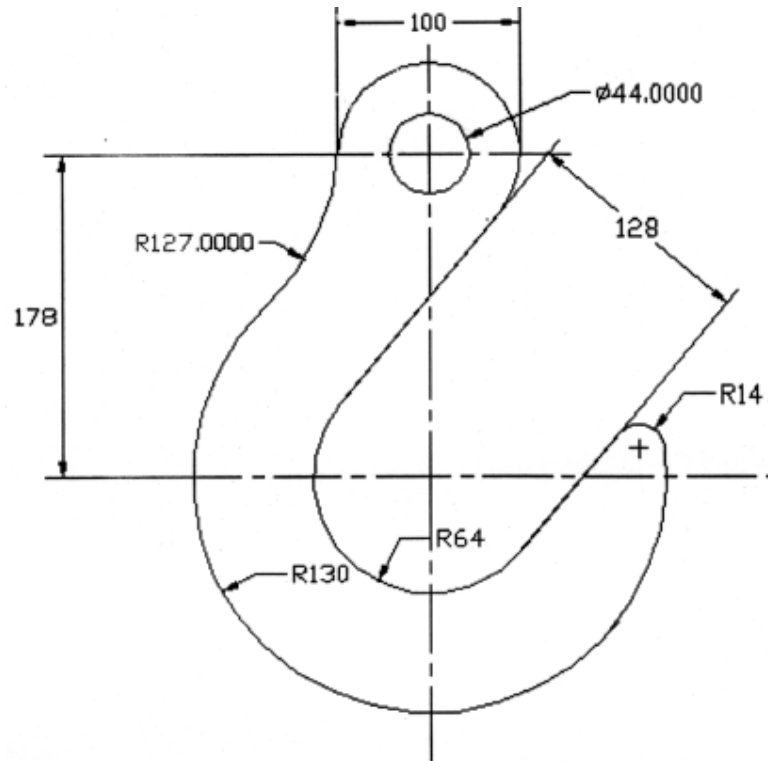
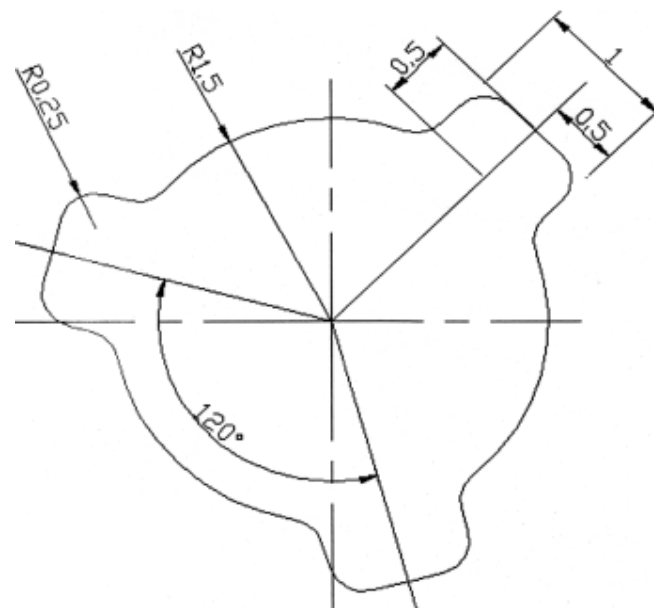


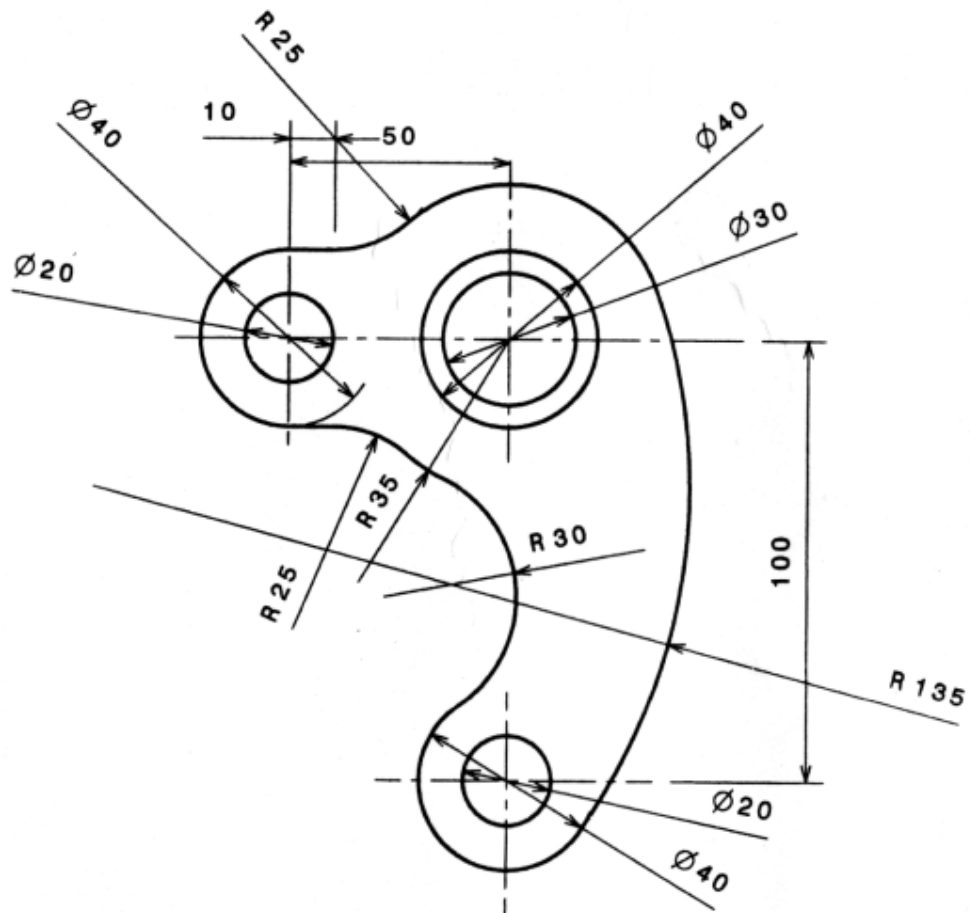
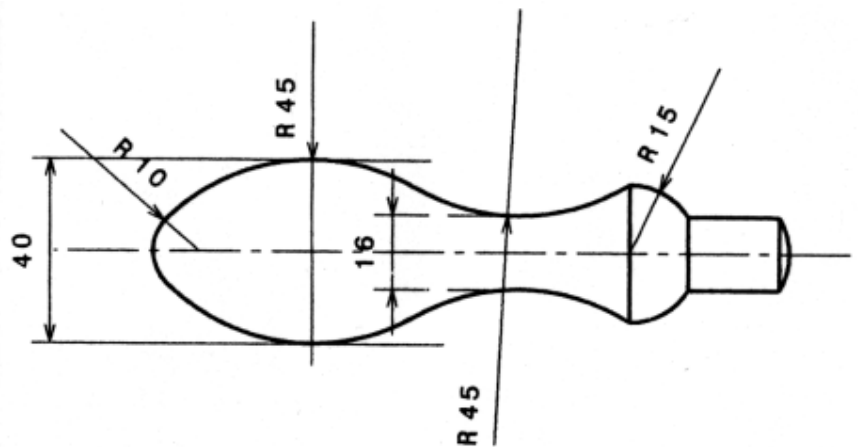


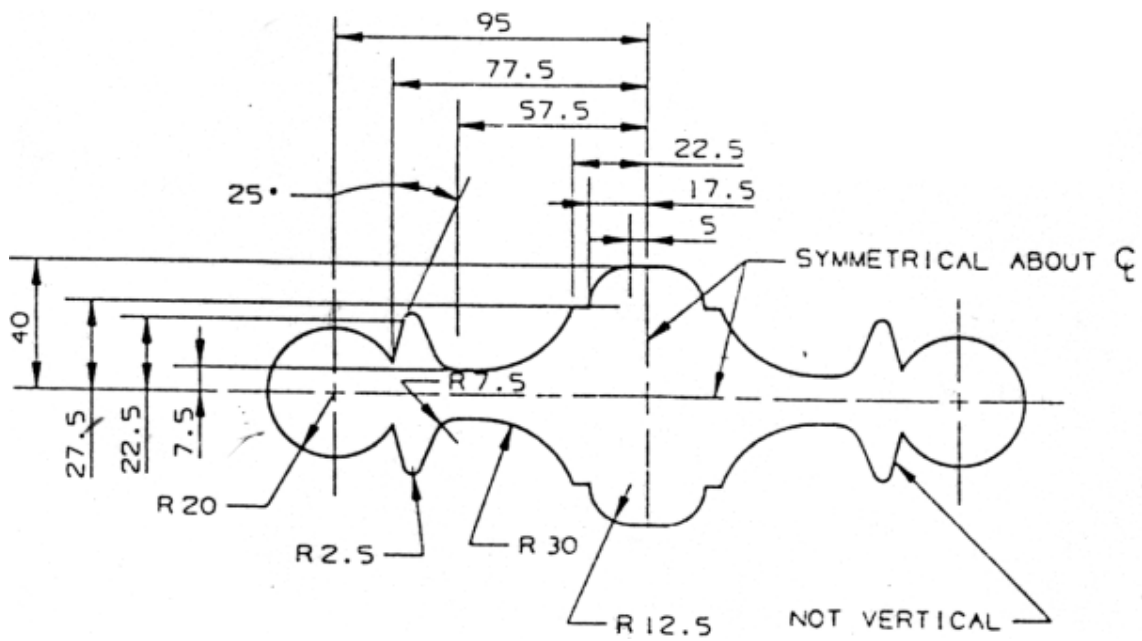
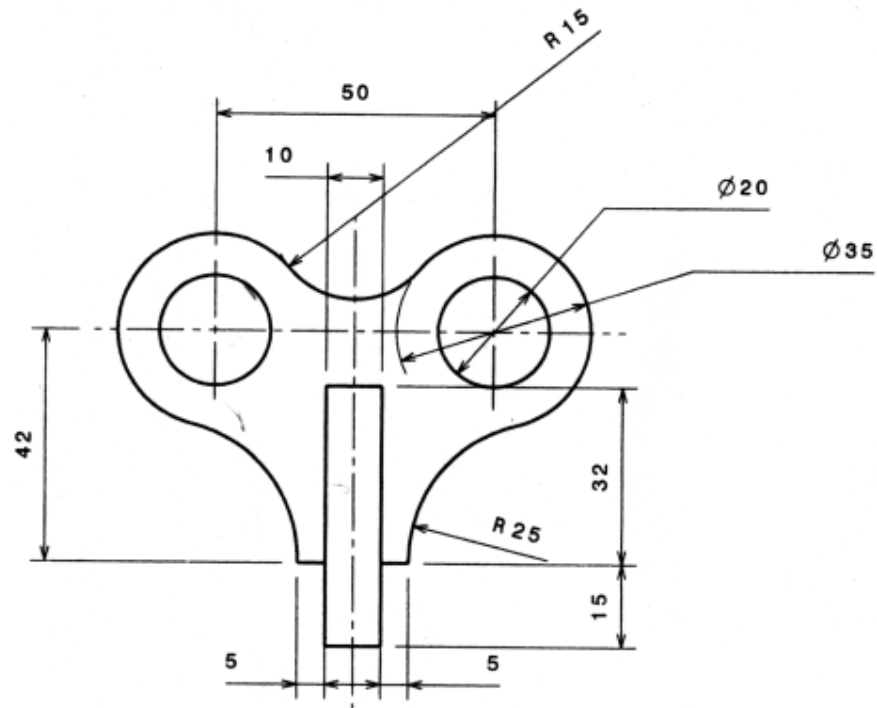
# Sketcher



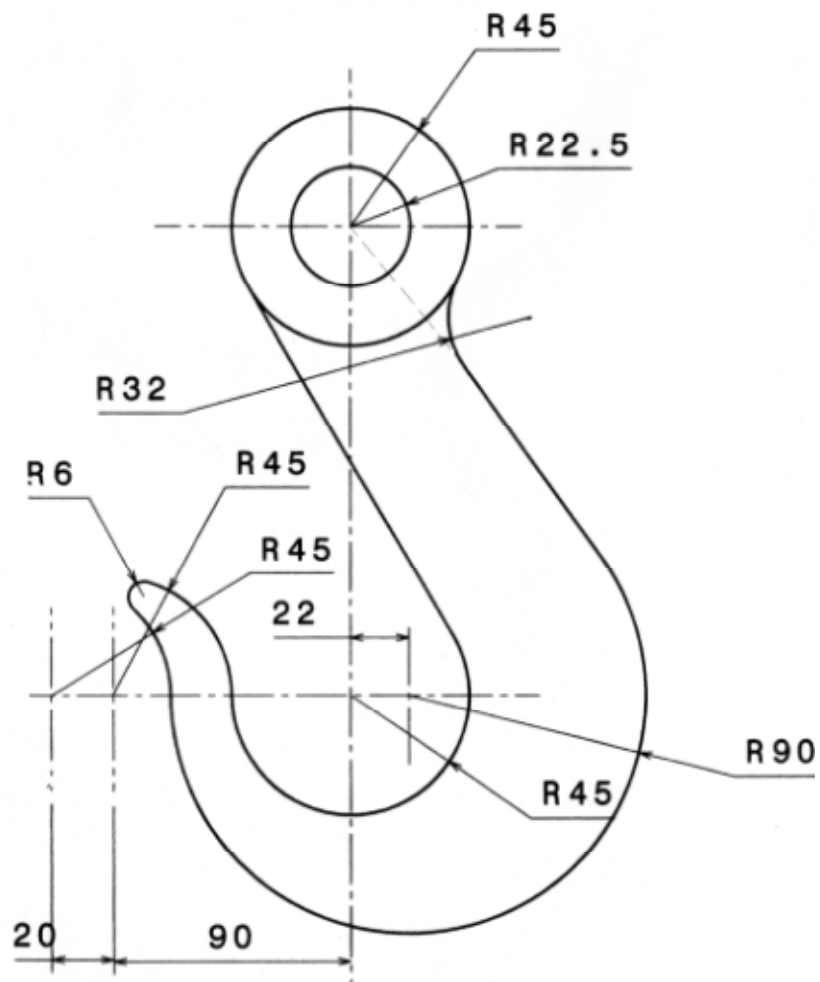
Foundry hook

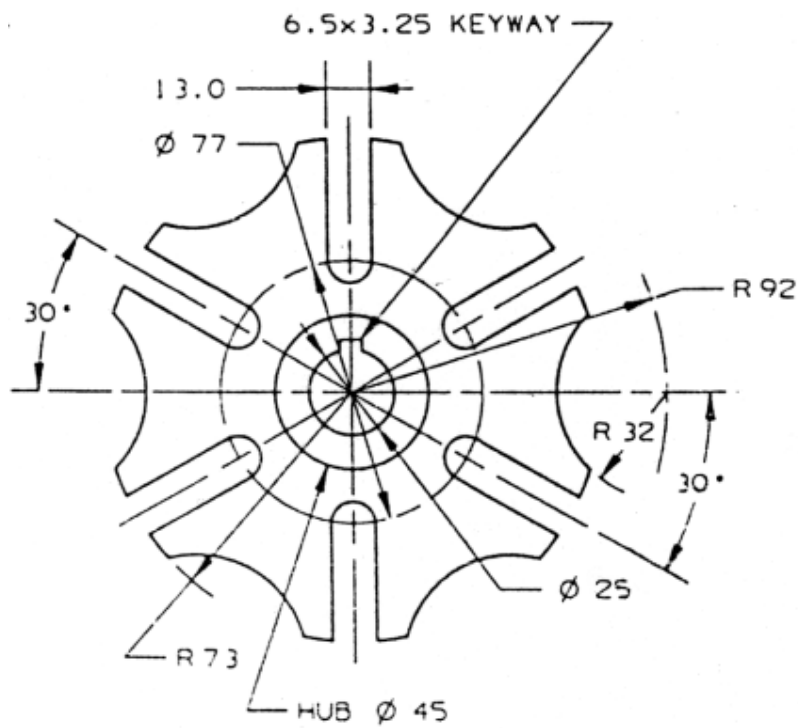
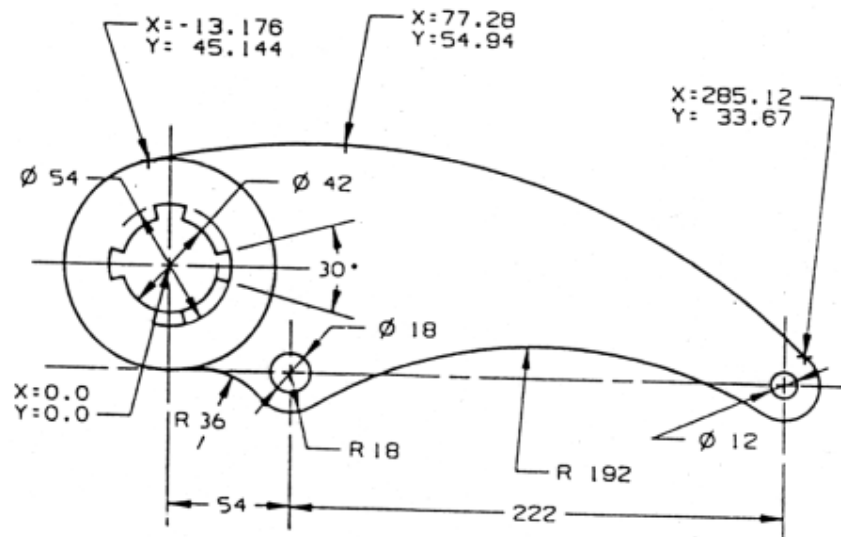




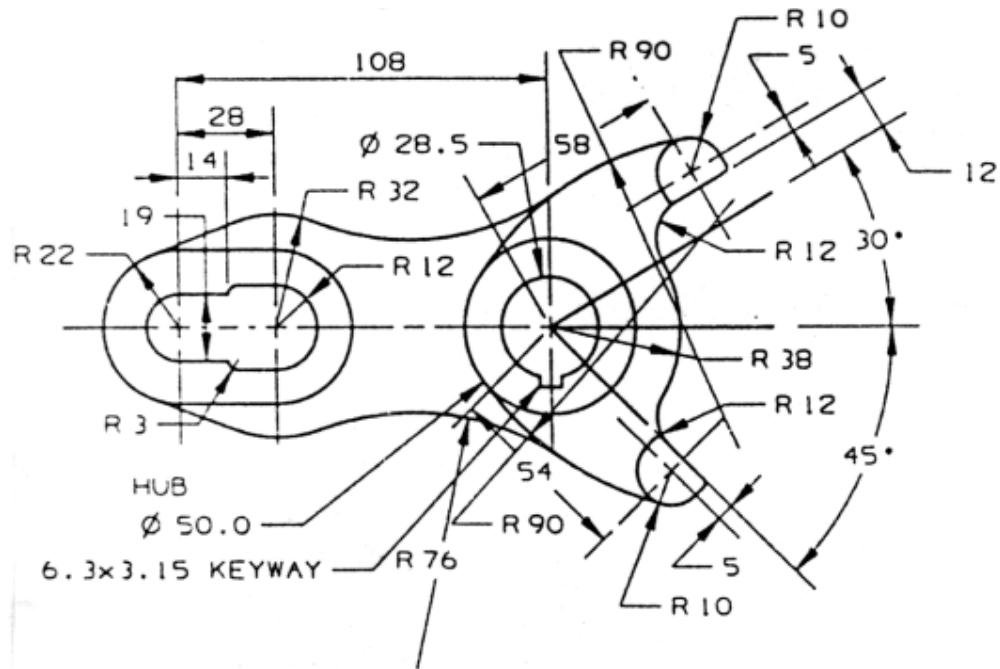


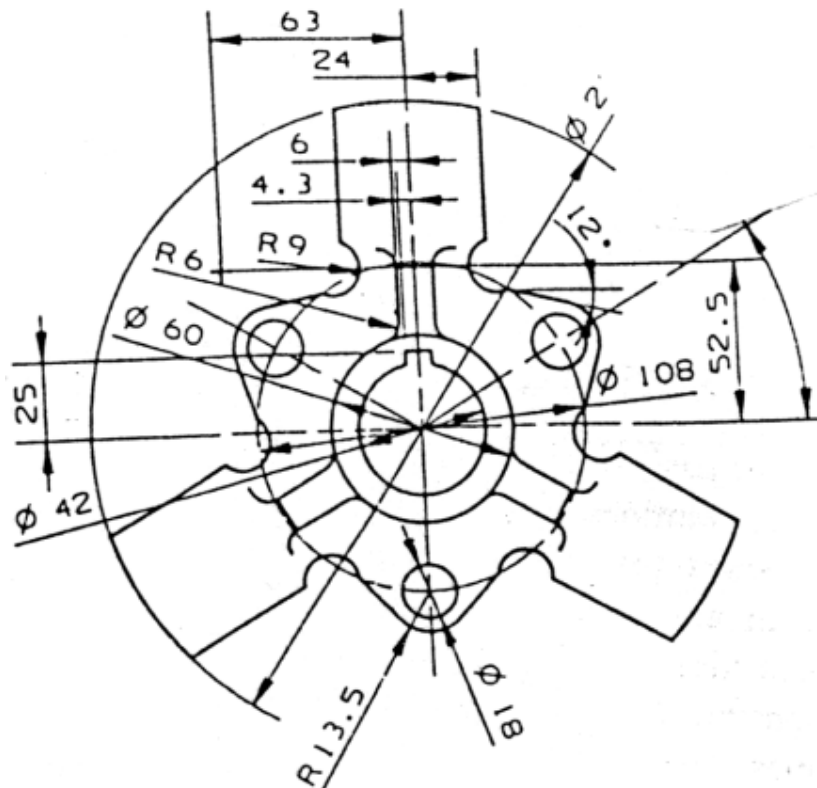
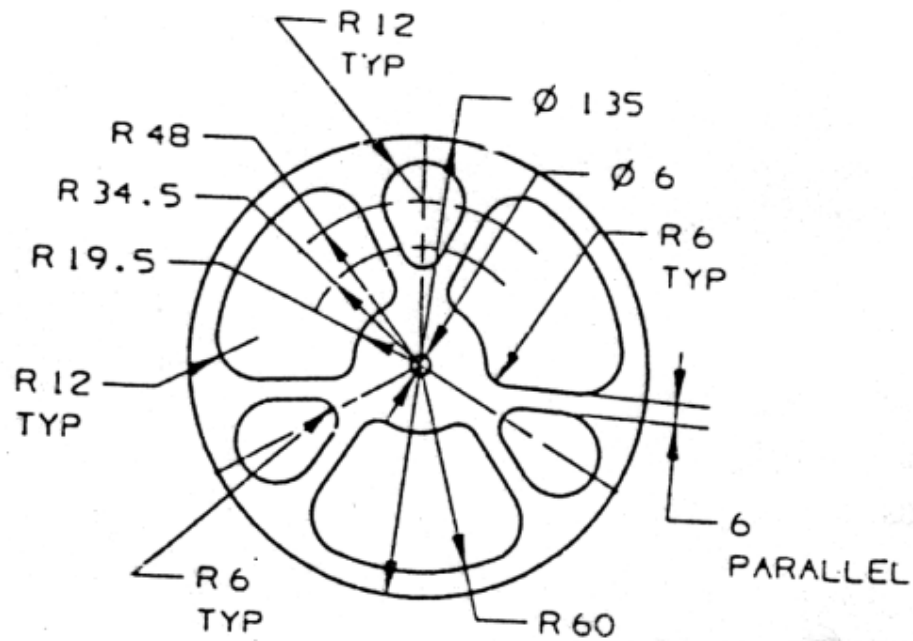




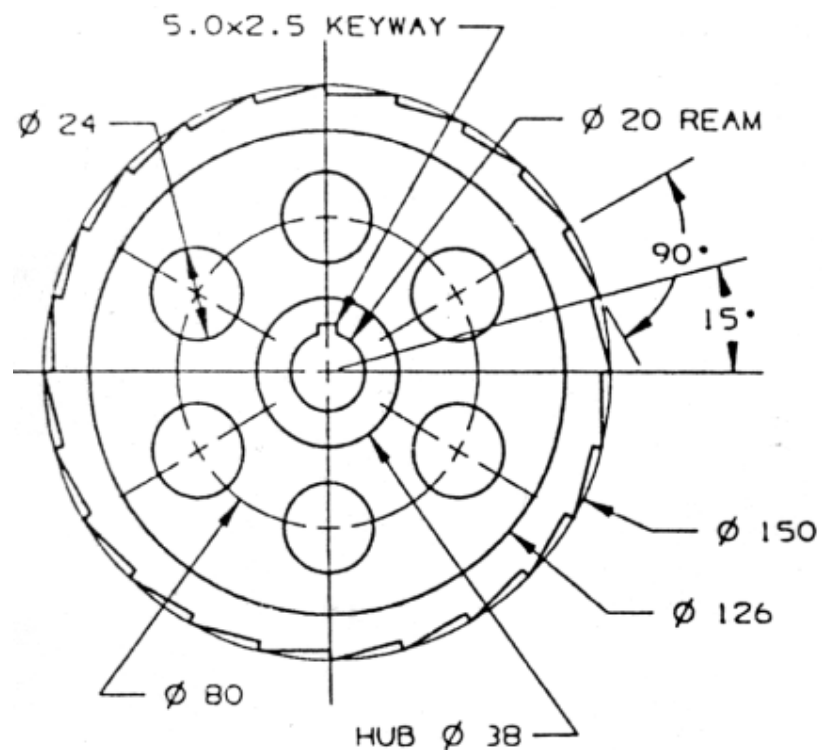


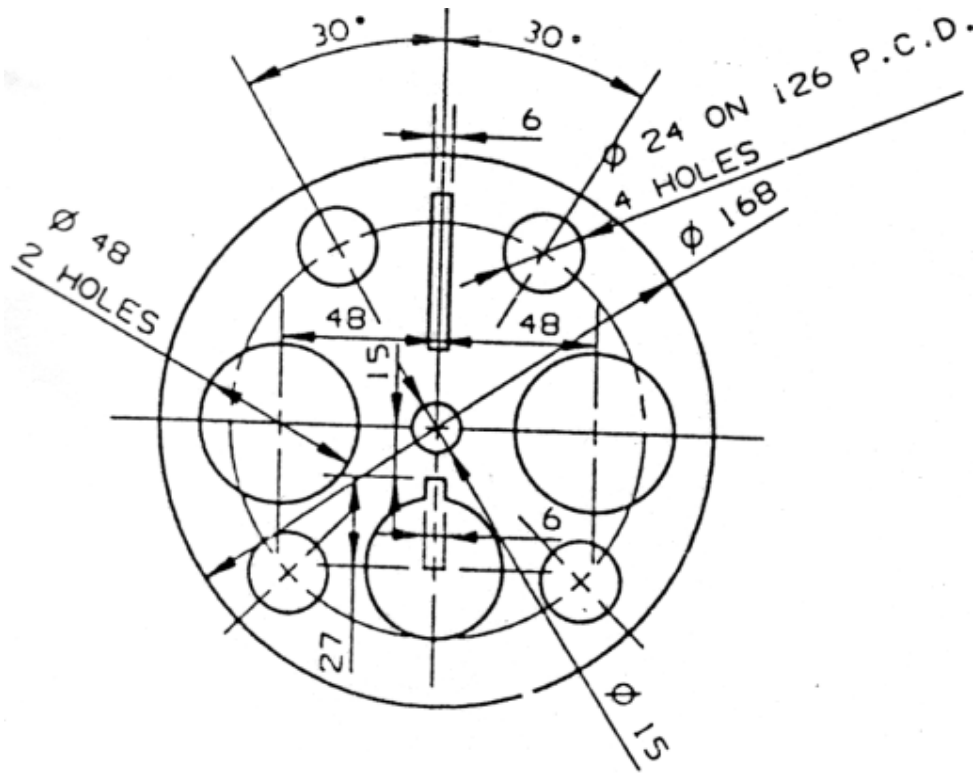




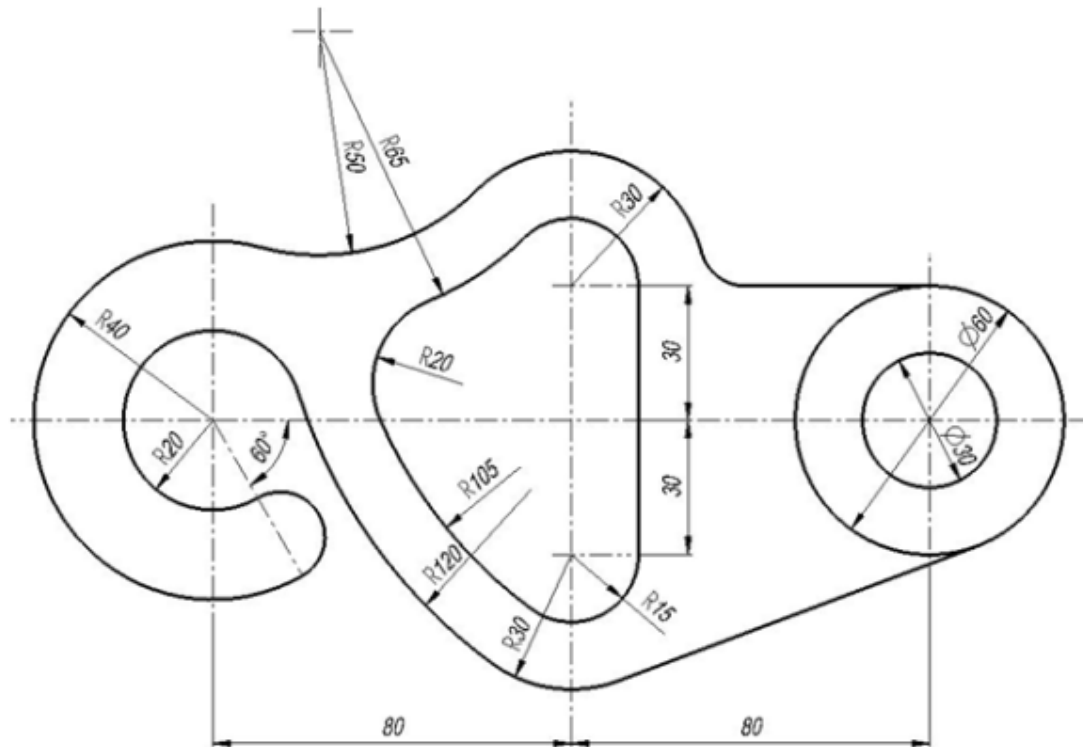




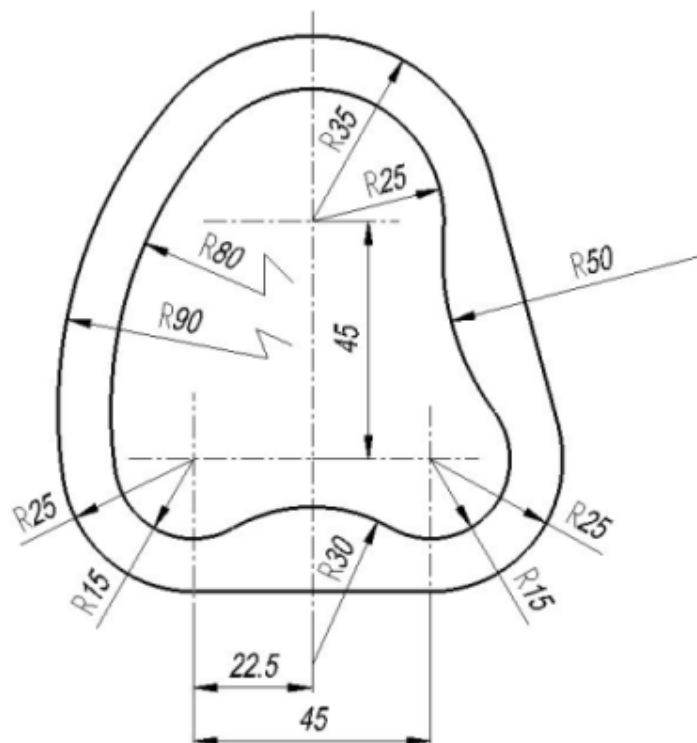


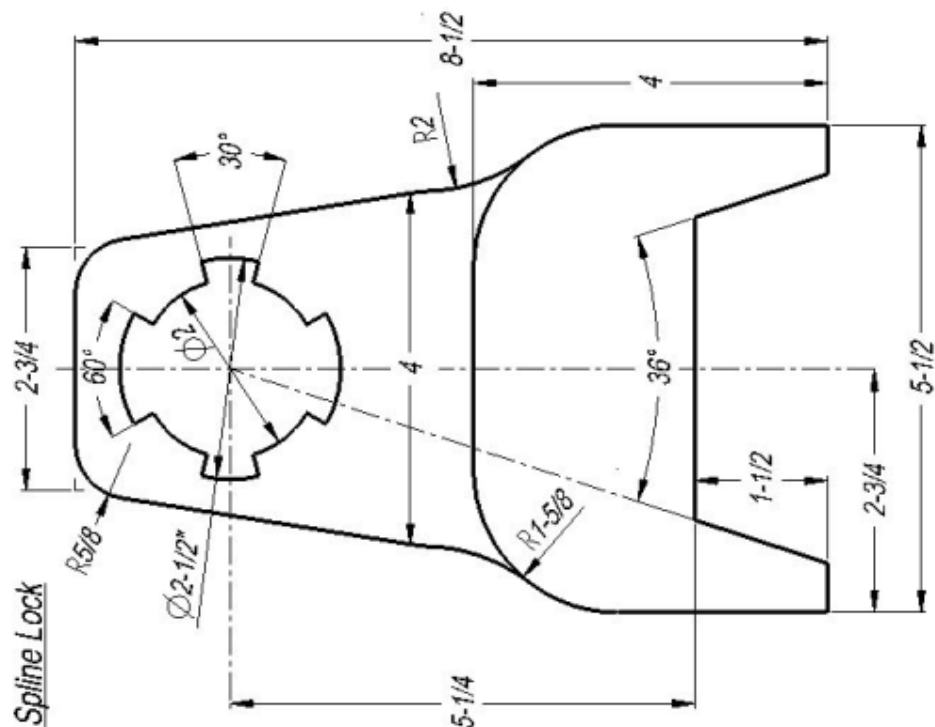
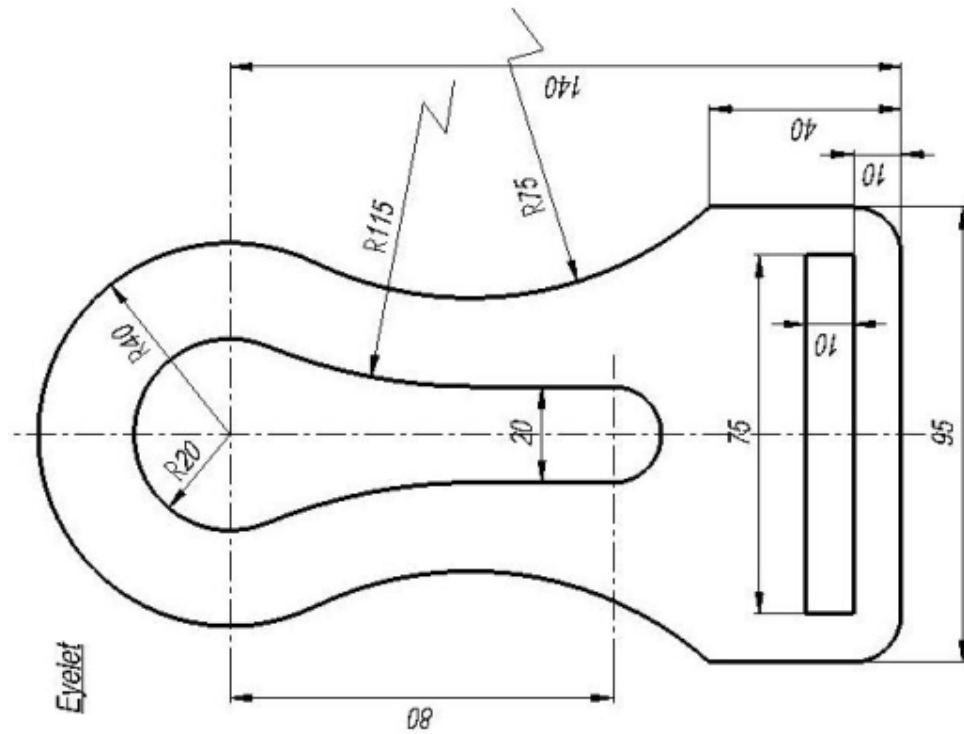






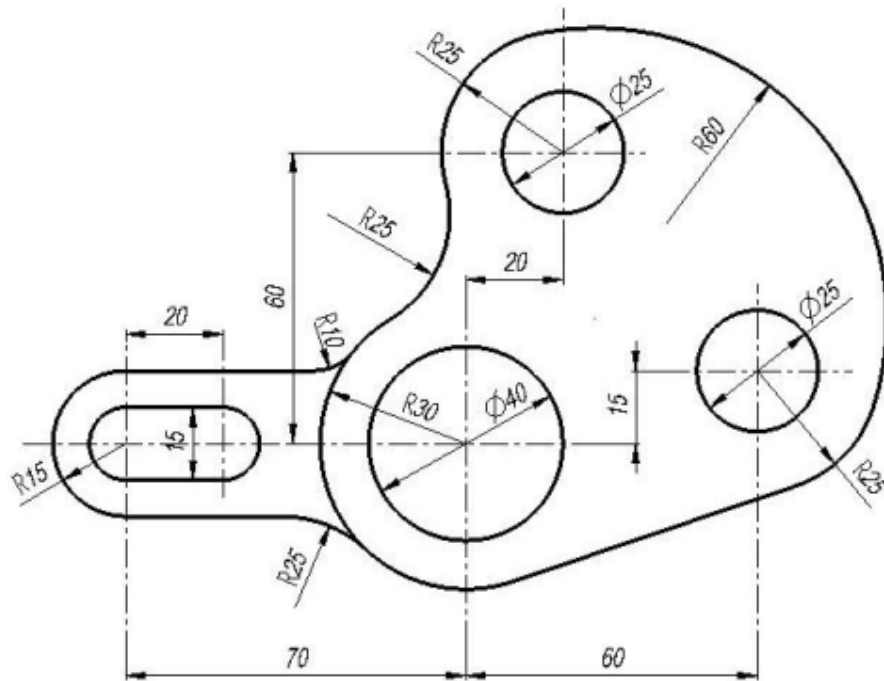
Locking Device



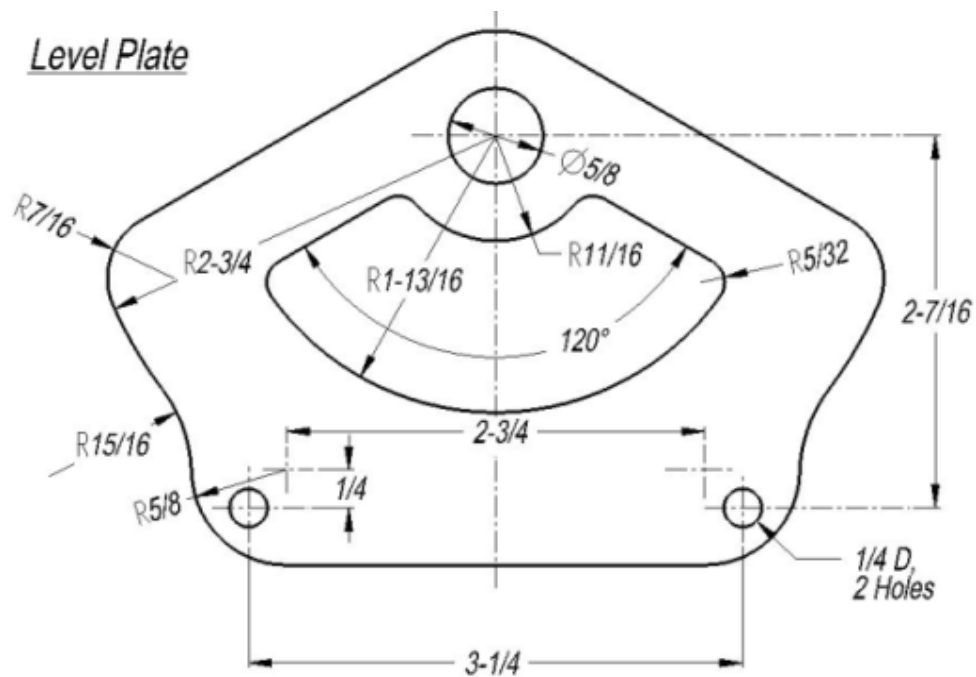






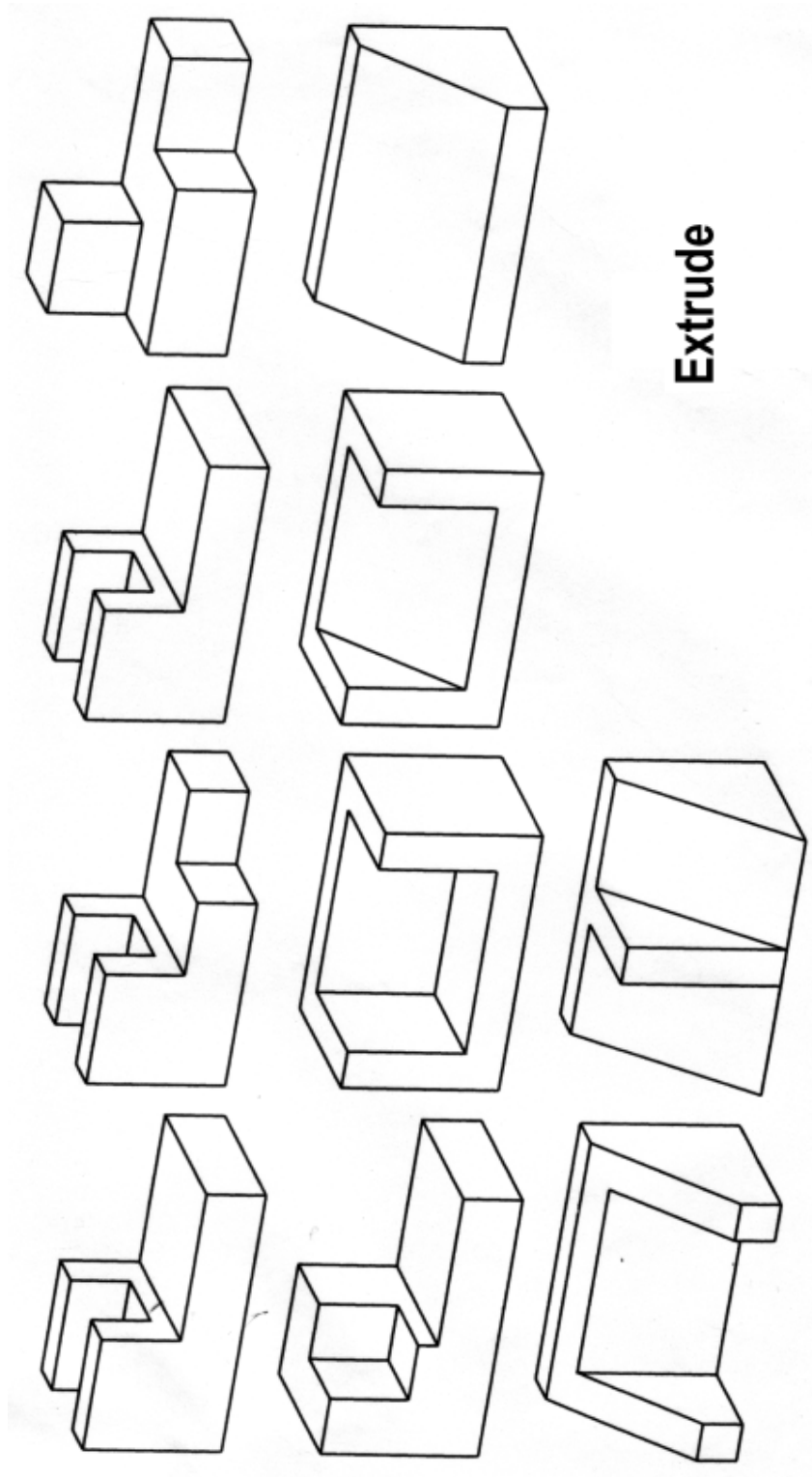


### Stamping





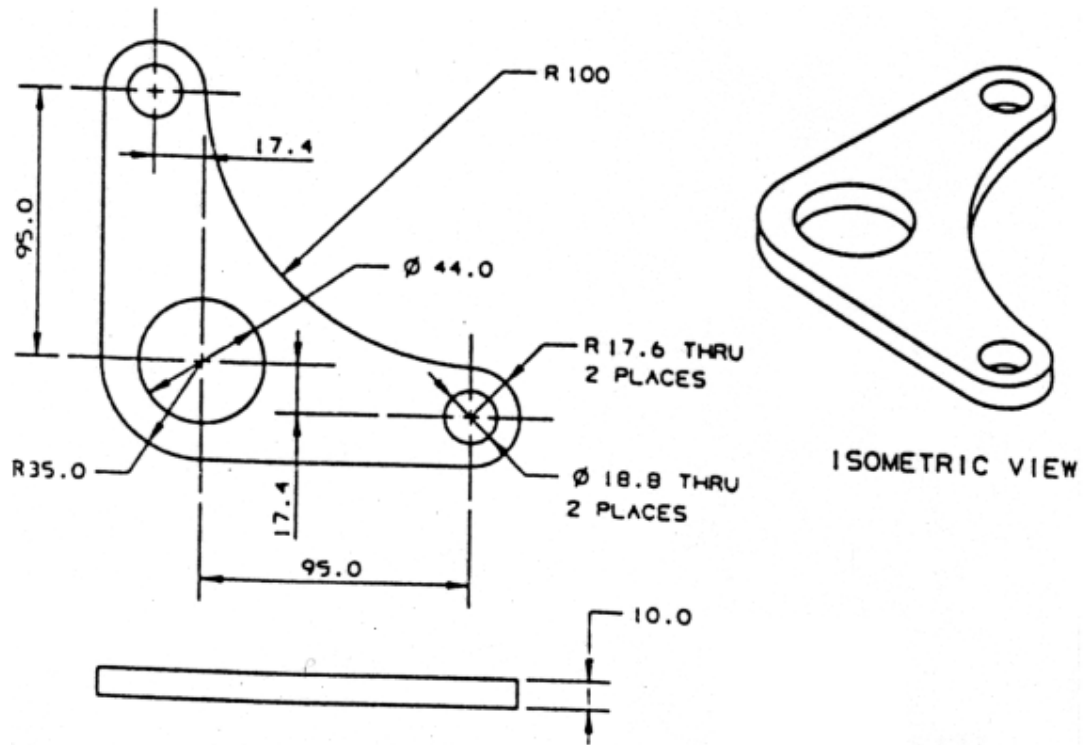
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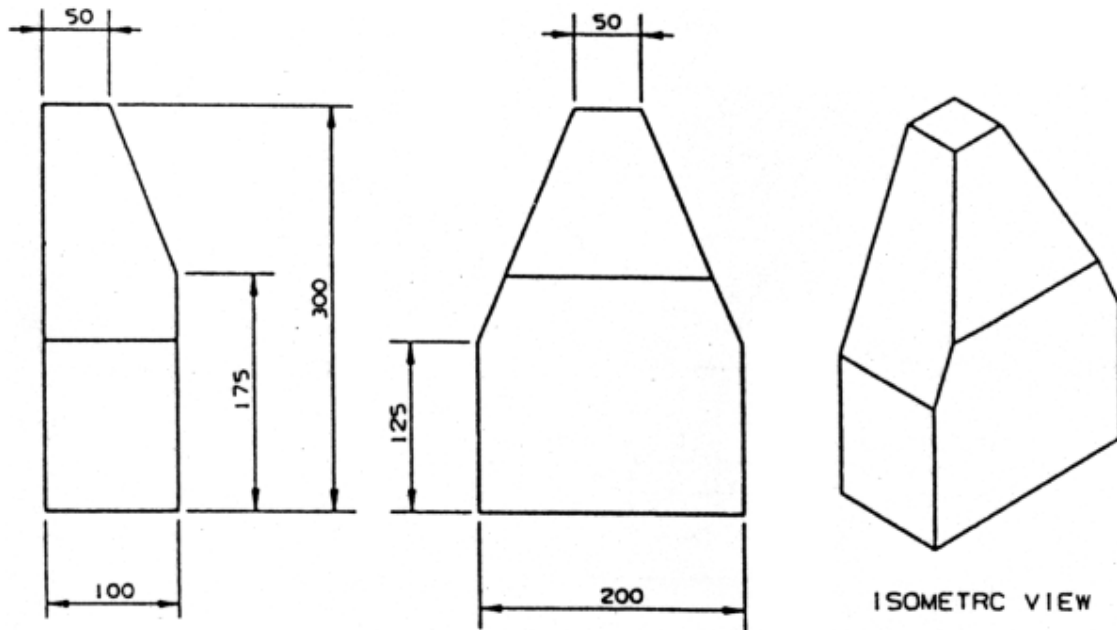


