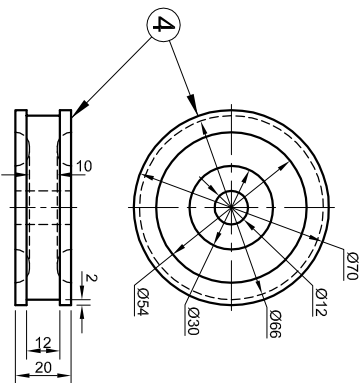
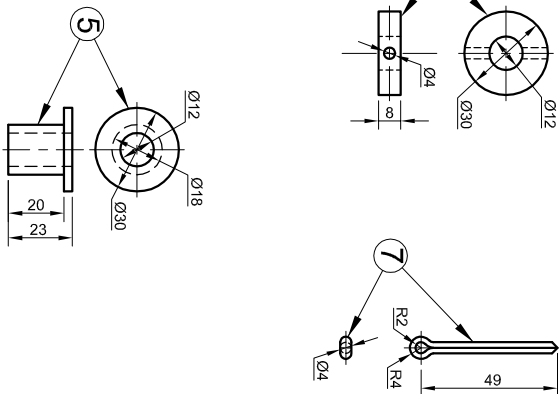
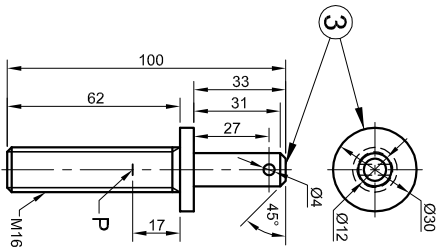
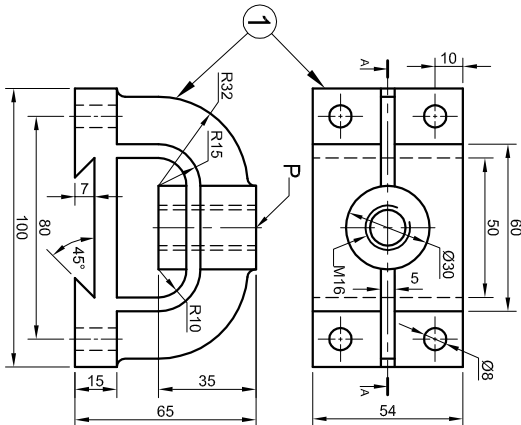



EXPLODED ISOMETRIC



- QUESTION 4: MECHANICAL ASSEMBLY**
- Given:**
- The exploded isometric drawing of the parts of a pulley tensioner, showing the position of each part relative to all the others
 - Orthographic views of each of the parts of the pulley tensioner
- Instructions:**
- Answer this question on page 6.
 - Draw, to scale 1 : 1 and in third-angle orthographic projection, the following views of the assembled parts of the pulley tensioner assembly:
- 4.1 A sectional front view**, on cutting plane A-A, as seen from the direction of the arrow shown on the exploded isometric drawing. The cutting plane is shown on the top view of the base (part 1).
- 4.2 The top view**.
- ALL drawings must comply with the guidelines contained in the SABS 0111.
- NOTE:**
- Point P on the shaft, nut and base must correspond.
 - No hidden detail is required.
- Add the following features to the drawing:**
- The cutting plane A-A
 - Label the sectional view: SECTION A-A
- [95]

PARTS LIST		
PART	QUANTITY	MATERIAL
1. BASE	1	CAST IRON
2. M16 NUT	1	MILD STEEL
3. SHAFT	1	HARDENED STEEL
4. PULLEY	1	CAST IRON
5. BUSH	1	BRONZE
6. COLLAR	1	MILD STEEL
7. SPLIT PIN	1	MILD STEEL

ALL DIMENSIONS ARE IN MILLIMETRES.		DRAWN BY: JOHAN	MICRO STEEL MANUFACTURING SUTTON ROAD SYDENHAM 6001 www.microsteel.co.za	
		DATE: 11/05/2011		
ALL UNSPECIFIED RADII ARE R3.		CHECKED BY: PETERS		
		DATE: 30/09/2011		
		APPROVED BY: JOSEPH		
		DATE: 29/06/2011		
DRAWING PROGRAM: CAD 2009		SCALE 1 : 2	EASTERN CAPE DEPARTMENT BASIC EDUCATION GRADE 12 SEPTEMBER 2011	
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