

071505T4MTP

MECHANICAL PRODUCTION TECHNOLOGY LEVEL 5

ENG/OS/ME/CR/01/5/A

Fabricate Sheet Metal Parts

Nov/Dec 2024



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION
COUNCIL (TVET CDACC)**

PRACT MENT

This paper consists of SEVEN (7) printed pages

***Candidate should check the question paper to ascertain that all pages are printed as
indicated and that no pages are missing***

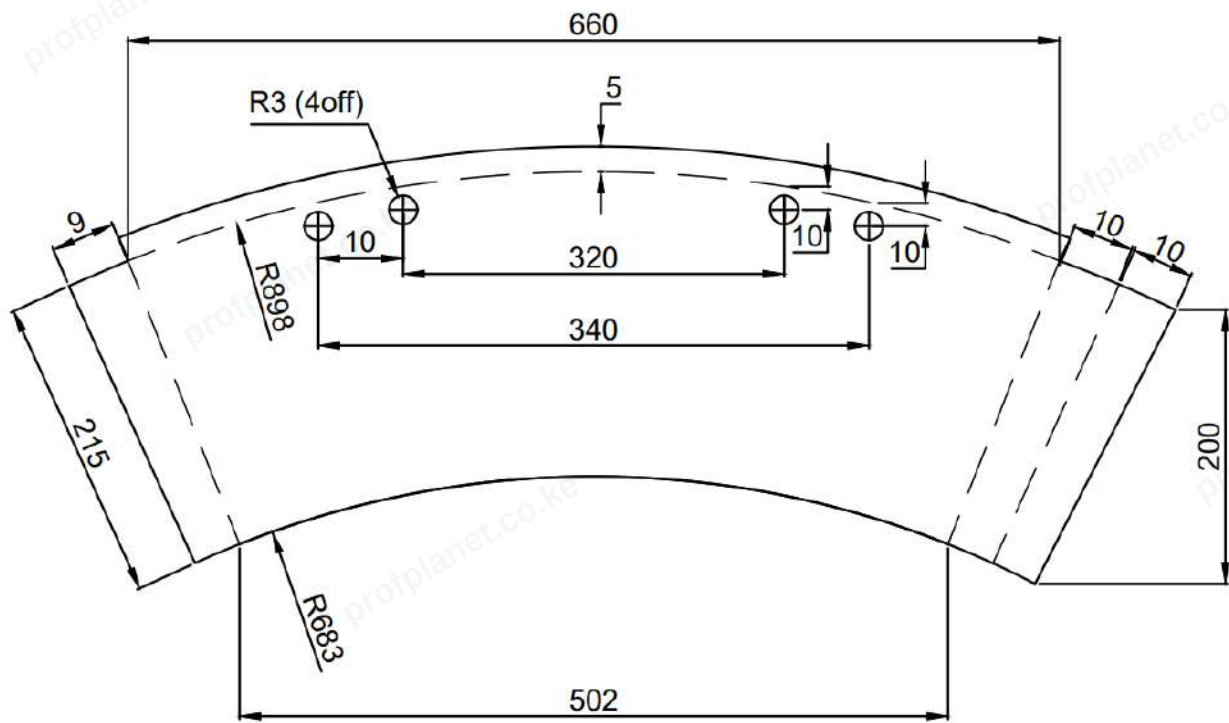
INSTRUCTIONS TO CANDIDATE

1. You are required to perform the following tasks:
 - i. Prepare the **operation procedure plan** as per the working drawing;
 - ii. Produce the component shown on the working drawing as per your prepared operation procedure sheet;
 - iii. Inspect the finished work and record in the form **“Candidate’s Inspection Checklist for the Finished Work”** provided in Appendix 1.
 - iv. Perform water leak proof test after assembly
2. You are provided with the following resources:
 - Mild steel sheet:
 - 720 mm × 310 mm × 1 mm
 - 175 mm × 175 mm × 1 mm
 - 35 mm × 25 mm × 1 mm (20)
 - Mild steel rod
 - Ø6 mm × 400 mm
 - Flat head rivets Ø3 mm (4 off)
 - Drilling machine
 - Gas welding equipment
 - Shear machine
 - Rolling machine
 - Flux
 - Gas welding rods
 - Brazing rods
 - Drill bit Ø3 mm and Ø7 mm
 - Bench with vice
 - Hand shears or snips
 - Assorted sheet metal hammers
 - Assorted stakes and stake holder

