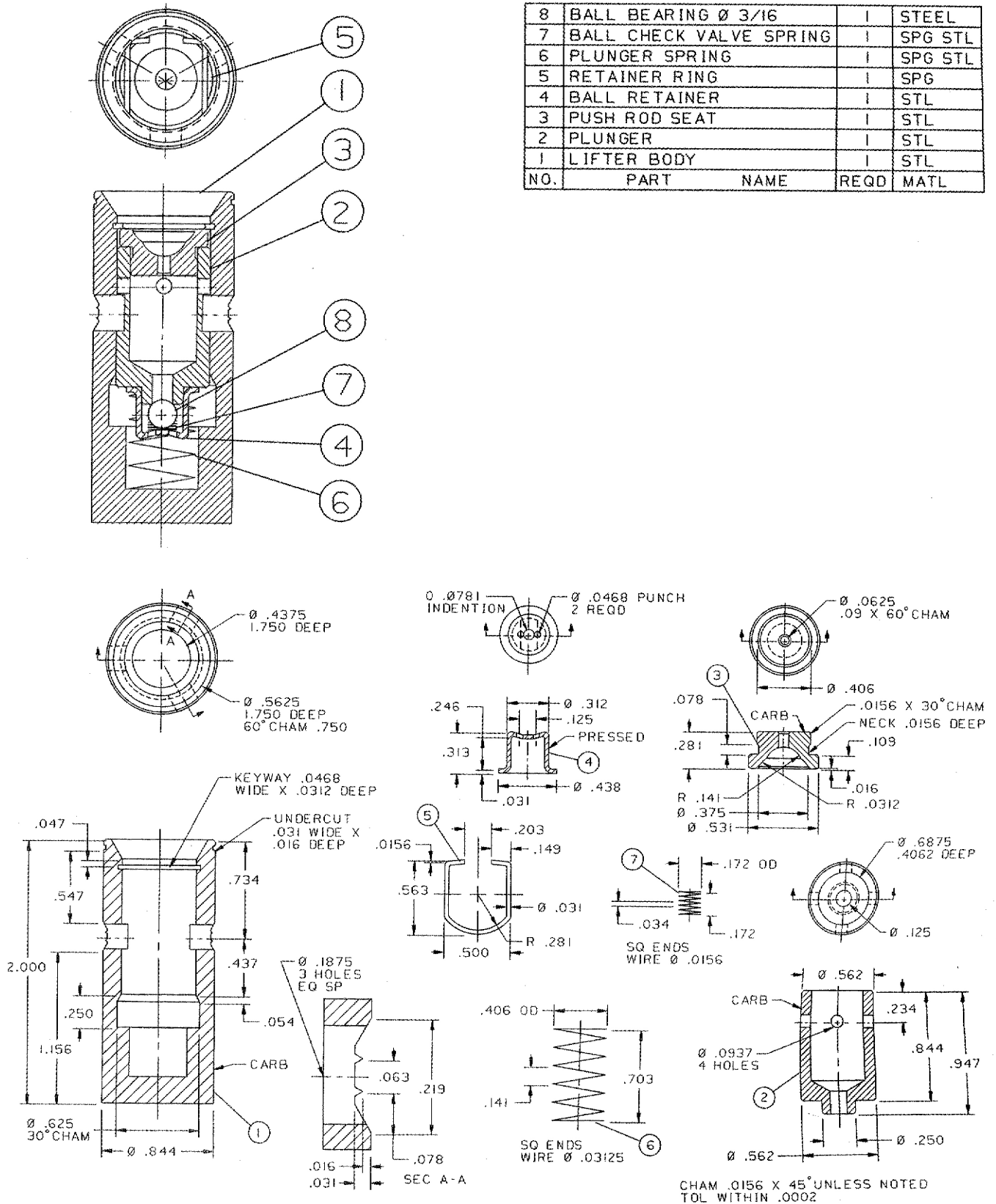


Assembly Drawing Projects

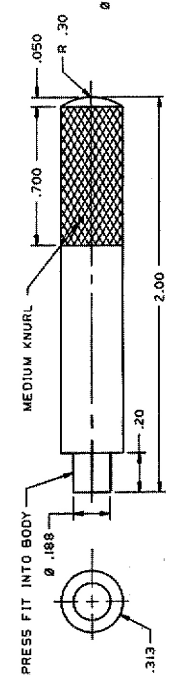
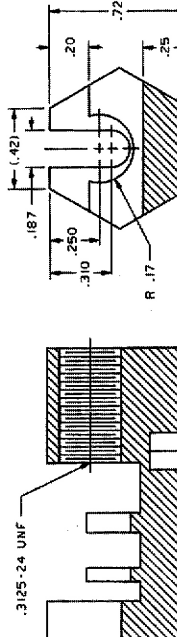
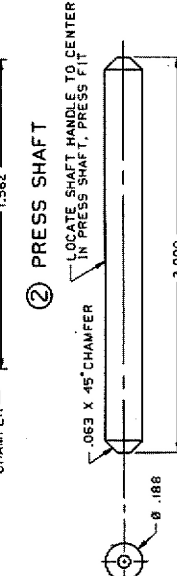
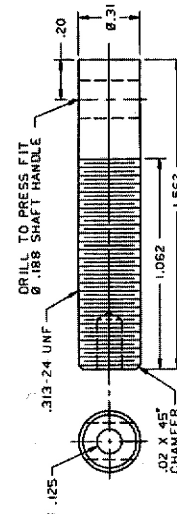
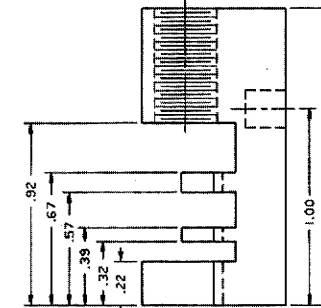
