

071505T4MTP

MECHANICAL PRODUCTION TECHNICIAN LEVEL 5

ENG/OS/ME/CR/02/5/A

PERFORM GRINDING OPERATIONS

March/April 2025



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

PRACT MENT

Time: 6 HOURS

INSTRUCTIONS TO CANDIDATE:

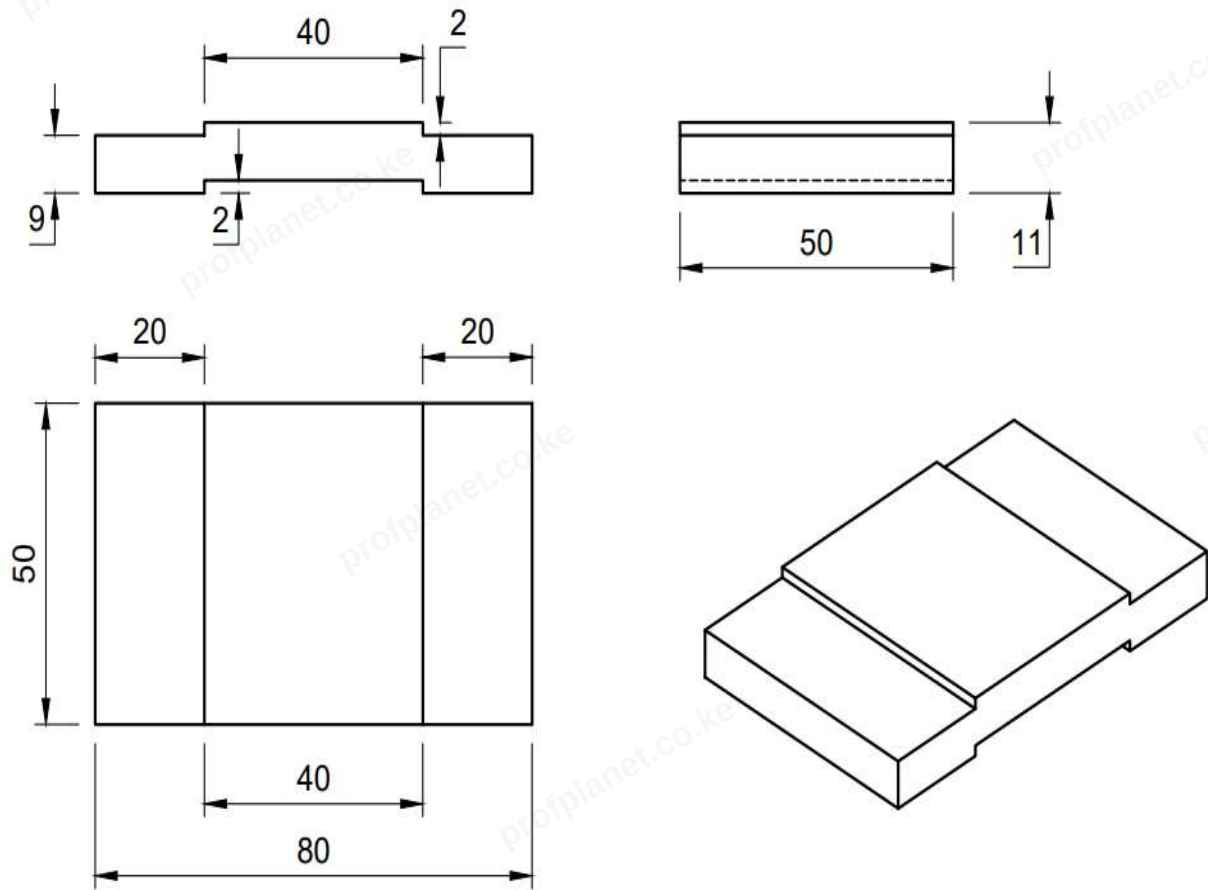
1. You are required to perform the following tasks:
 - i. Prepare the operation plan as per the working drawing;
 - ii. Produce the component as per the drawing and operation plan prepared;
 - iii. Inspect the finished work and record in the '***candidate inspection checklist appendix 1***'.
2. You have been provided with the following resources for the practical tasks:
 - Mild steel flat bar: 80 × 50 × 12 (1 off).
 - Grinding machine and accessories
 - Machine vice
 - Vernier calliper
 - Scriber

- Surface plate
- Steel Rule
- Files
- Try square
- Workbench
- Leather gloves
- Coolant
- Cotton waste
- Cleaning detergent
- Cleaning broom
- Dustpan
- Clear safety goggles

Note: All dimensions are in millimetres (mm)

Tolerance: ± 0.02

WORKING DRAWING



APPENDIX 1 Inspection Check List

S/N	Dimensions	Candidate measurements	Deviations
1.	40		
2.	40		
3.	20		
4.	20		
5.	20		
6.	20		
7.	9		
8.	9		
9.	9		
10.	2		
11.	2		
12.	2		