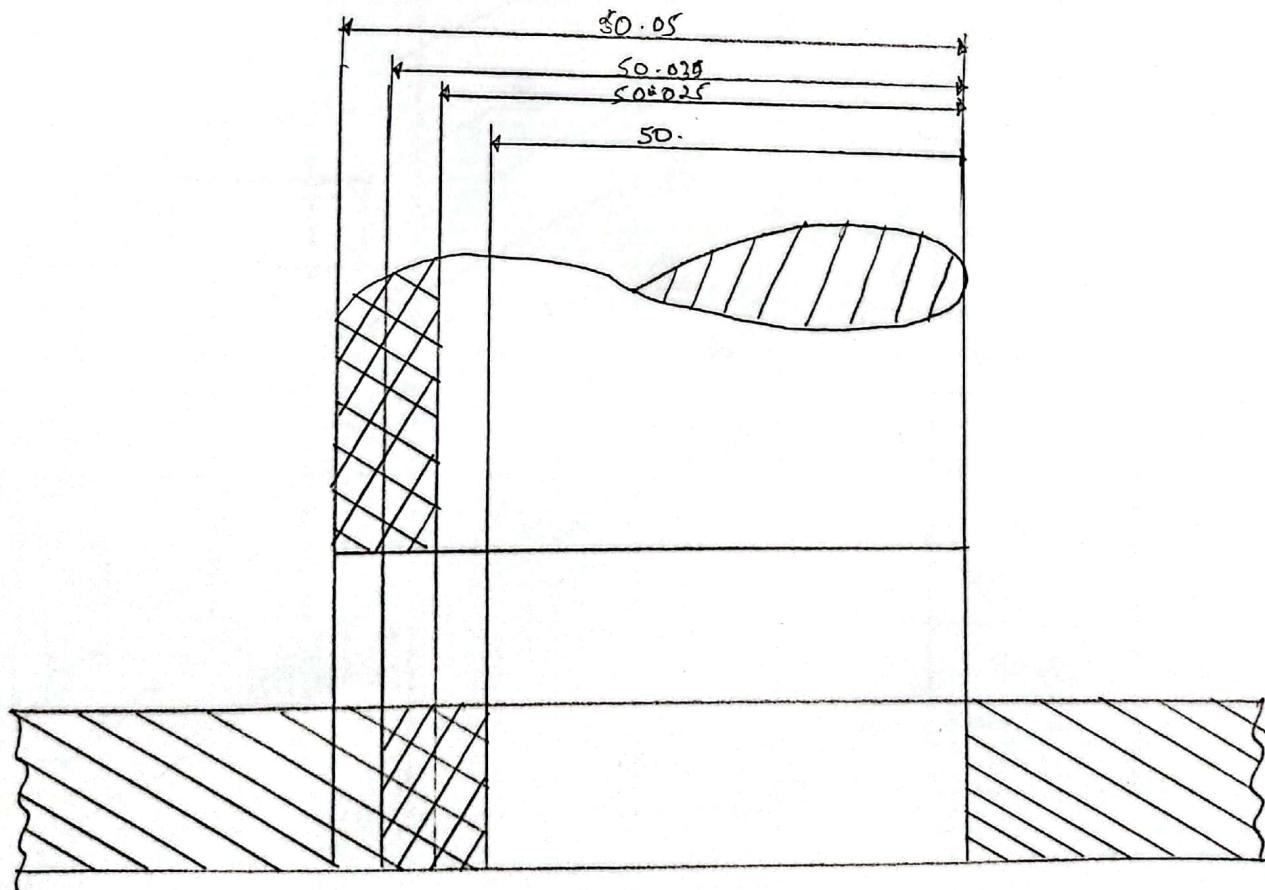
$$d_{min} = 50 - 0.025 \\ = 50 - 0.025$$

$$d_{max} = 50 - 0.025 + 0.025 \\ = 50.0$$

$$D_{max} - d_{min} = 50.039 - 50.0 = 0.014$$

$$D_{min} - d_{max} = 50 - 50.025 = -0.025$$

It is transition fit.