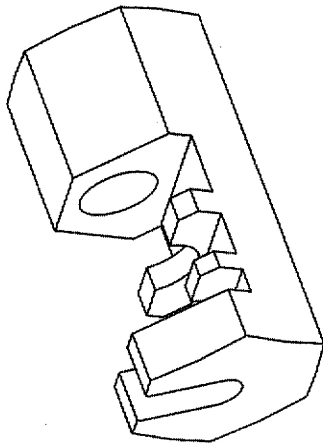
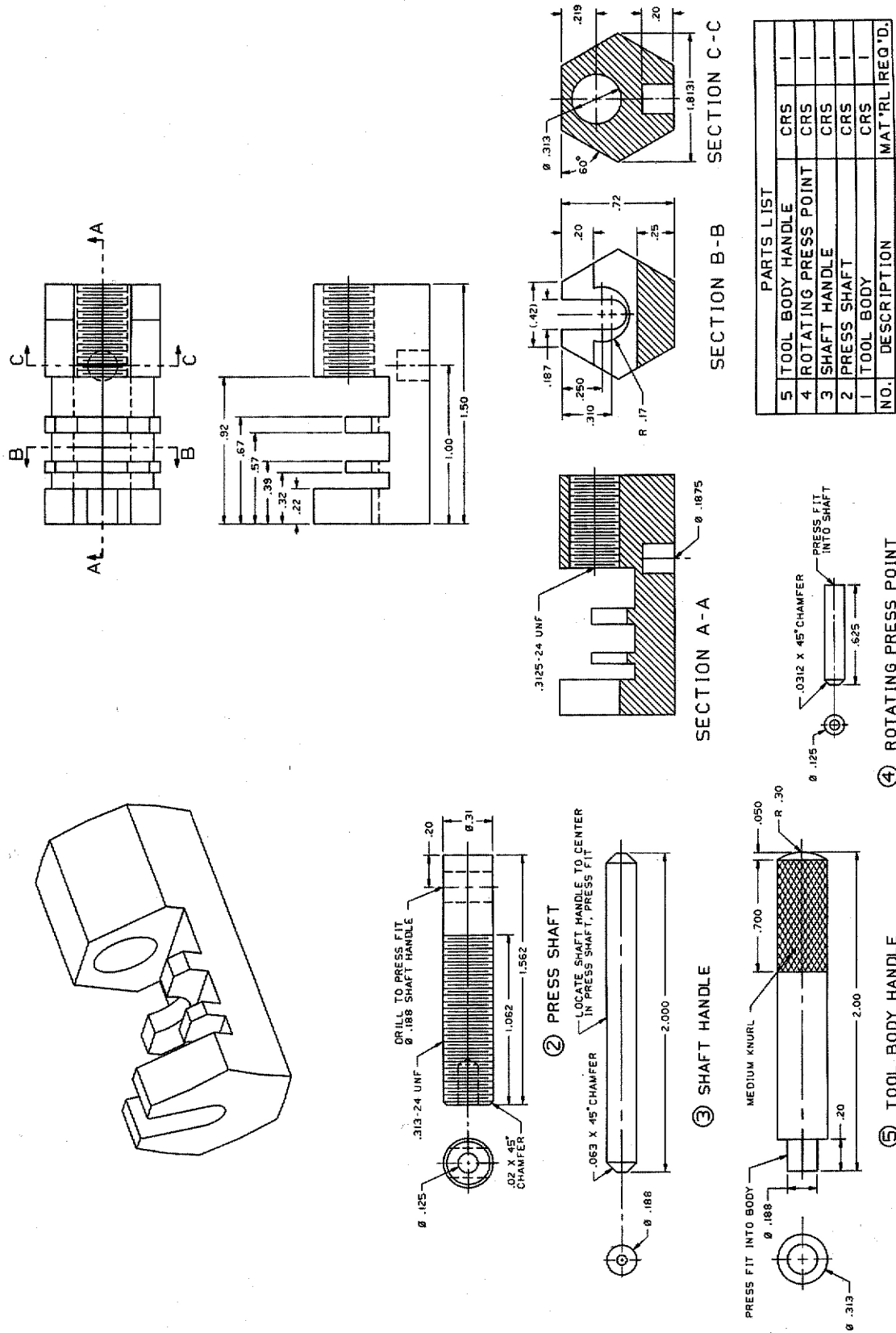
For assembly projects, prepare a layout assembly of the parts by blocking them in for each view required. Be sure to provide sufficient space on the sheet for the assembly and the parts list.