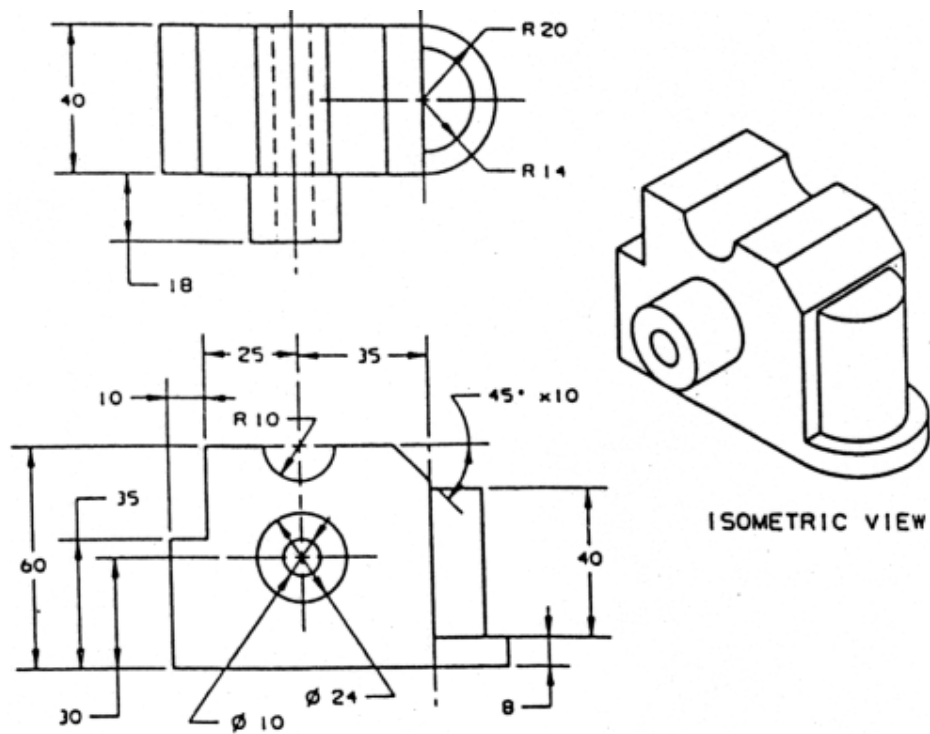
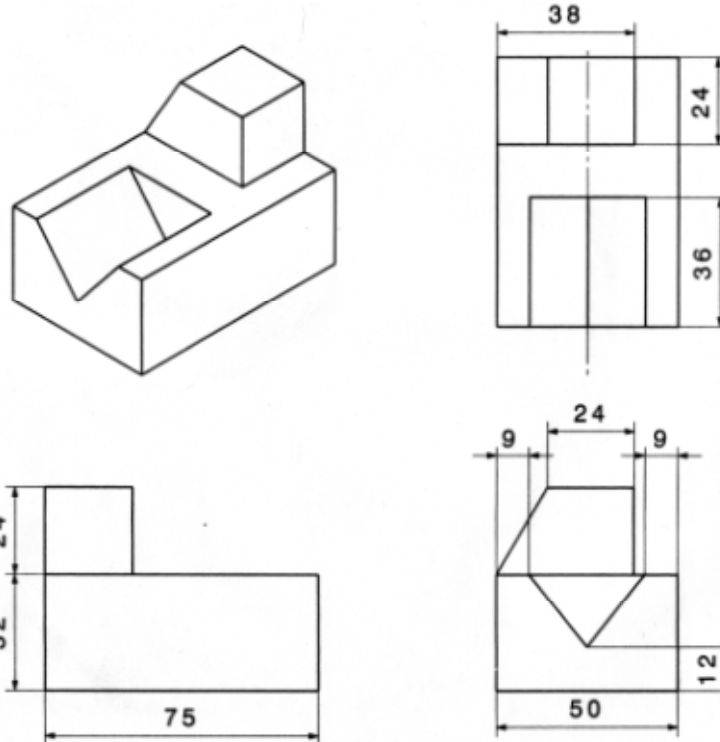
**Extrude**

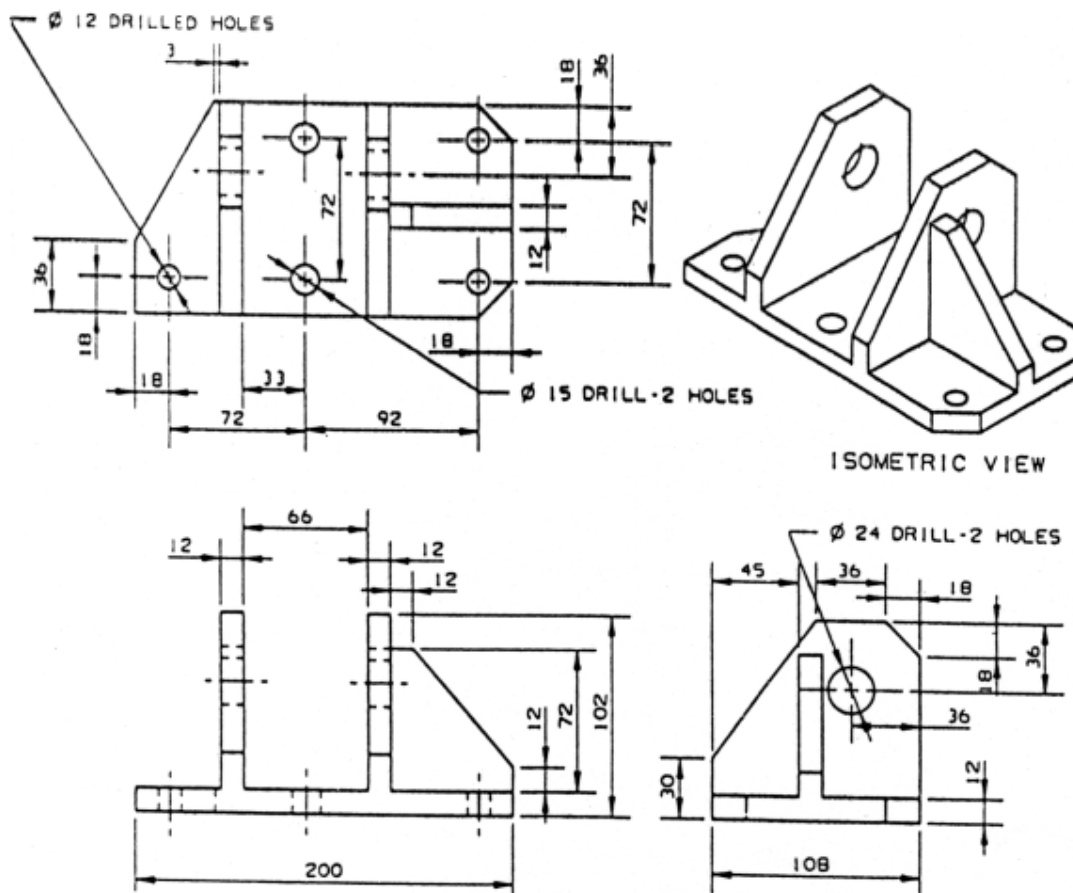


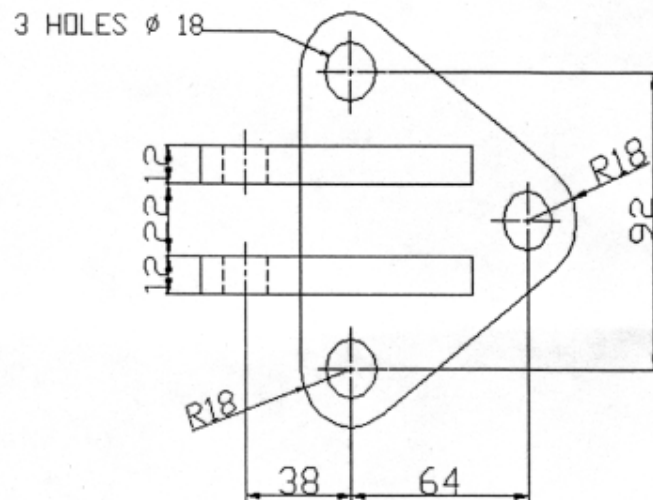
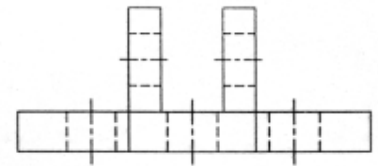
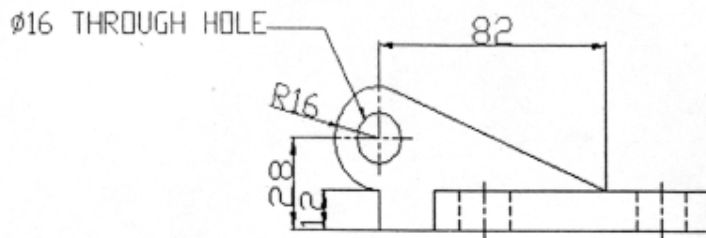
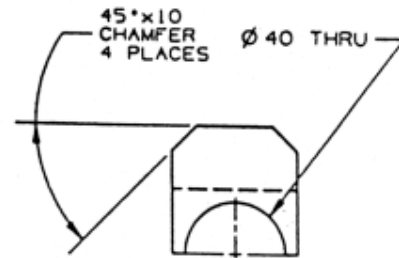
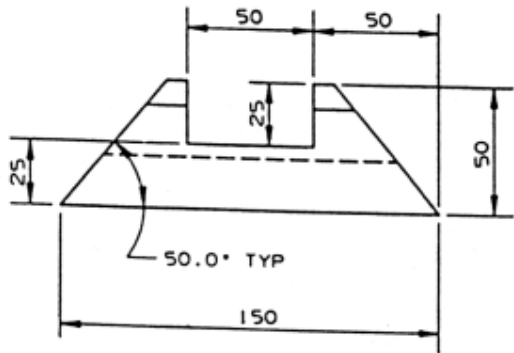
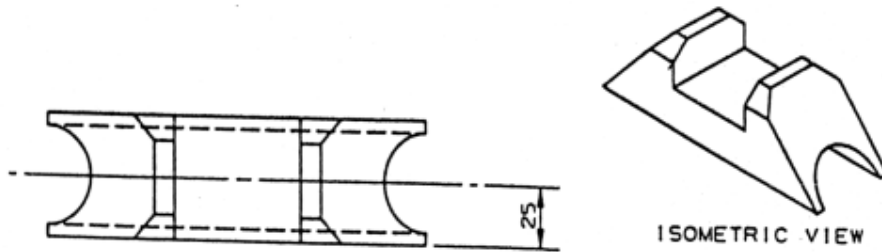


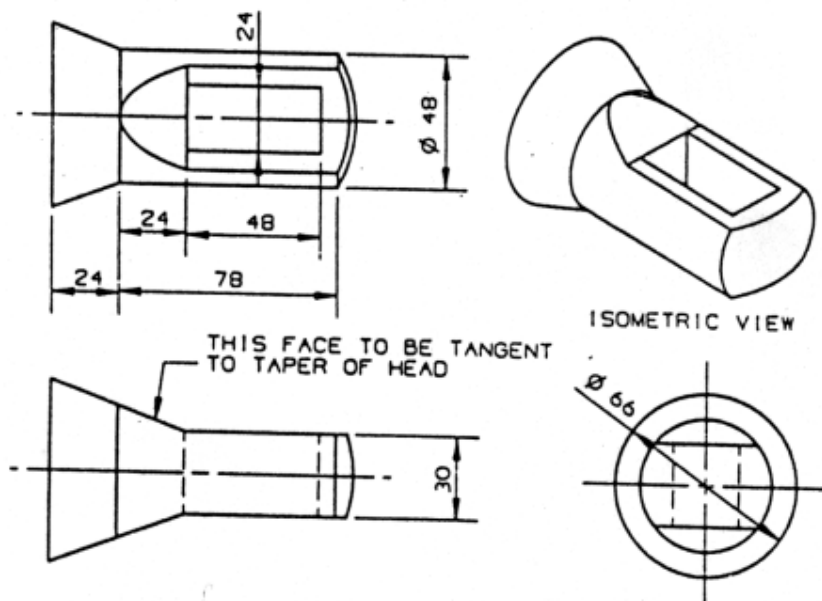
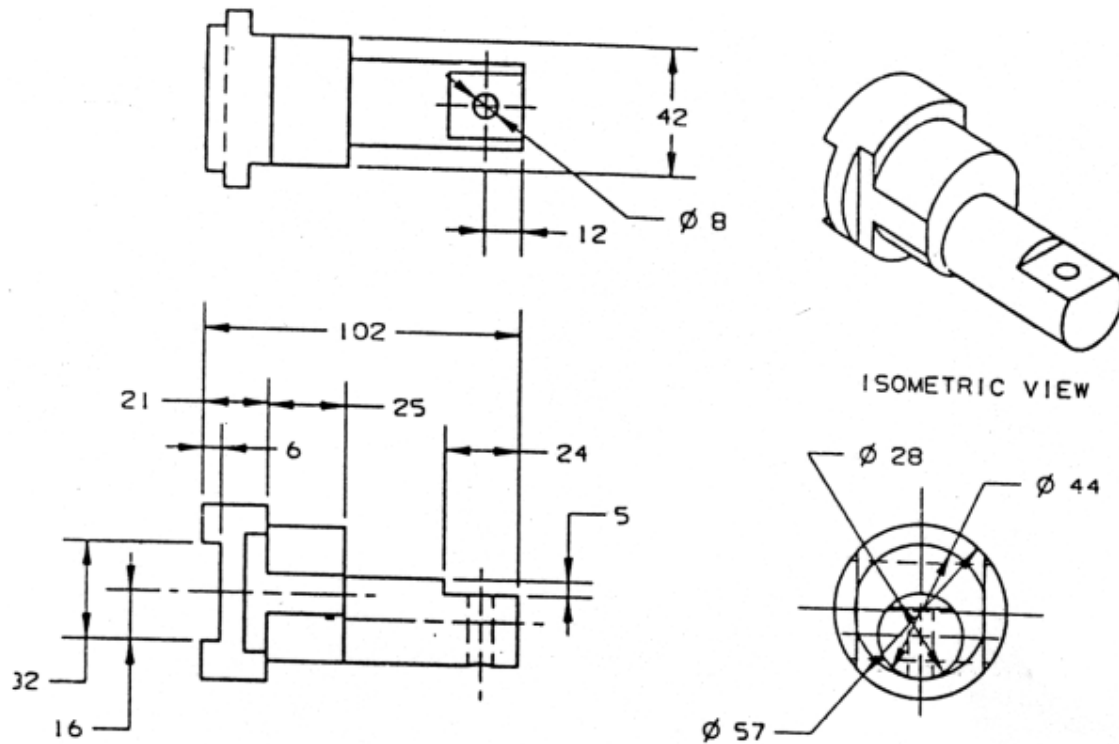


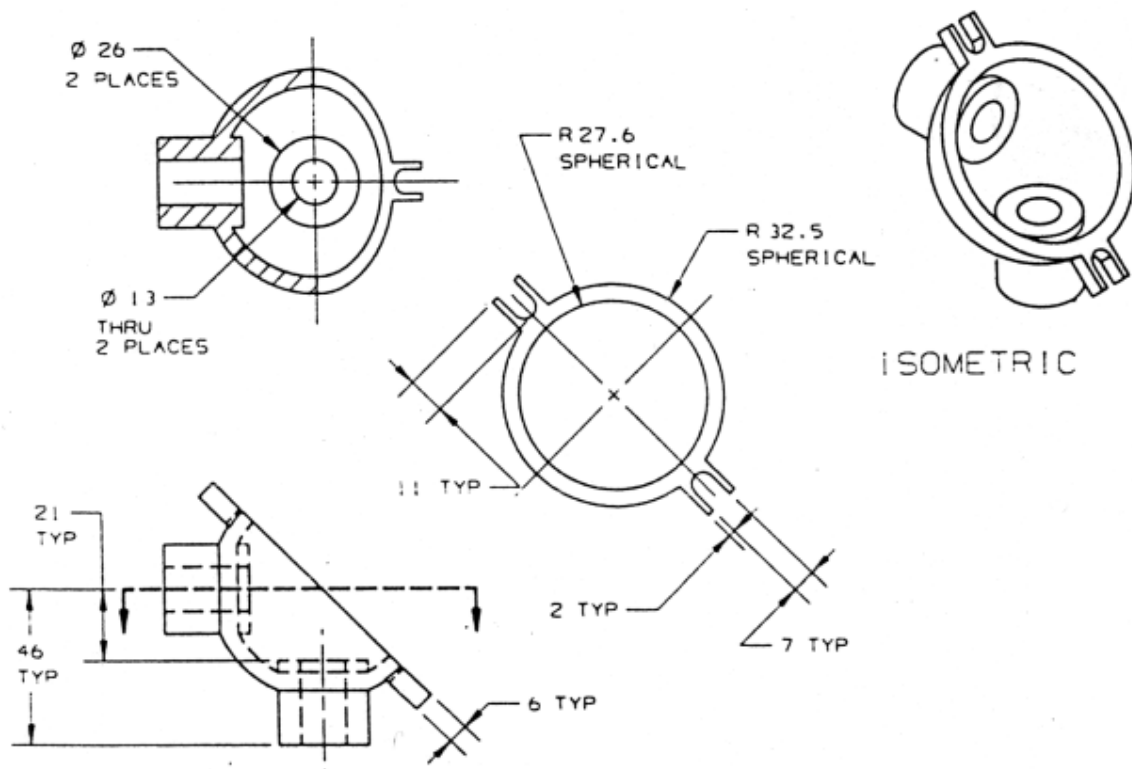
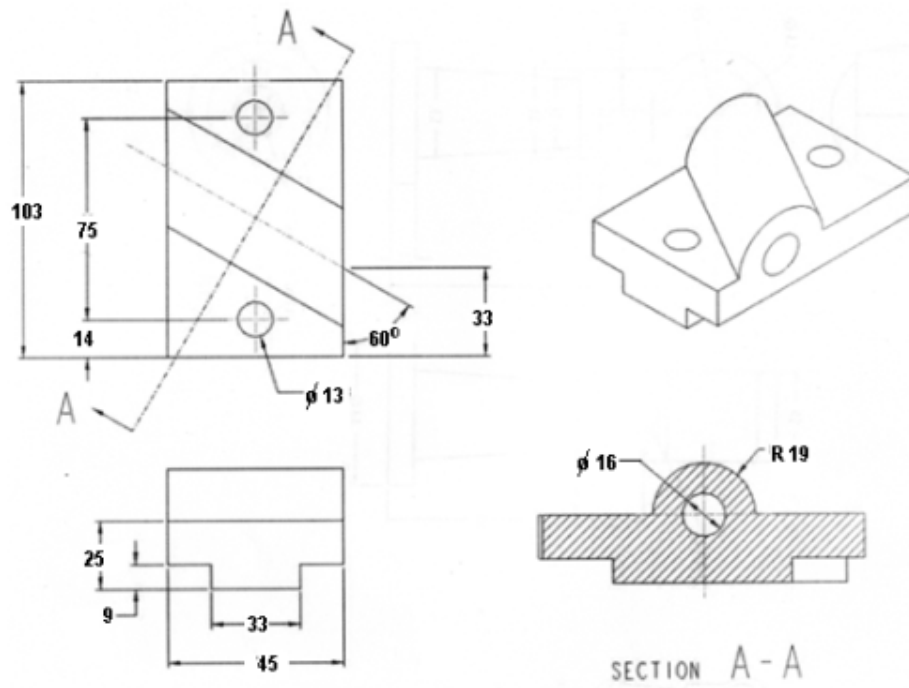