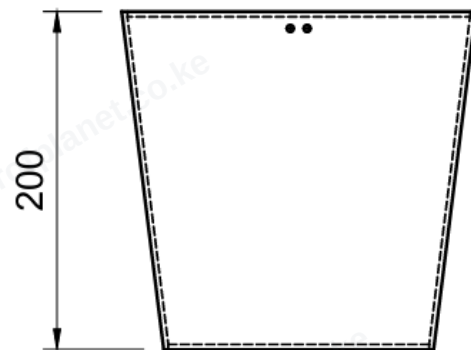
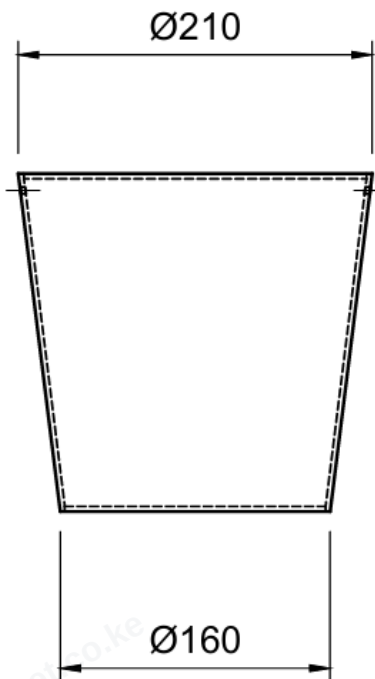
- Hacksaw
- Scriber
- Steel rule
- Try square
- Vernier calliper
- Assorted Files
- Centre punches.
- Clear gas welding goggles
- Cleaning cloth
- Cleaning broom
- Collecting pan
- Soft brush

NB:

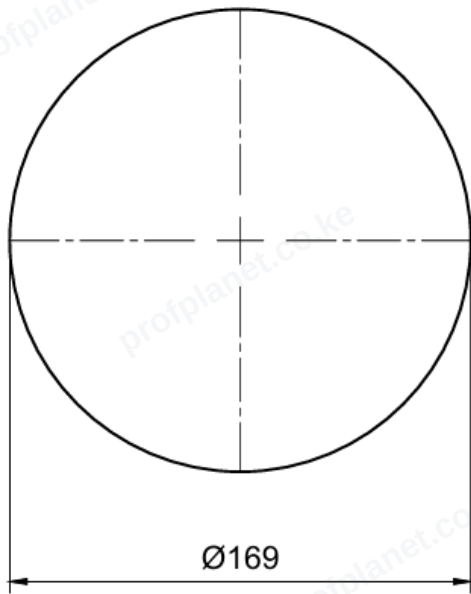
- **All dimensions are in millim**
- **Tolerance ± 0.5 mm**