The parts list can be generated on a word processor or a CAD system and printed on a separate sheet.

Problem 23.19(A) and (B) Do an assembly (A) and details (B) for the hydraulic valve assembly.



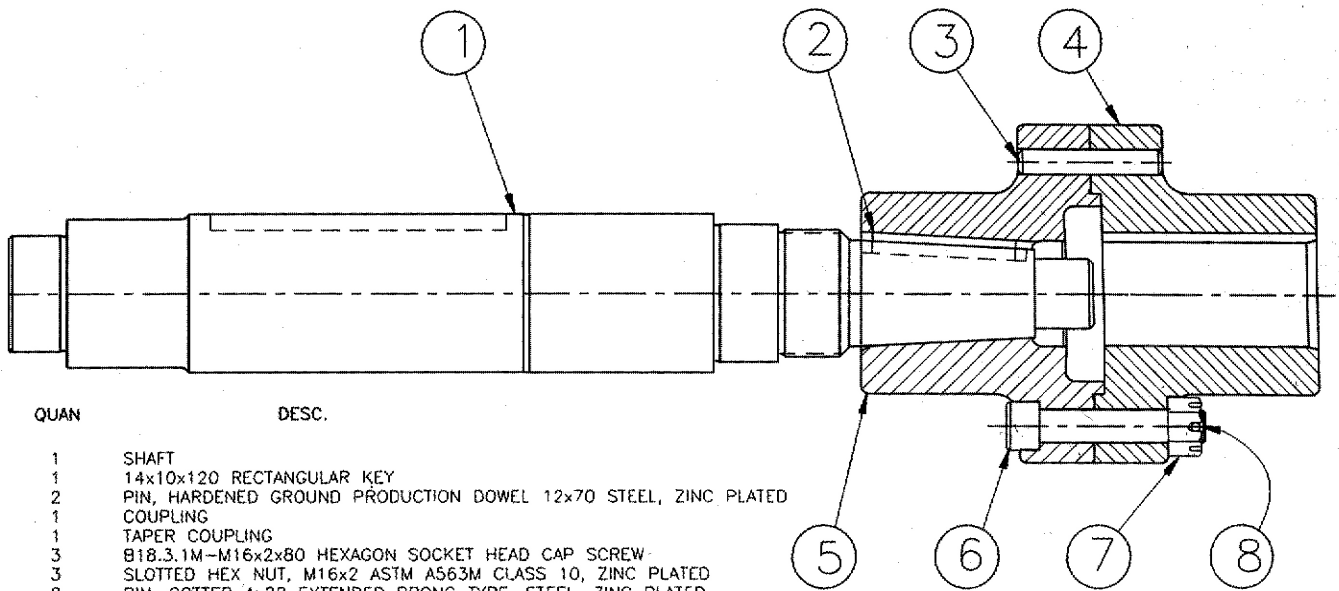
Problem 23.20 Do an assembly and details of the bike chain puller assembly.