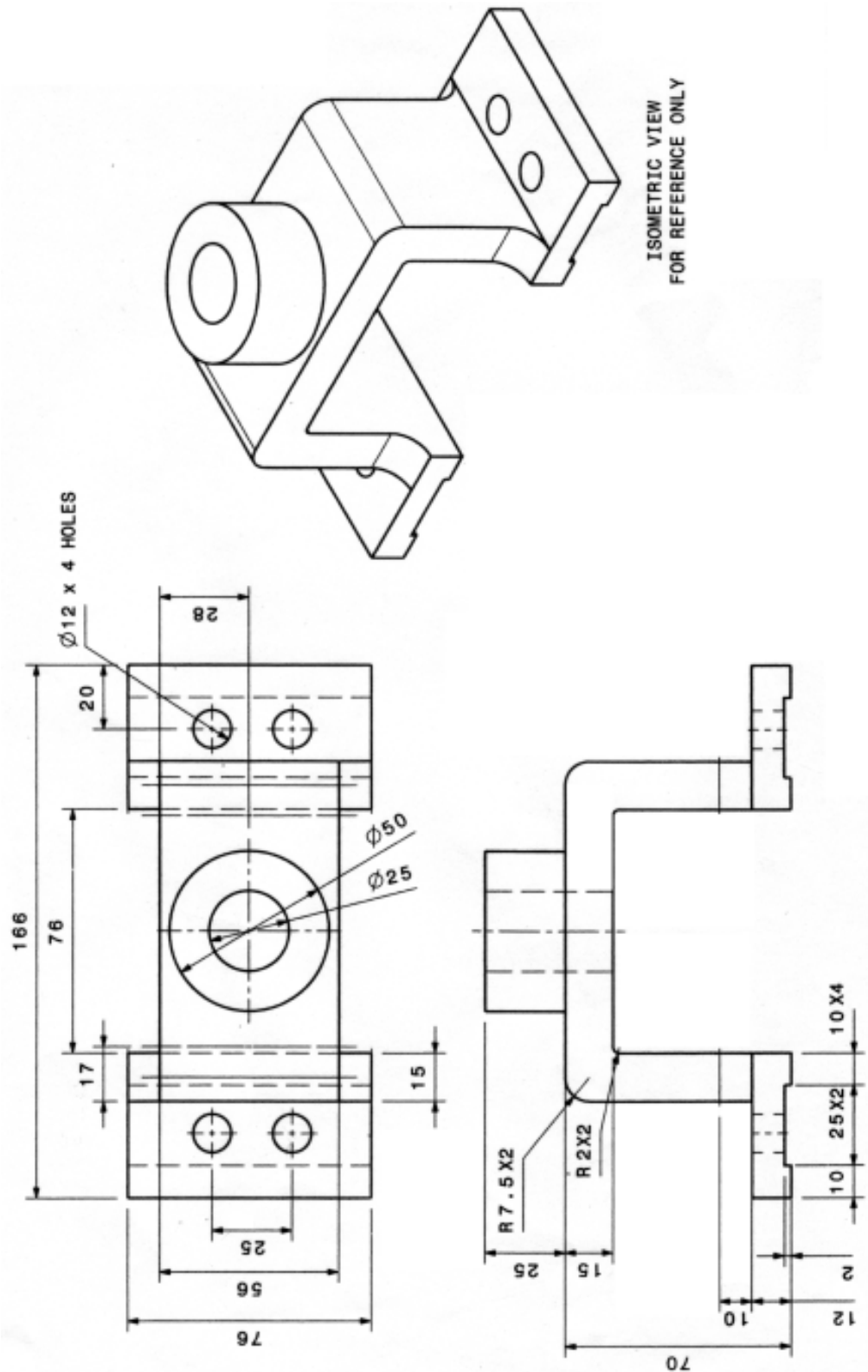






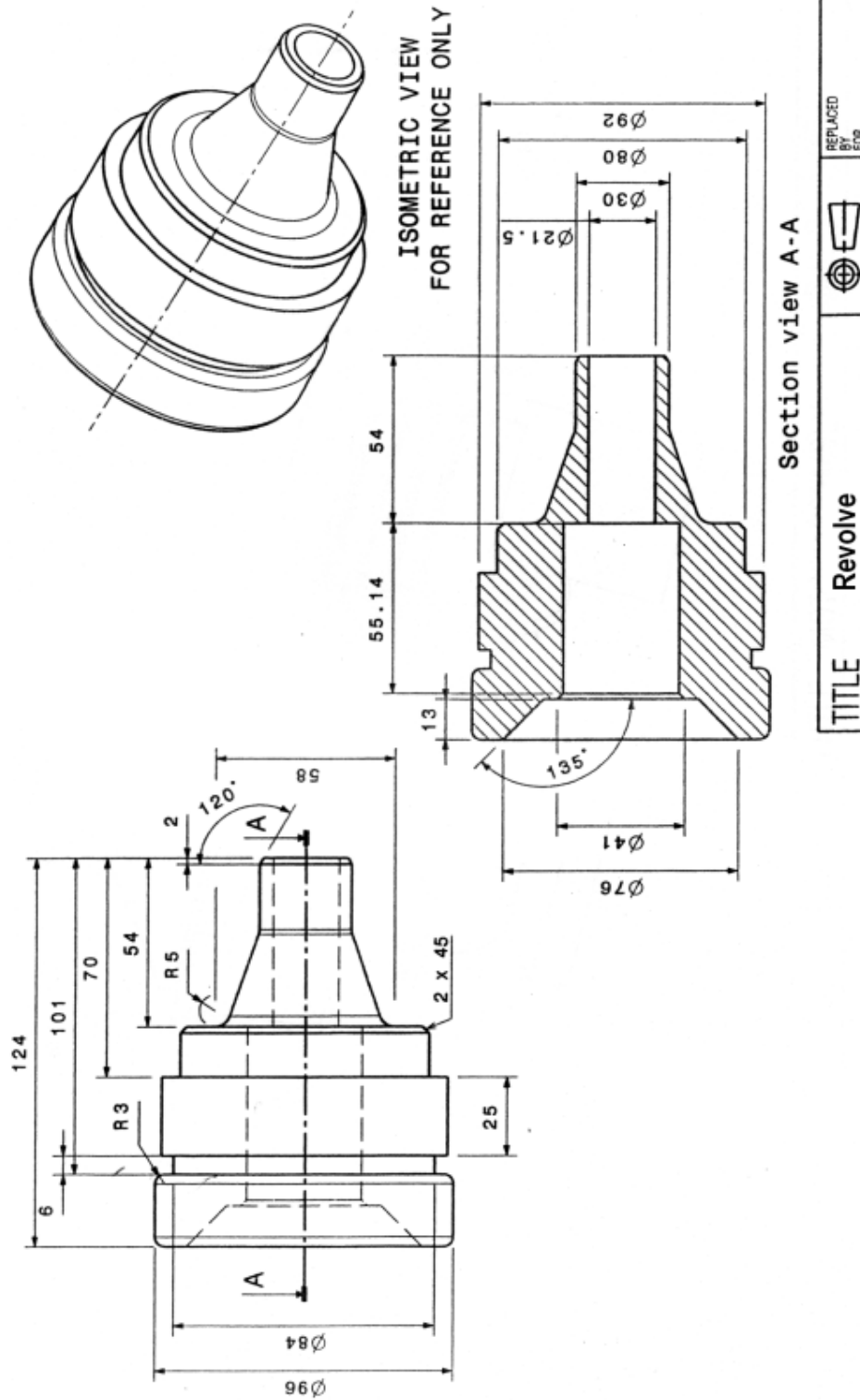


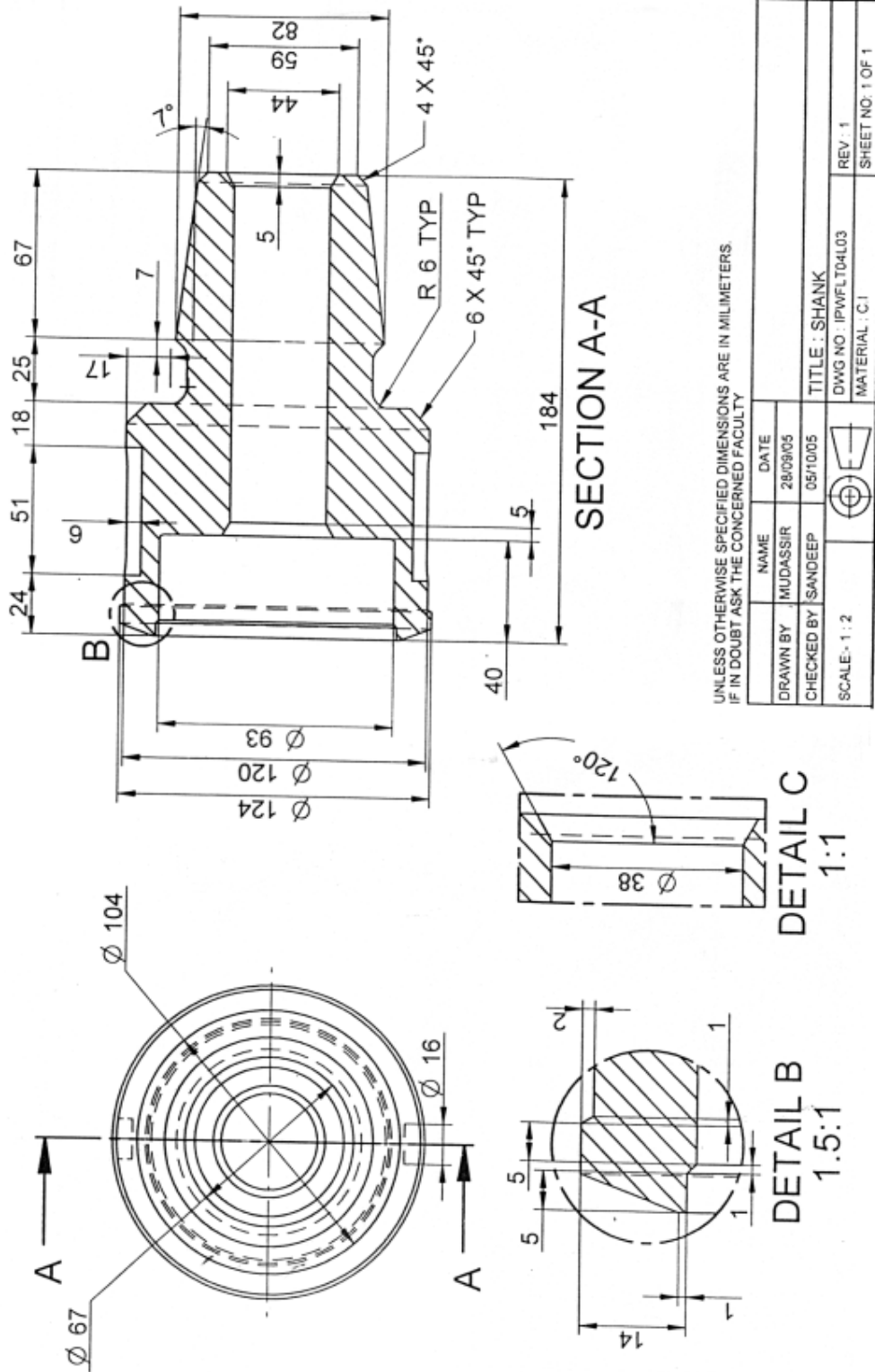




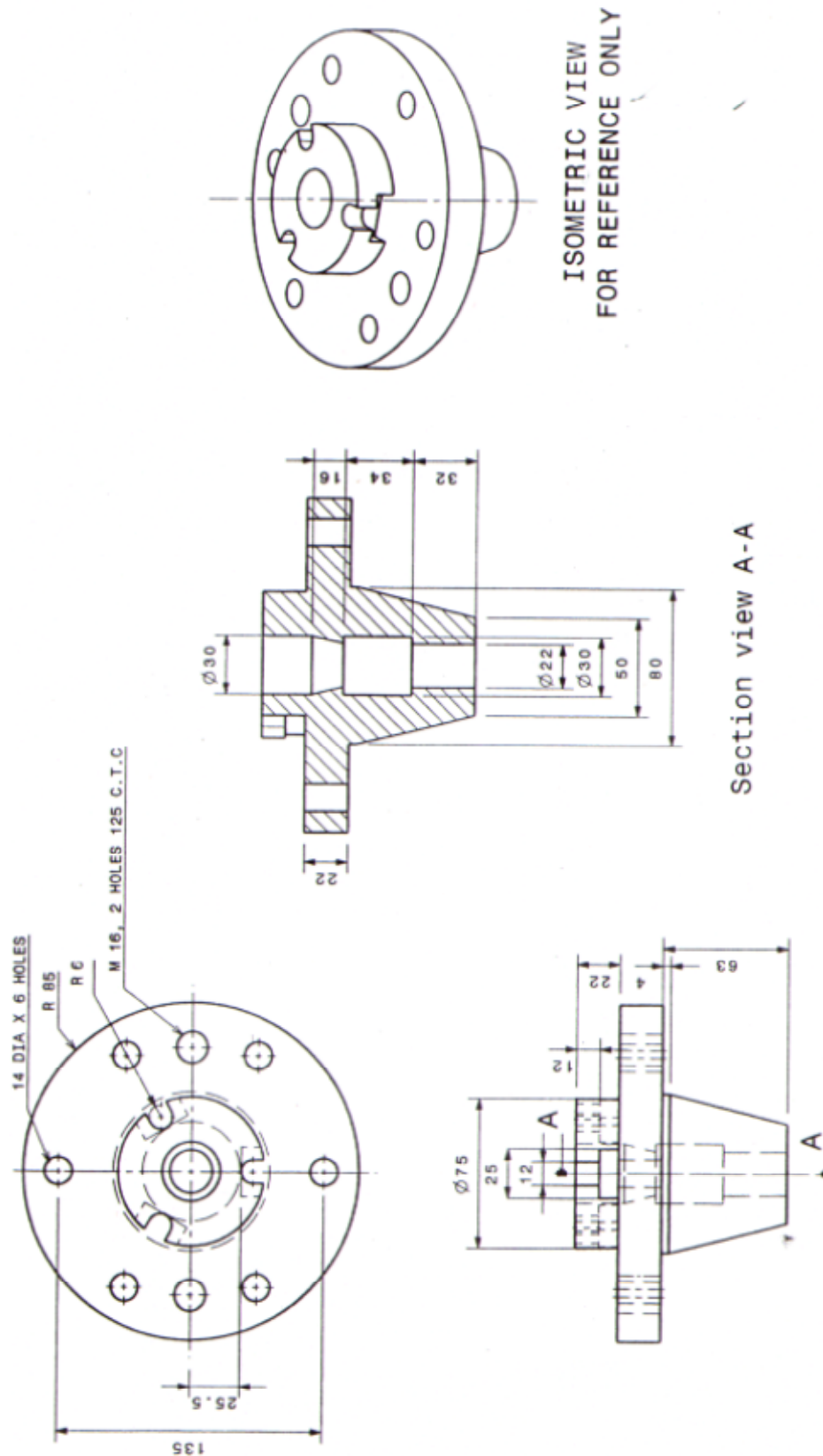




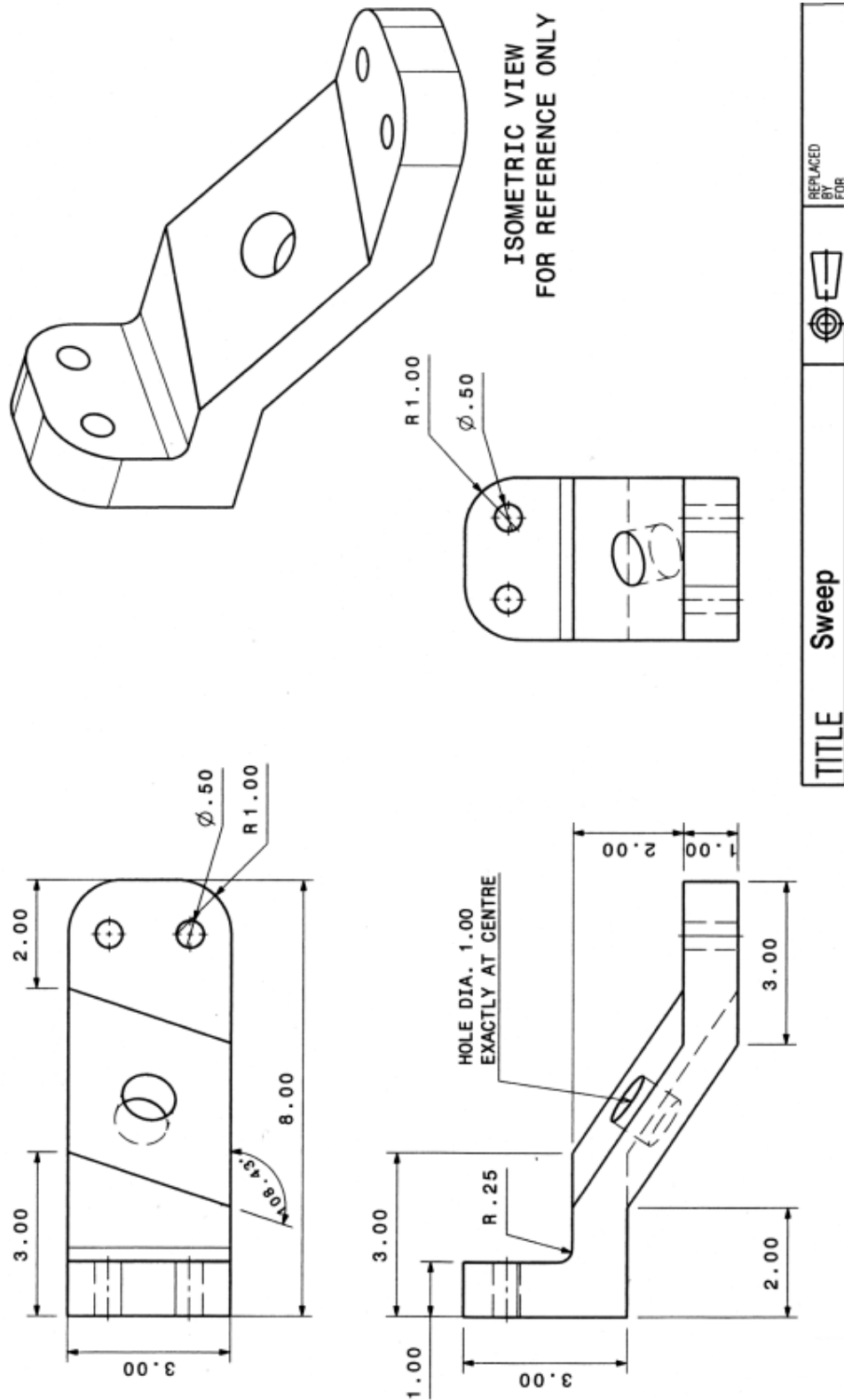


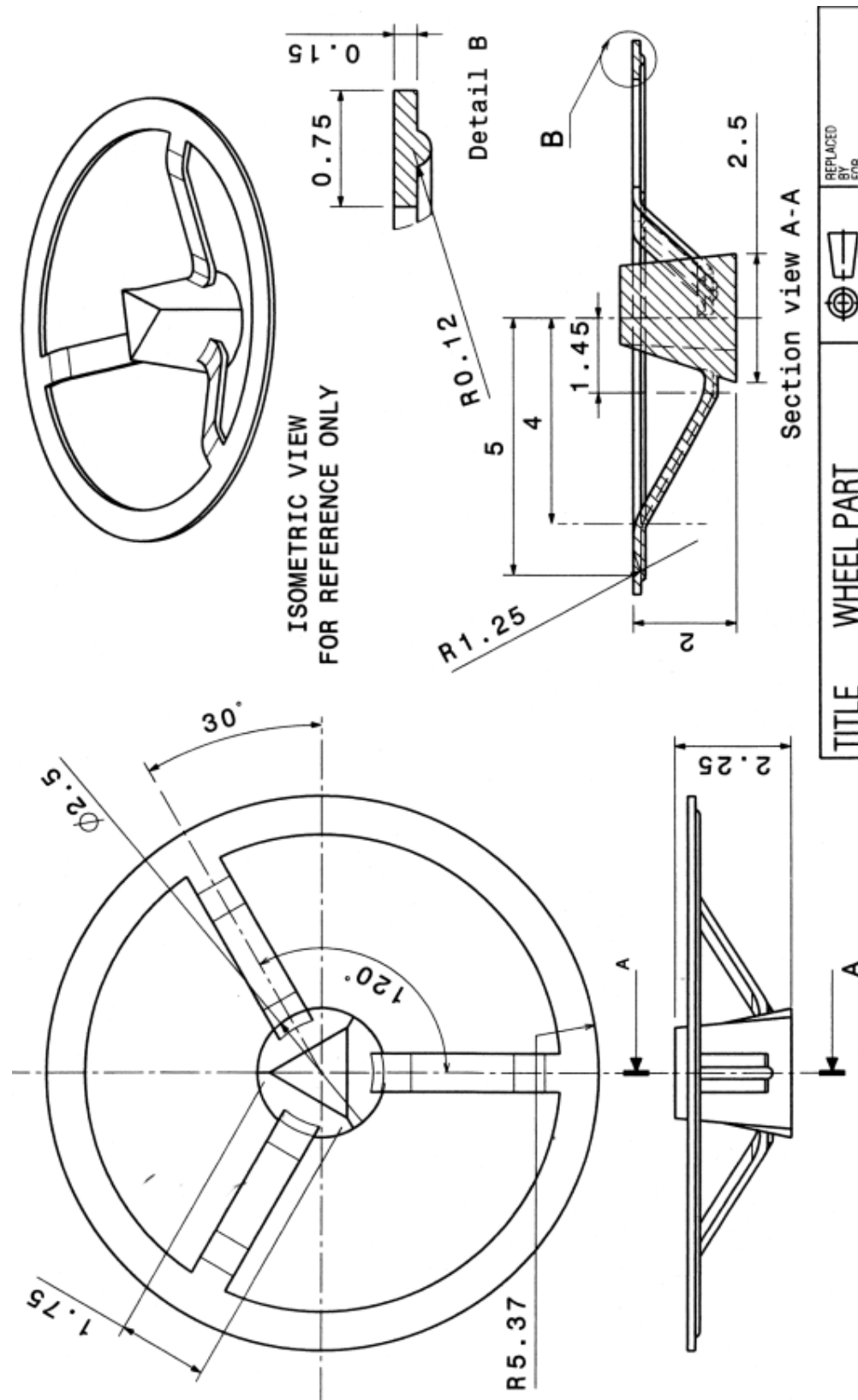




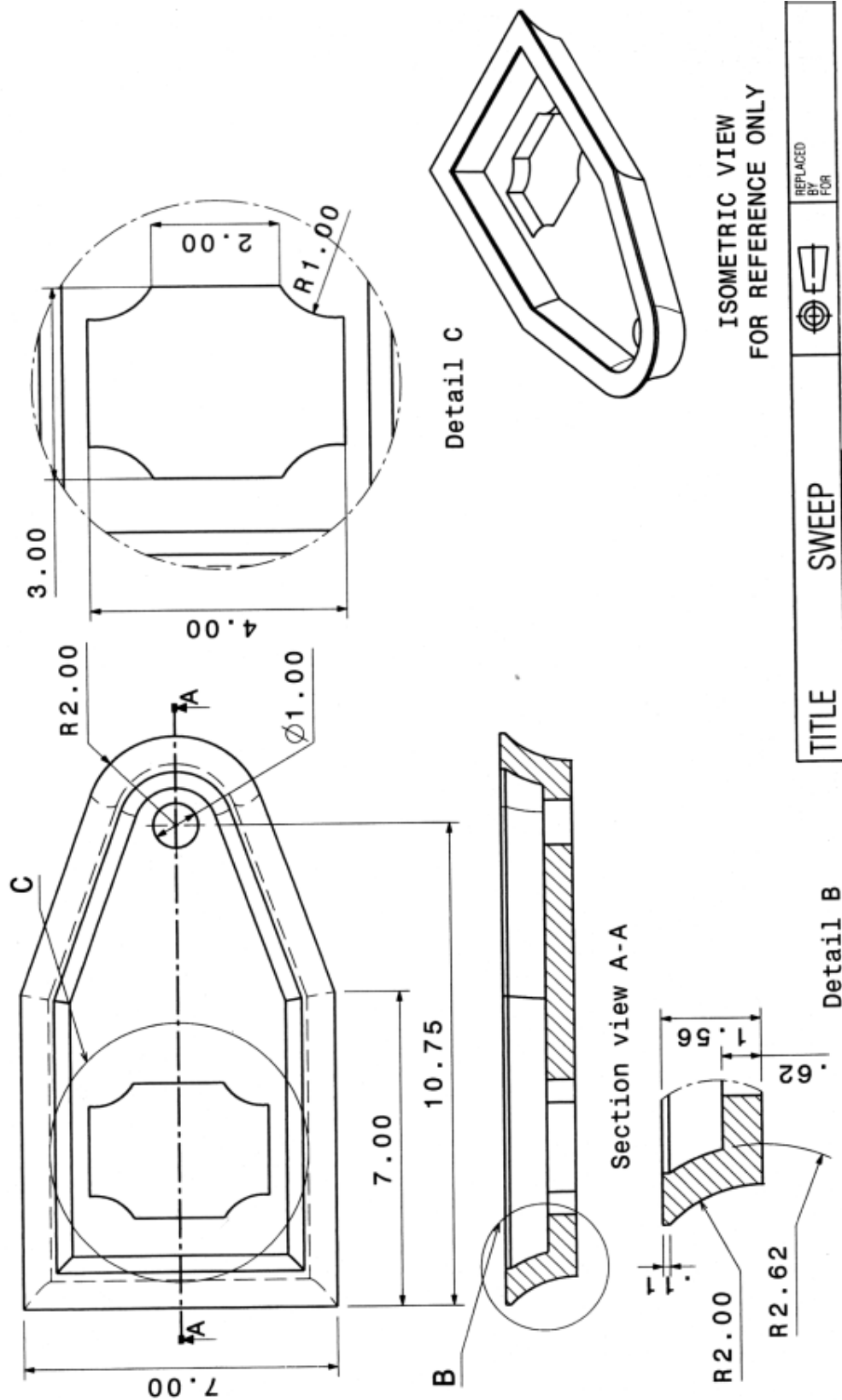


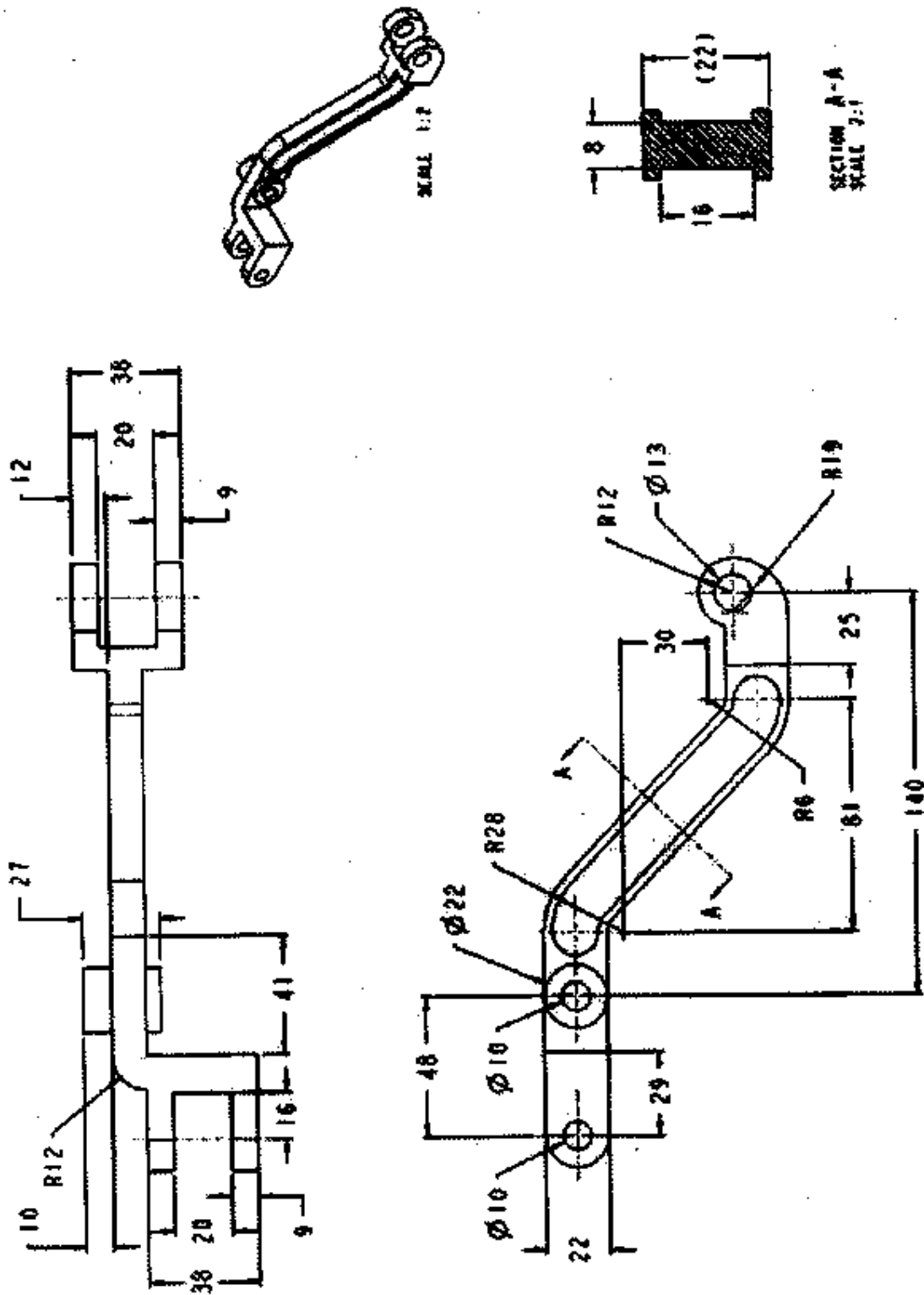


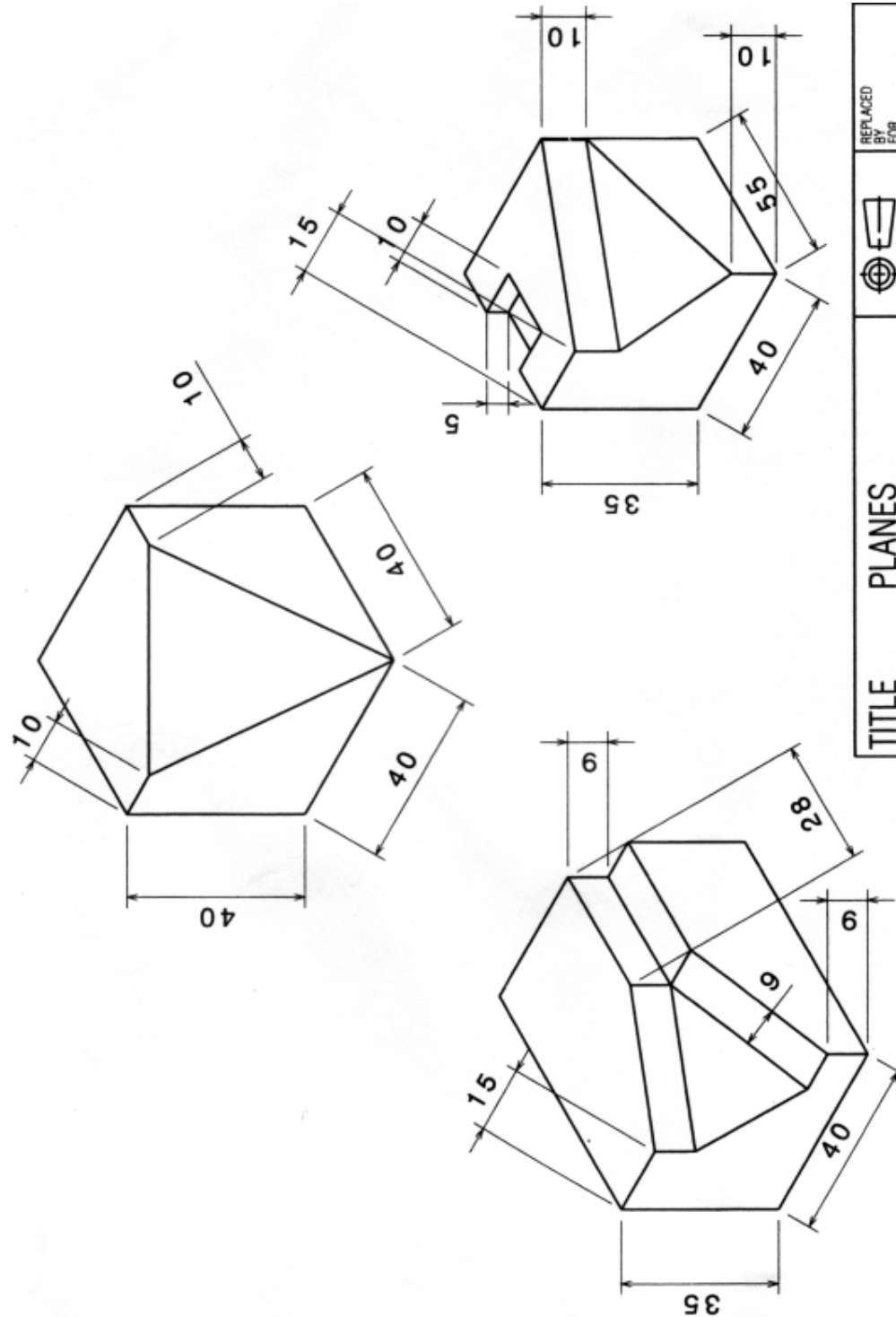








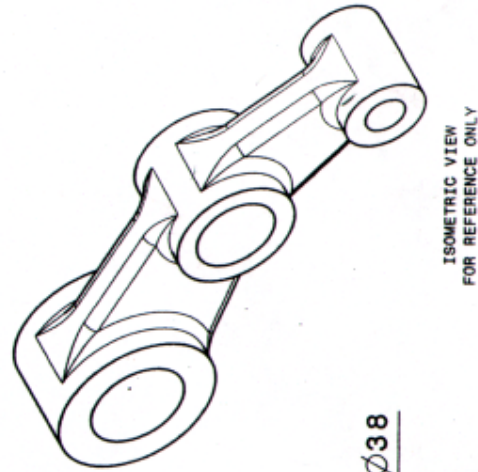
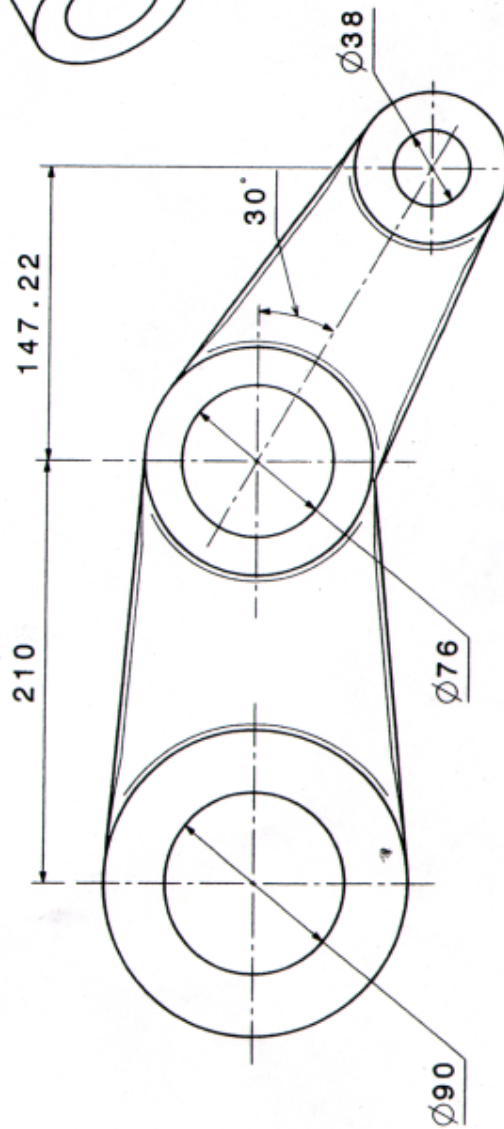
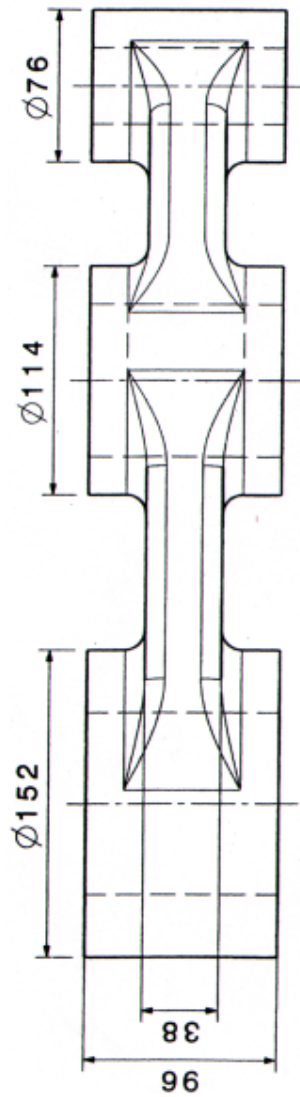


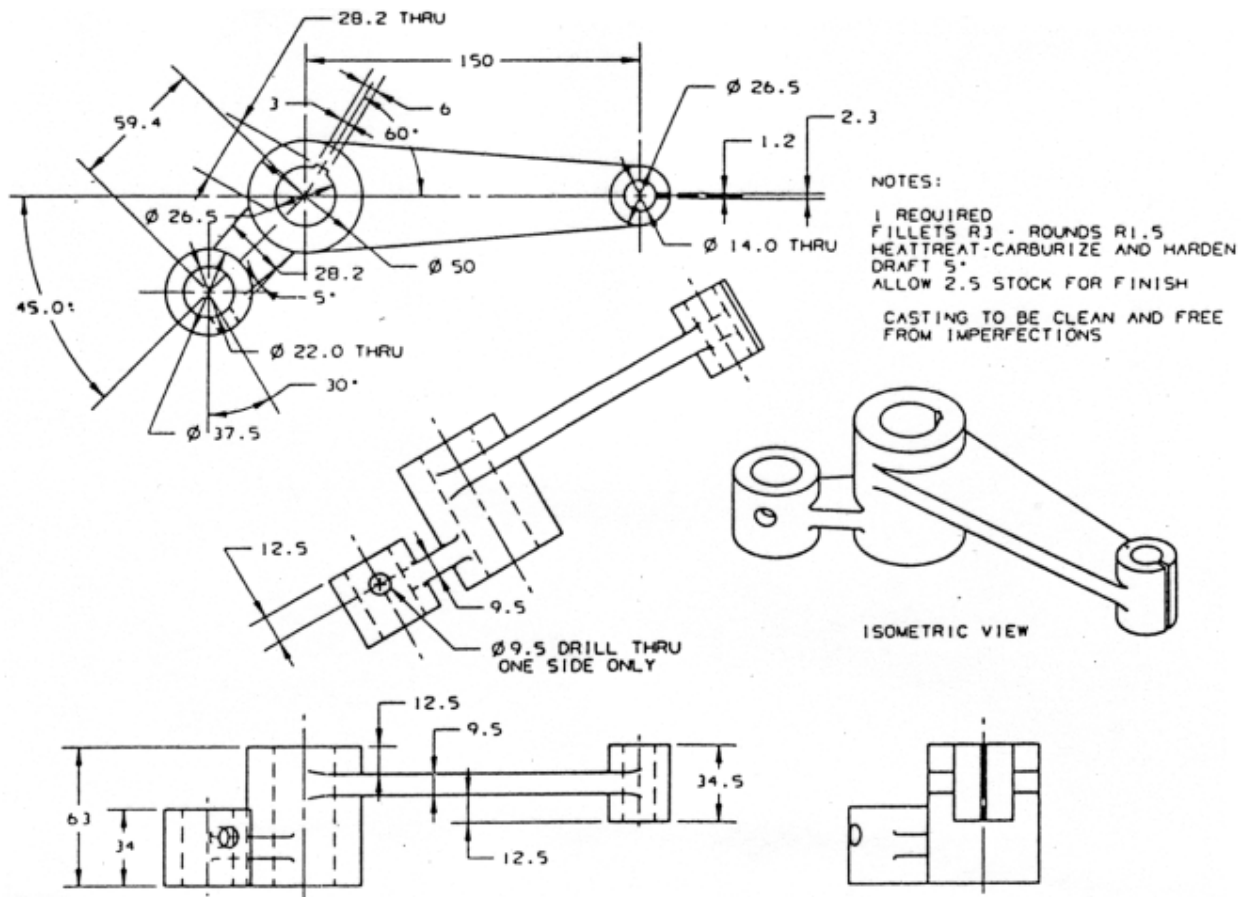
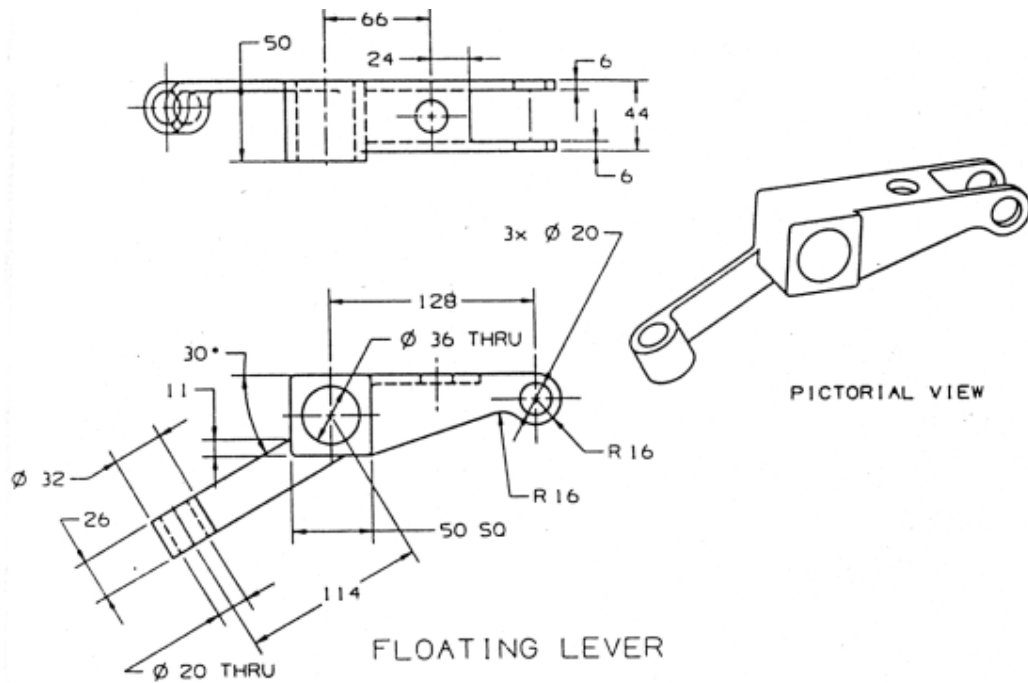


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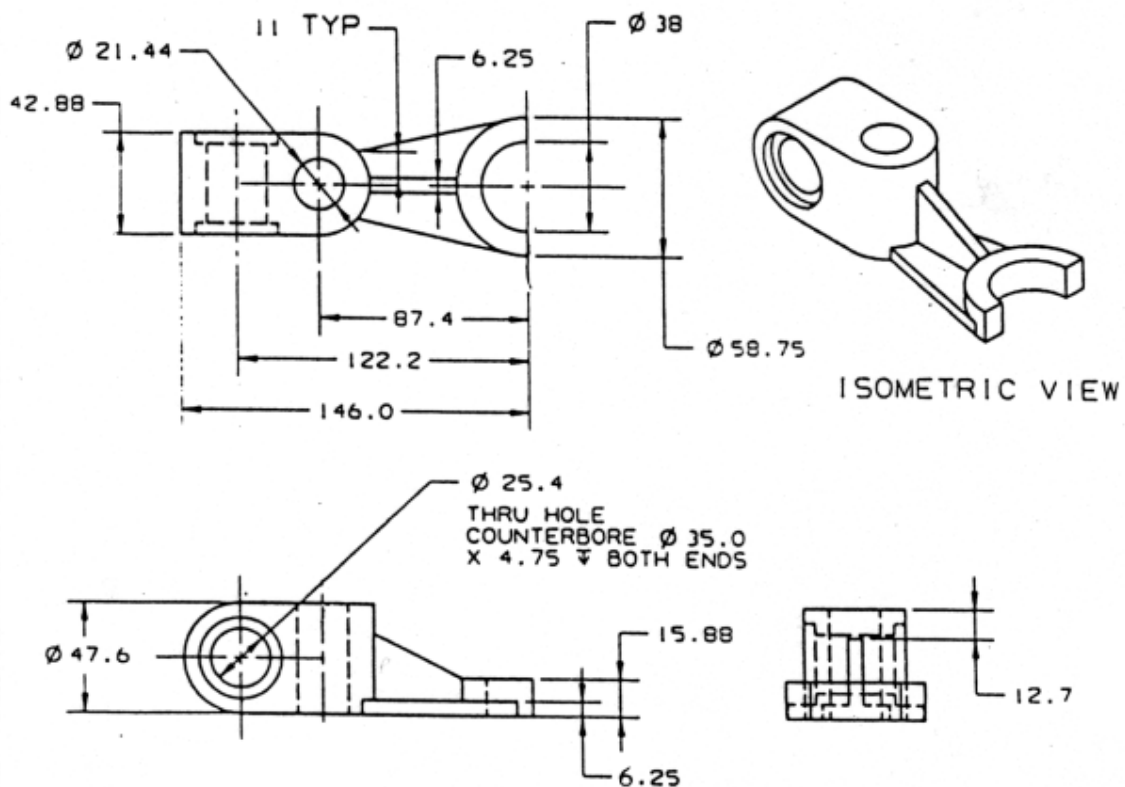
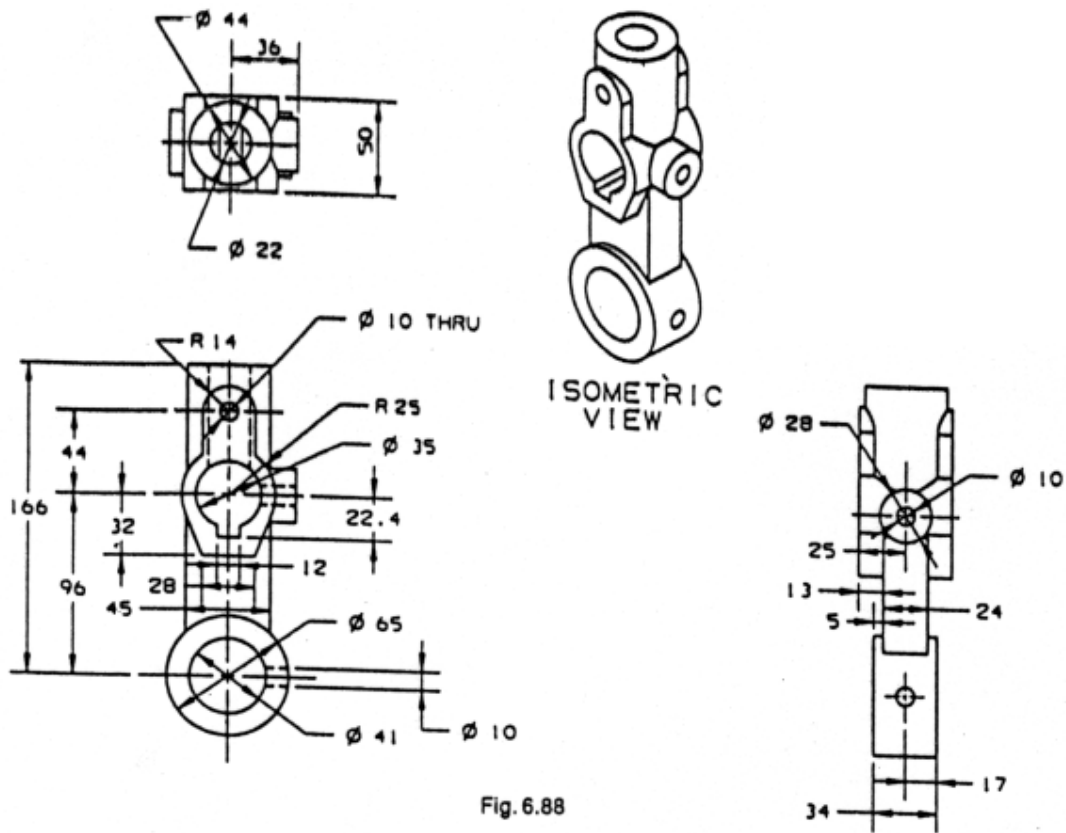


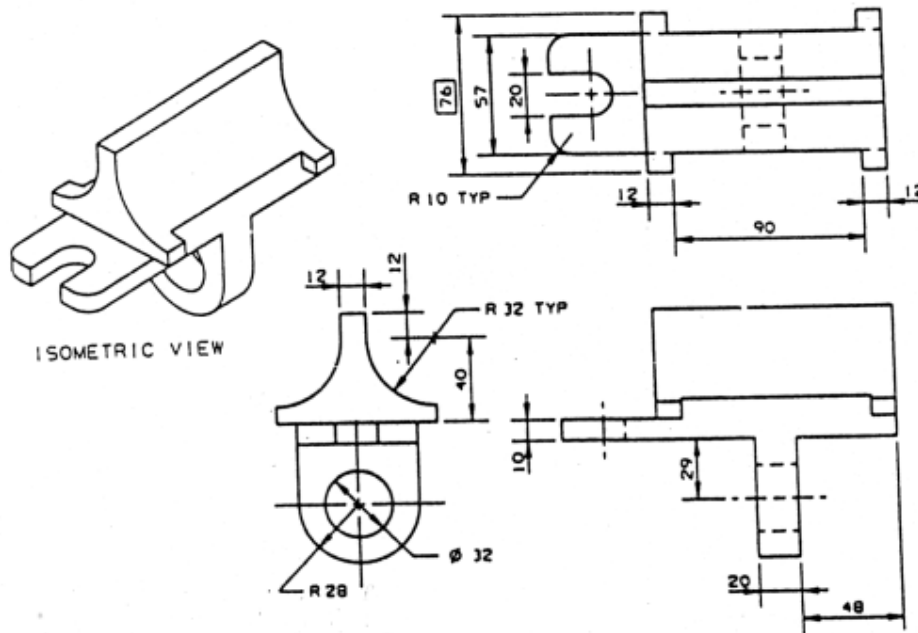
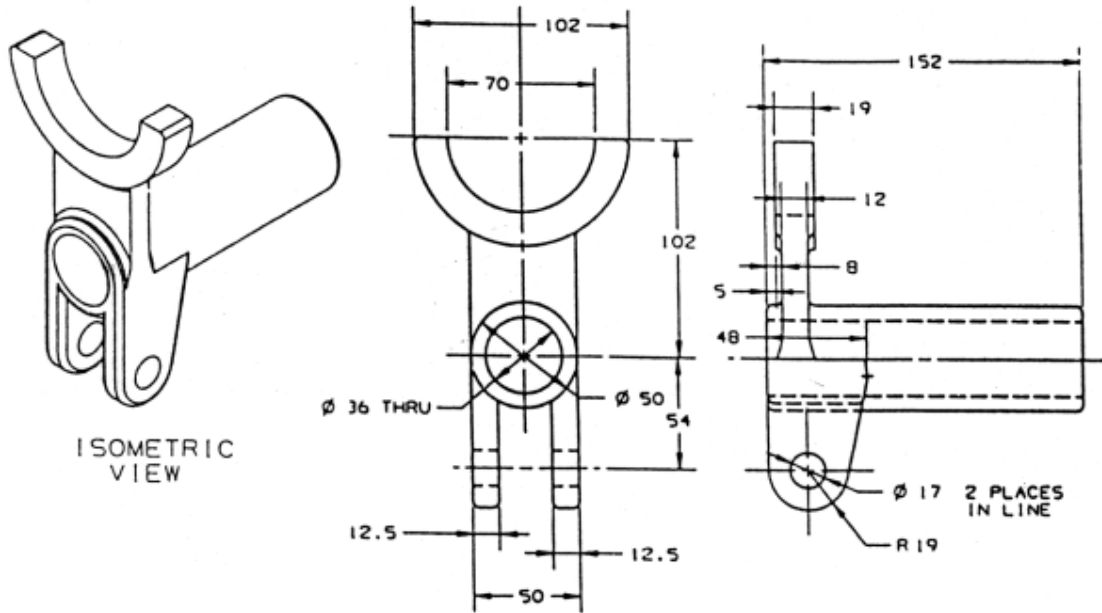


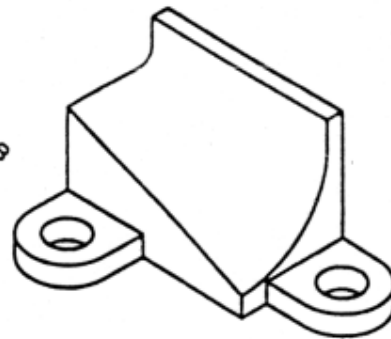
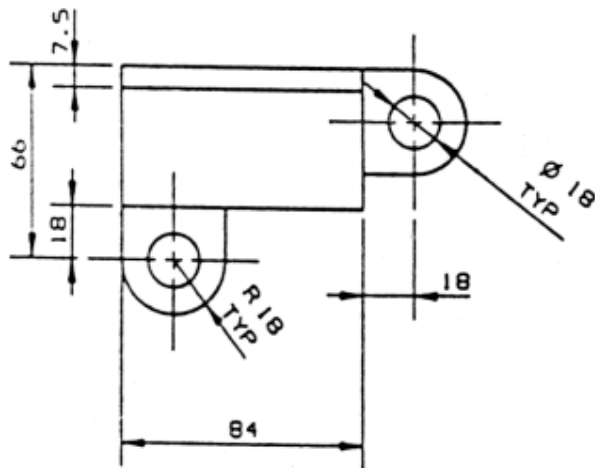
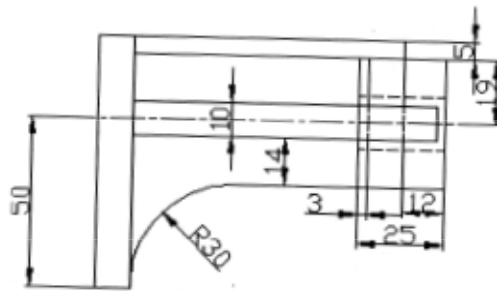
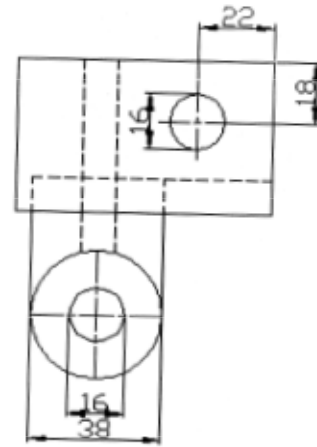
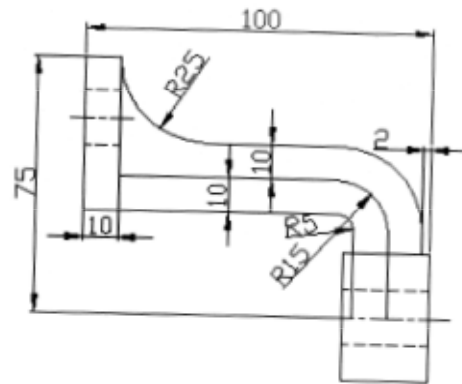




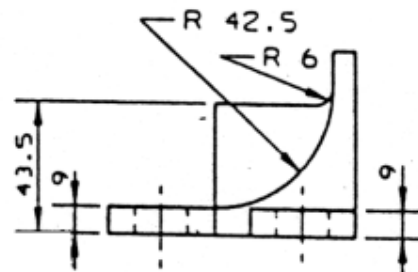
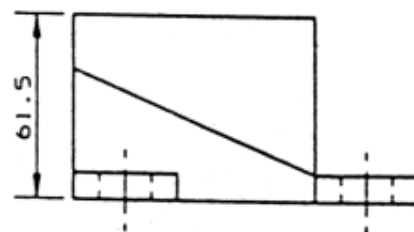