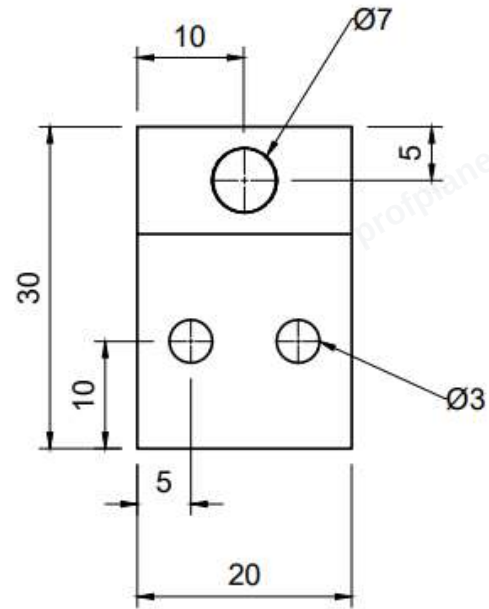
Part



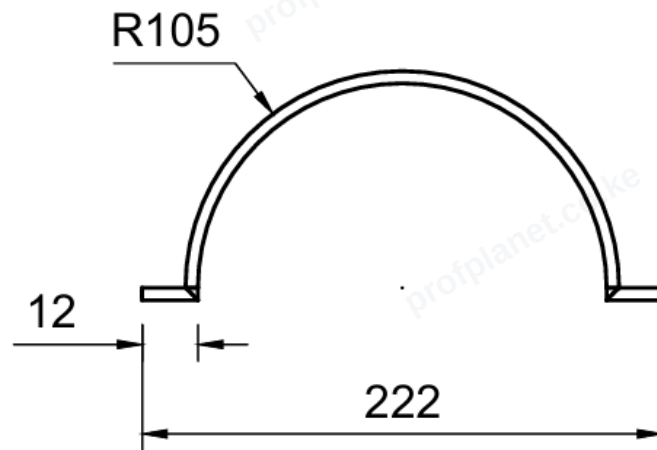
Part 1. Body



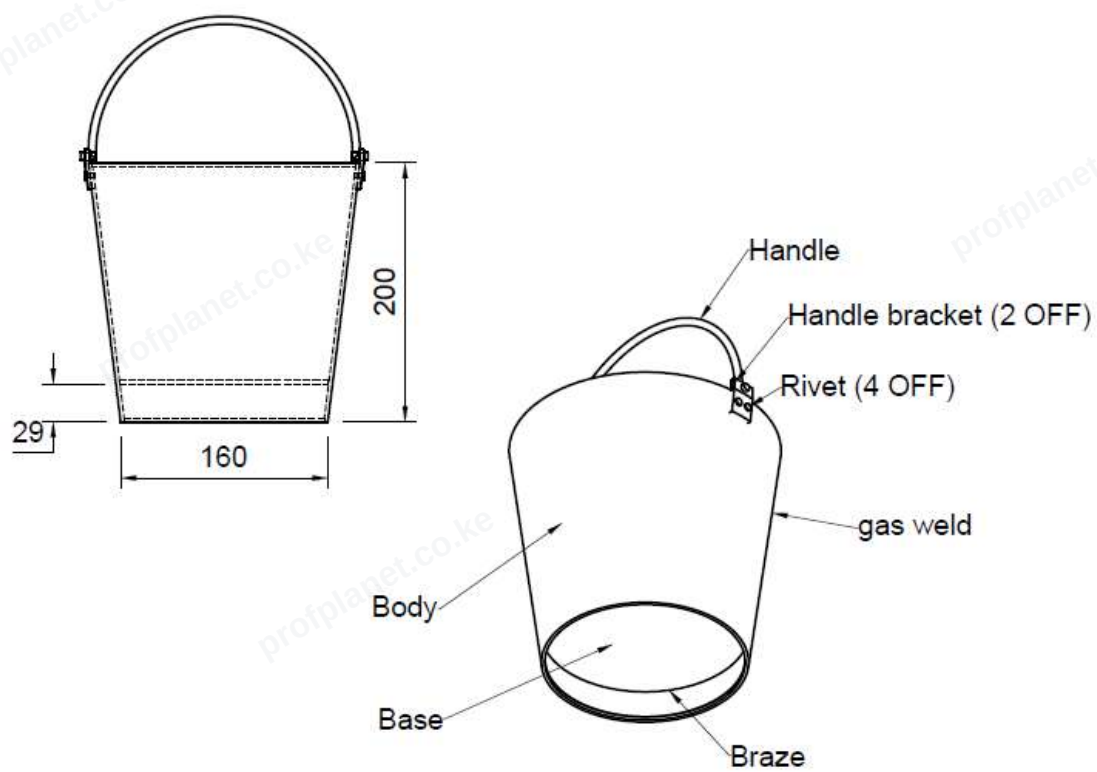
Part 2. Base



Part 3. Handle bracket (2-off)



Part 4. Handle



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Appendix 1: Candidate's Inspection Checklist

No	BASIC DIMENSIONS All dimensions are in mm Tolerance = ± 0.2	CANDIDATE MEASUREMENTS	DI AVIATION
PART 1: BODY			
1.	215		
2.	Ø 210		
3.	Ø 160		
PART 2: BASE			
4.	Ø 169		
PART 3: HANDLE BRACKET (2 OFF)			
5.	30		
6.	20		
P LE			
7.	234		

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