PARTS LIST

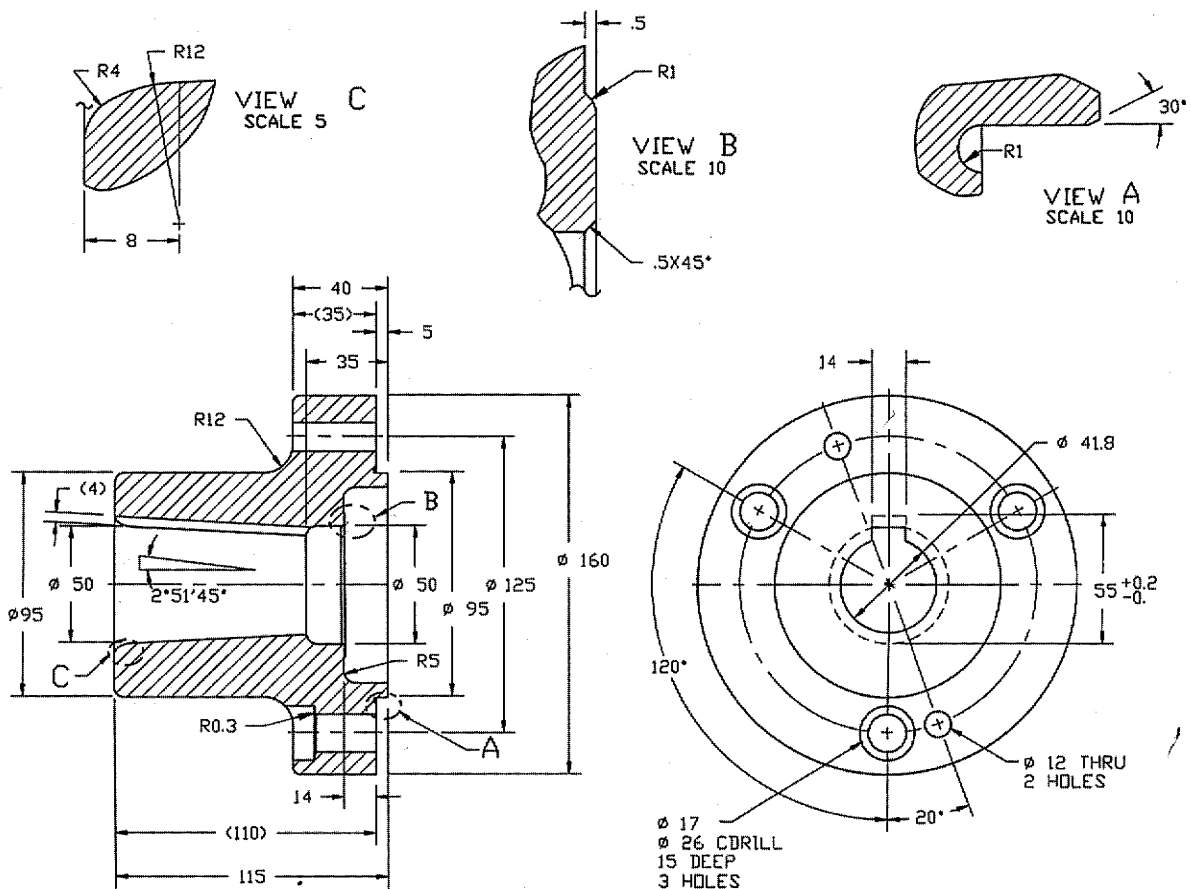
NO.	DESCRIPTION	MAT'L	REQ'D.
5	TOOL BODY HANDLE	CRS	1
4	ROTATING PRESS POINT	CRS	1
3	SHAFT HANDLE	CRS	1
2	PRESS SHAFT	CRS	1
1	TOOL BODY	CRS	1

Problem 23.21(A) and (B) Draw and detail the assembly and details for the coupling.