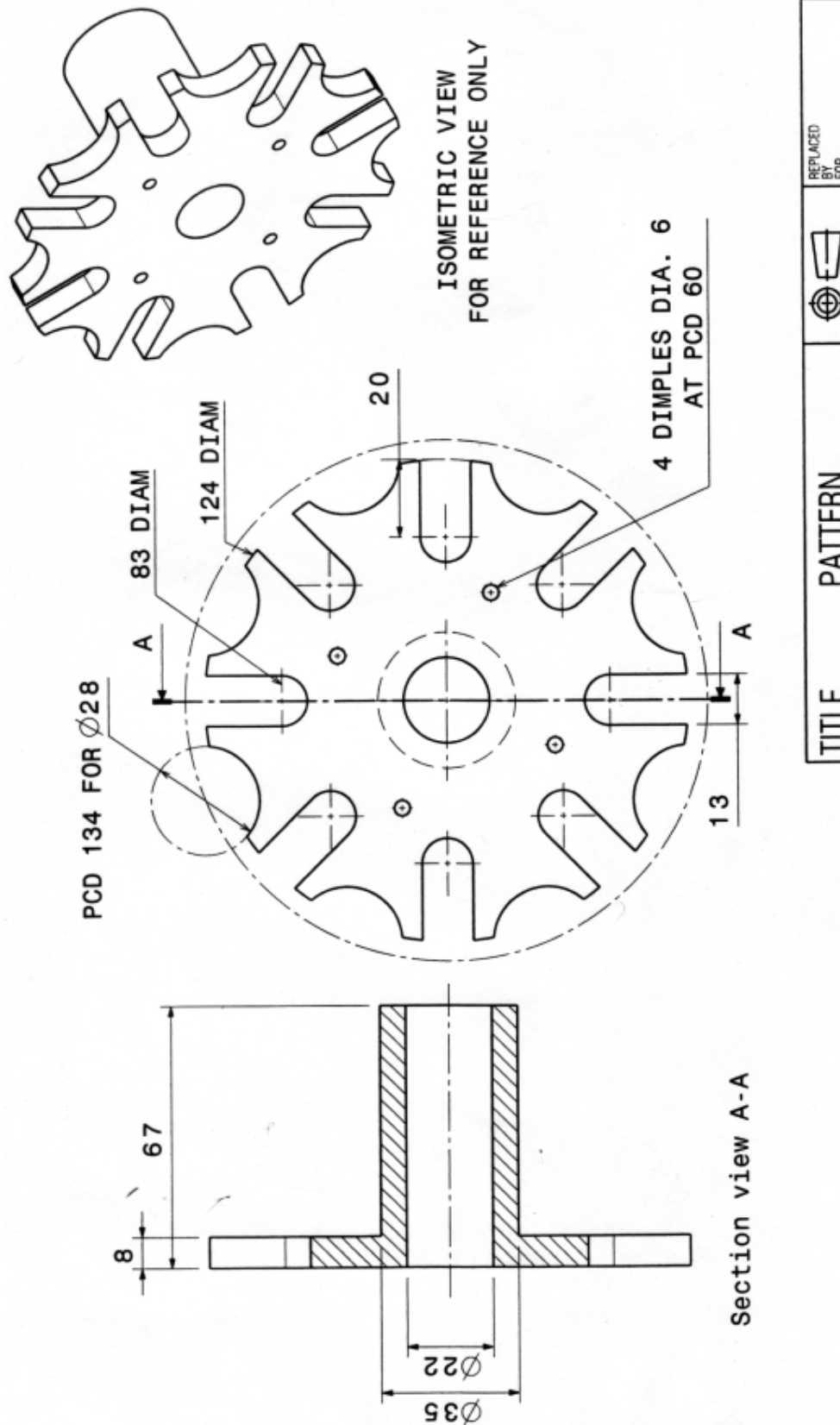


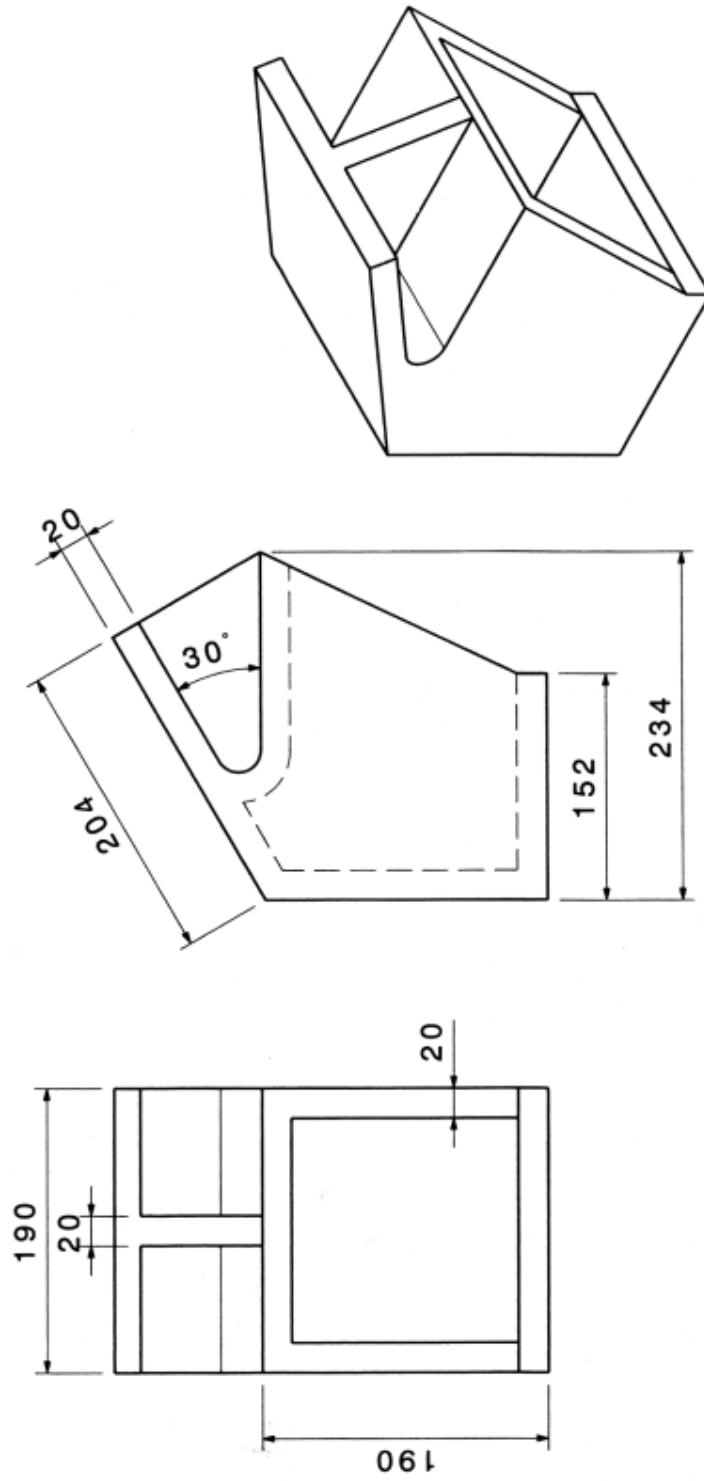


ISOMETRIC VIEW









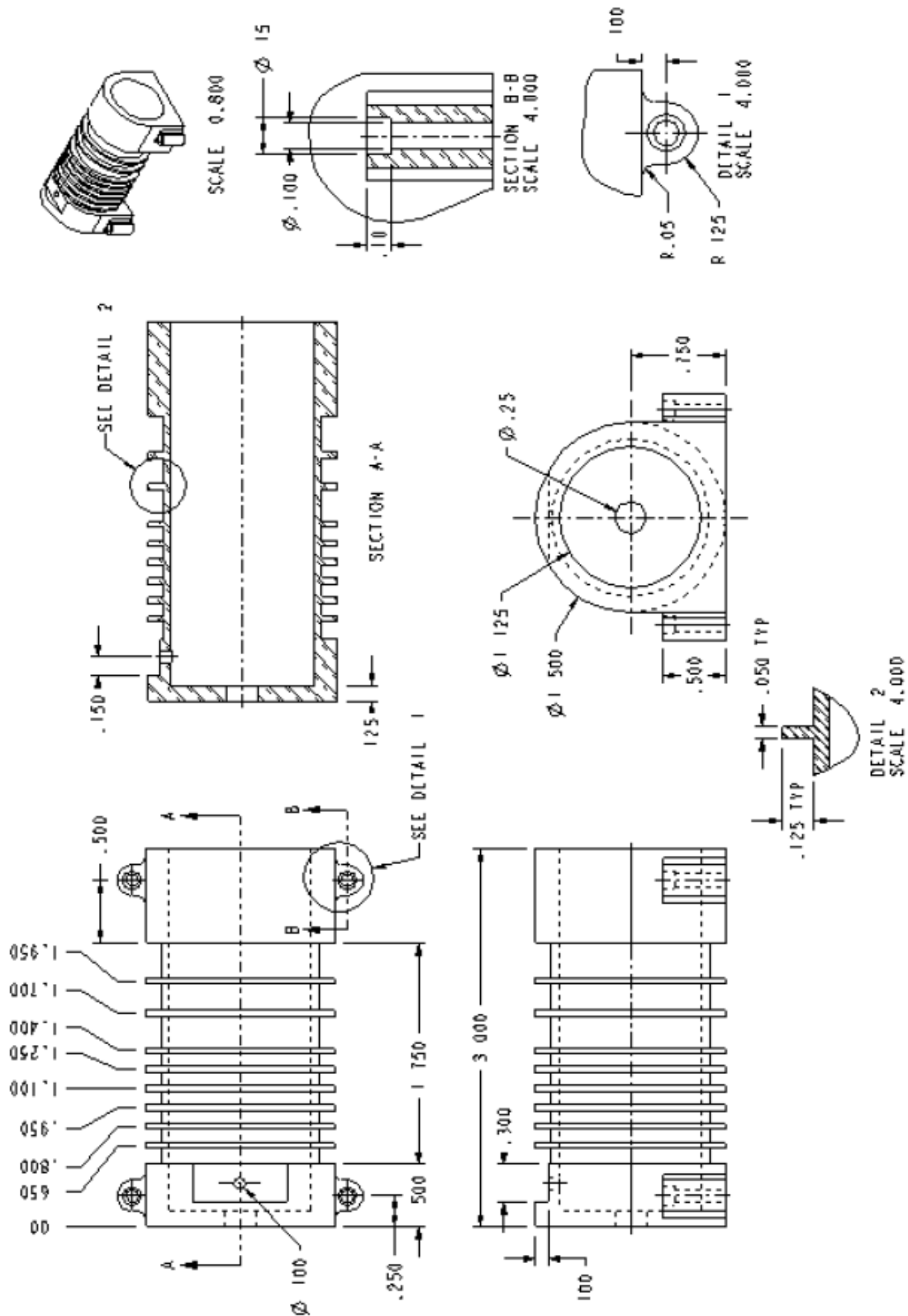
ISOMETRIC VIEW  
 FOR REFERENCE ONLY

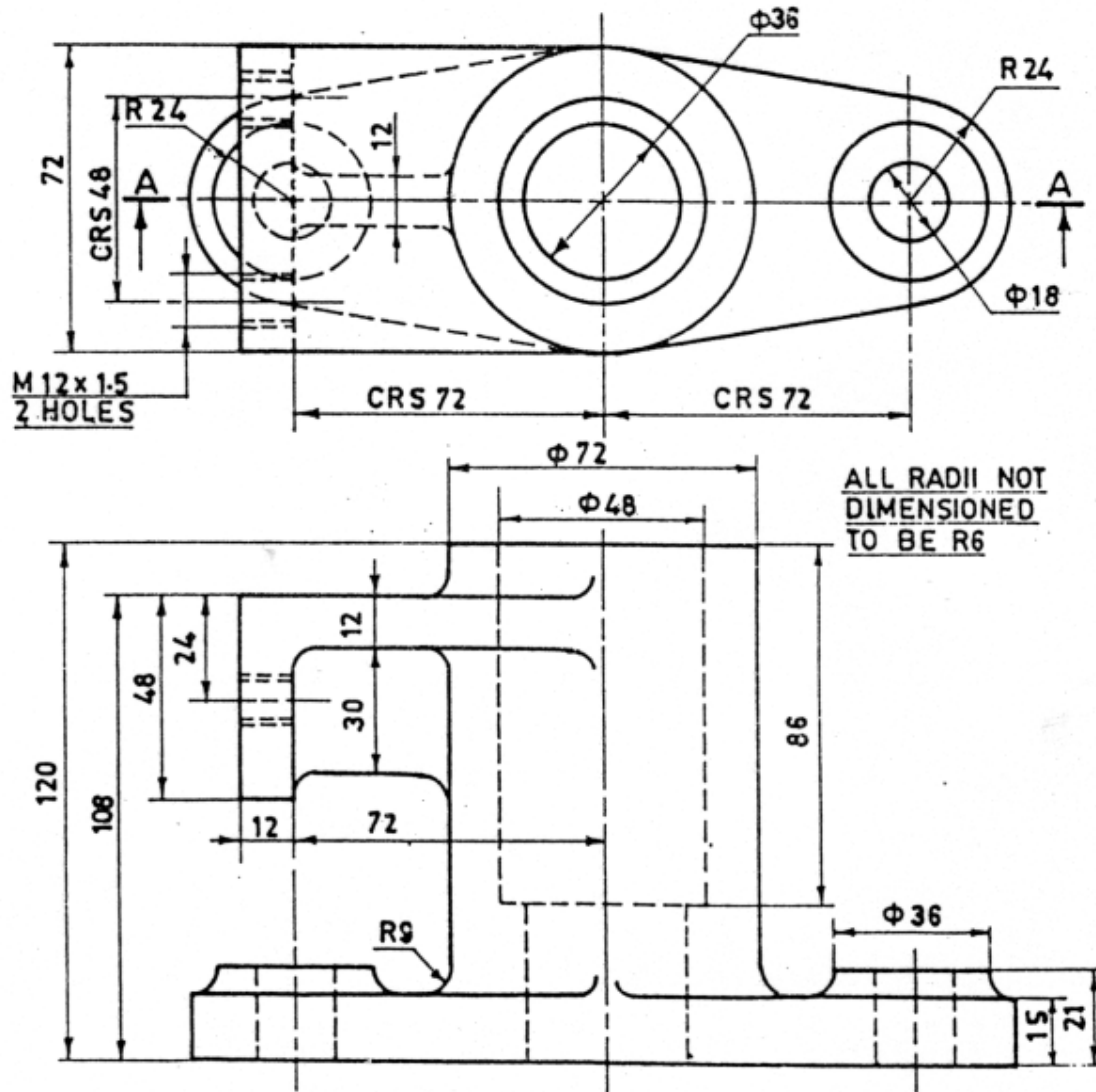
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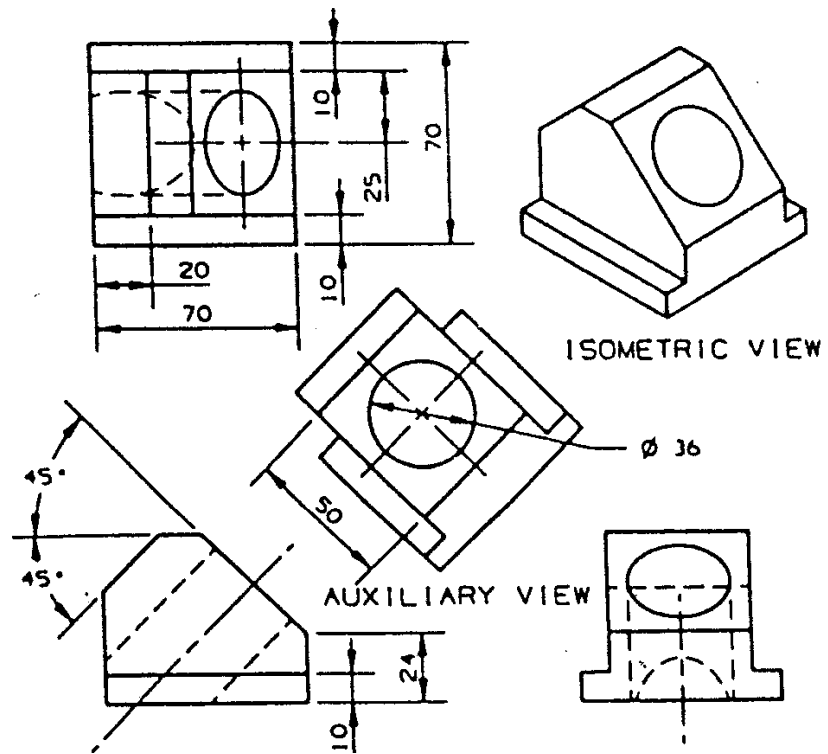


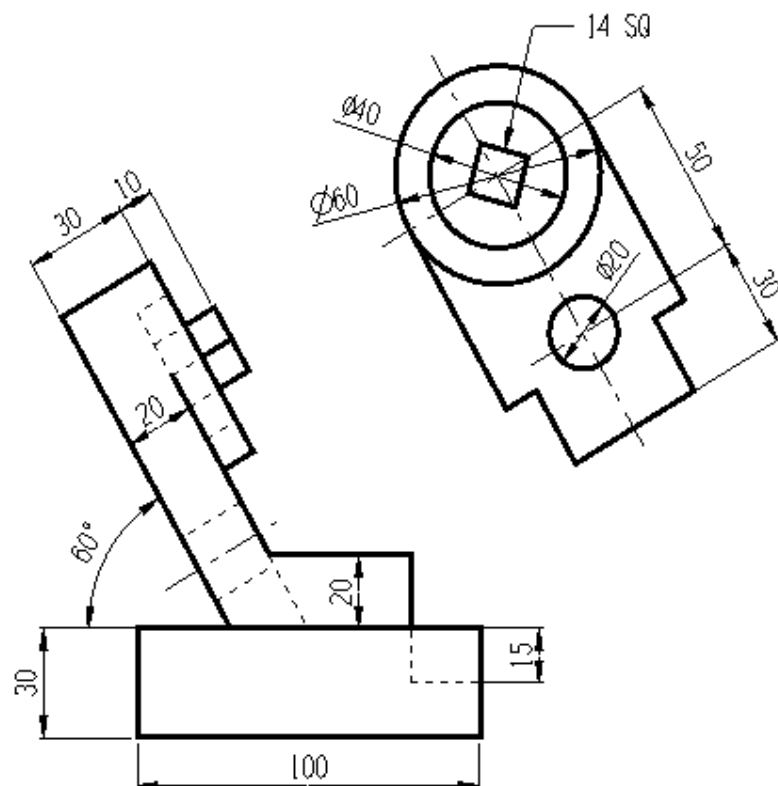
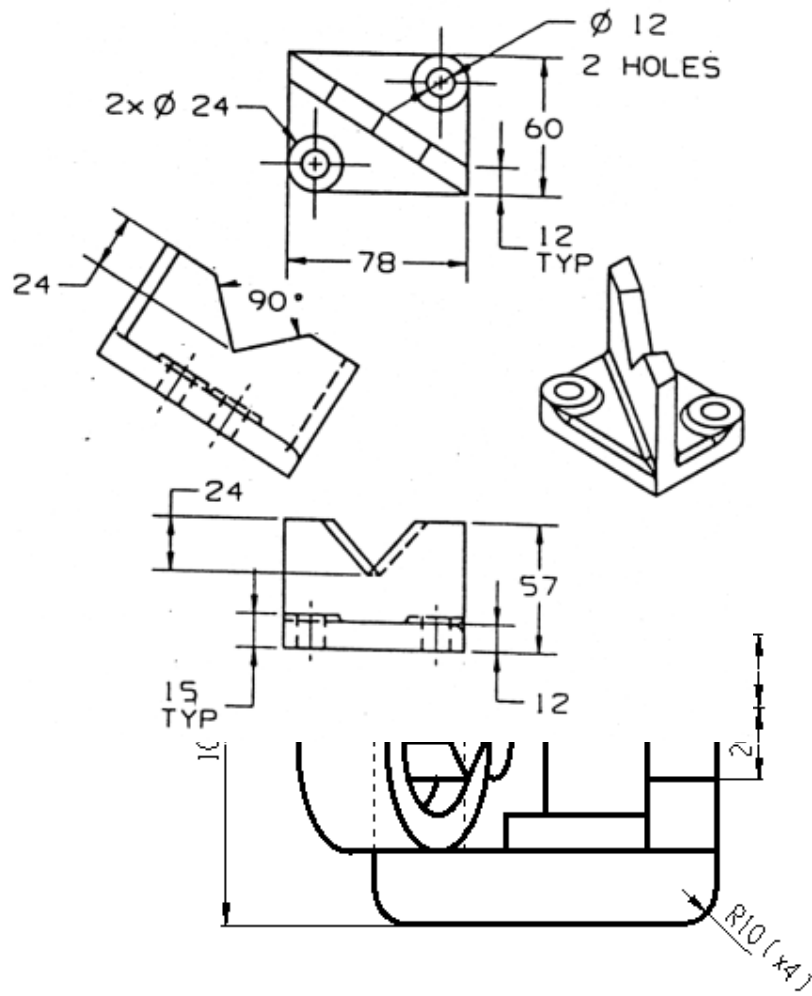


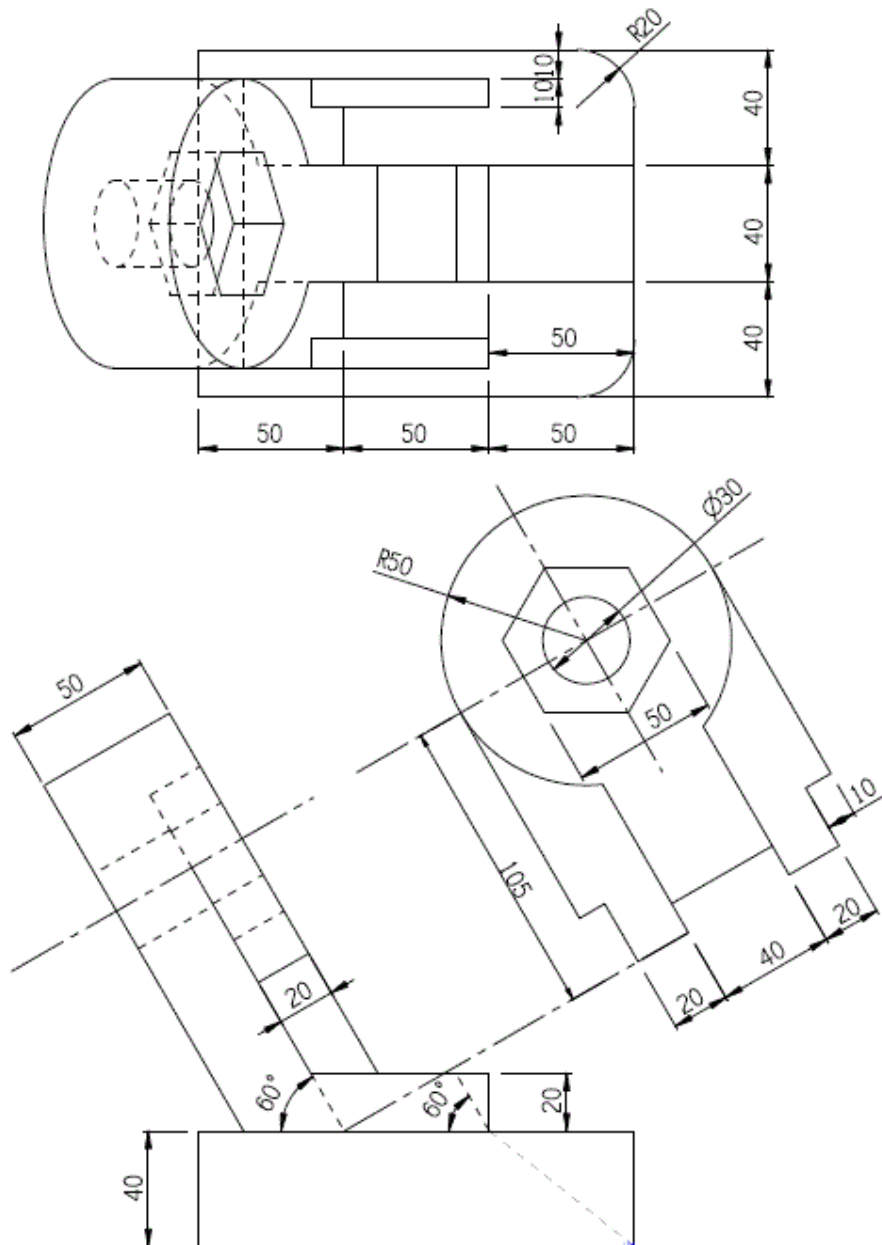


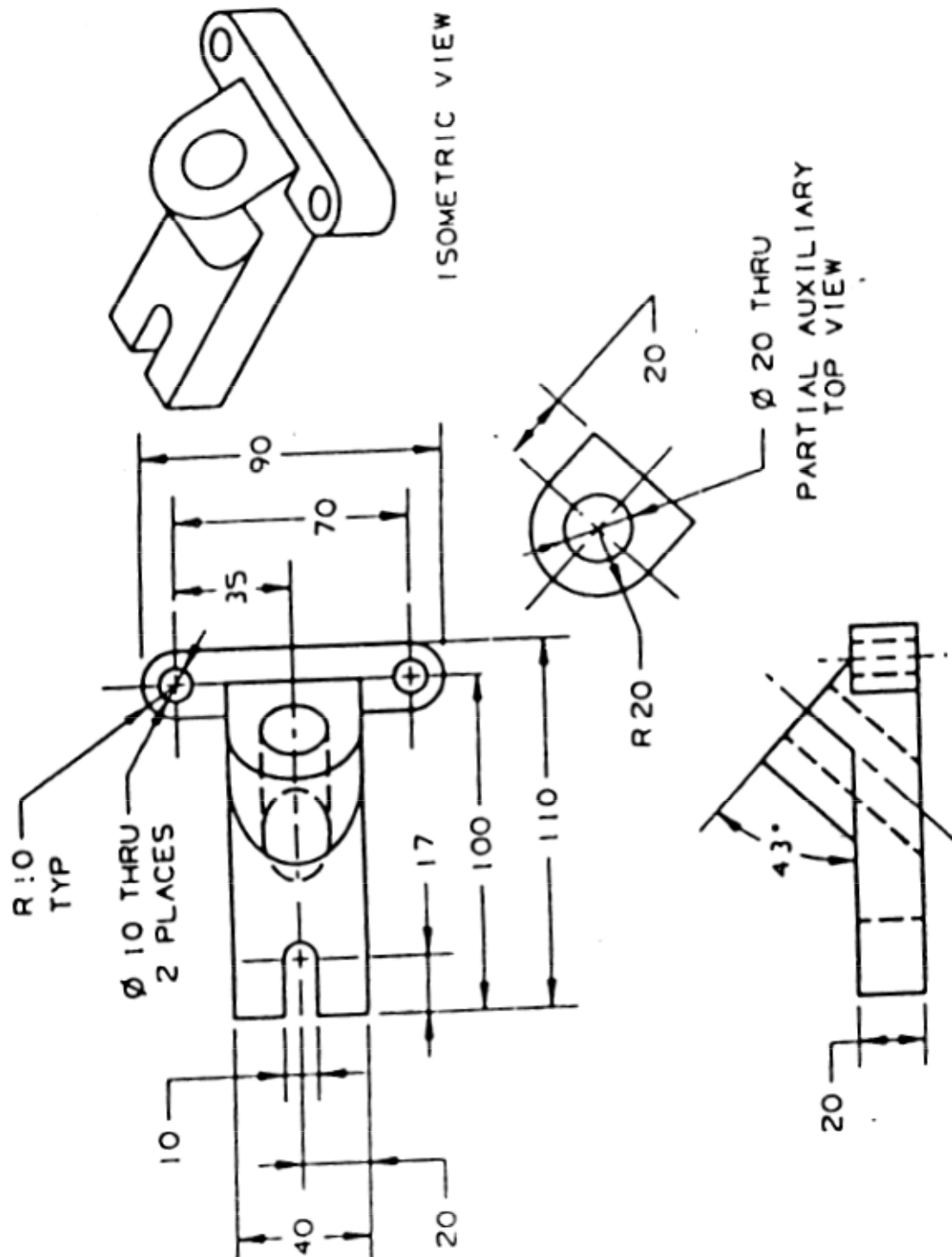


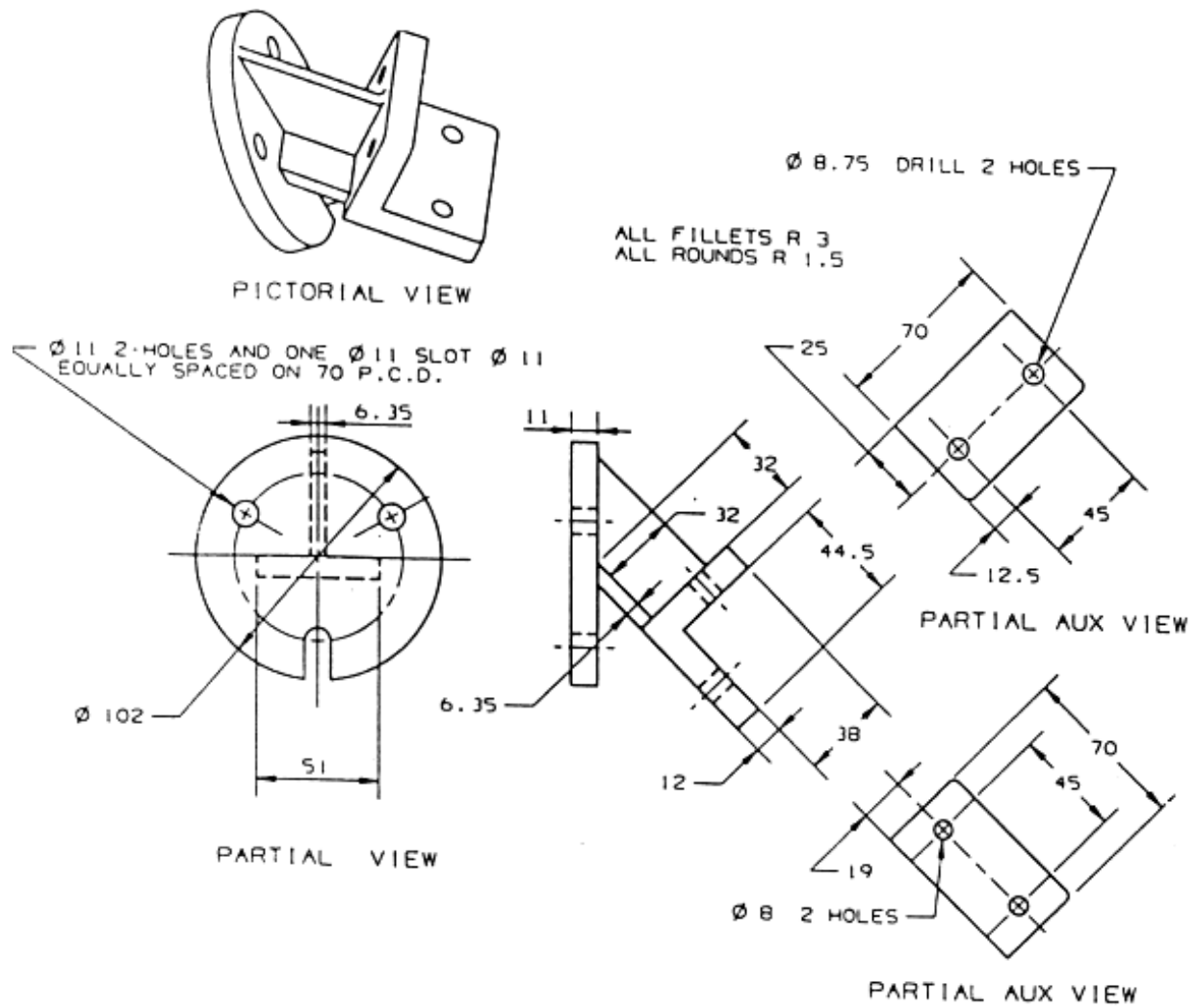


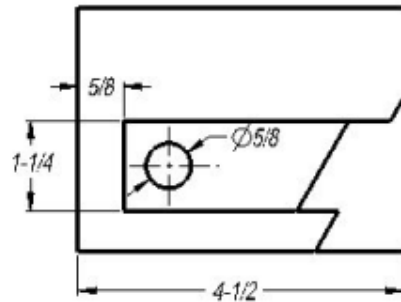




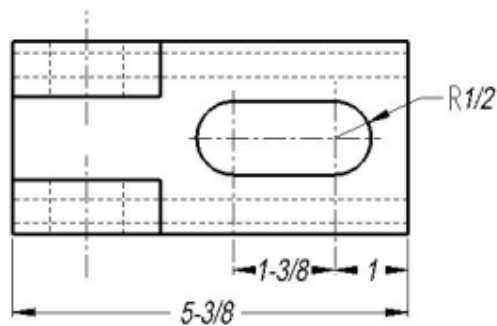
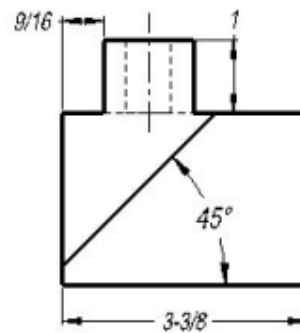
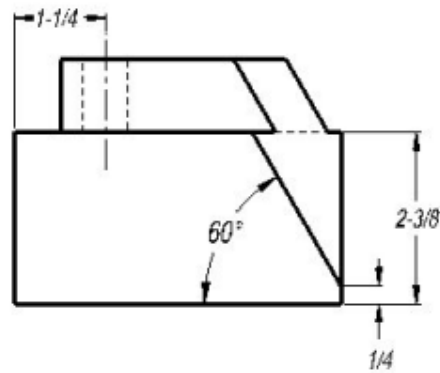




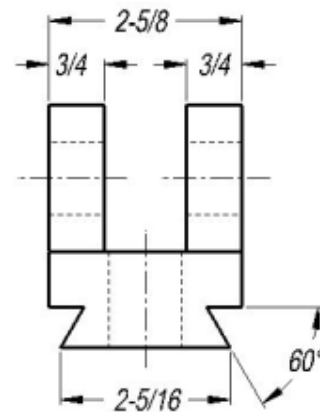
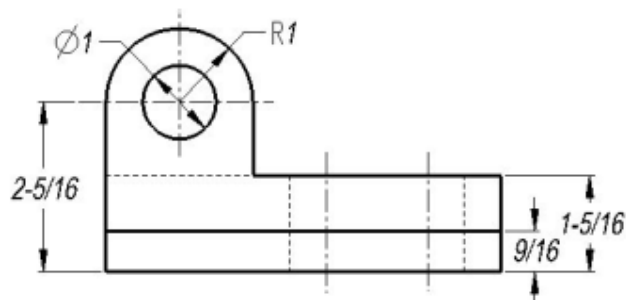




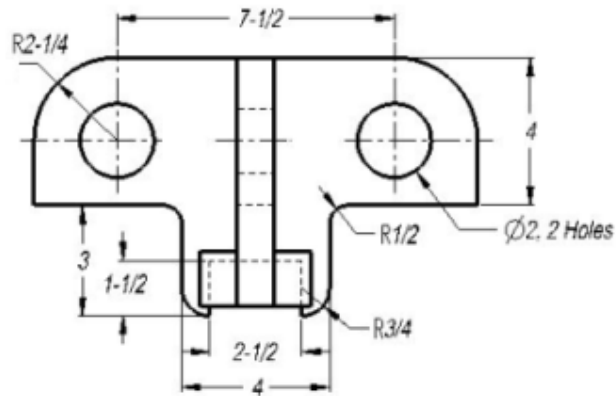
Wedge Block



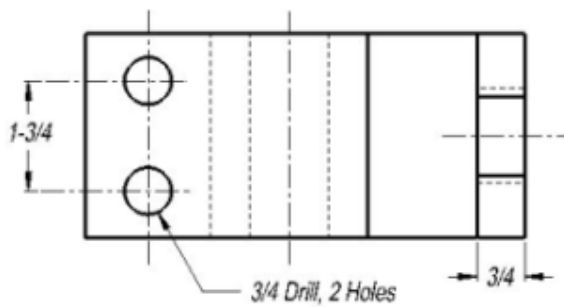
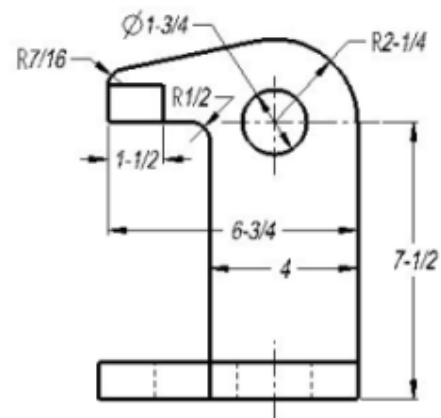
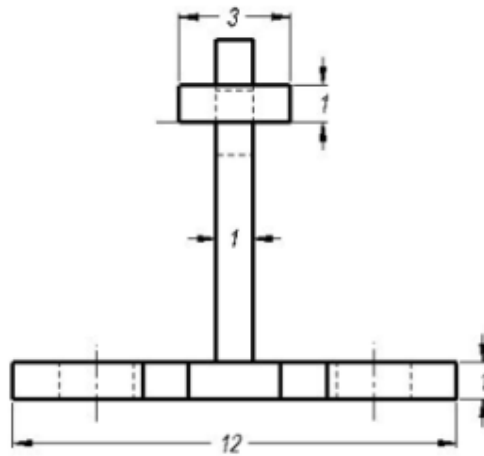
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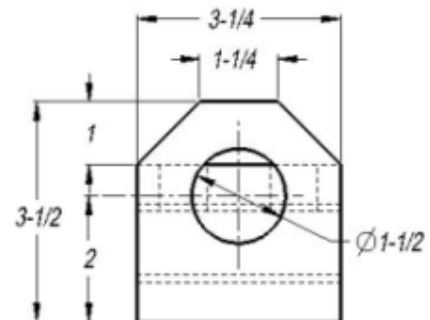
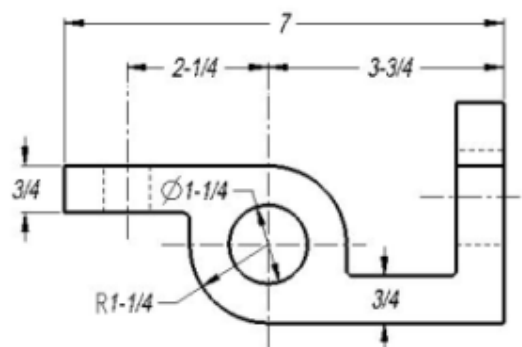


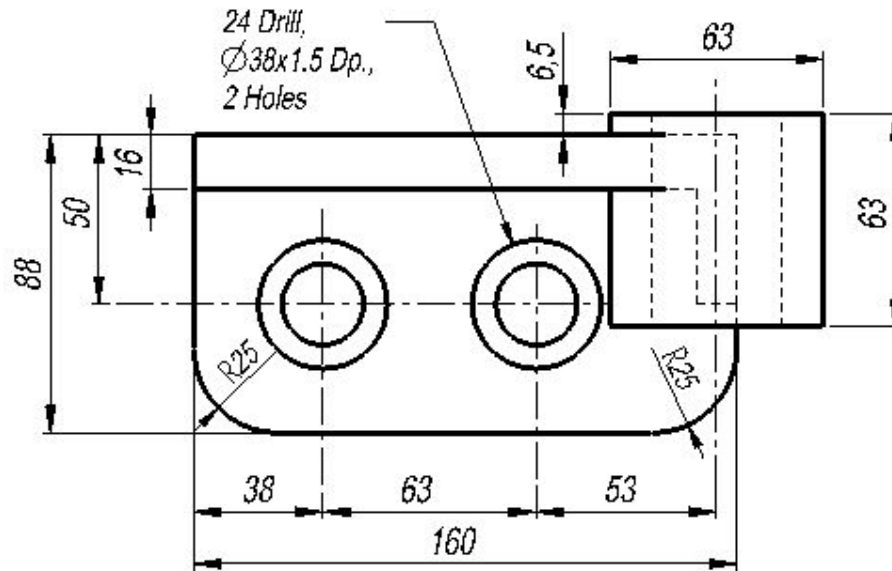


Slide Stop

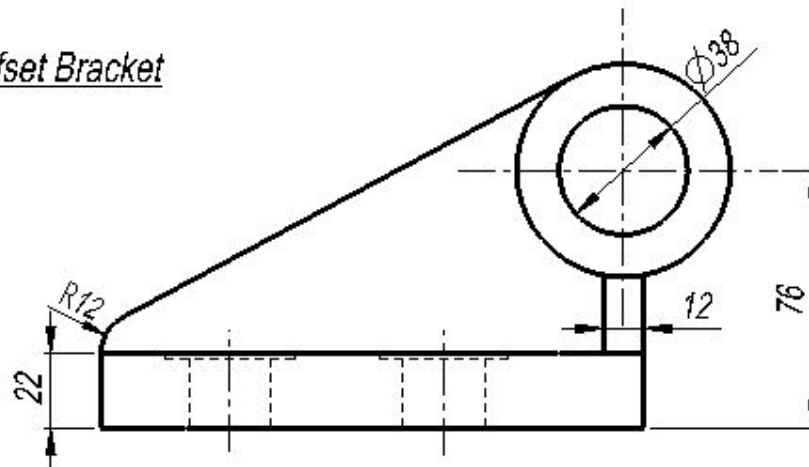


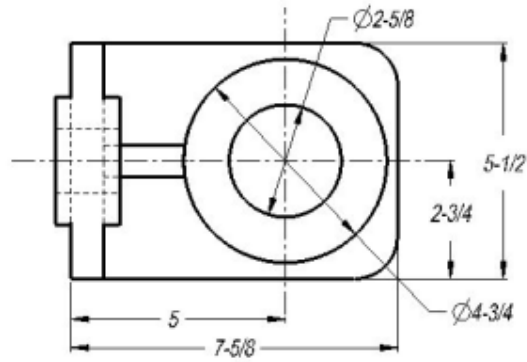
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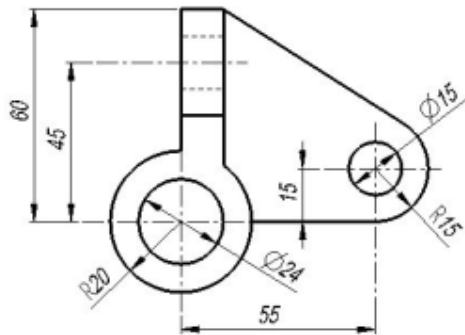
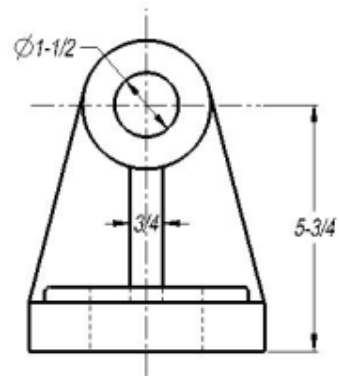
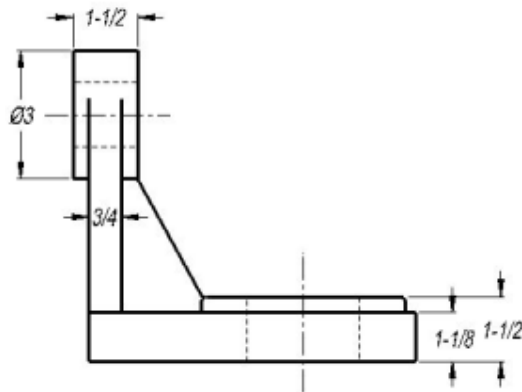


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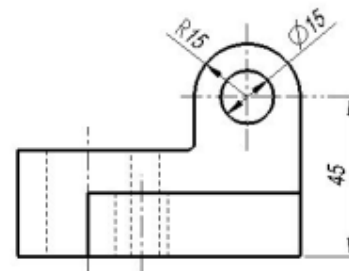
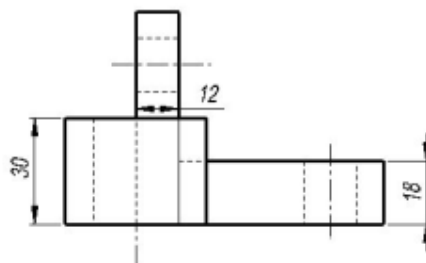




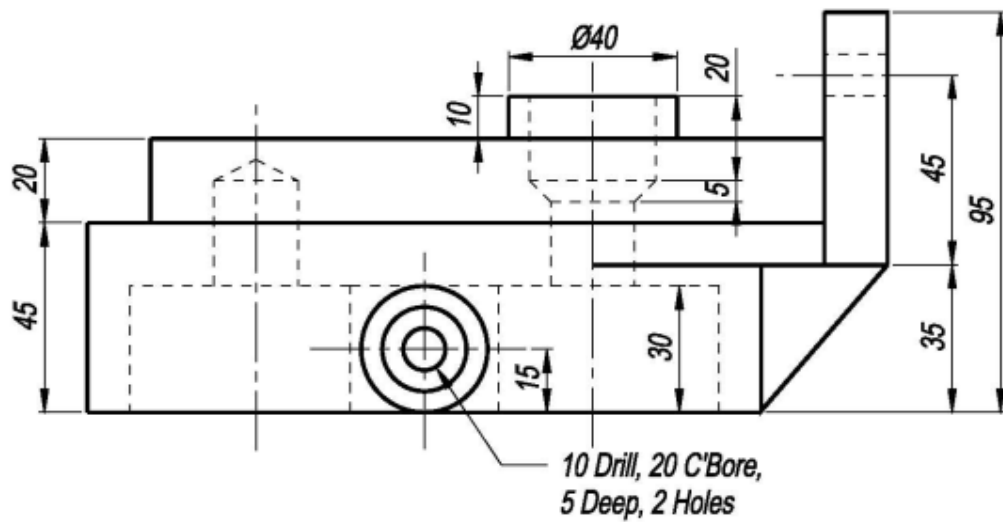
Cradle Bracket

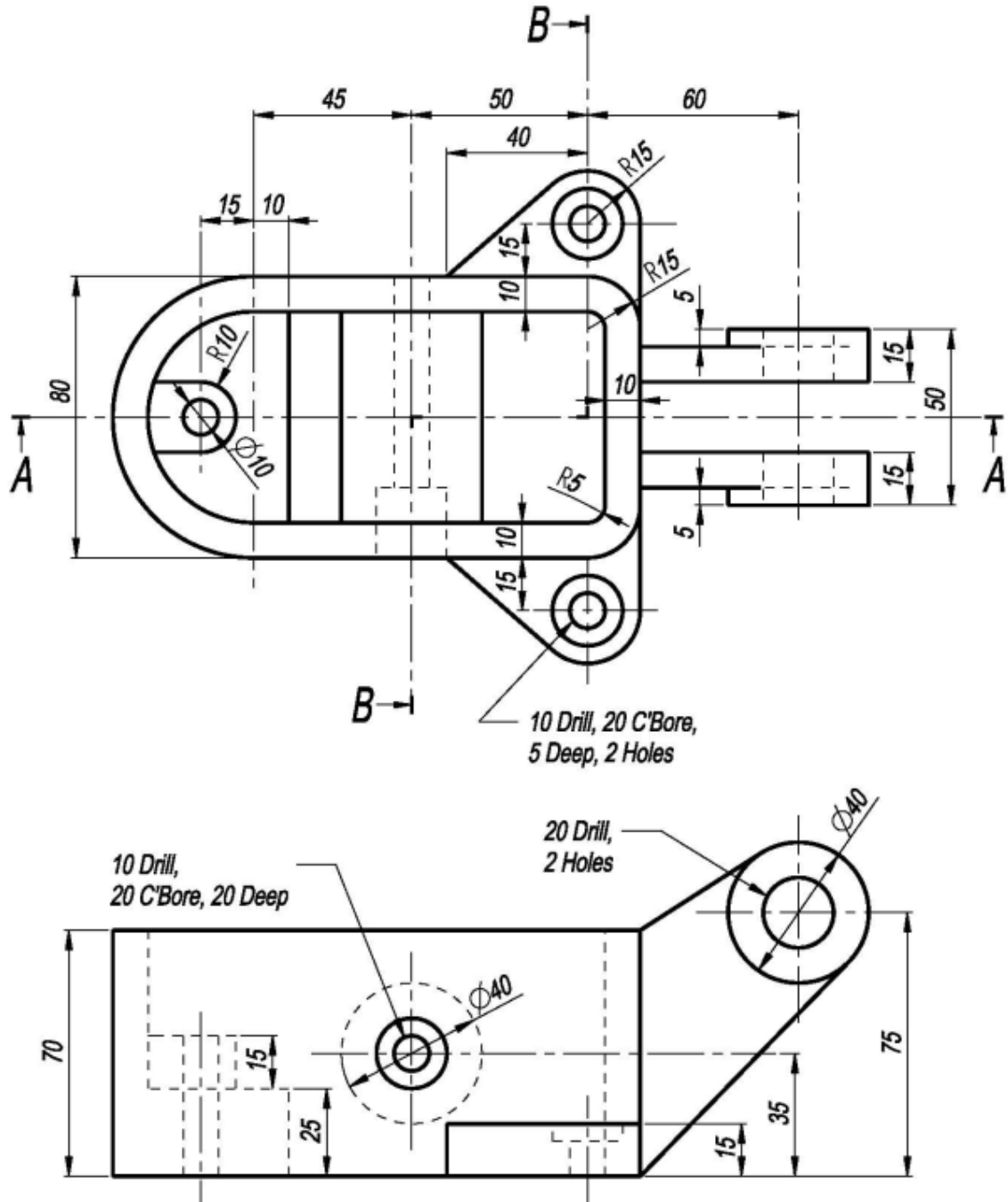


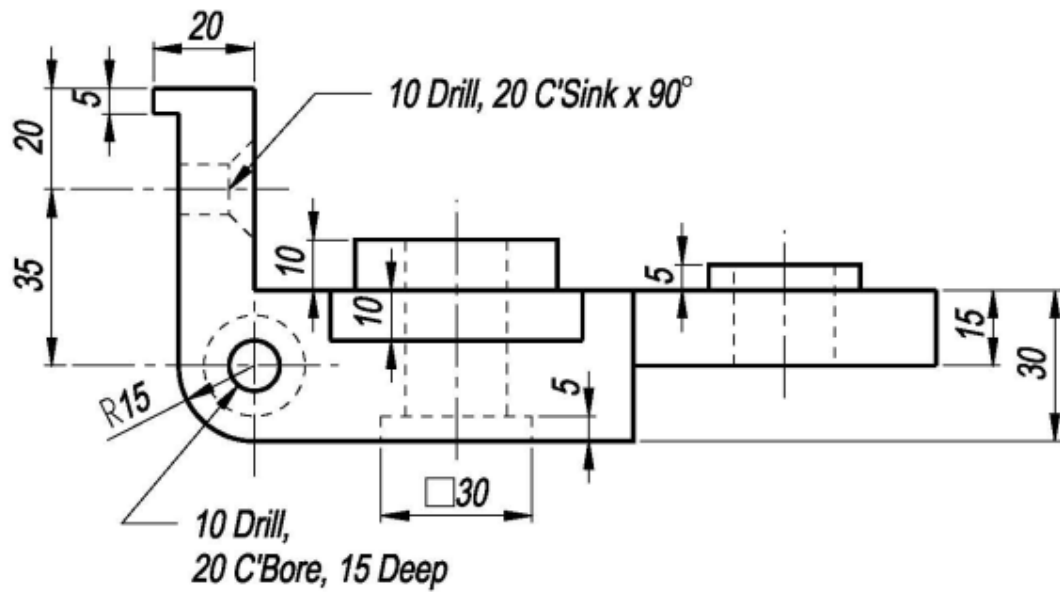
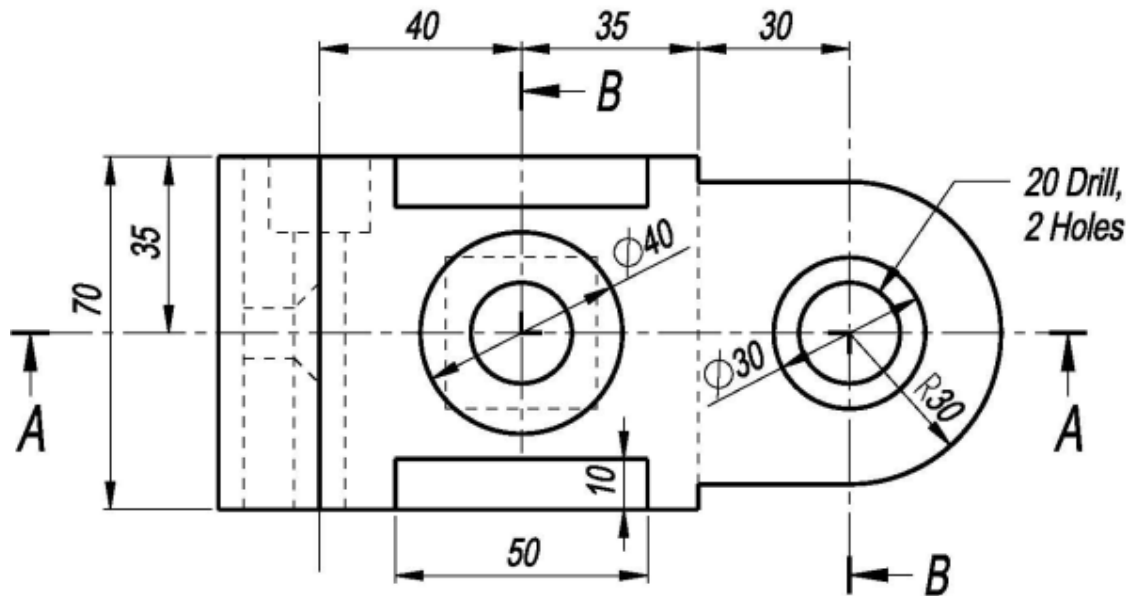
Cable Clip