180 S7/h6

for hole (mm)

$$BS = 180$$

$$FD = 108$$

$$IT_6 = 40$$

for shaft (mm)

$$BS = 180$$

$$FD = 0.$$

$$IT_6 = 25$$

$$\begin{aligned}D_{max} &= 180 + 108 + 40 \\&= 328\end{aligned}$$

$$\begin{aligned}d_{min} &= 180 + 0 \\&= 180\end{aligned}$$

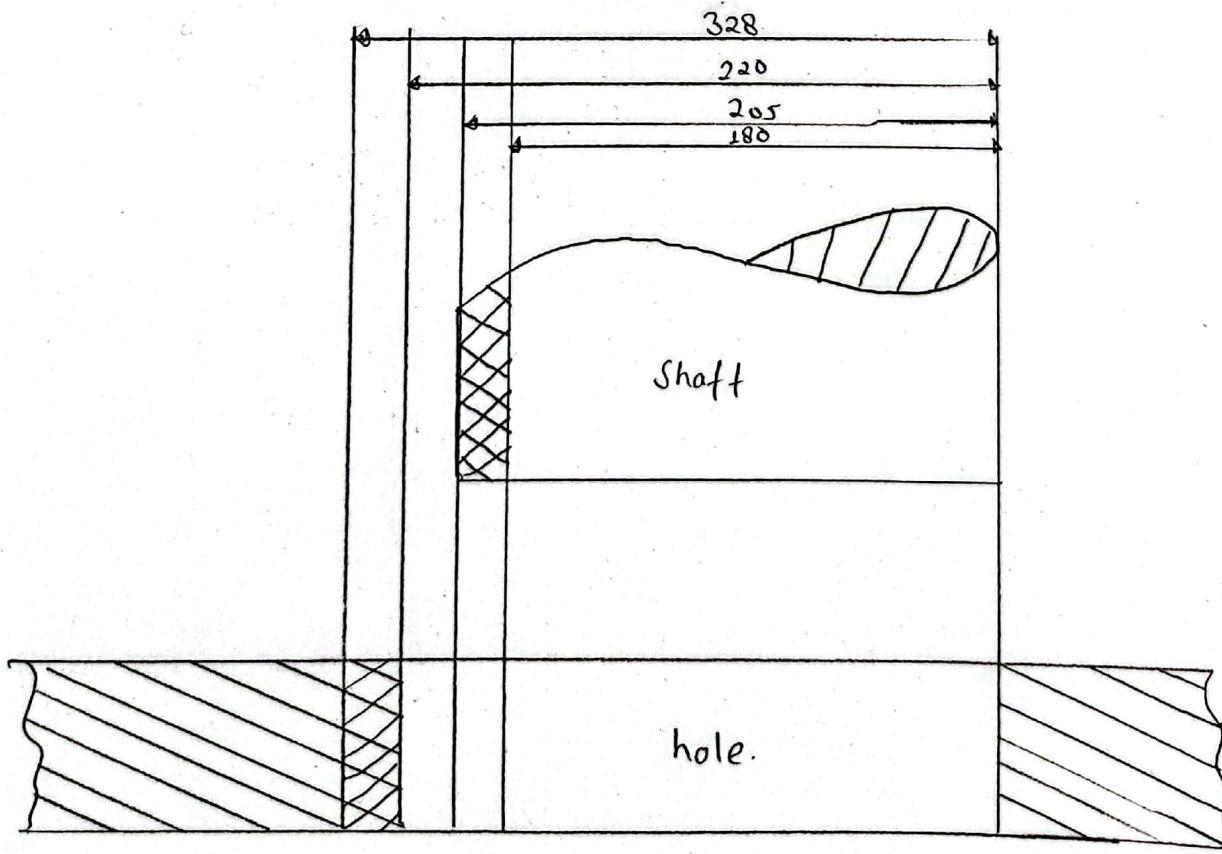
$$\begin{aligned}D_{min} &= 180 + 40 \\&= 220\end{aligned}$$