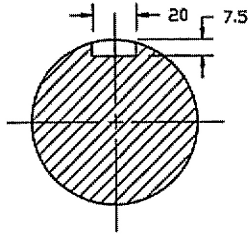
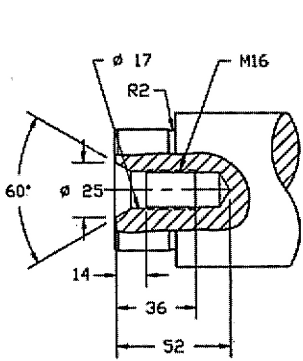
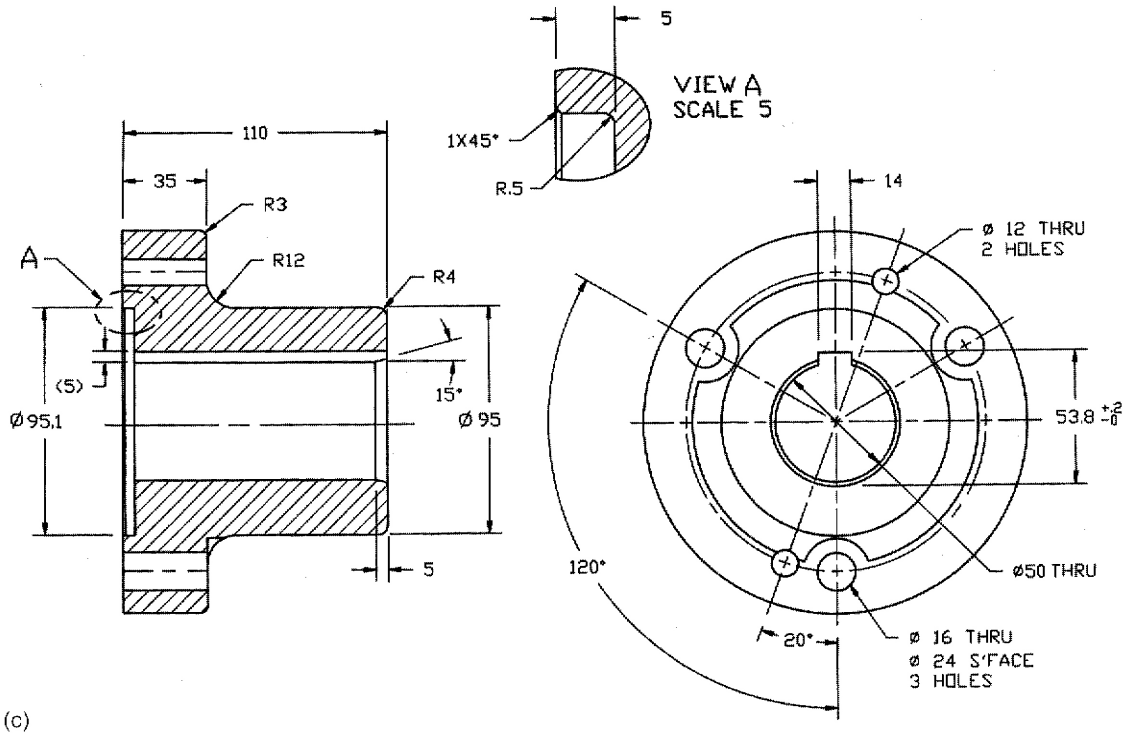
QTY	QUAN	DESC.
1	1	SHAFT
2	1	14x10x120 RECTANGULAR KEY
3	2	PIN, HARDENED GROUND PRODUCTION DOWEL 12x70 STEEL, ZINC PLATED
4	1	COUPLING
5	1	TAPER COUPLING
6	3	B18.3.1M-M16x2x80 HEXAGON SOCKET HEAD CAP SCREW
7	3	SLOTTED HEX NUT, M16x2 ASTM A563M CLASS 10, ZINC PLATED
8	2	PIN, COTTER 4x28 EXTENDED PRONG TYPE, STEEL, ZINC PLATED

(a)

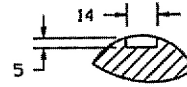


(b)

Problem 23.21(C) and (D) Draw and detail the assembly and details for the coupling.