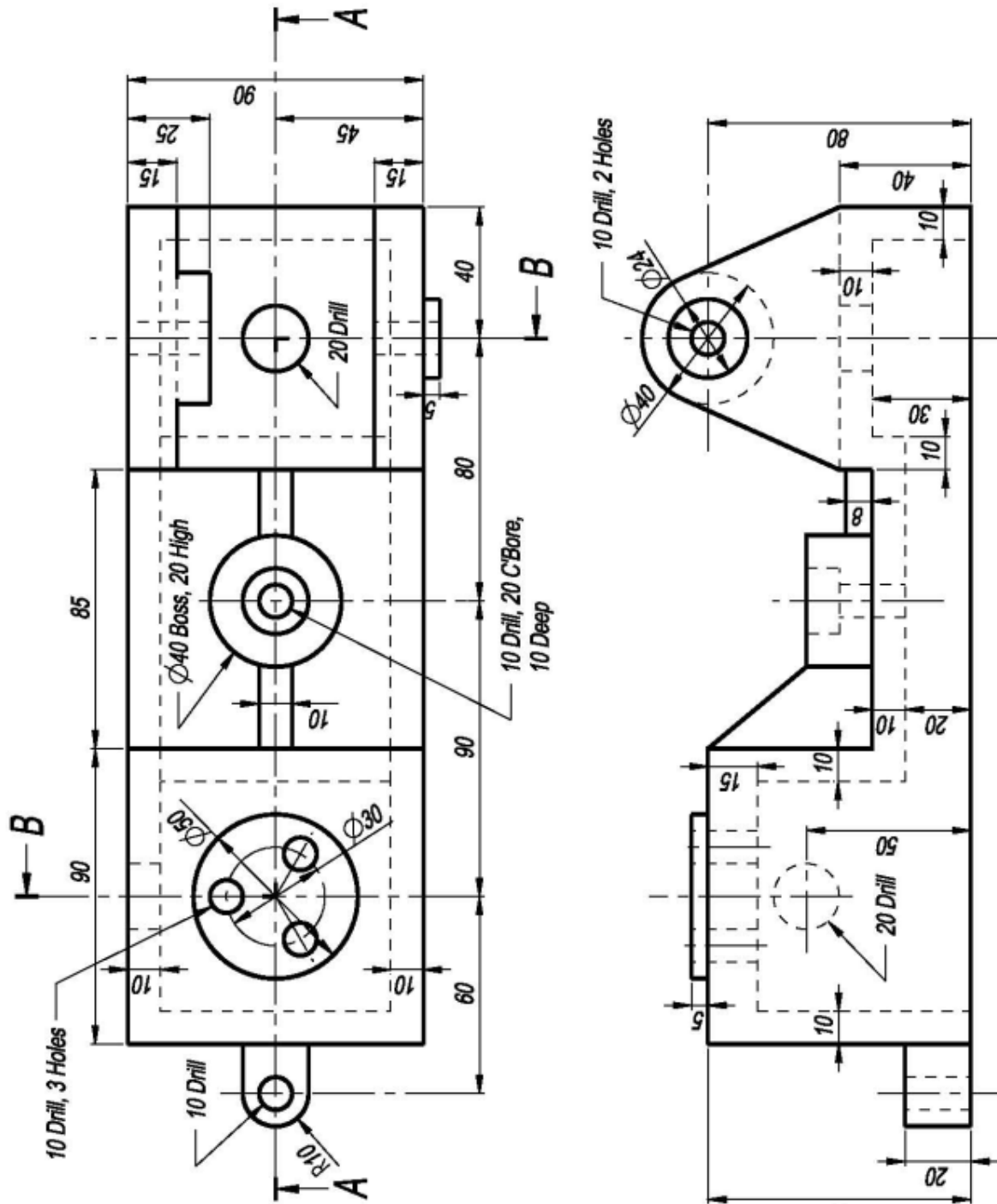




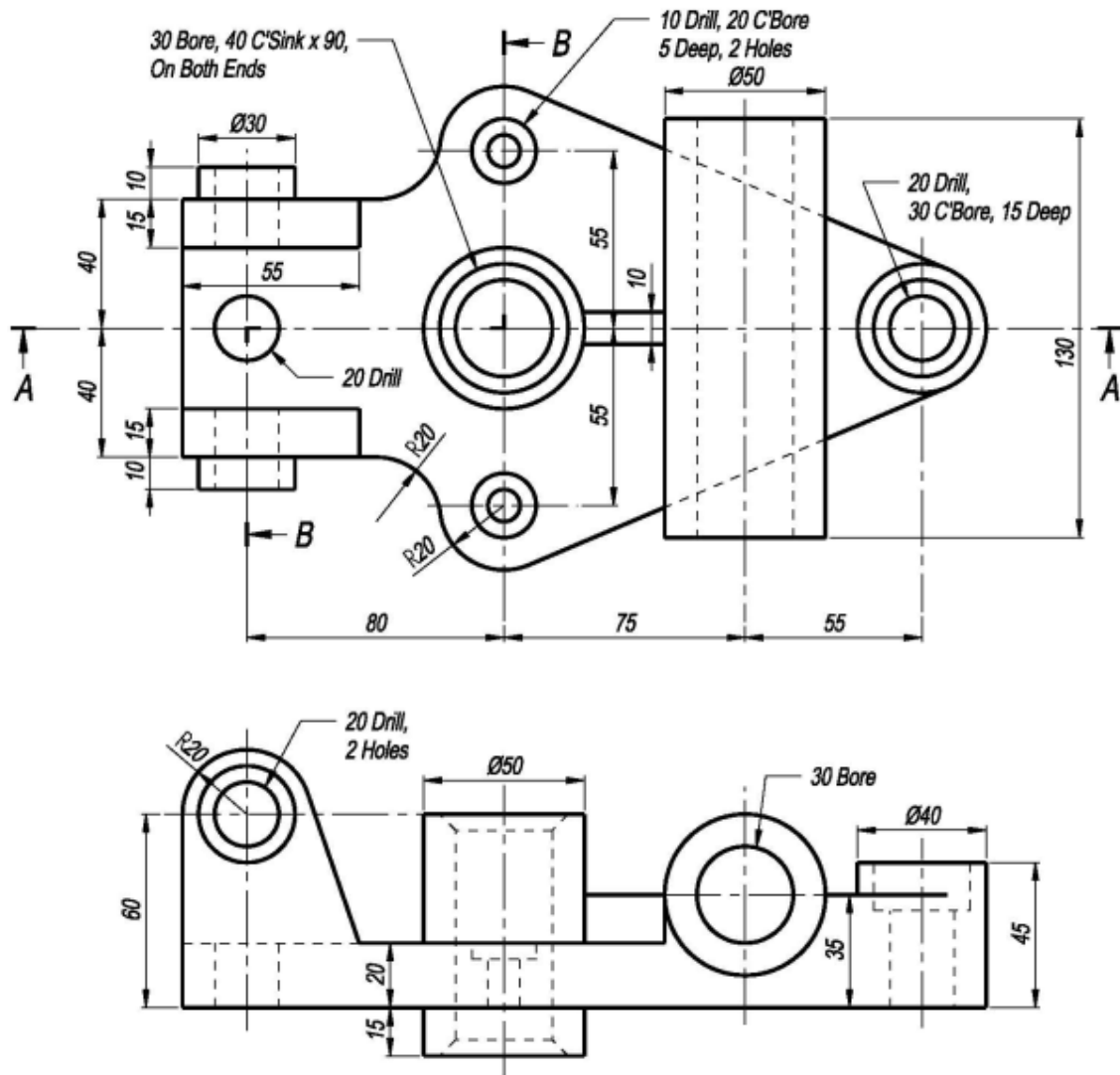


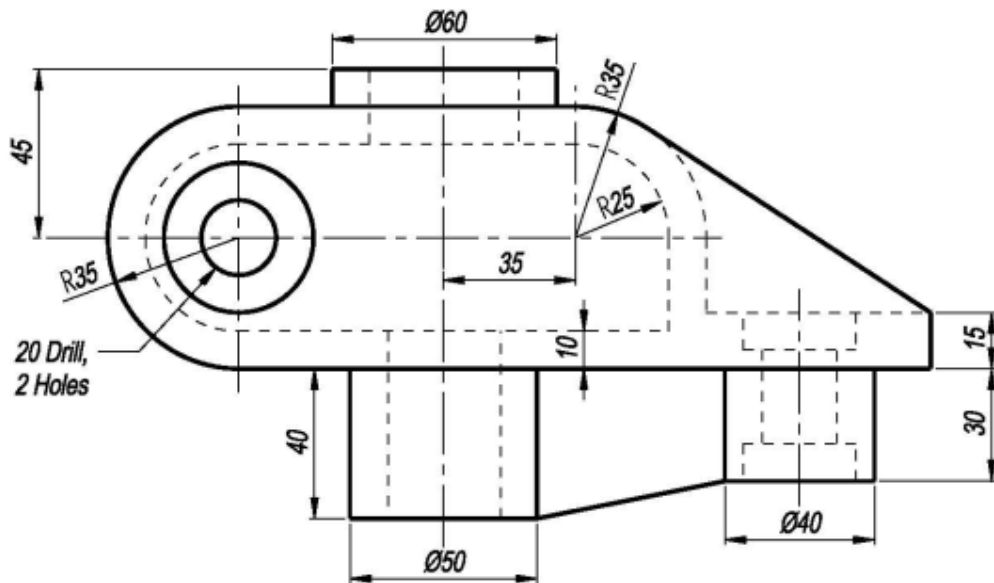
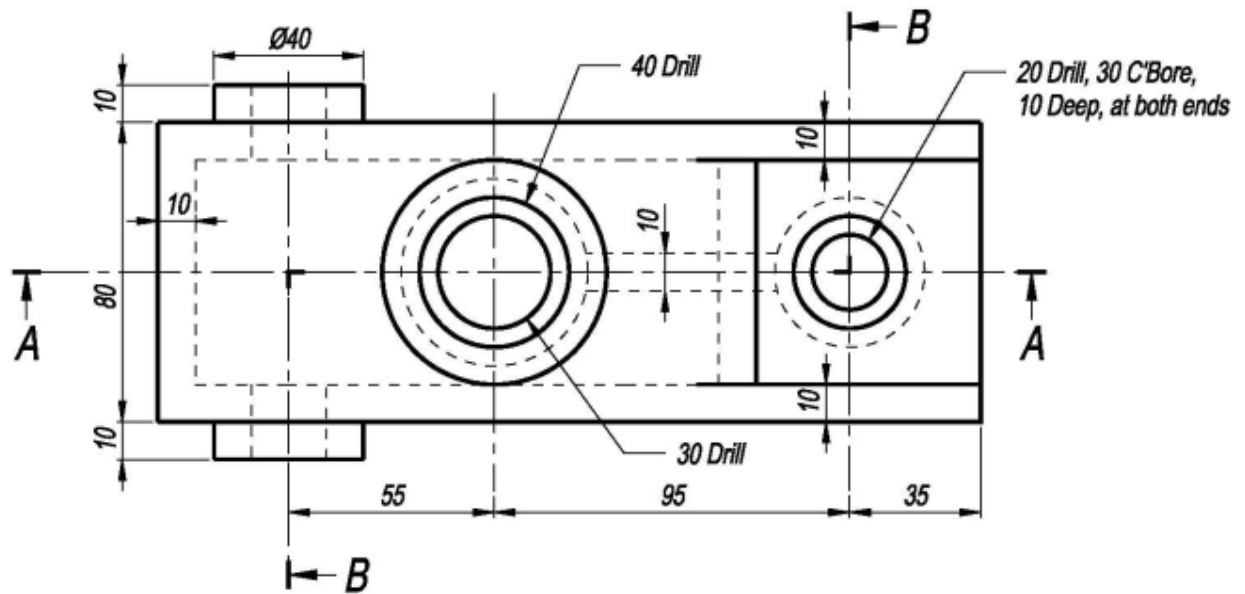


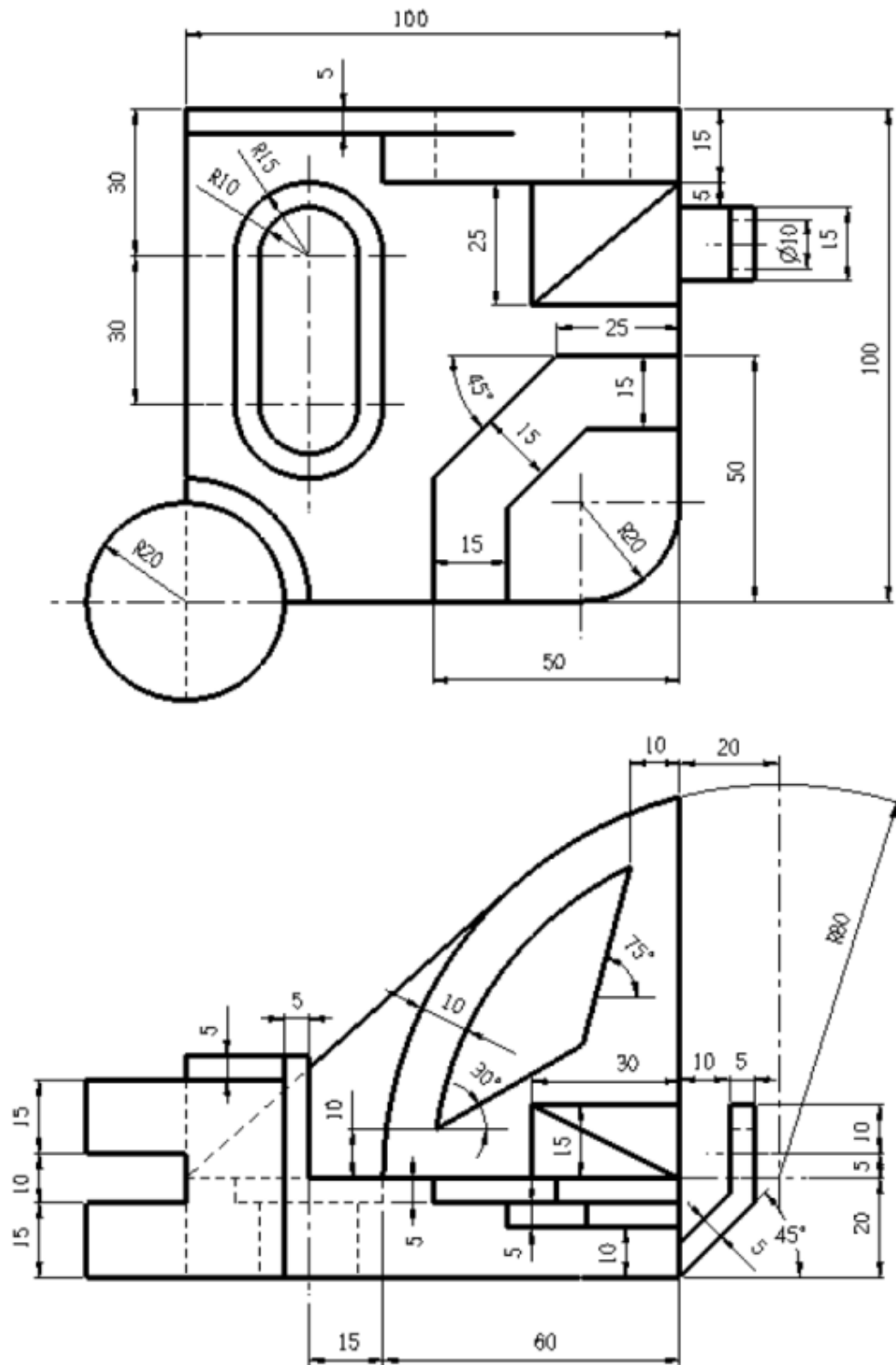


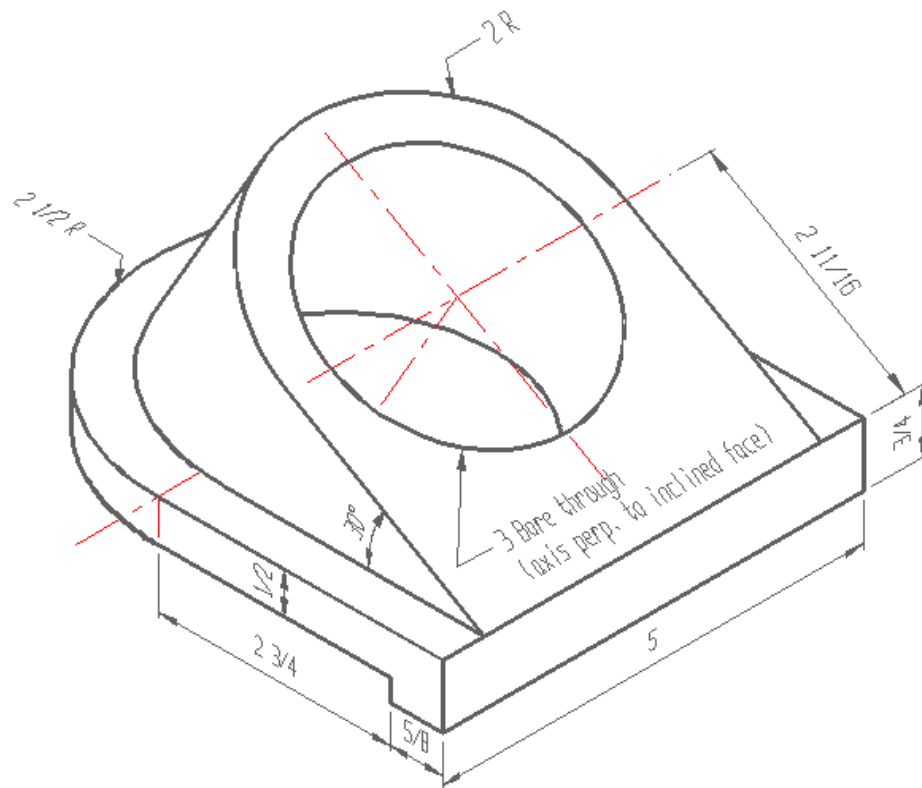
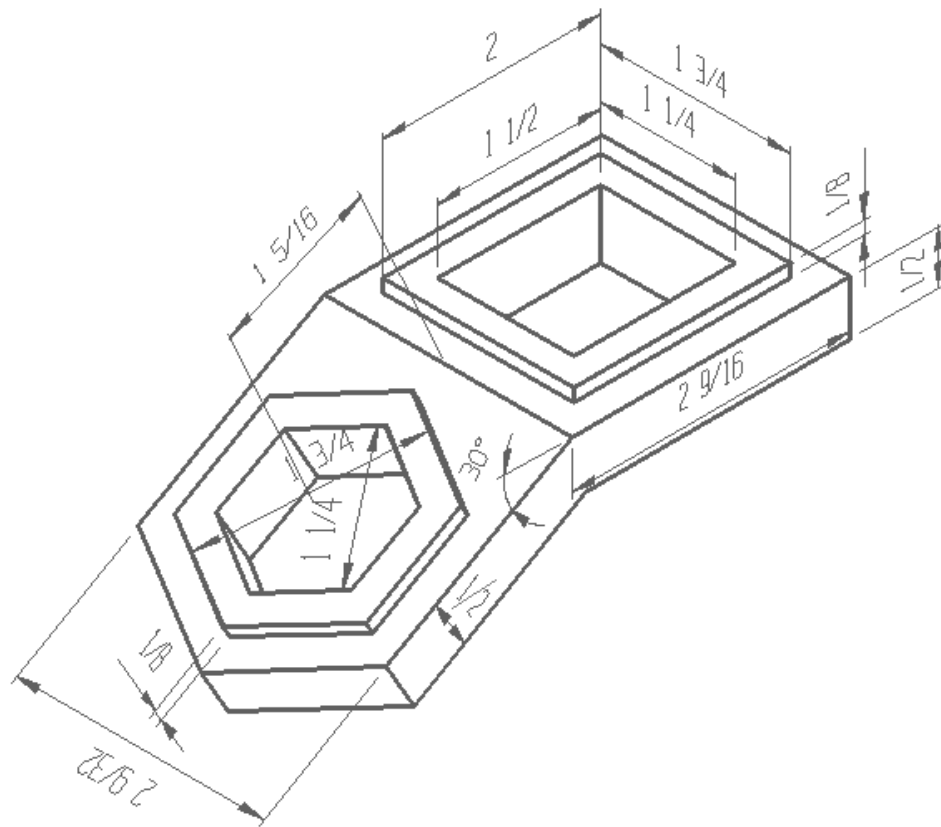


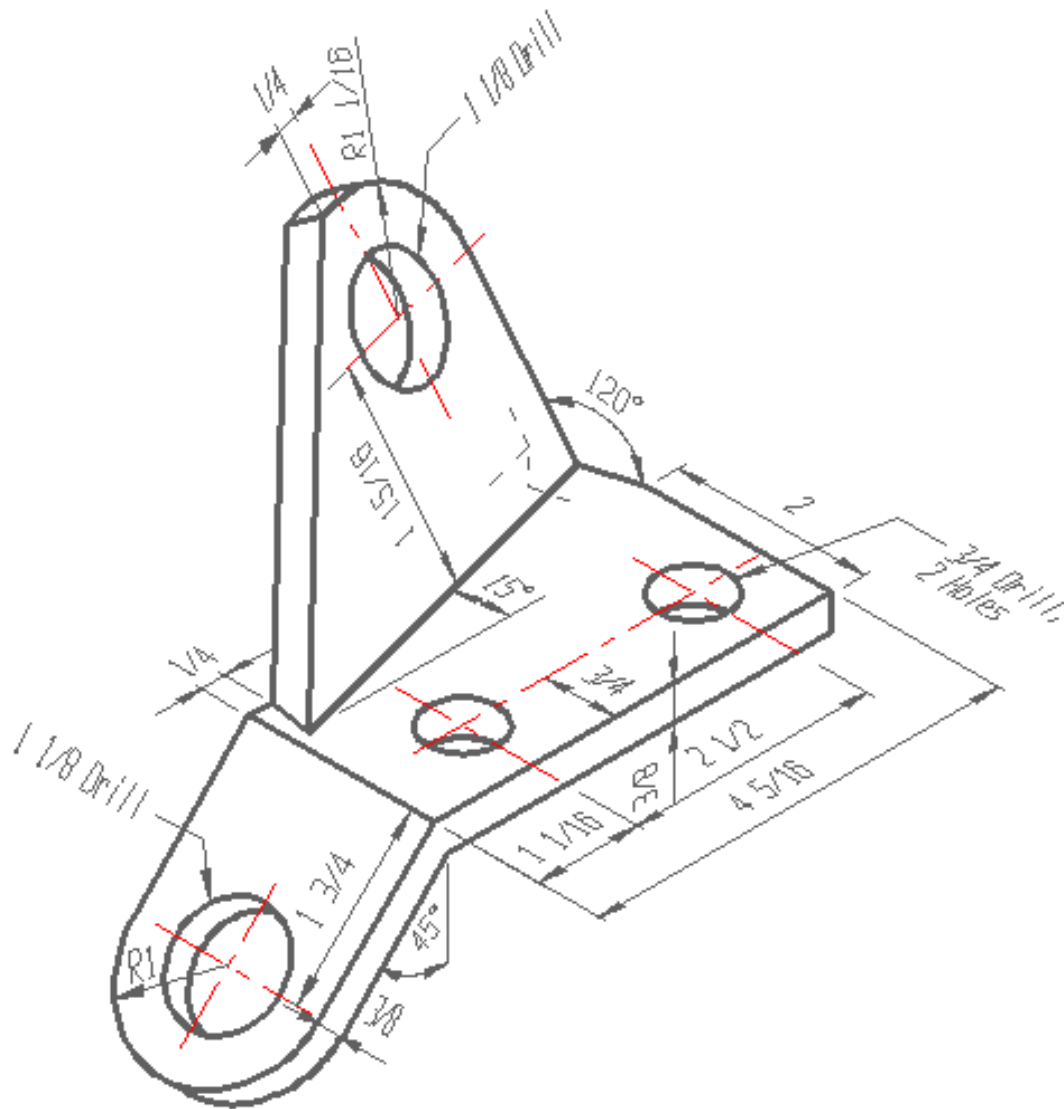


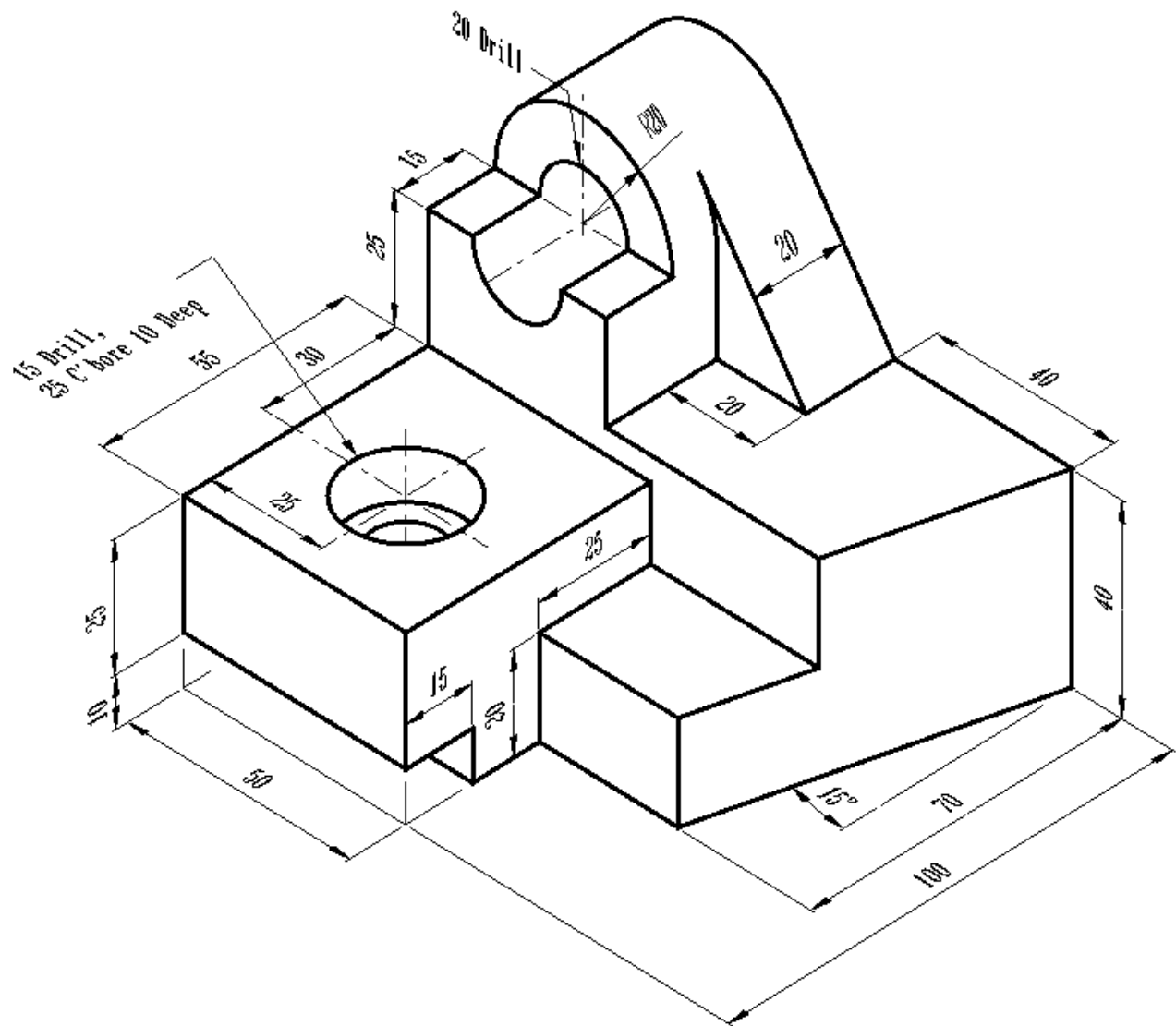












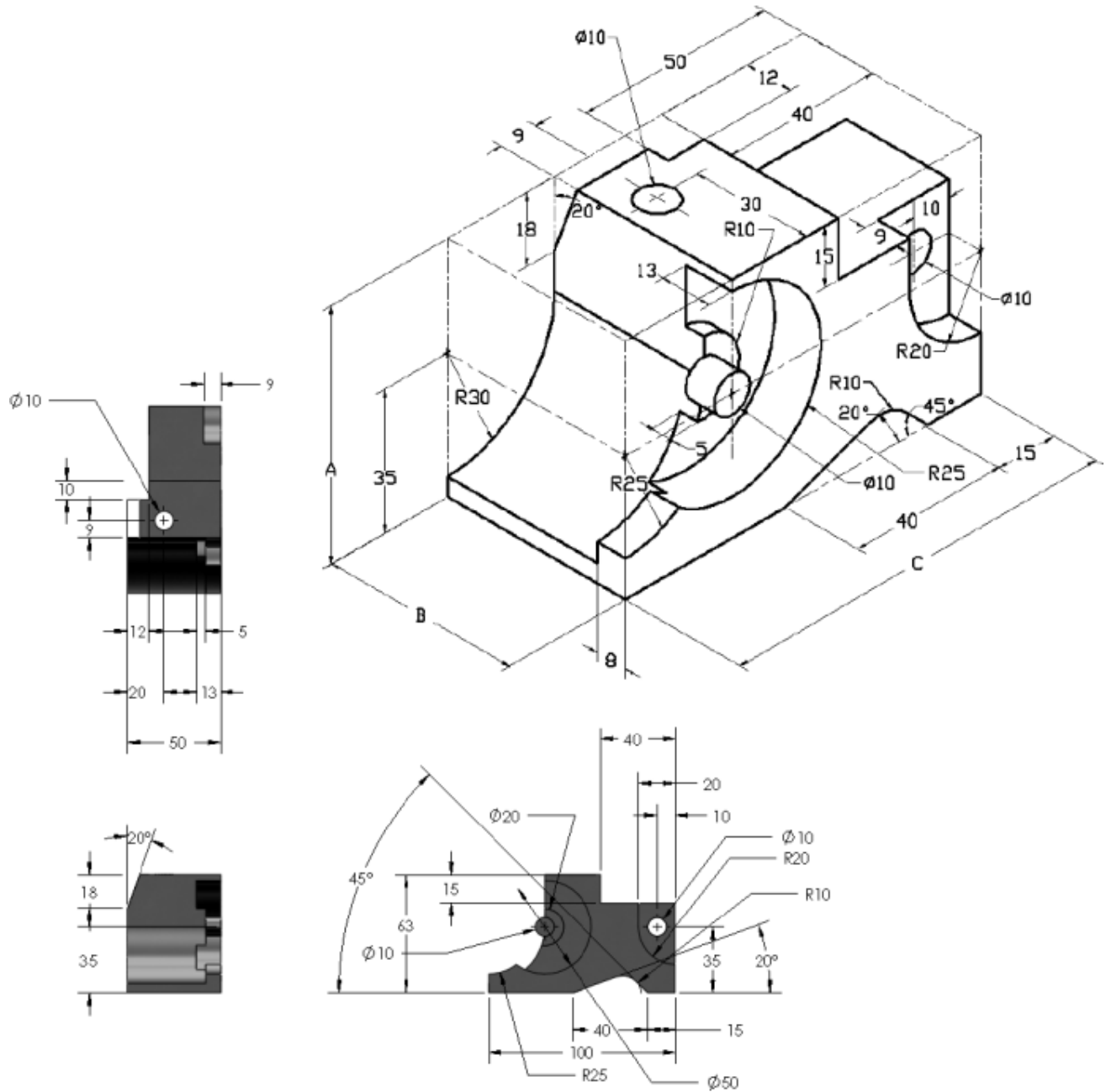


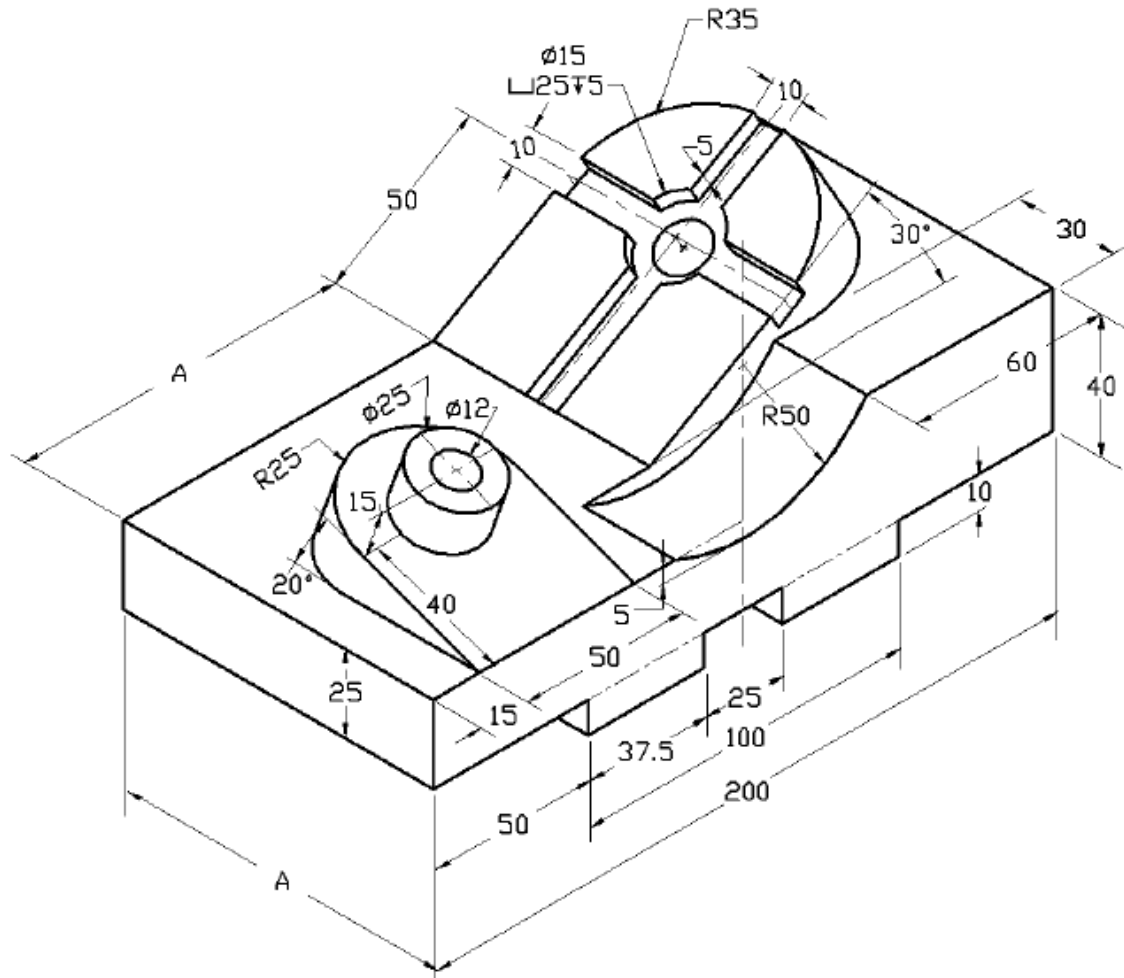


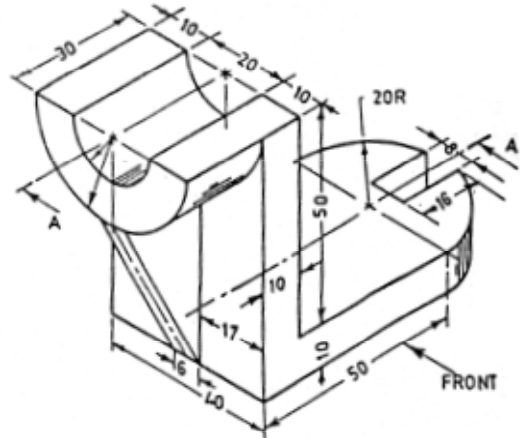
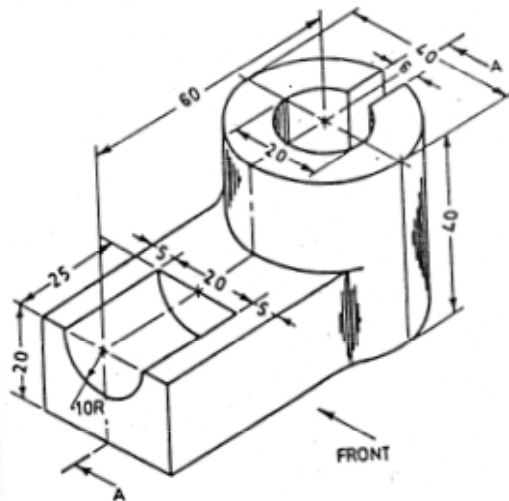
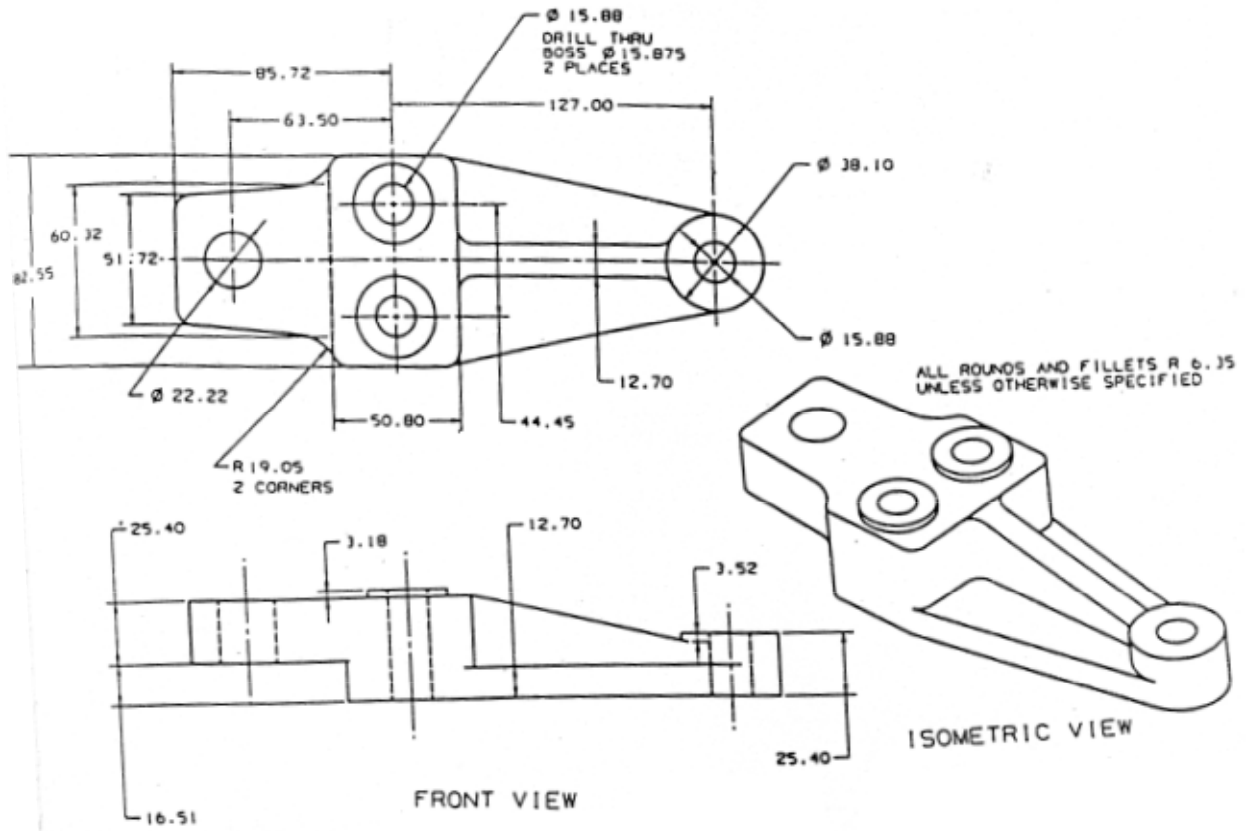