$$\begin{aligned}d_{max} &= 180 + 25 \\&= 205\end{aligned}$$

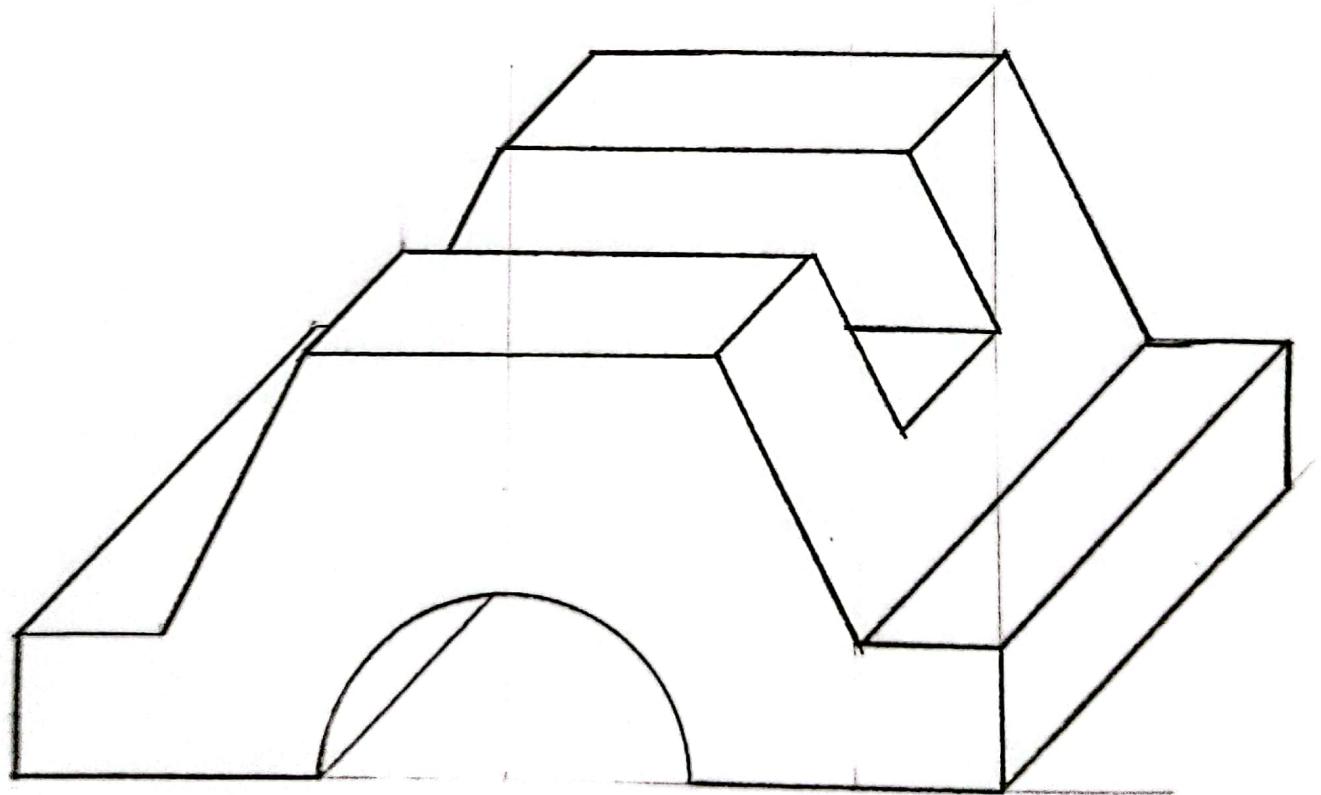
$$D_{max} - d_{min} = 328 - 180 = 148$$

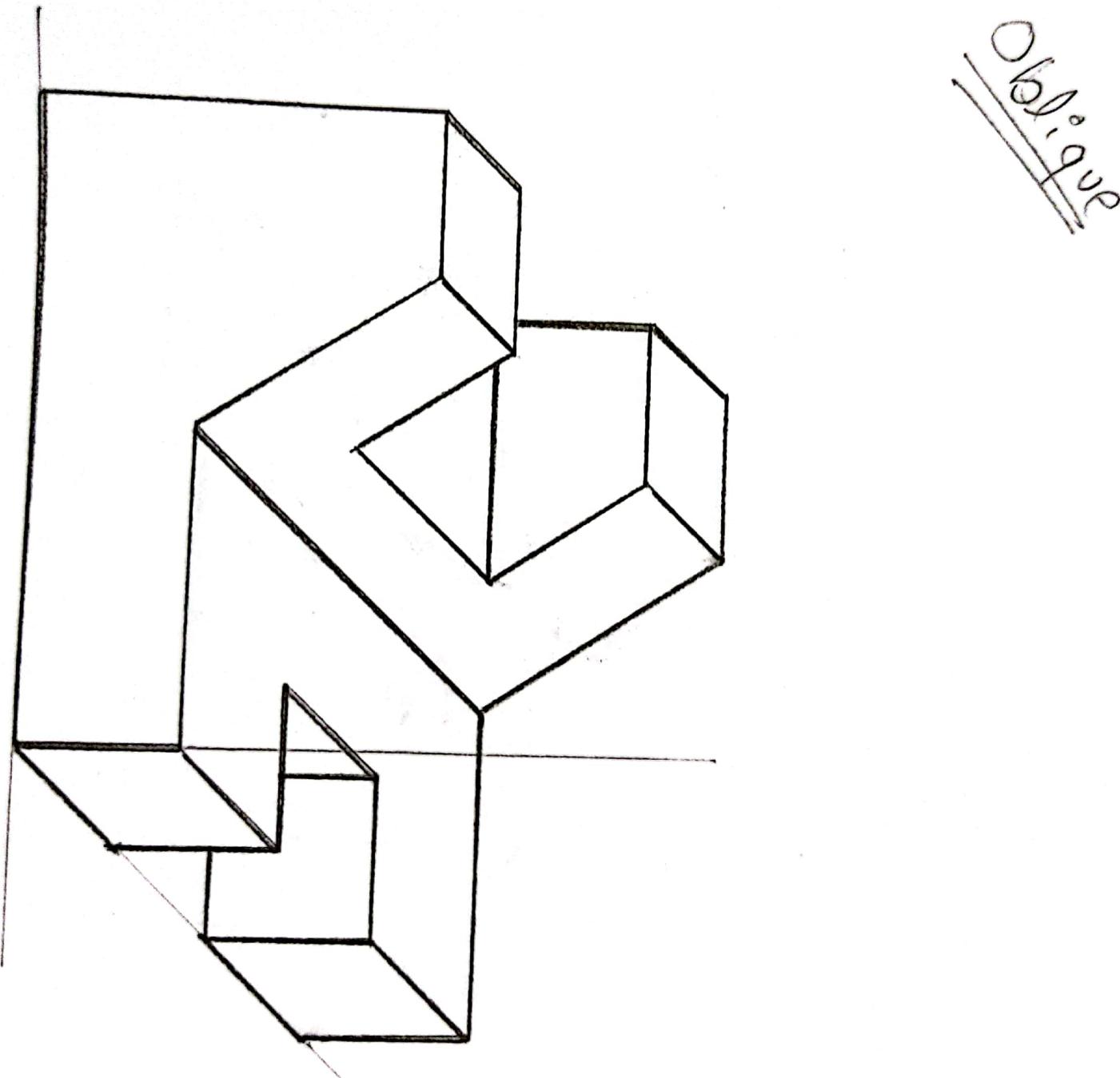
$$D_{min} - d_{max} = 220 - 205 = 15$$

If it is clearance fit.

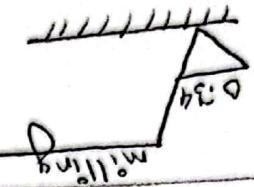
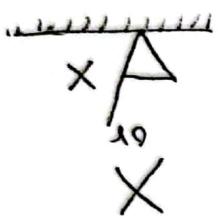
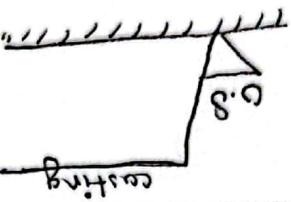
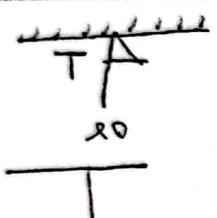
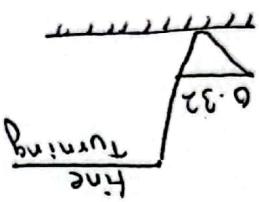
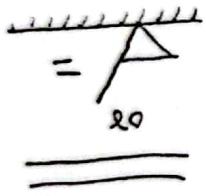
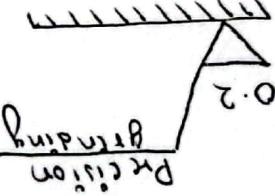
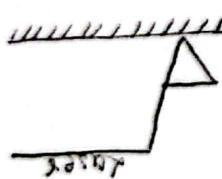