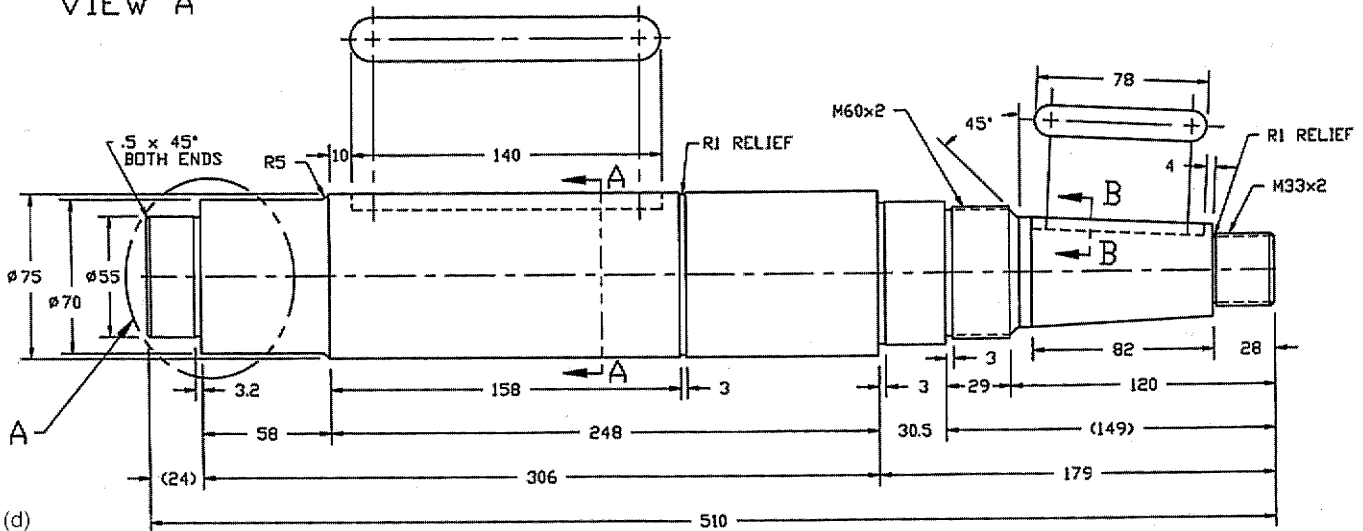


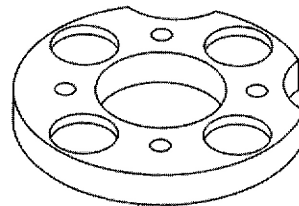
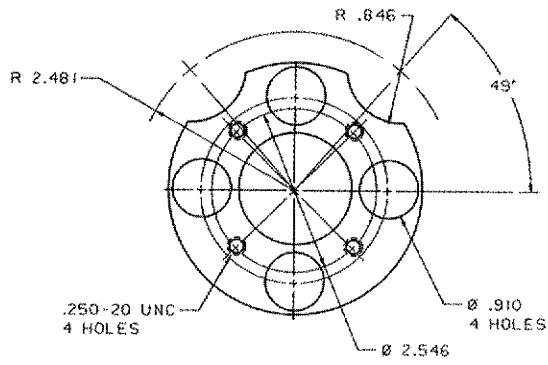
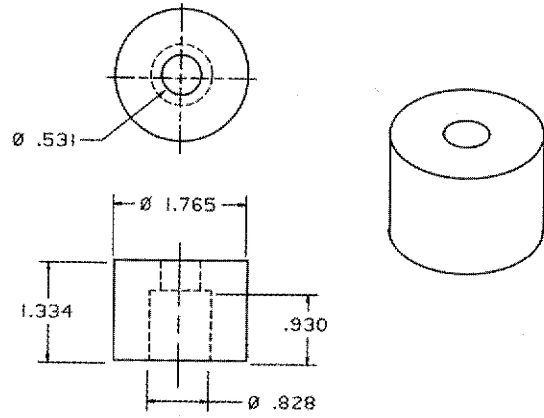
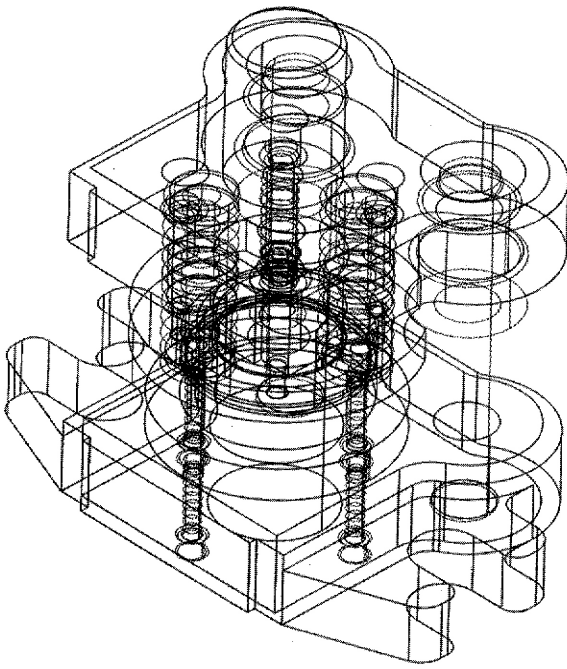
SECTION A-A