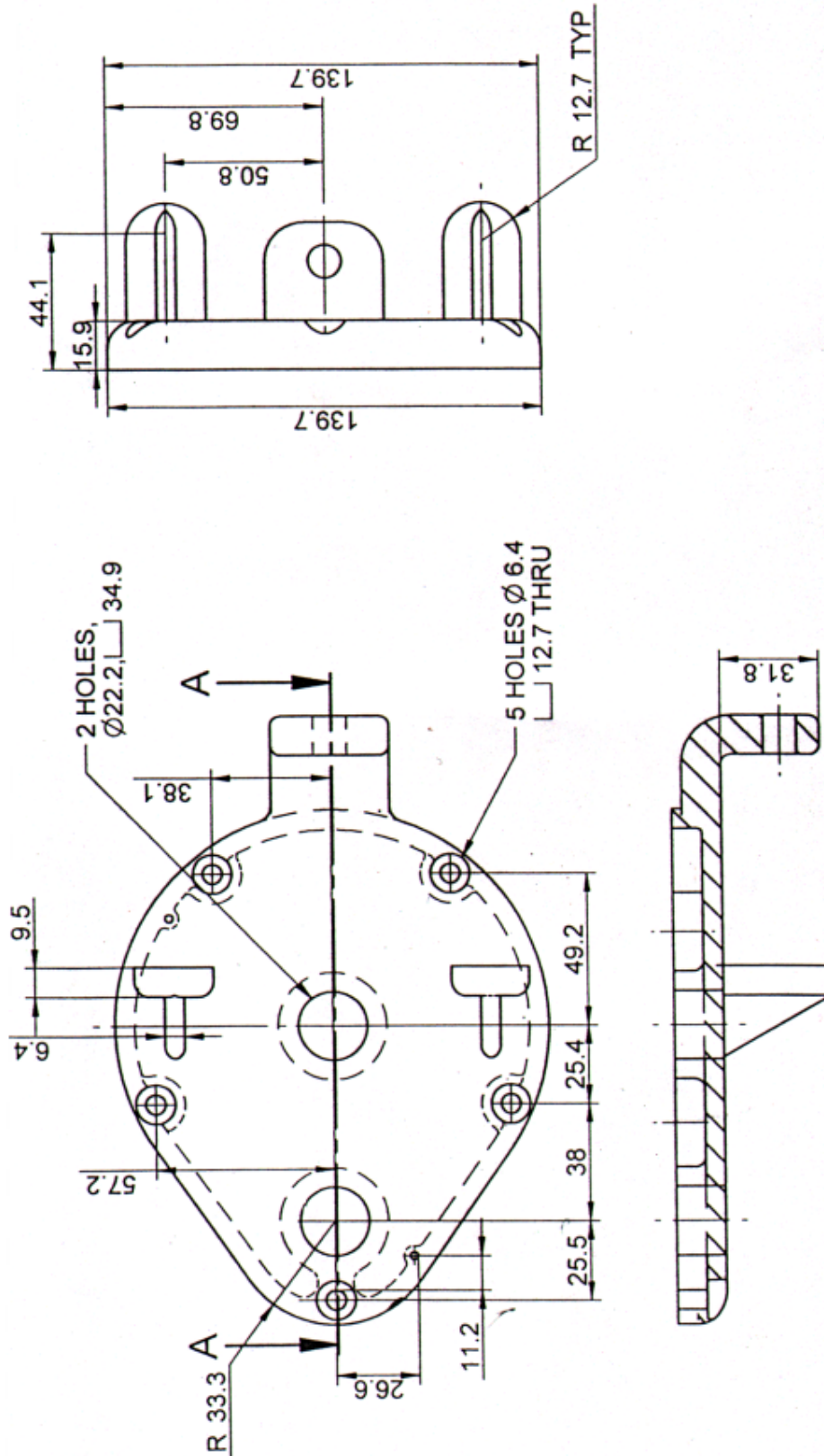






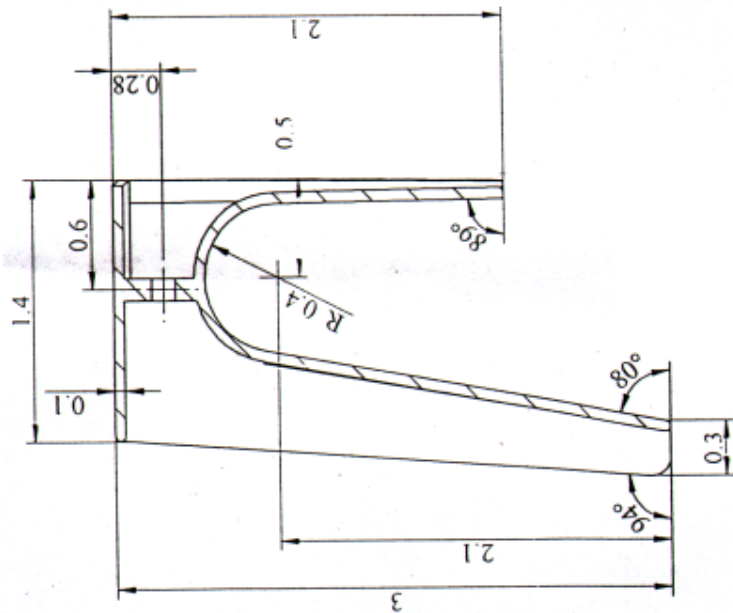








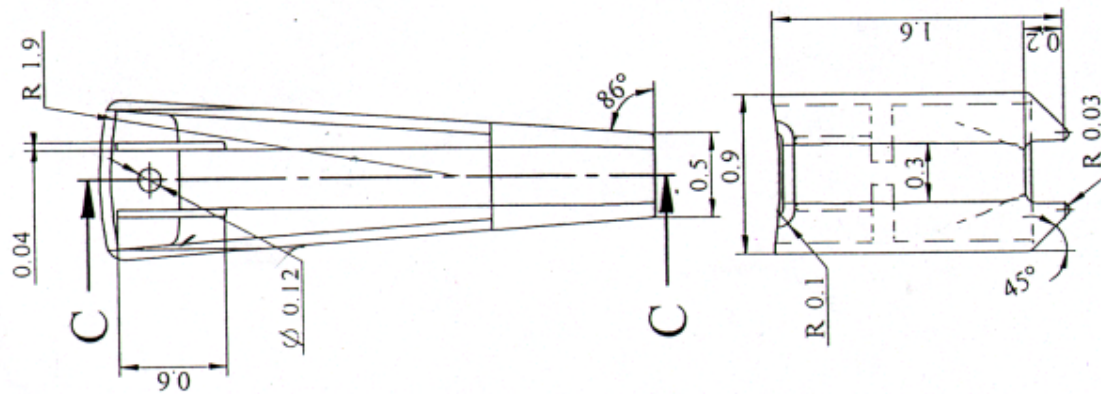


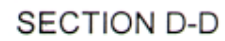


**SECTION C-C**

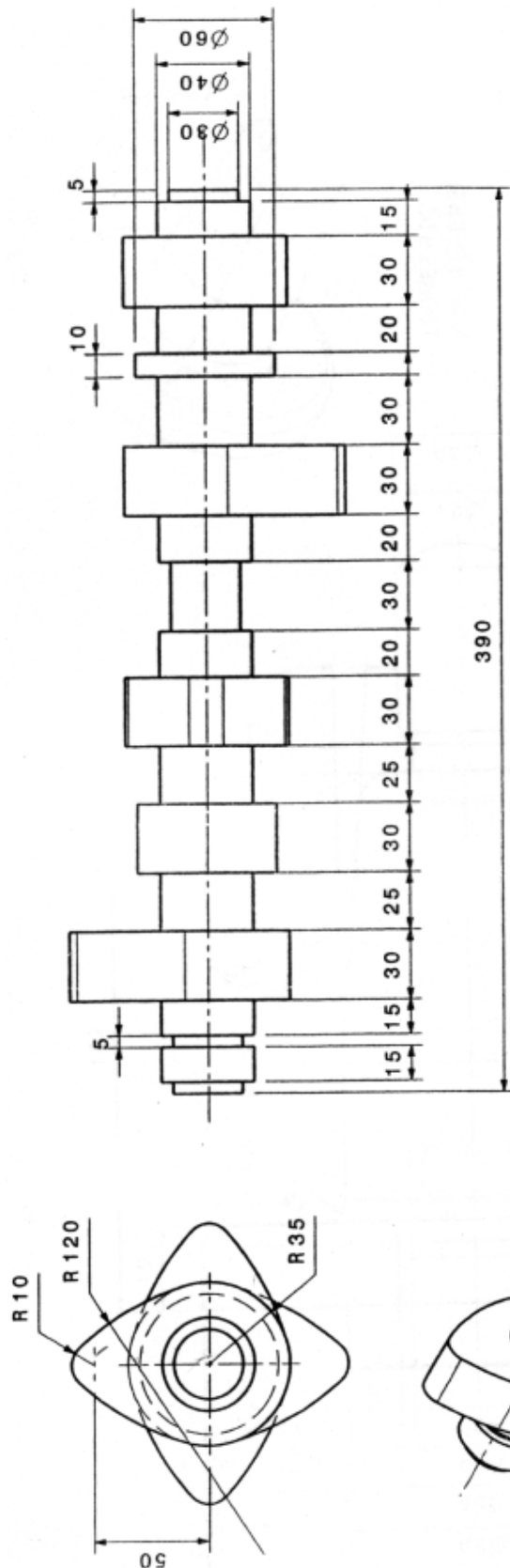
ALL UNMENTIONED FILLETS R=0.1 INCH  
 UNLESS OTHERWISE SPECIFIED DIMENSION  
 IF IN DOUBT ASK THE CONCERNED FACULTY

NAME	DATE
DRAWN BY MUDASSIR	03/09/05
CHECKED BY SANDEEP	08/10/05
SCALE:- 1 : 2	



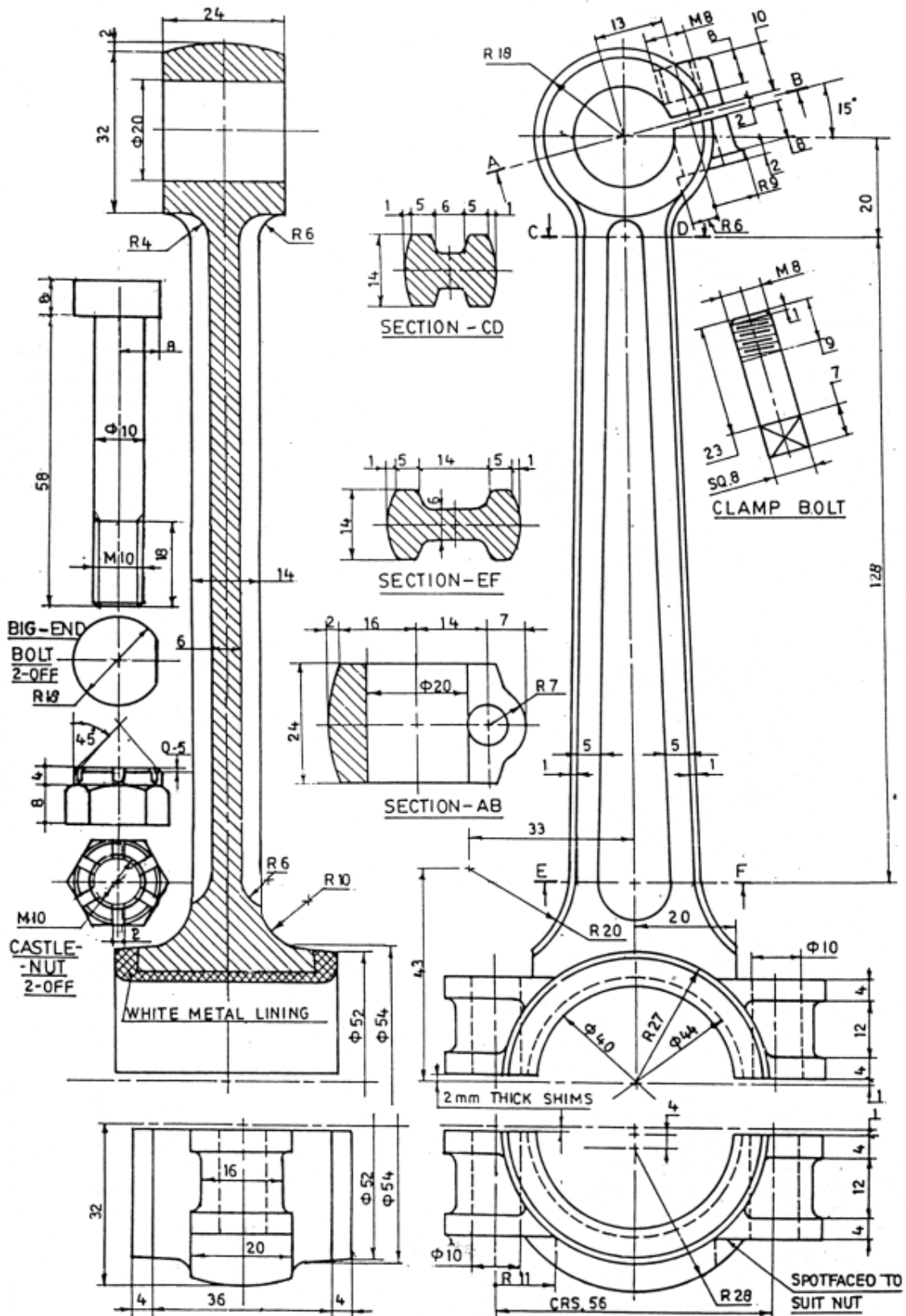






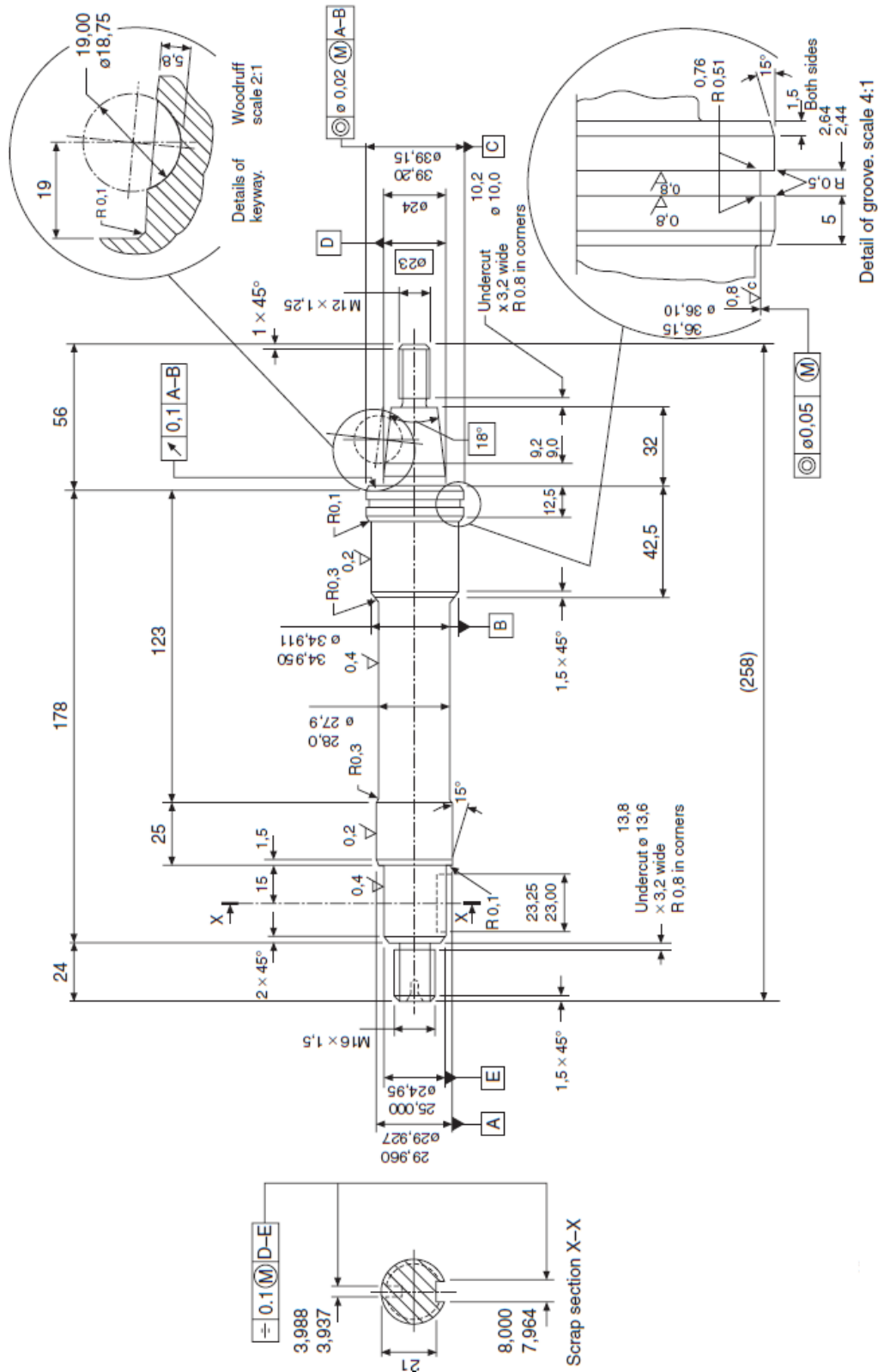
**CAMSHAFT**


**ISOMETRIC VIEW  
 FOR REFERENCE ONLY**

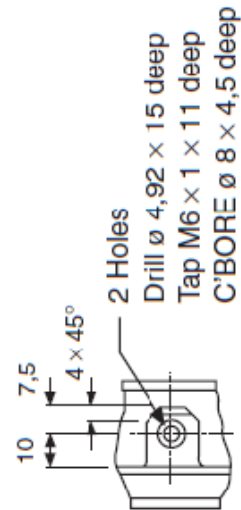
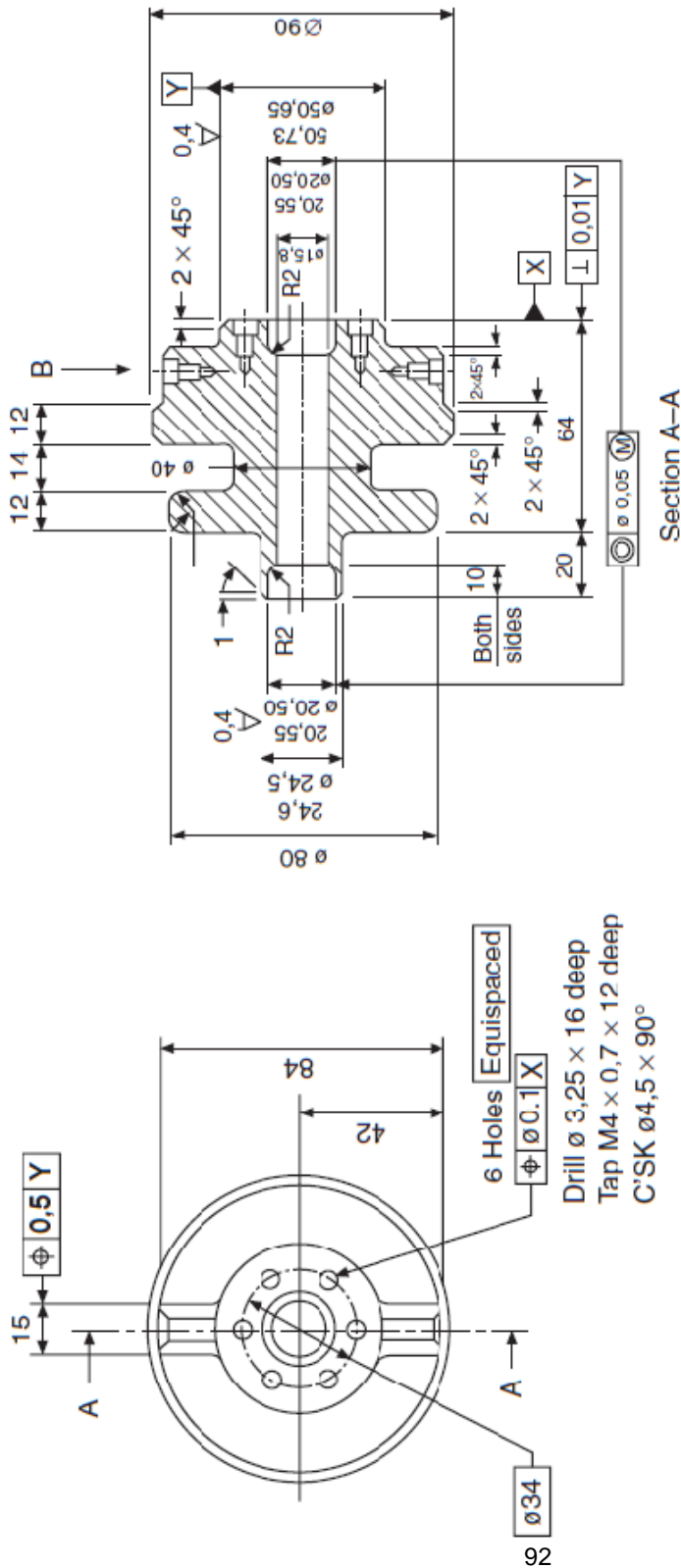








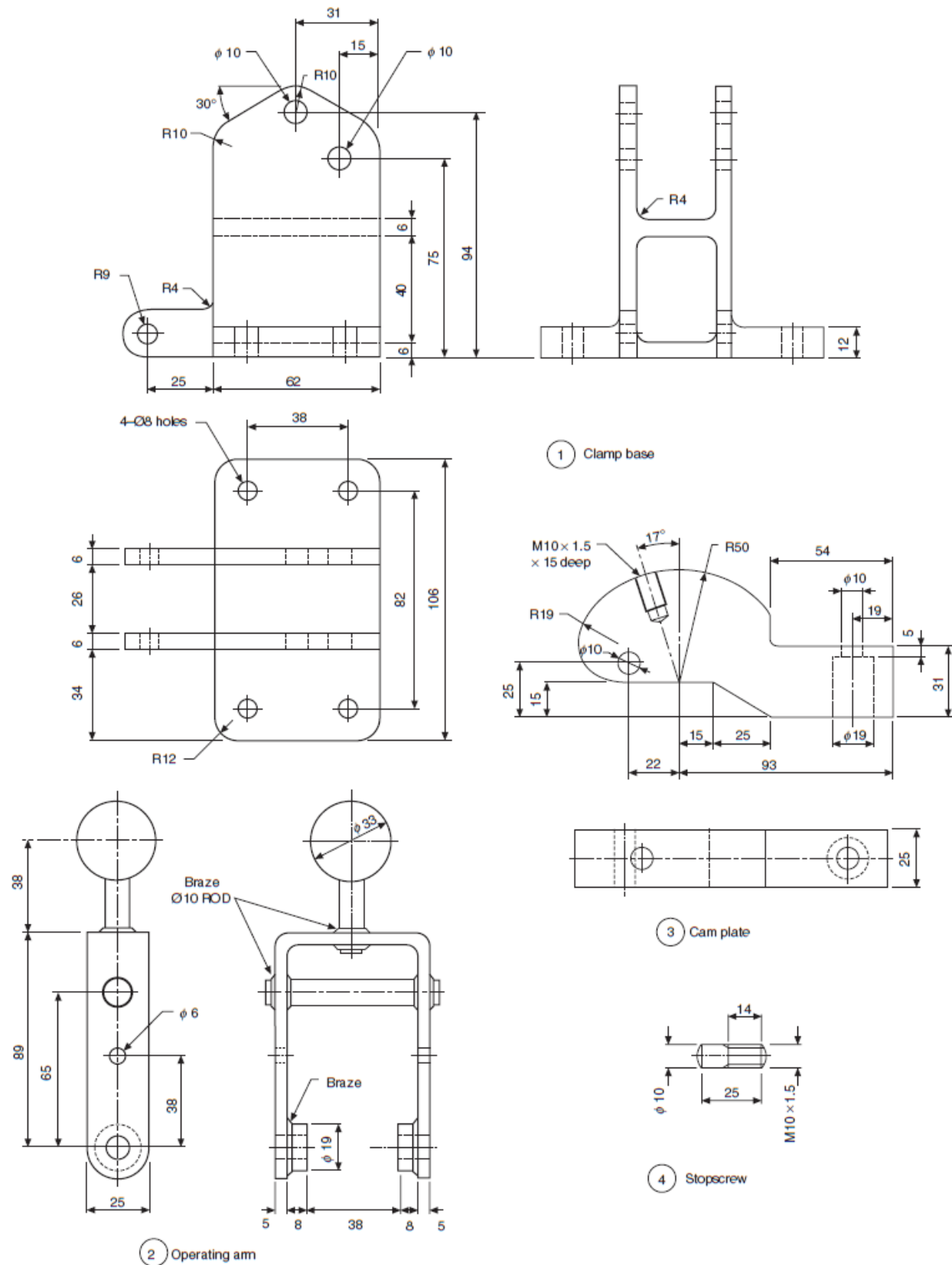
Machine all over tolerances $\pm 0.2$	Issue No.	<div>Third angle projection</div> 	Dimensions in millimetres (mm)		Material SPEC 826M31	Title SHAFT
	Date		Original scale 1:1			
	First used on		Drawn by A.7		Treatment	
	Equivalent part		Approved by D.M			



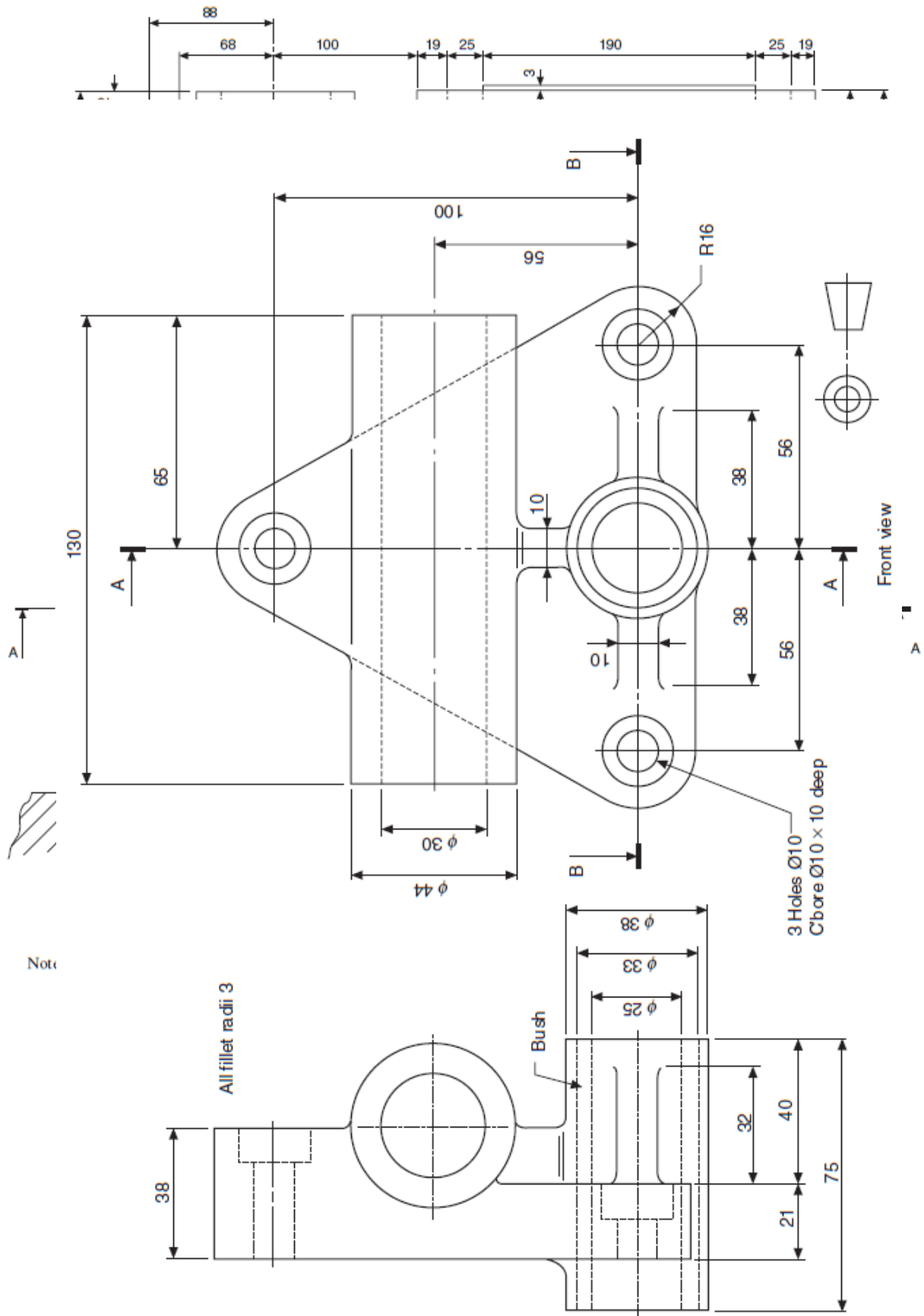
Scrap view in direction  
of arrow B

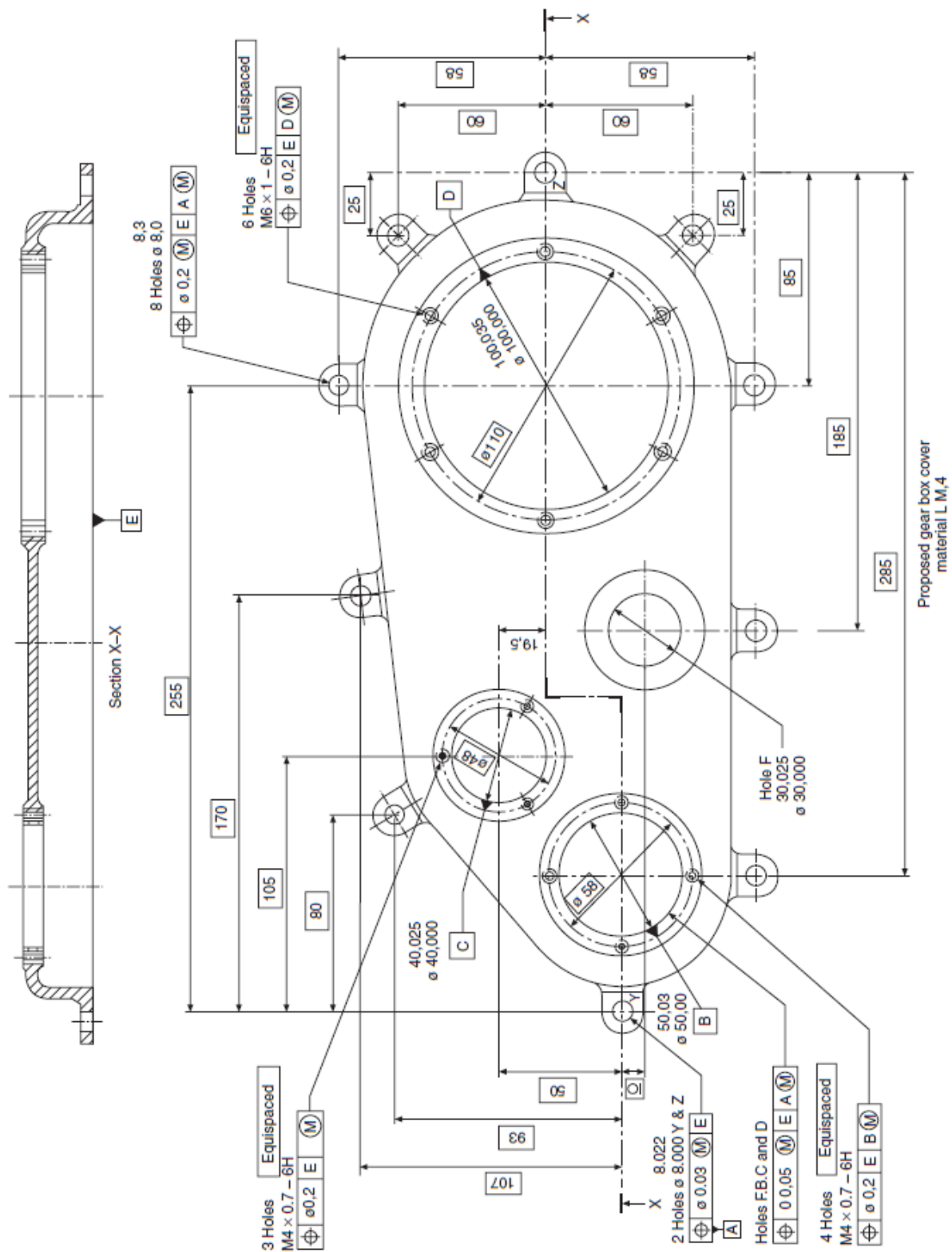
Machine all over Unspecified tolerances $\pm 0.2$ Unspecified radii 3 mm	Projection 	Dimensions in millimetres (mm)		Material SPEC 220M07	Title Hub pulley	Similar to 9880 Scheme Ref S 525
		Original scale	1:1			
		Drawn by	R7			
		Approved by	CNS			
				Treatment	Name of firm	Part No. 9900









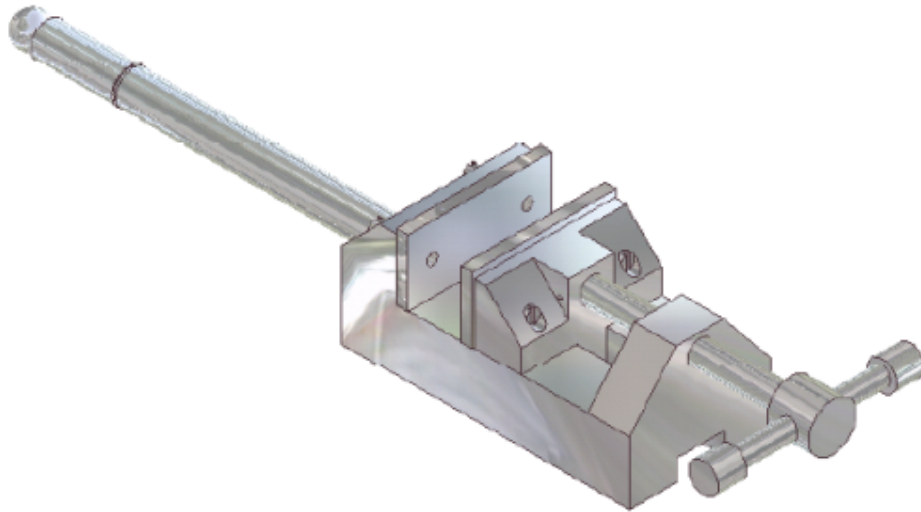




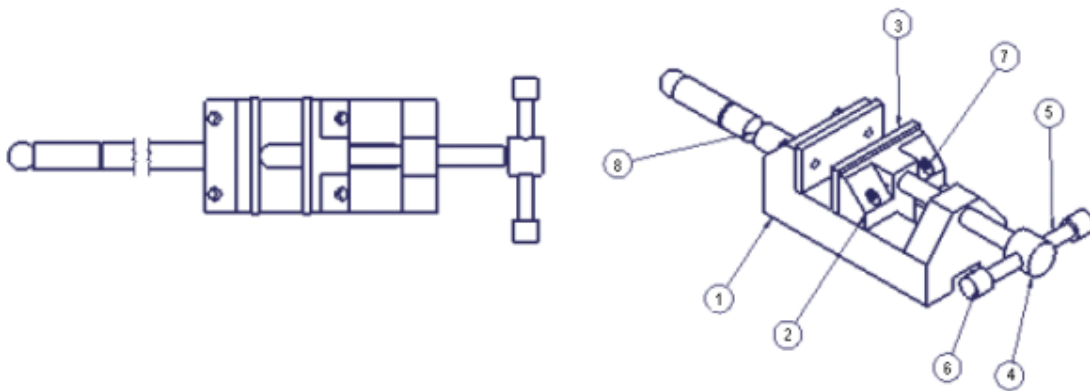
# Assembly





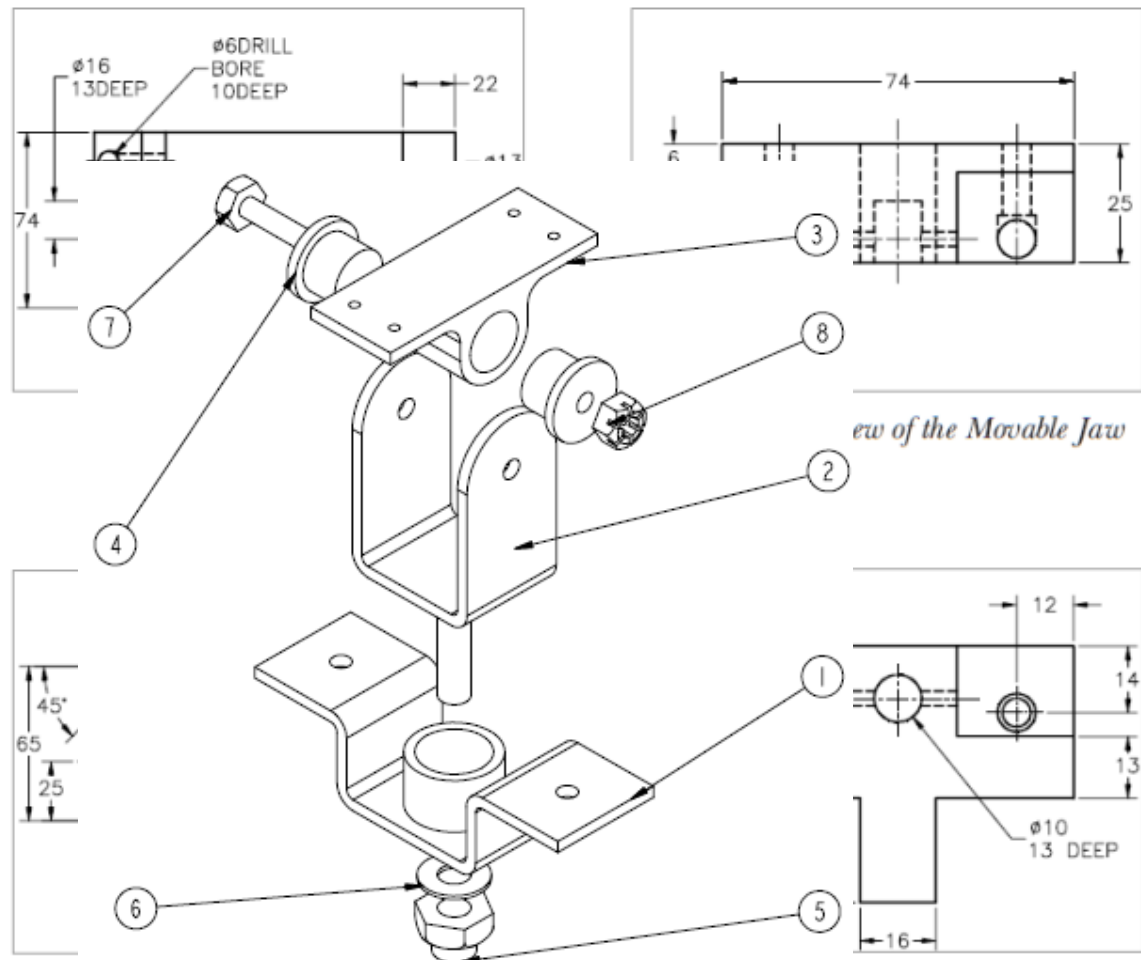
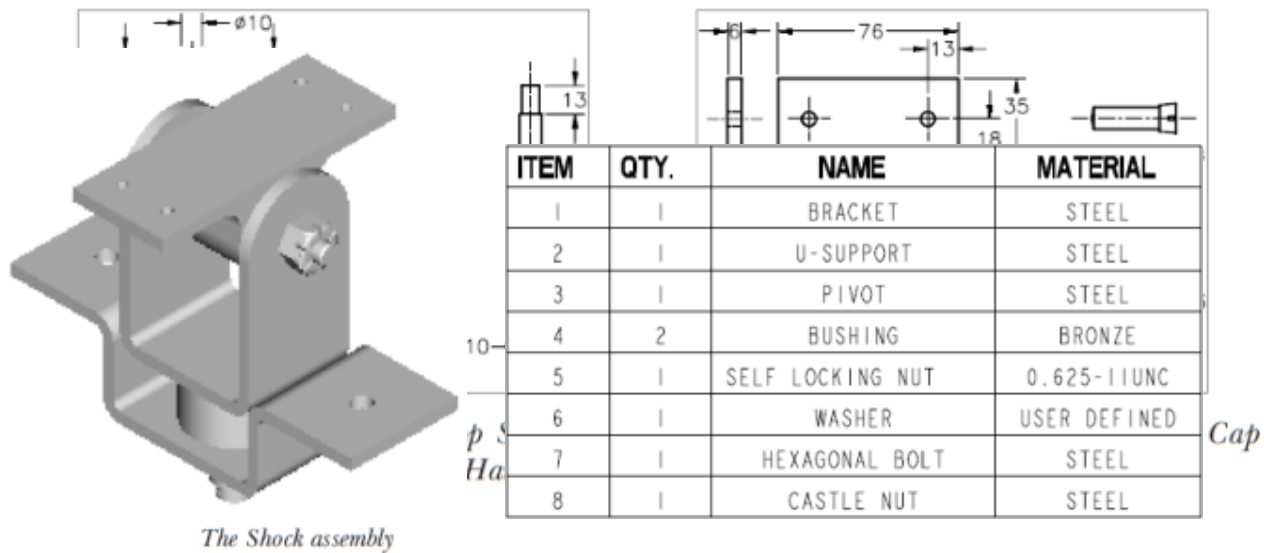


*Drill Press Vice assembly*

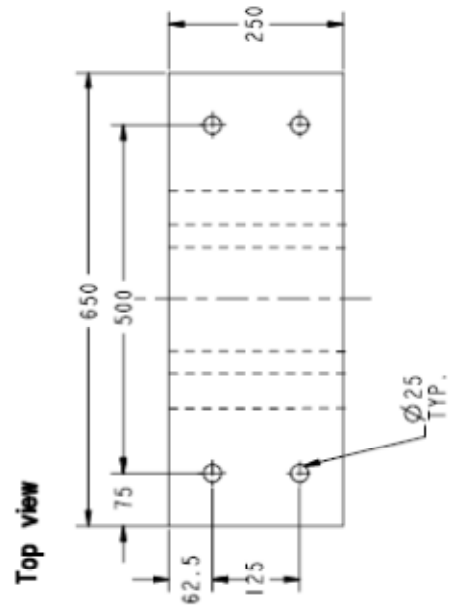


No.	Quantity	Part Name
1	1	Base
2	1	Movable jaw
3	2	Jaw face
4	1	Clamp screw
5	1	Clamp screw Handle
6	2	Handle stop
7	2	Cap screw
8	1	Safety handle