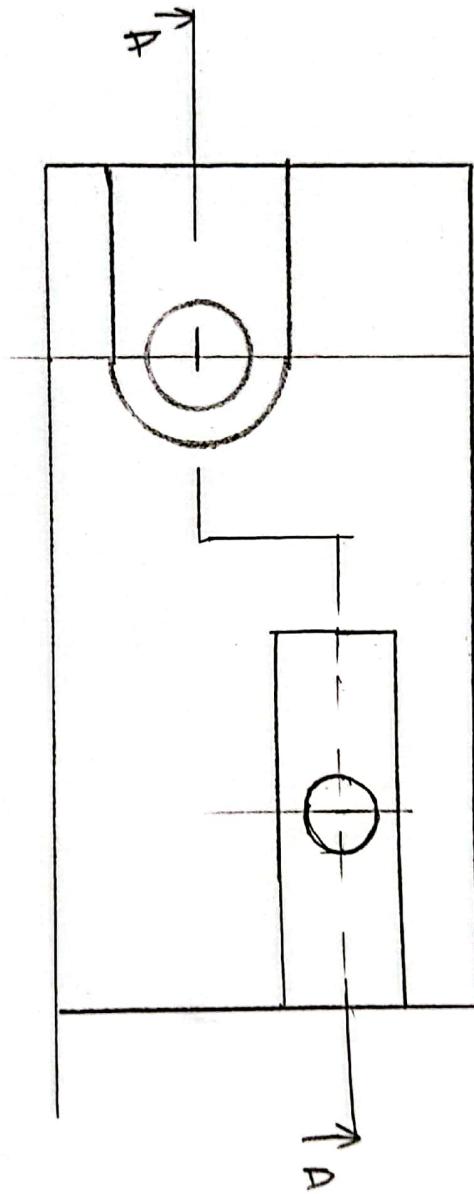
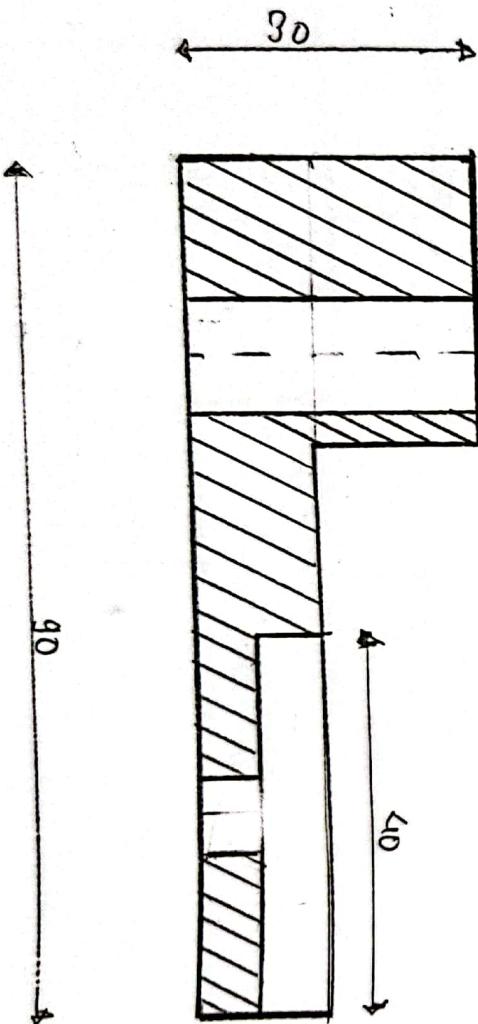
Obl. que