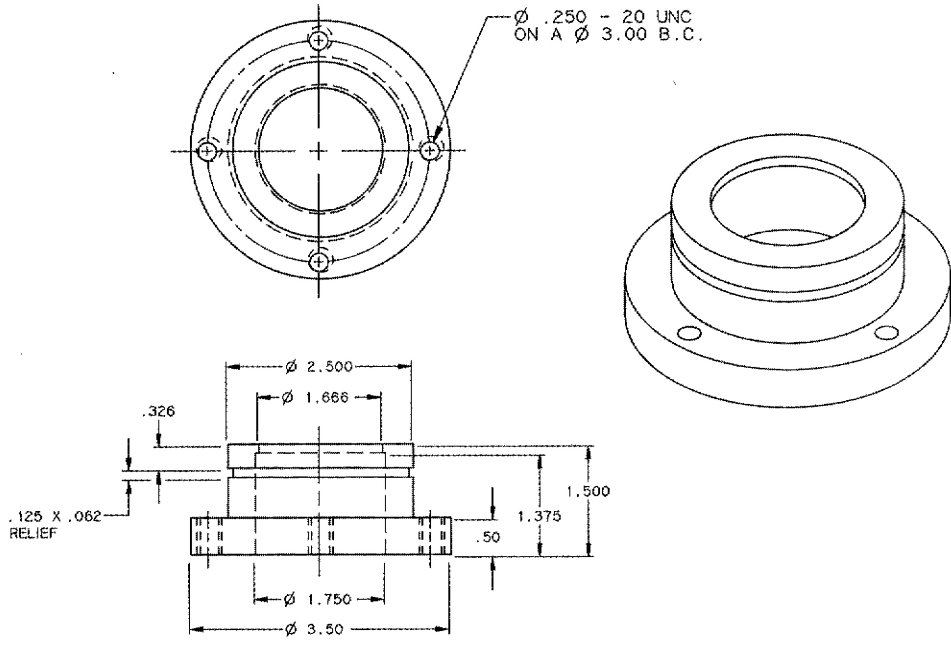


SECTION B-B

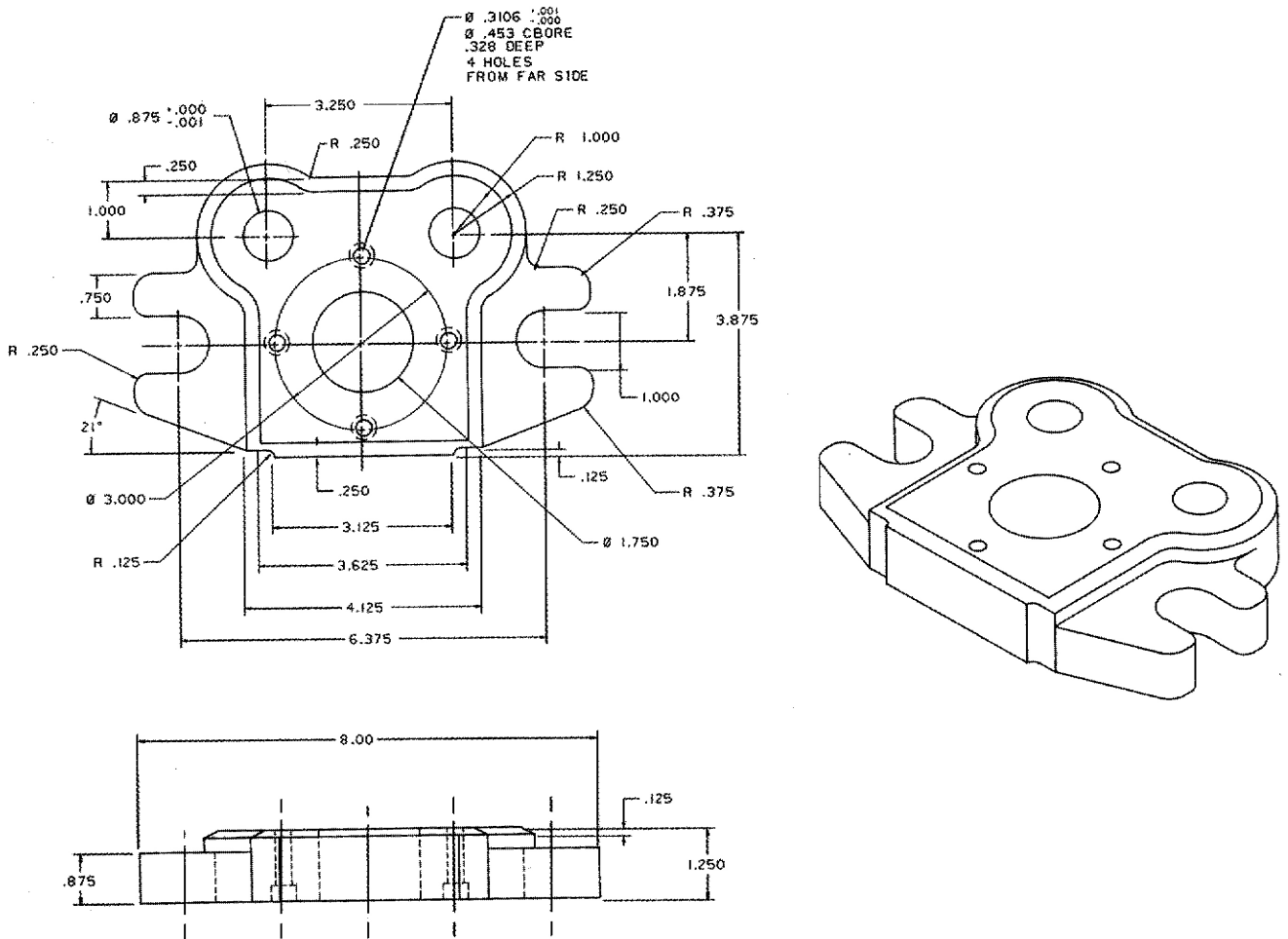
VIEW A