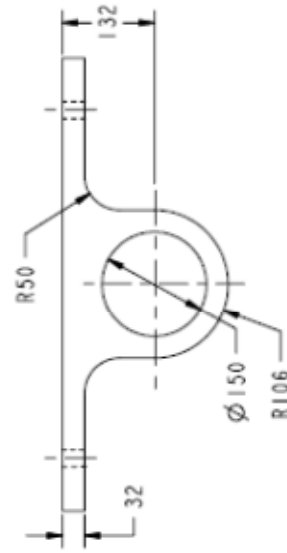




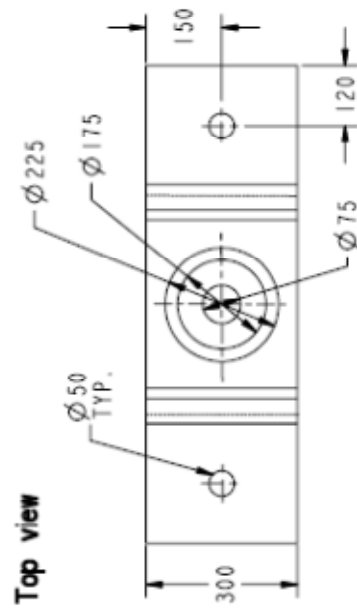
**Pivot**



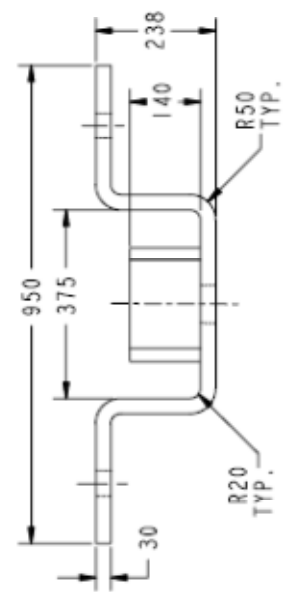
**Front view**



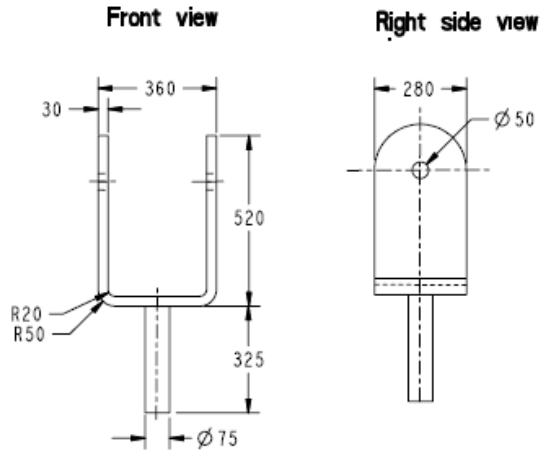
**Bracket**



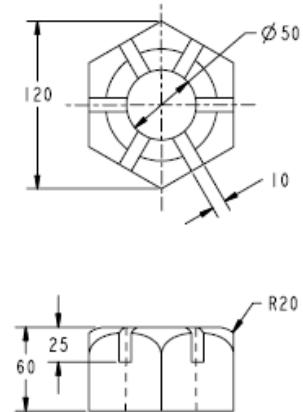
**Front view**



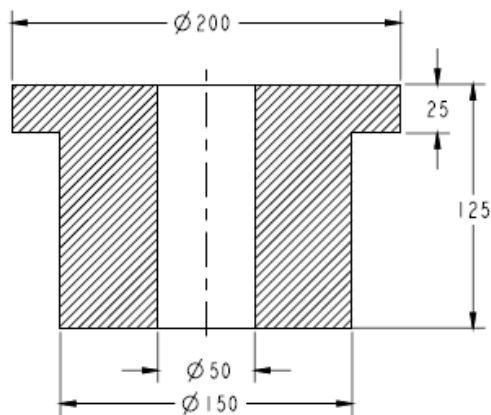
*U-Support*



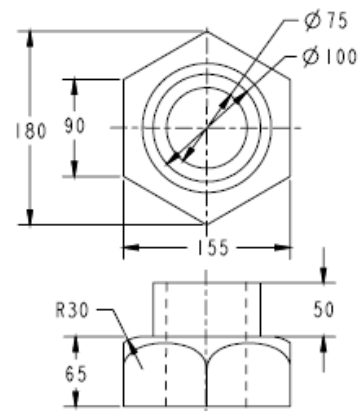
*Castle nut*



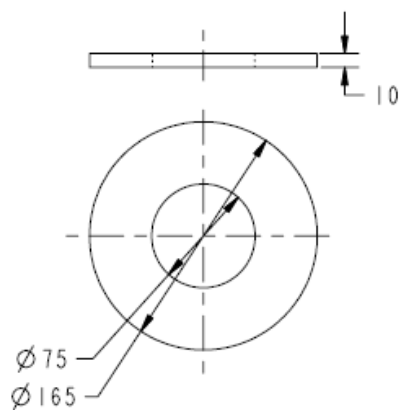
*Bushing*



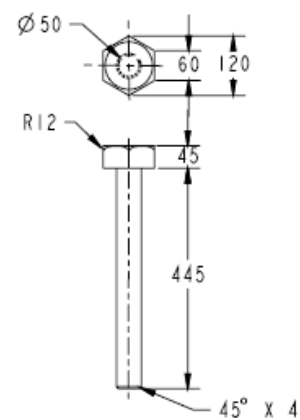
*Self-locking nut*

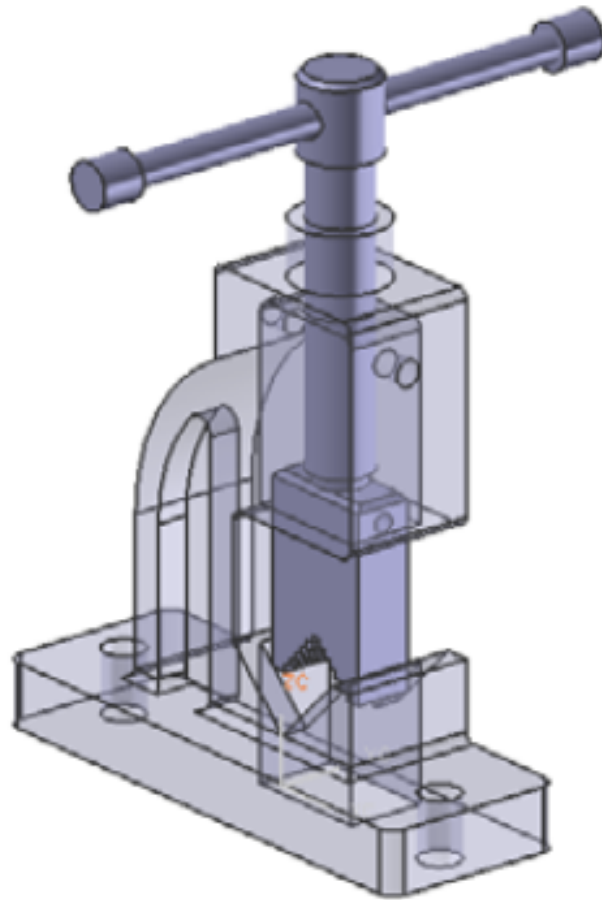


*Washer*



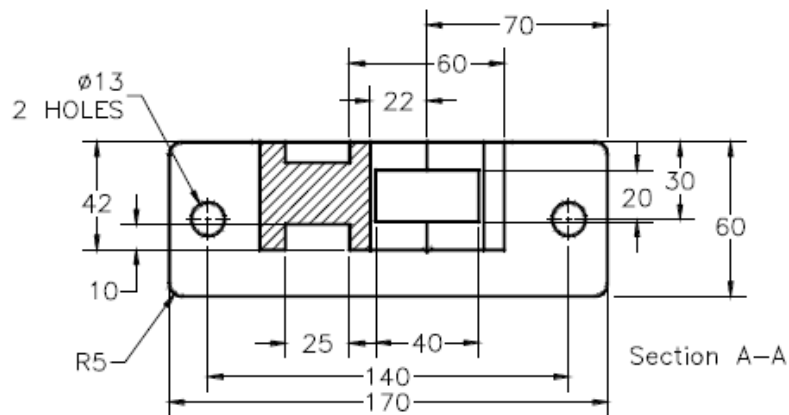
*Hexagonal bolt*





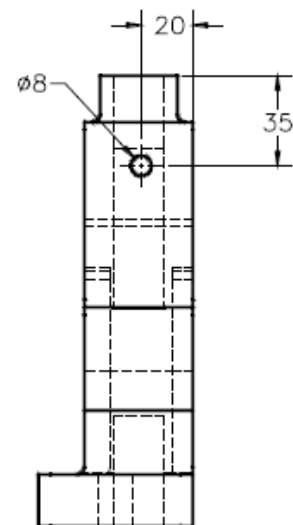
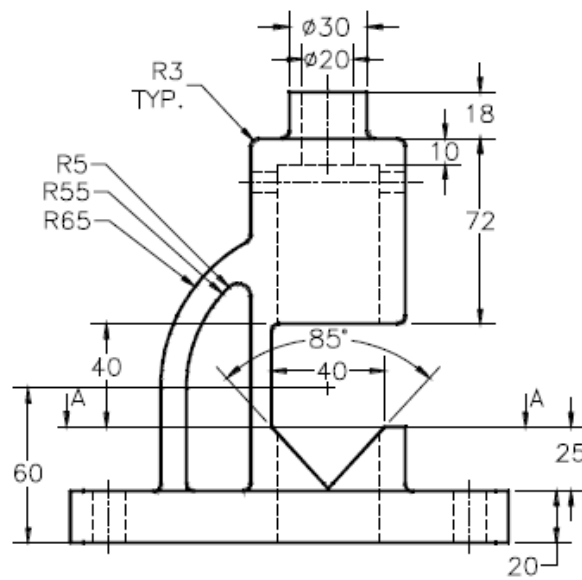
*The Pipe Vice assembly*

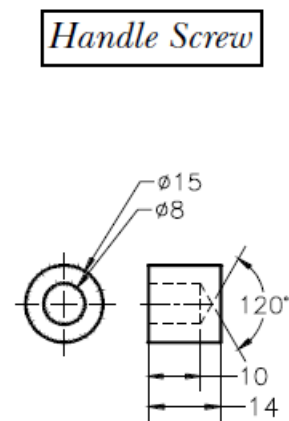
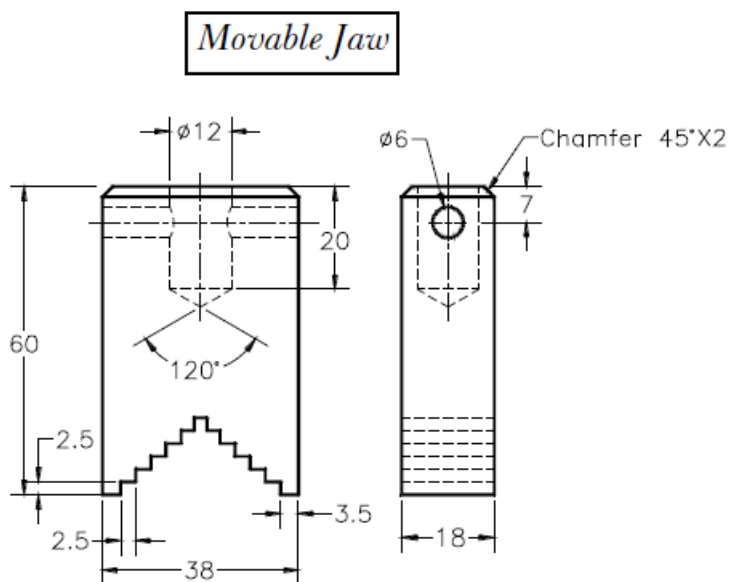
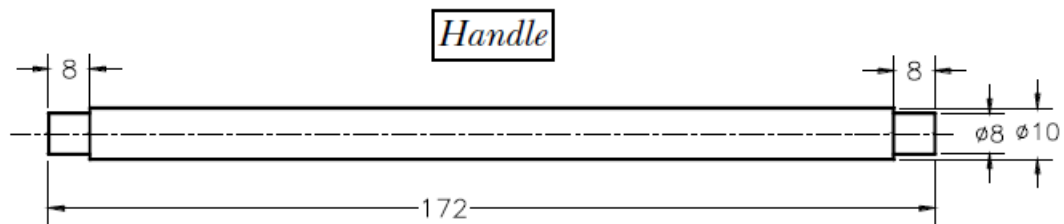
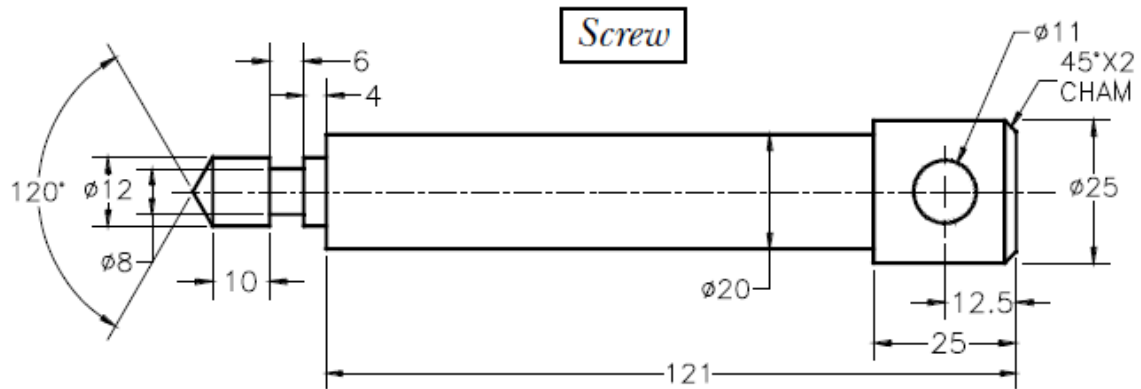
Quantity	Part Name
1	Base
1	Screw
1	Handle
1	Movable jaw
2	Handle screw

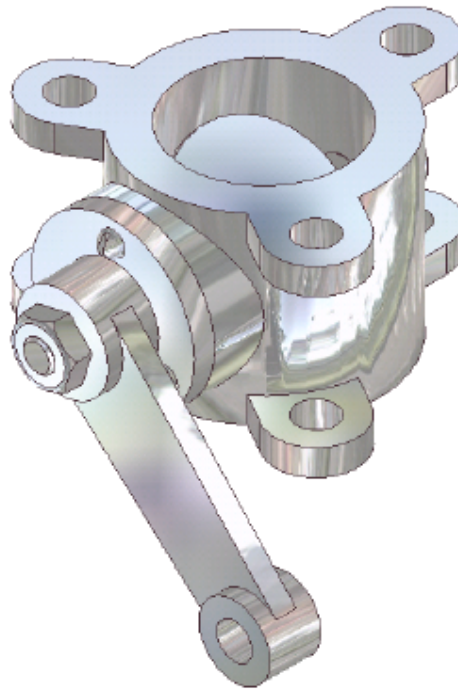


*Base*

Fillet radius= 3mm,  
 unless specified

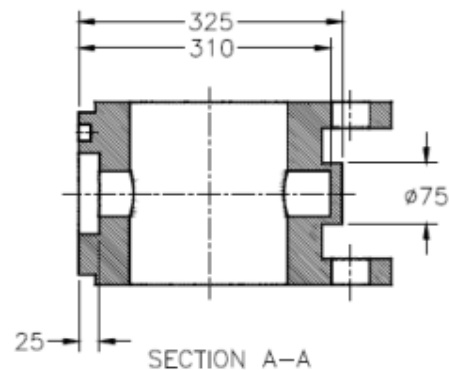
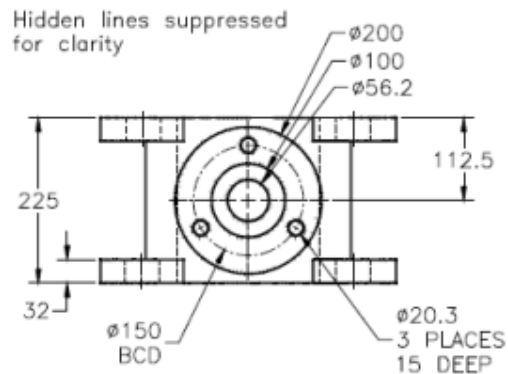
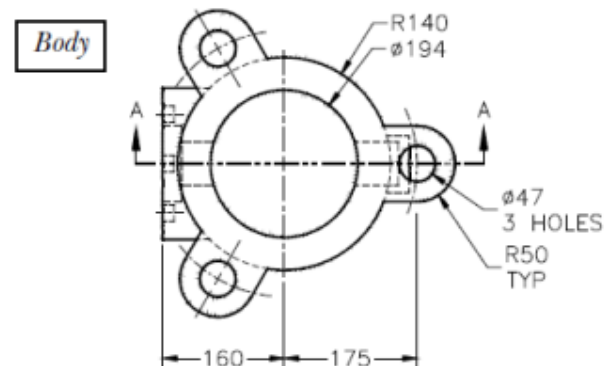




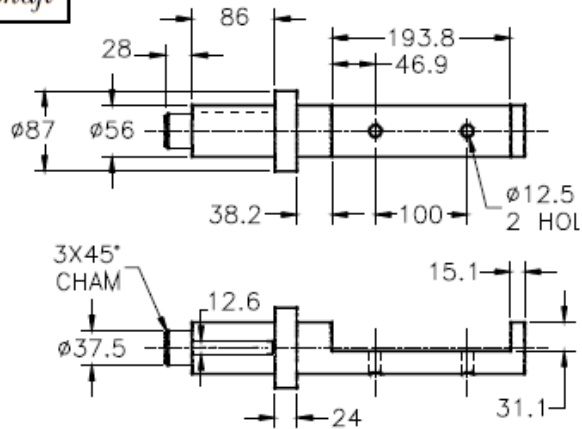


*The Butterfly Valve assembly*

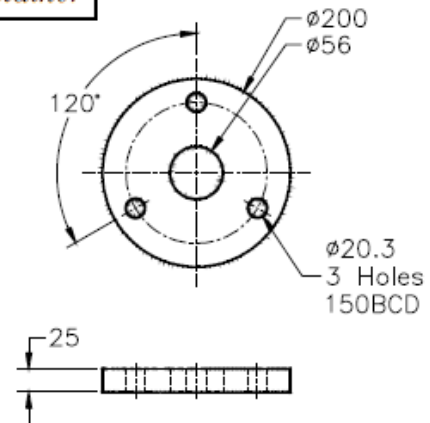
Quantity	Part Name
1	Body
1	Shaft
1	Retainer
1	Handle
1	Valve Plate
3	Screw
1	Nut



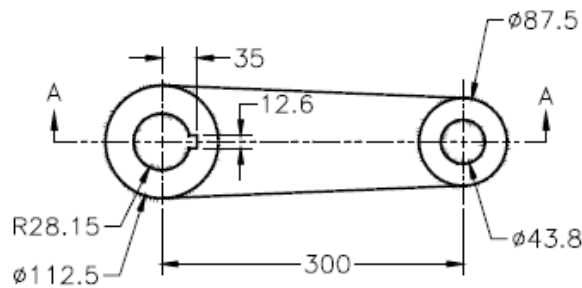
*Shaft*



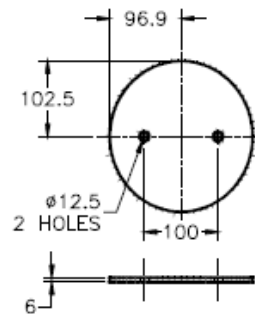
*Retainer*



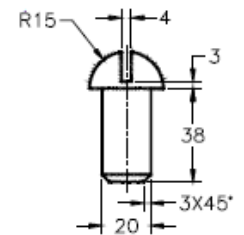
*Handle*



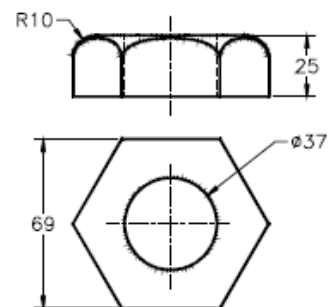
*Plate*



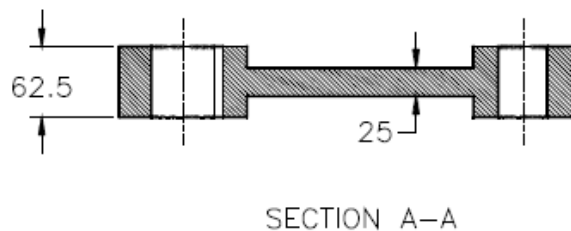
*Screw*



*Nut*



*Sectional front view*

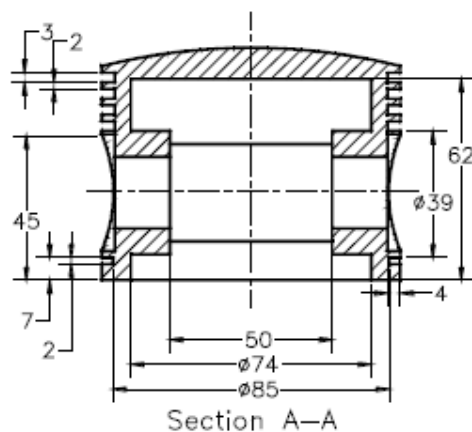
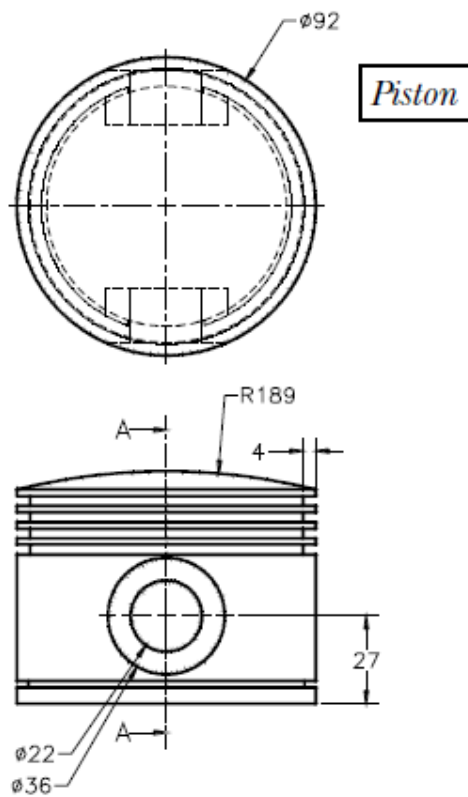


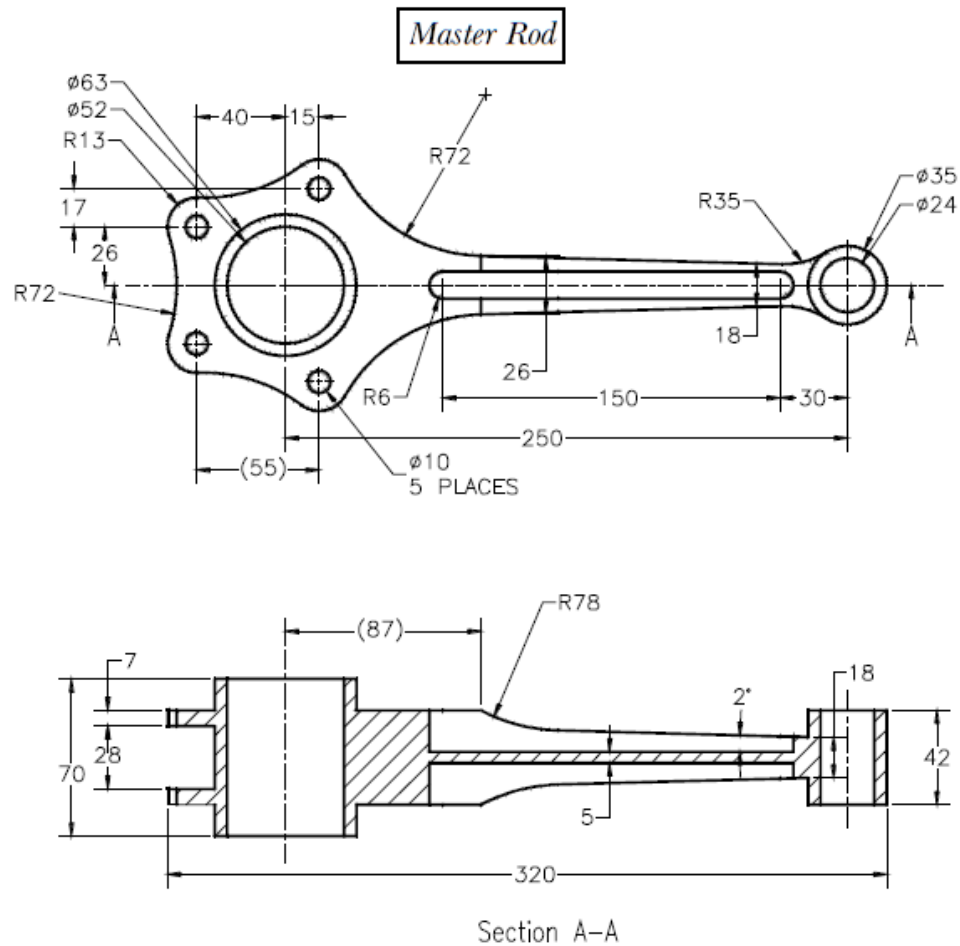
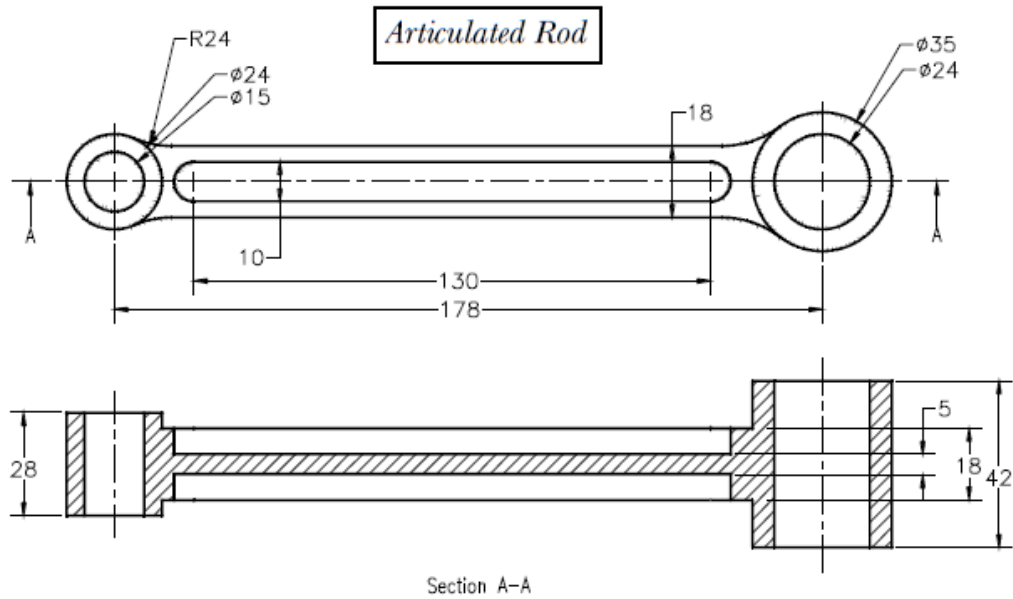




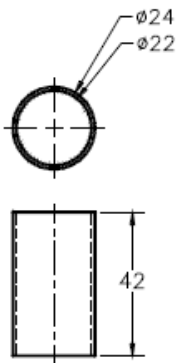
*The exploded view of the Radial Engine assembly*

Quantity	Part Name
5	Piston
4	Articulated Rod
1	Master Rod
1	Master Rod Bearing
4	Link Pin
20	Piston Ring
5	Piston Pin
4	Rod Bush Lower
5	Rod Bush Upper

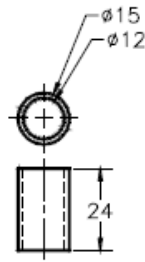




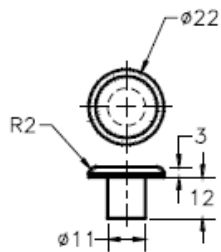
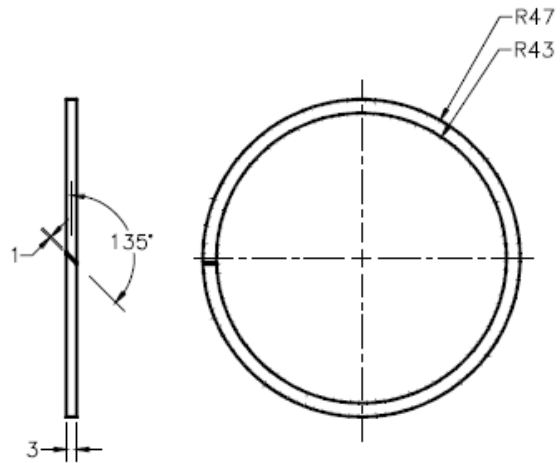
*Rod Bush Upper*



*Rod Bush Lower*

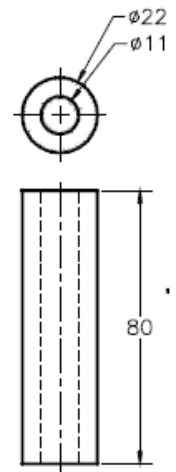


*Piston Rings*

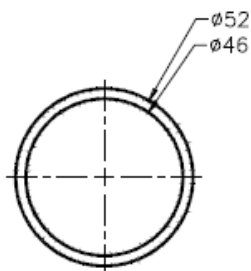


*Piston Pin Plug*

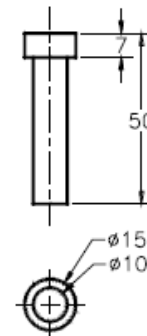
*Piston Pin*

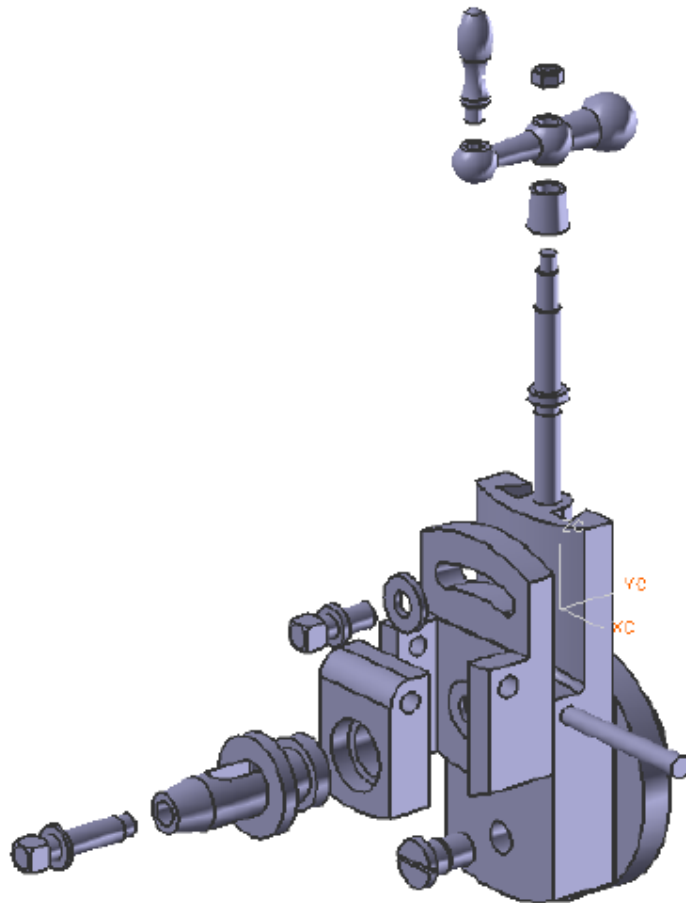


*Master Rod Bearing*



*Link Pin*

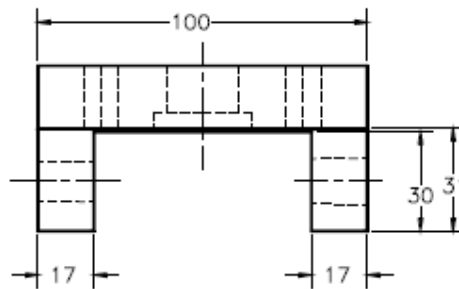




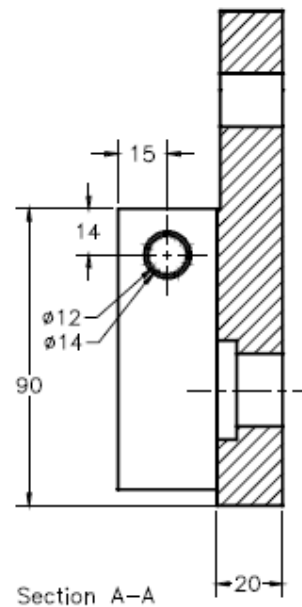
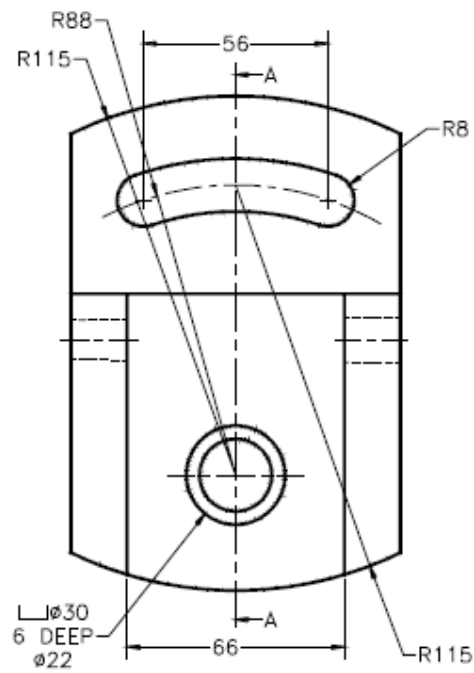
*The exploded view of the Shaper Tool Head assembly*

Quantity	Part Name
1	Swivel Plate
1	Back Plate
1	Vertical Slide
1	Screw Bar
1	Clamping Screw
1	Tool Fixing Screw
1	Spacer Bush
1	Handle
1	Pivot Pin
1	Nut M-10
1	Handle Bar
1	Tool Holder
1	Drag Plate
1	Swivel Screw Pin

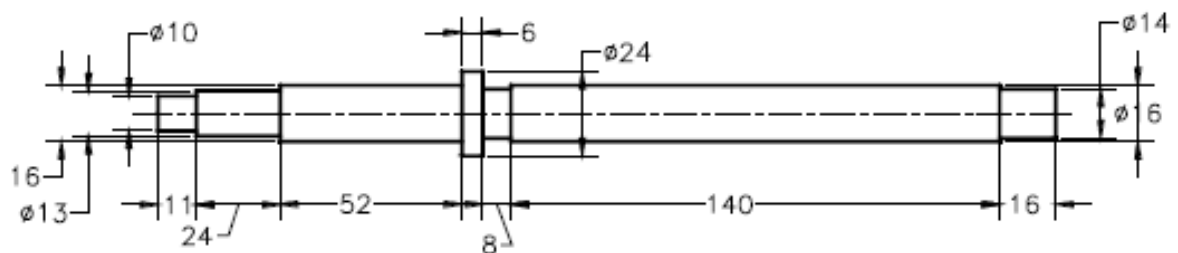
1	Washer
1	Small Washer

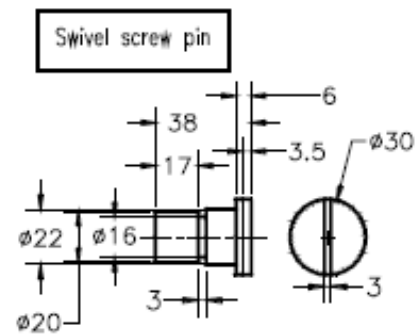
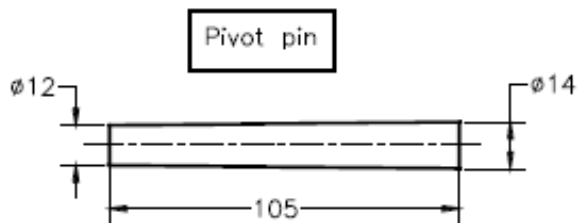
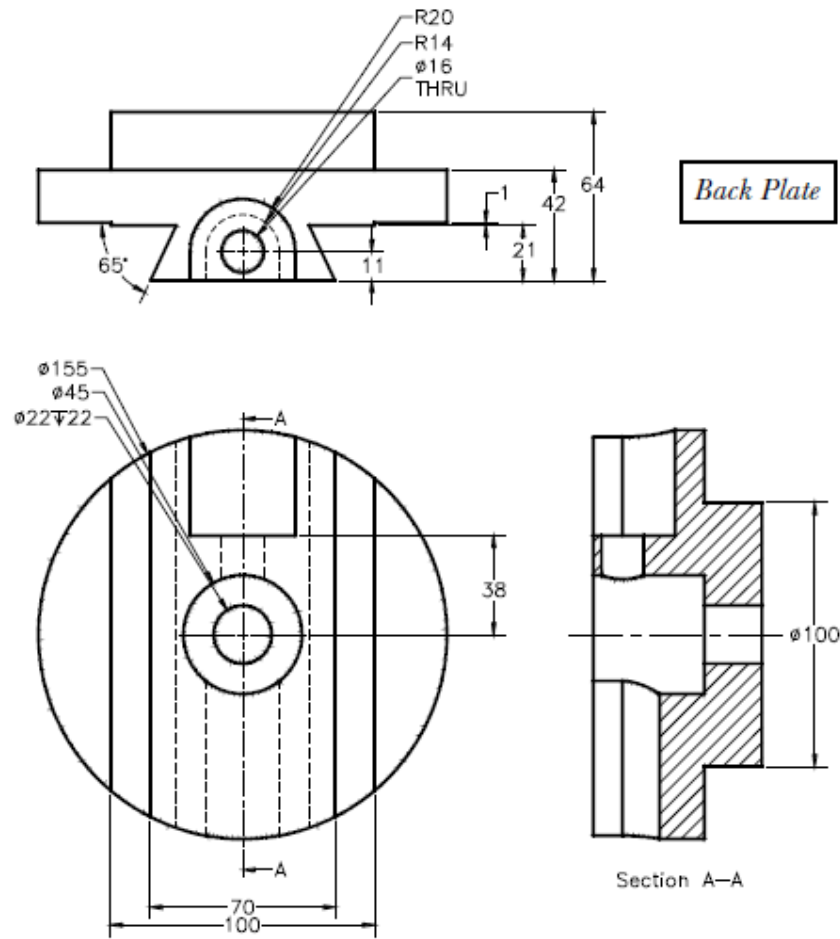


*Swivel Plate*

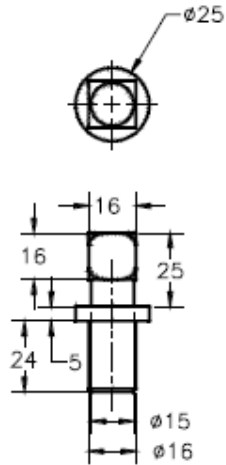


**Screw bar**

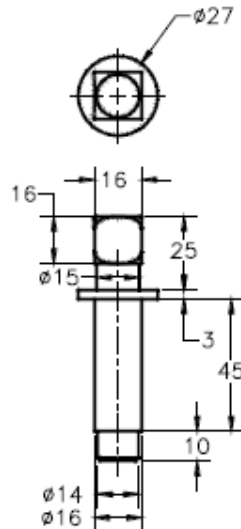




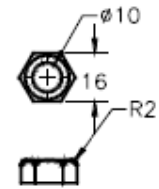
Clamping screw



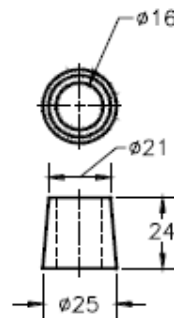
Tool fixing screw



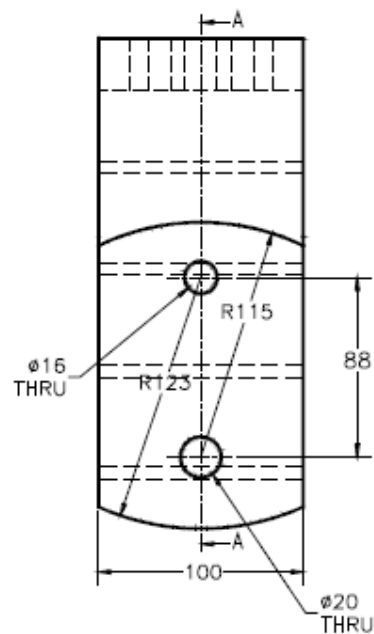
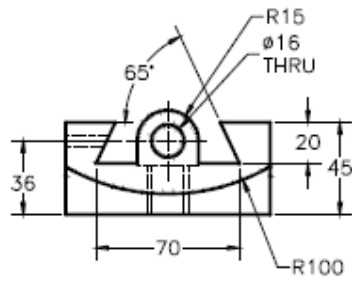
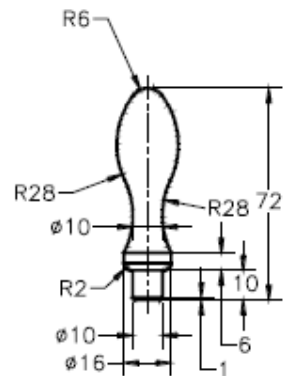
Nut M10



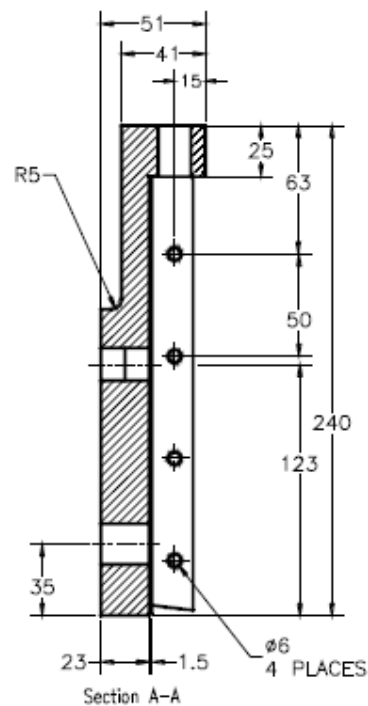
Spacer bush

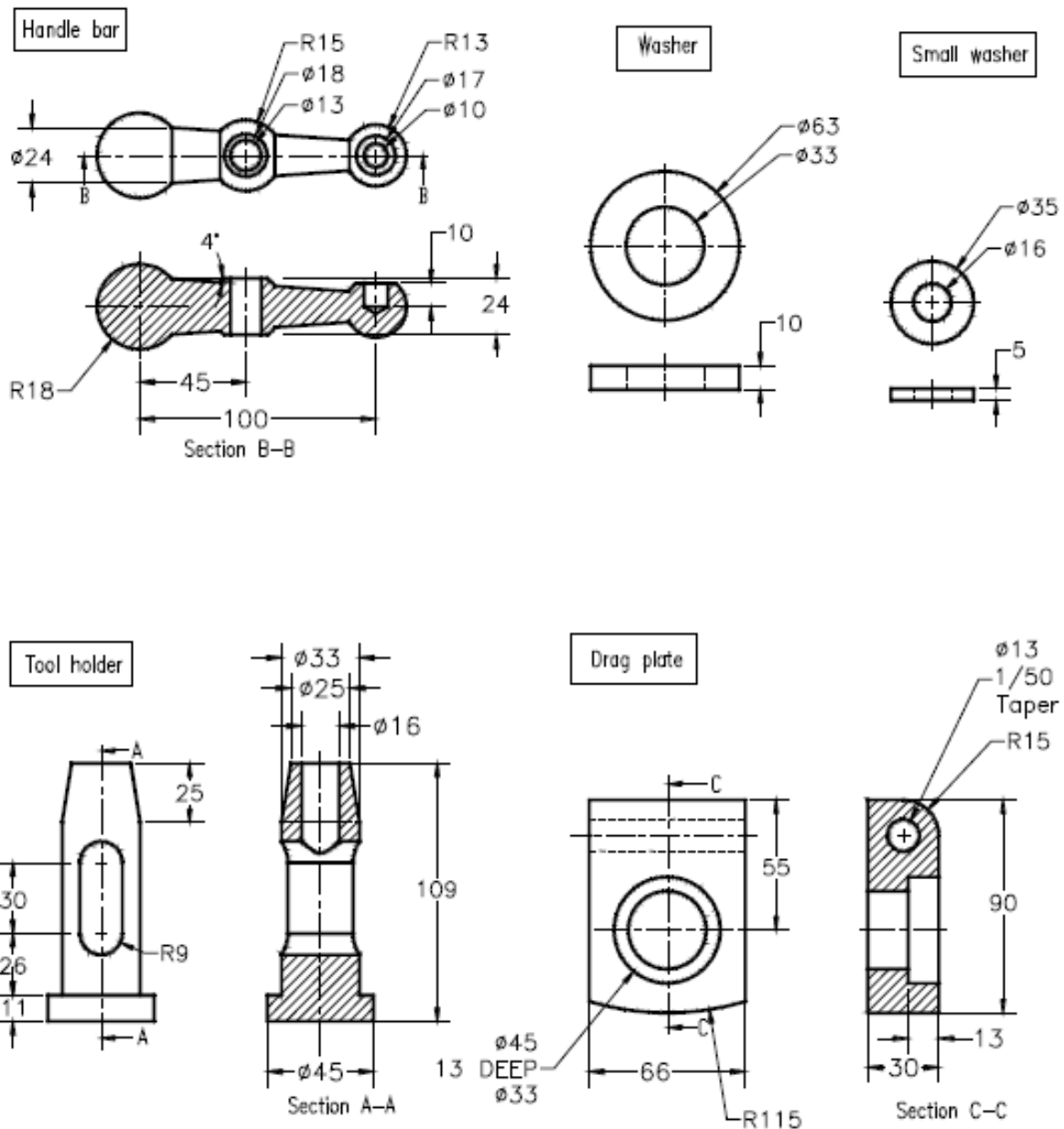


Handle

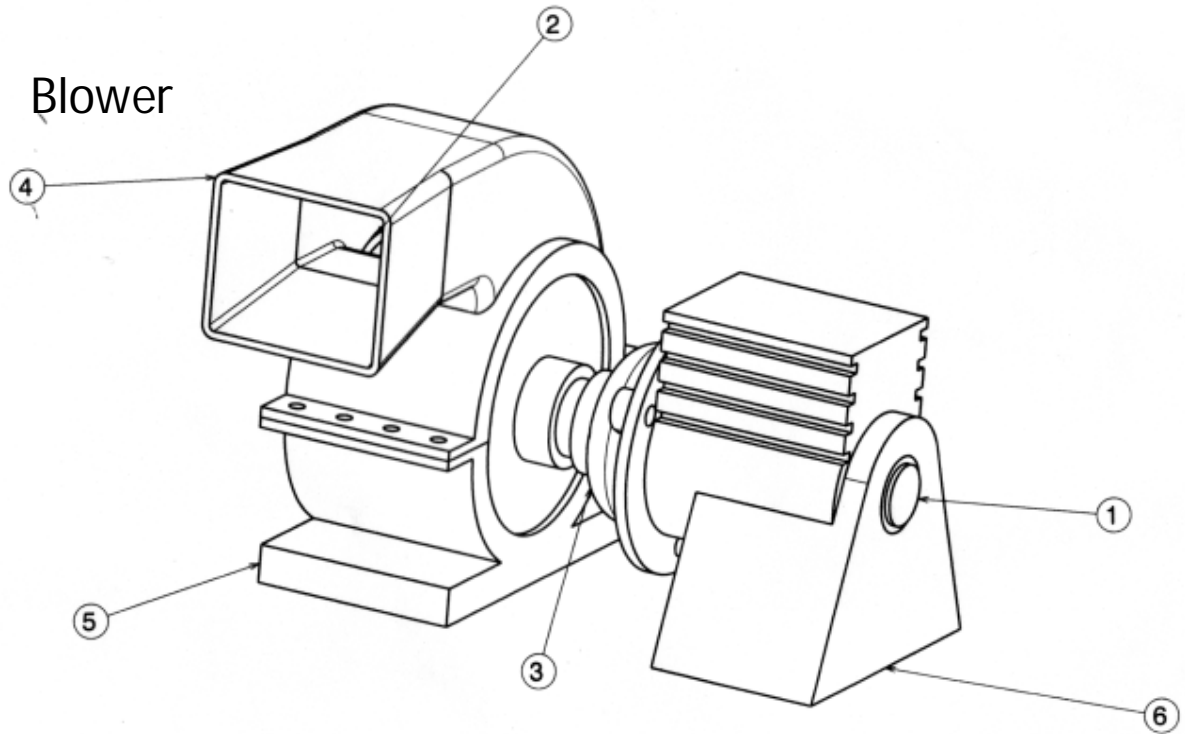


Vertical Slide





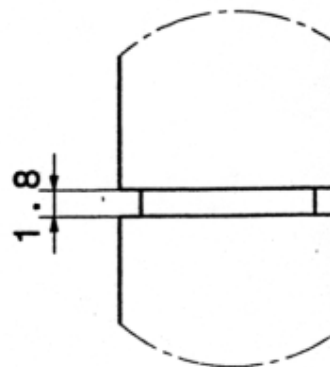
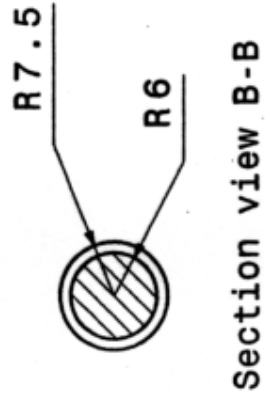
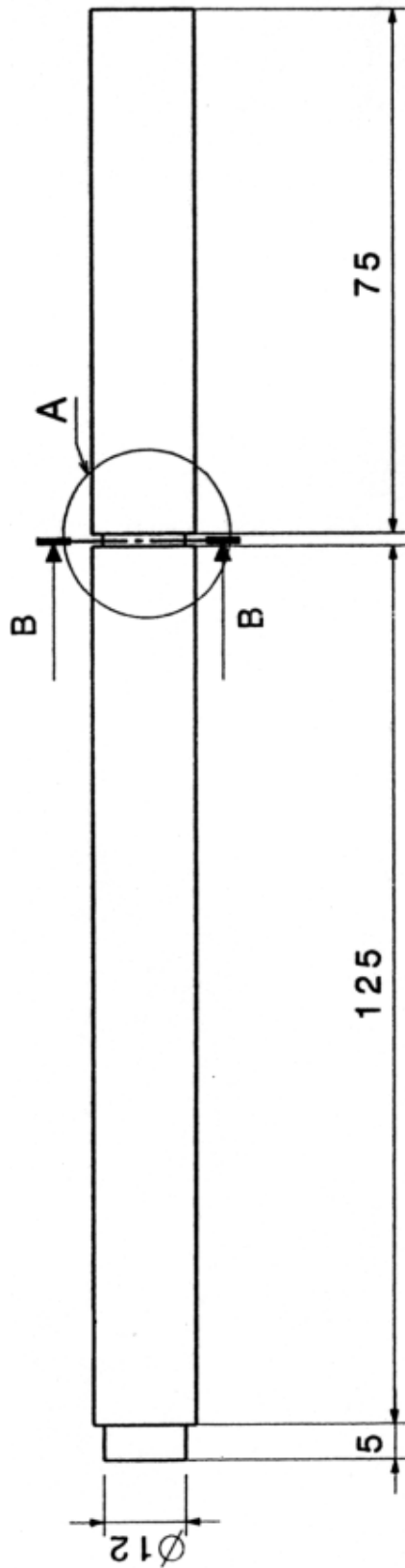