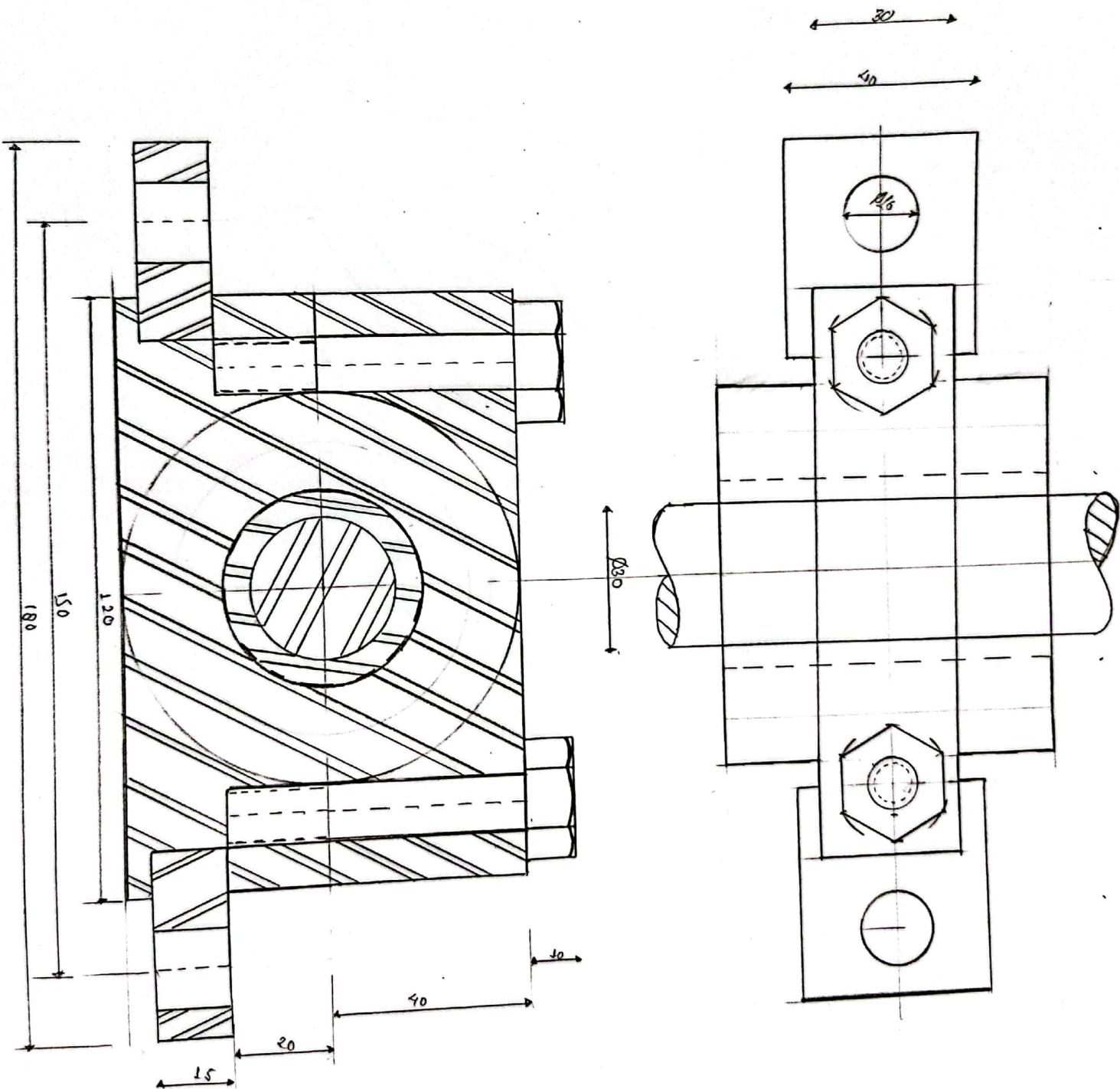


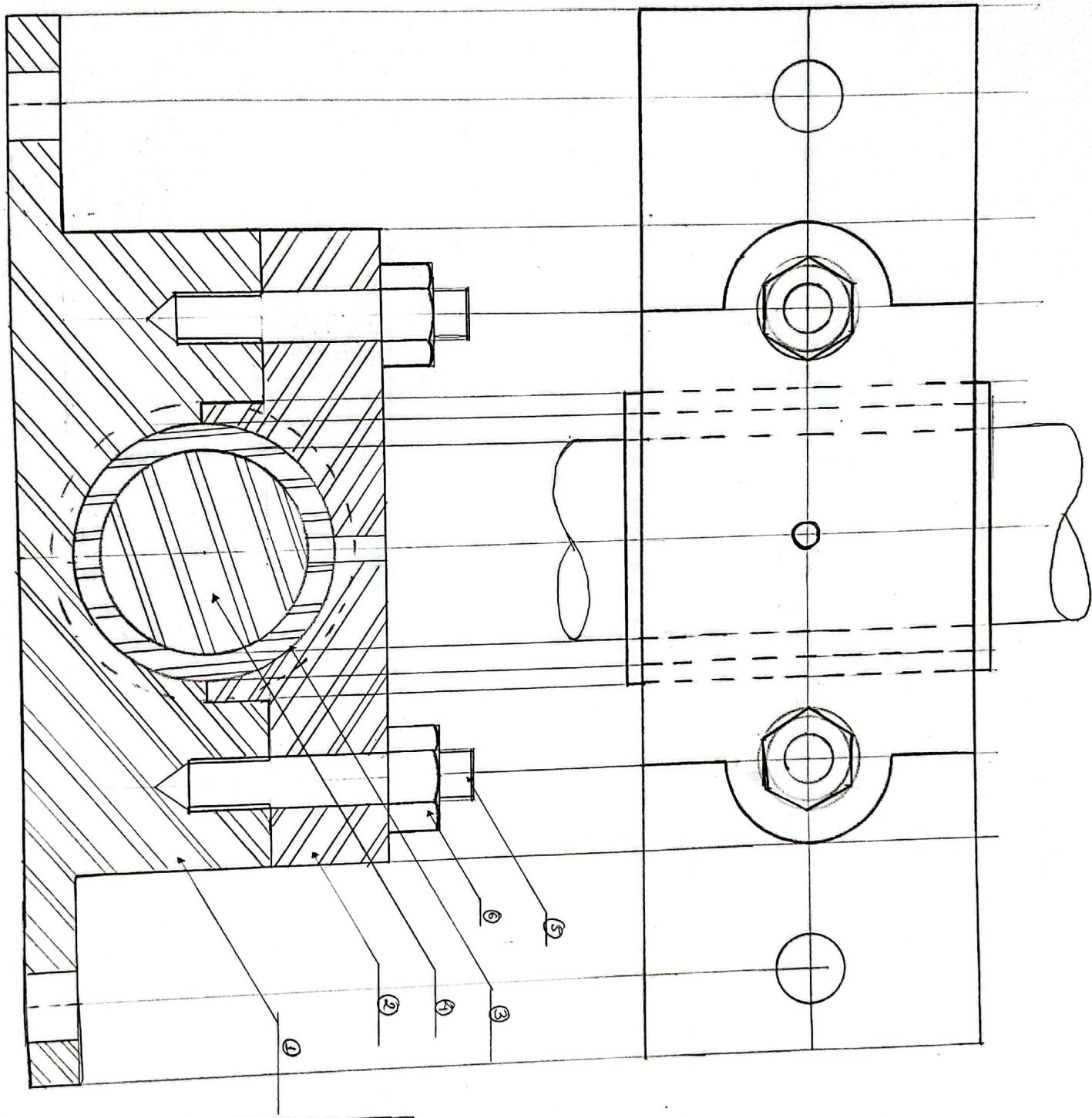
Name	Symbol	Name	Symbol
Joint	—H—	Bushing	—□—
Cap	—J—	Cross	+ + +
Cross over	+ — +	Elbow go.	+ +
Expansion Joint	+ — +	Street	+ +
Base Elbow	+ + +	Plug	—△—

	Least median condition		Milling
	Crossed directions		Crossing
	Perpendicular to the plane		Turning
	Parallel to the plane		Grinding
	Least		Double 5
Name	Symbols	Symbol	Name



Sectional front view





Part No.	Name of Part	No. of Re.
1	Base	1
2	Cap	1
3	Bush	1
4	Shaft	1
5	M12 bolt	2
6	M12 nut	2