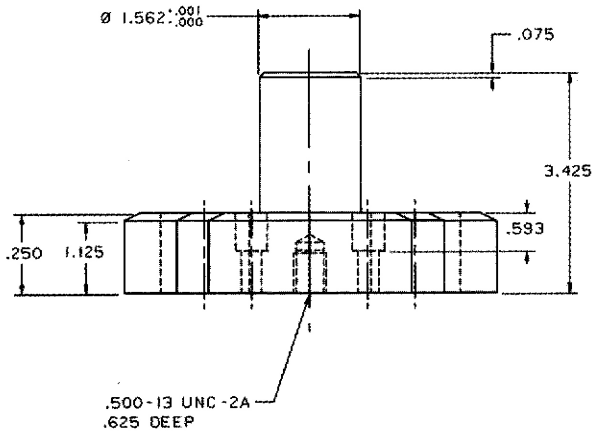
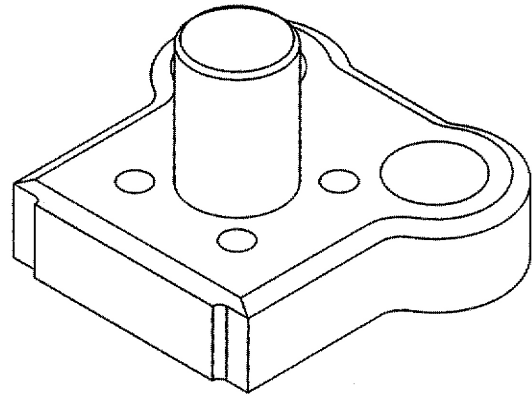
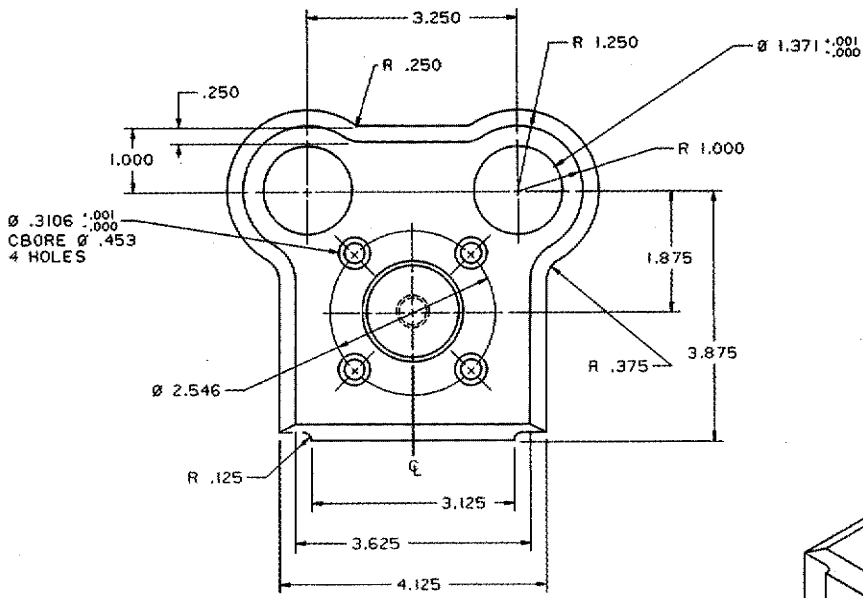




(g)



(h)



(i)