### Assembly

Quantity	Part Name
1	Blower Lower Housing
1	Blower Upper Housing
1	Blower
1	Motor
1	Motor Cover
1	Shaft



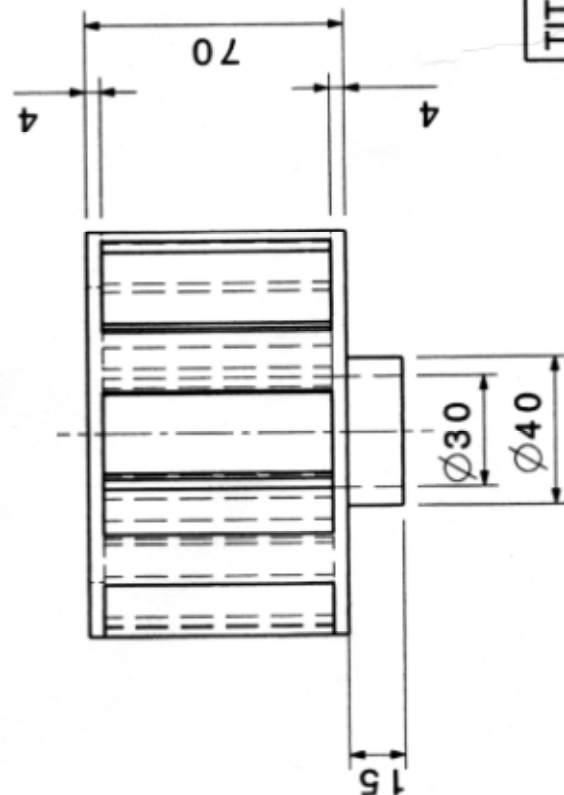
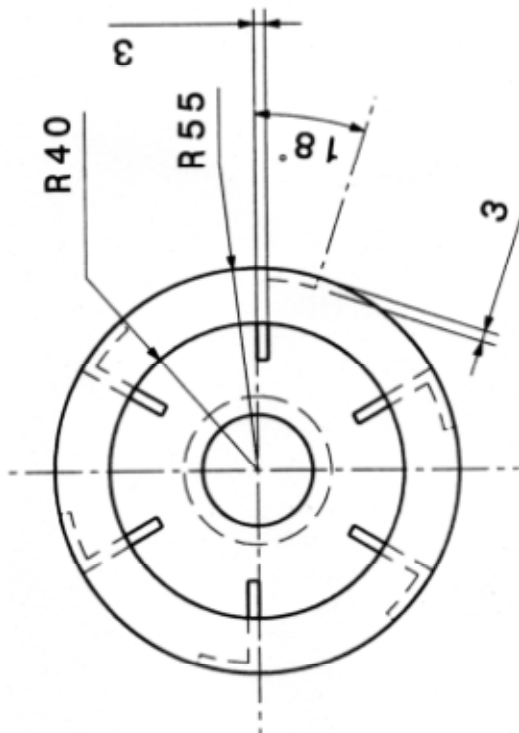


Detail A  
 Scale: 2:1

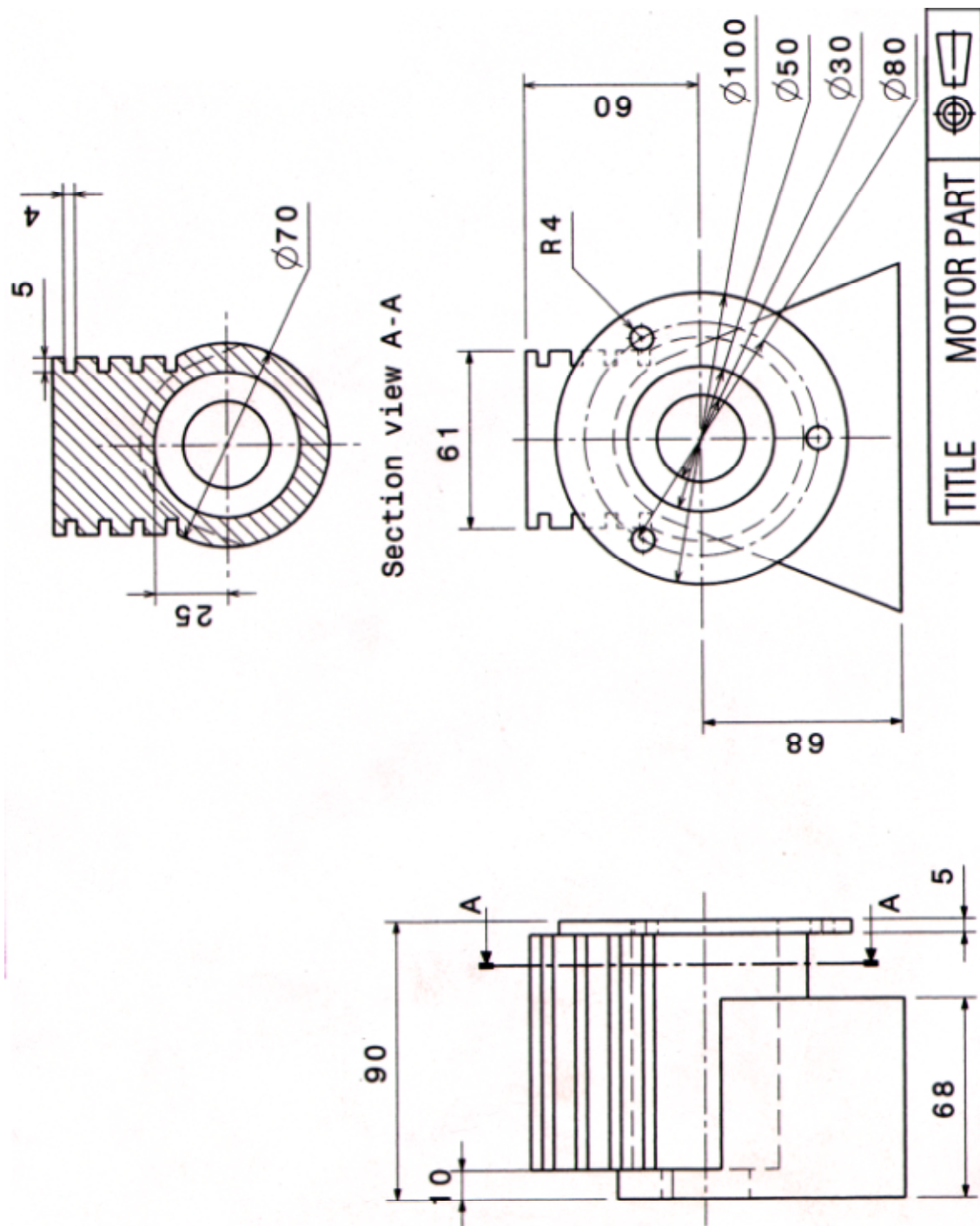
TITLE	SHAFT	REPLACED BY	FOR
			

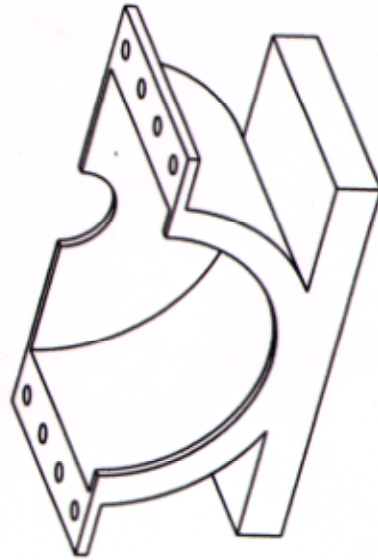
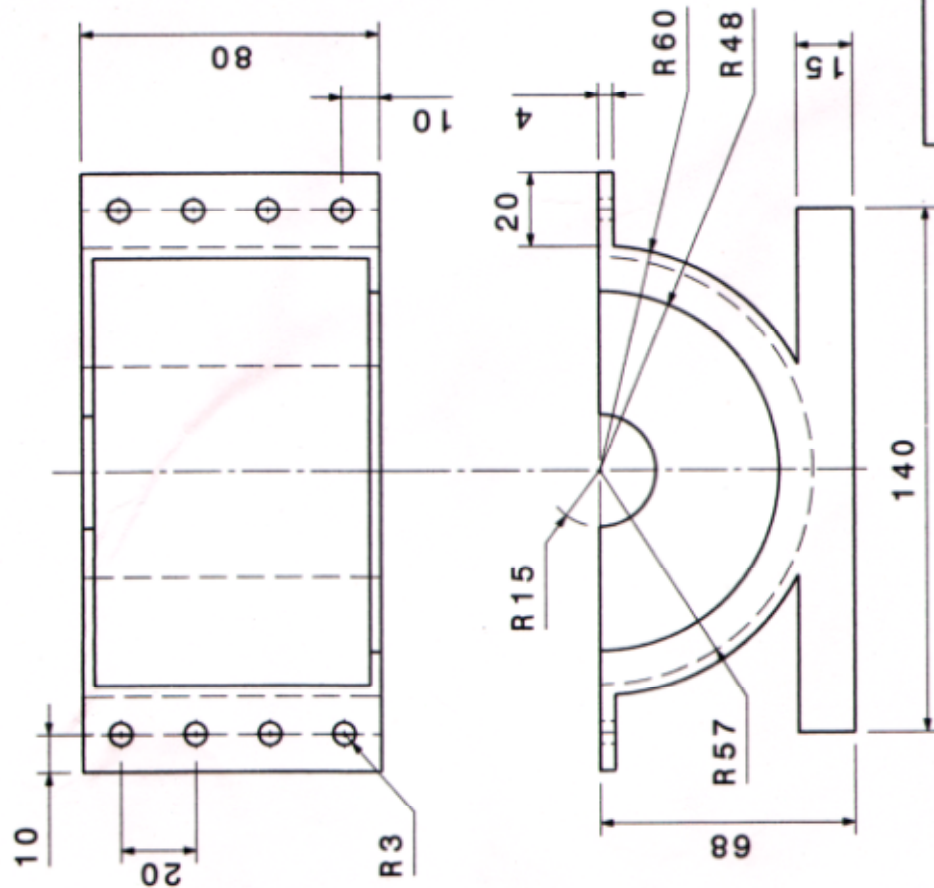


ISOMETRIC VIEW  
FOR REFERENCE ONLY



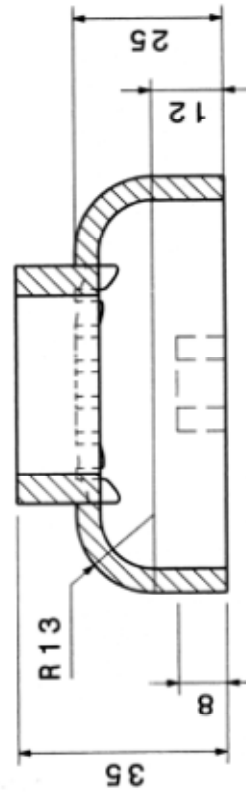
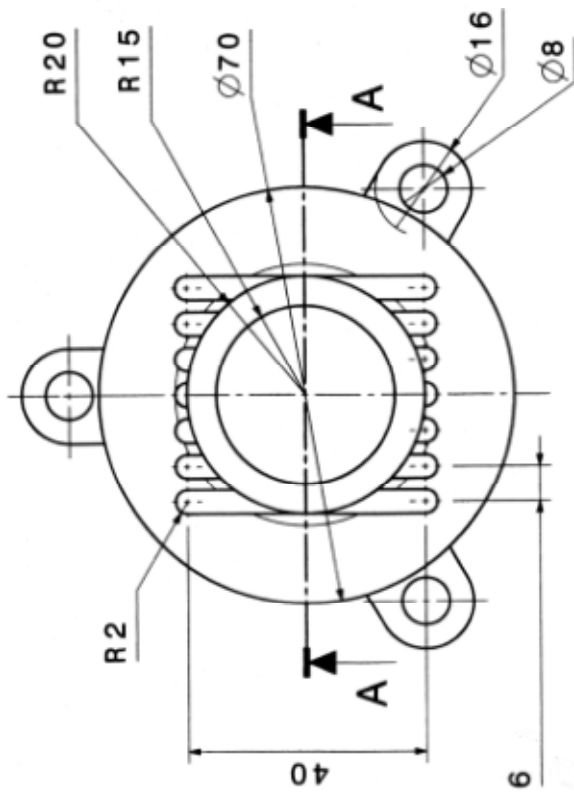
TITLE	BLOWER	REPLACED BY FOR
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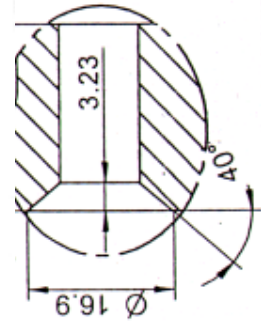


ISOMETRIC VIEW  
FOR REFERENCE ONLY

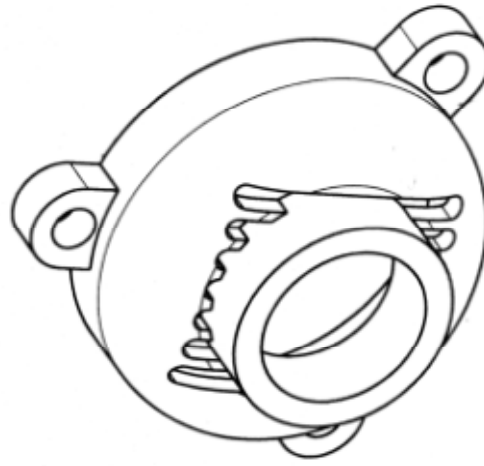
TITLE LOWER HOUSING		REPLACED BY FOR
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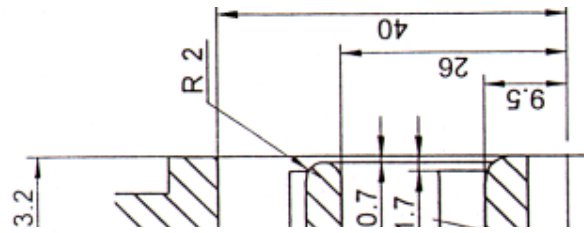
Section view A-A



DETAIL C  
1.5:1



ISOMETRIC VIEW  
FOR REFERENCE ONLY



VIEW B

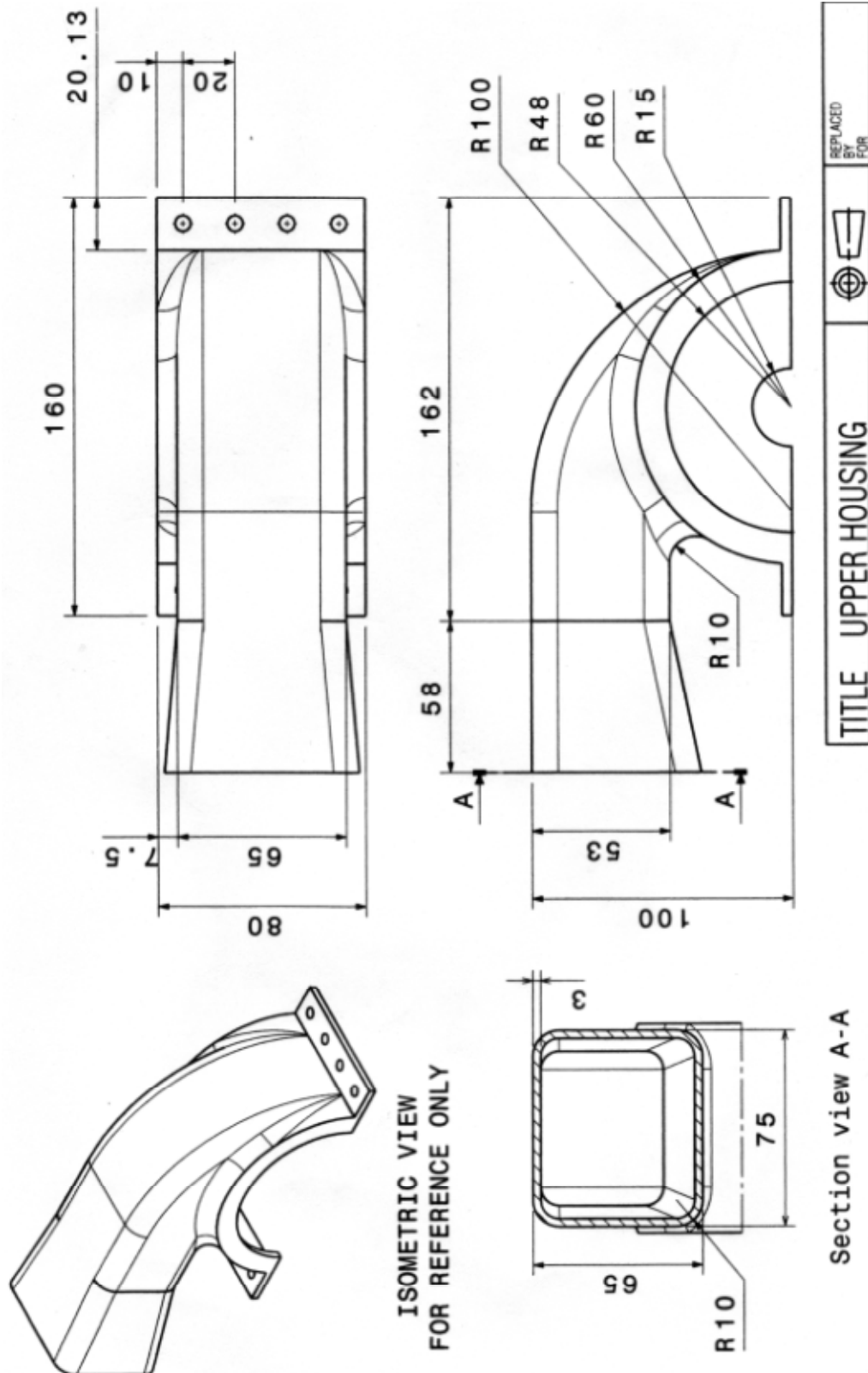
TITLE	MOTOR COVER	SECTION	REPLACED BY	FOR	SCALE
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FOR ALL UNSPECIFIED FILLETS, R = 3mm  
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS.  
IF IN DOUBT ASK THE CONCERNED FACULTY

NAME	DATE	TITLE	REV	SHEET NO.
MUDASSIR	01/09/05	PACKING COVER	1	1 OF 1
SANDEEP	05/10/05	DWG NO : IPWFLT11L02		
SCALE:- 10 : 9		MATERIAL : M.S		

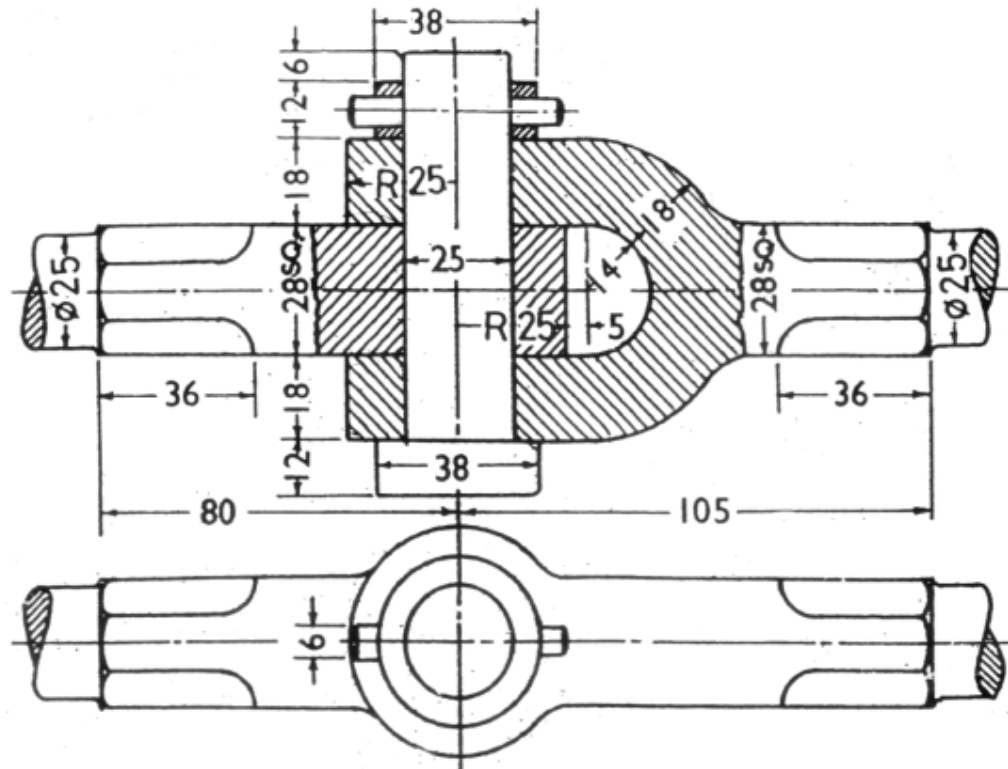




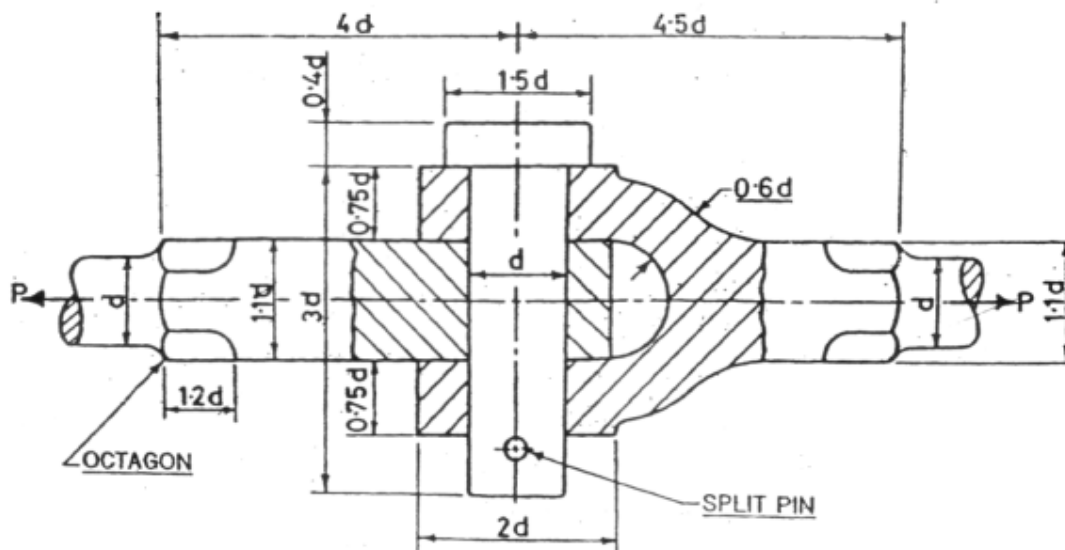








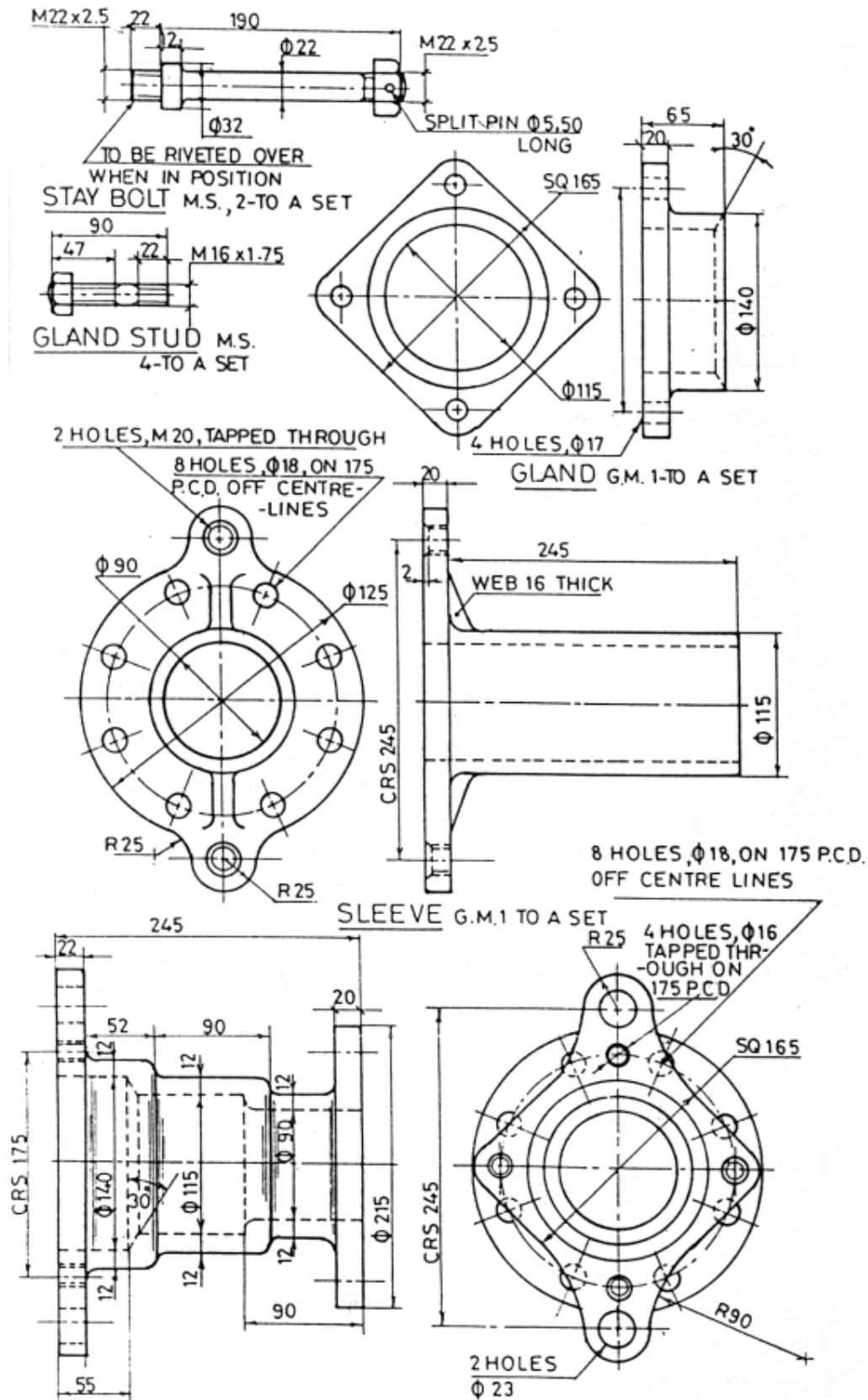
### Pin-joint or Knuckle joint

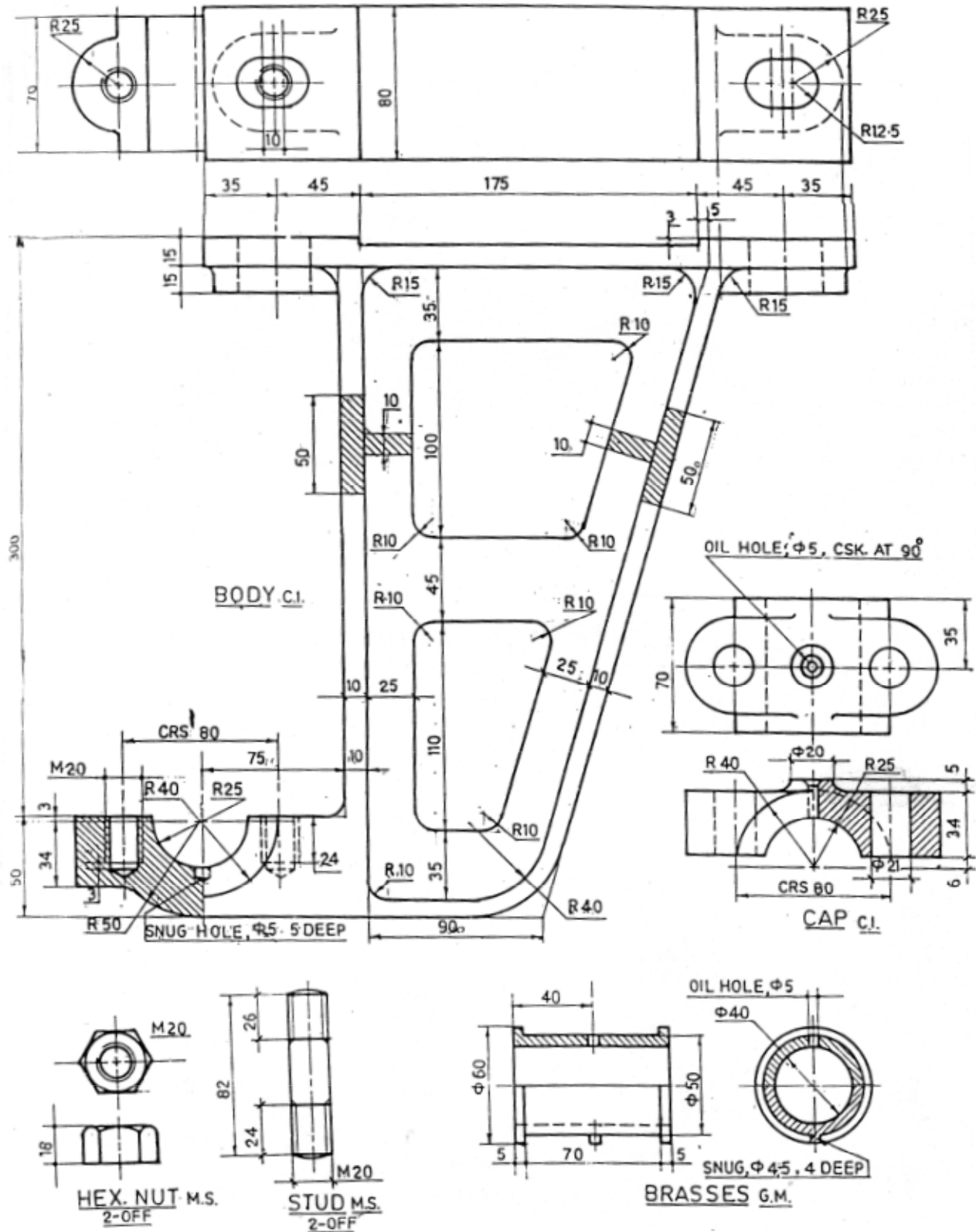


### Pin-joint or Knuckle joint





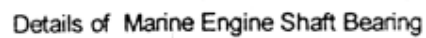




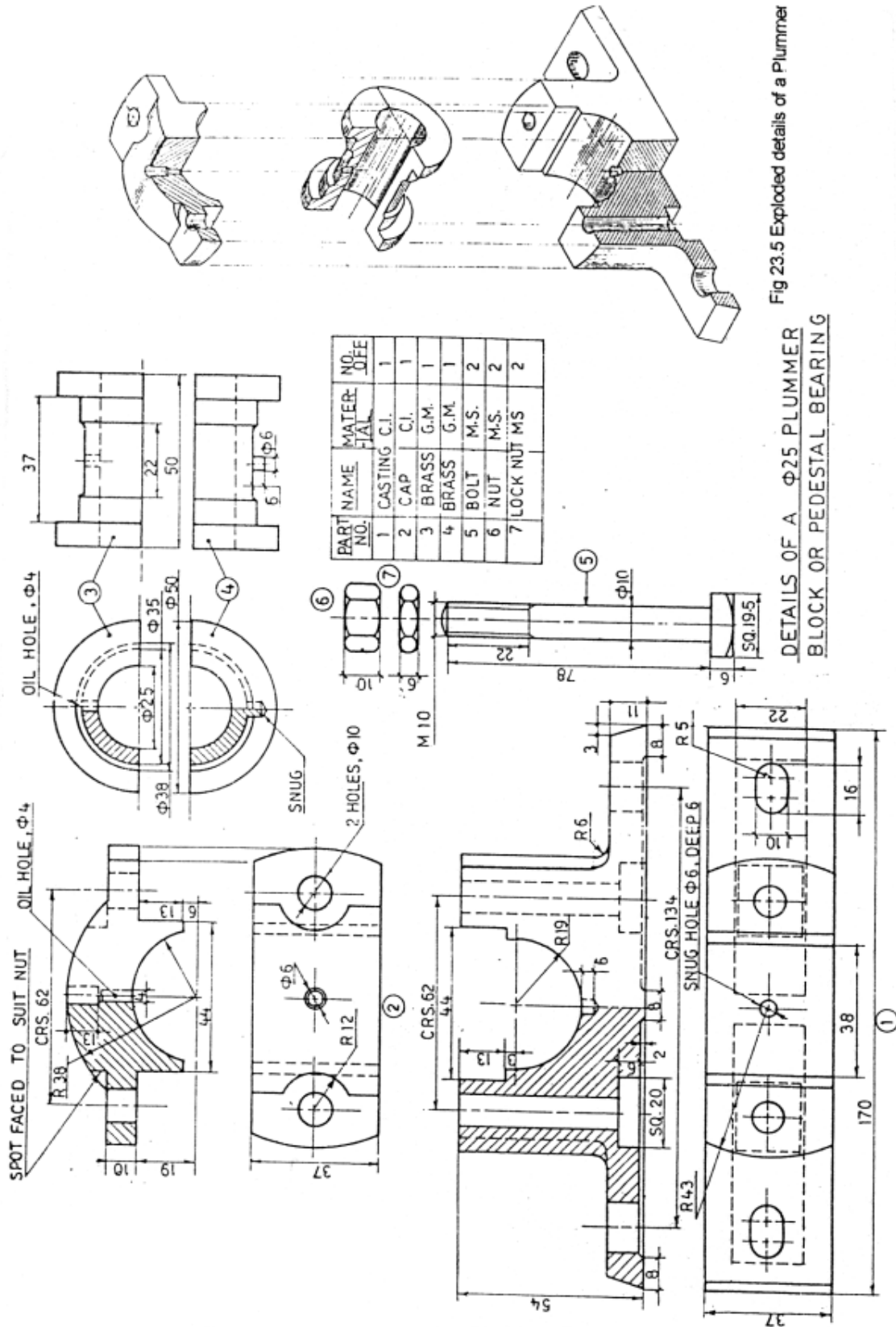




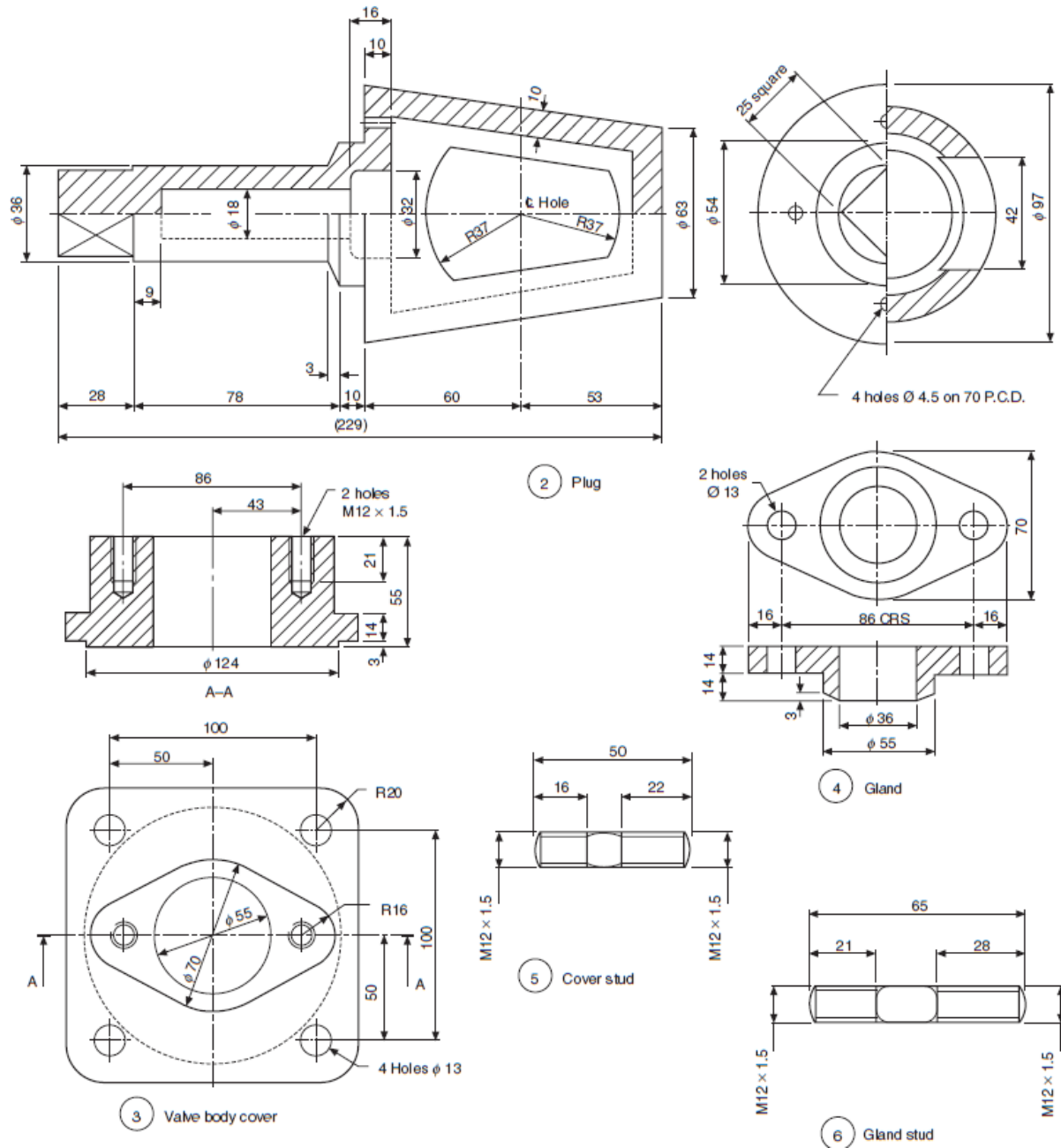


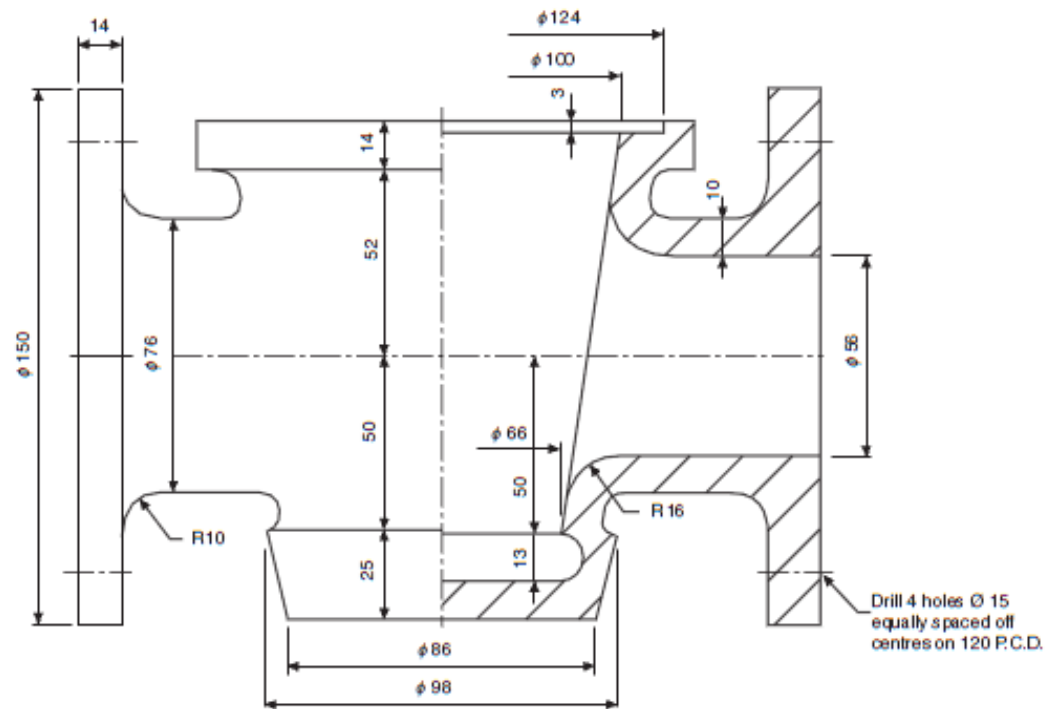












1 Valve body

