



## Leaving Certificate Examination, 2025

### Engineering - Practical (150 marks)

Morning: 10:00 to 1:00 - Afternoon: 2:00 to 5:00

### Please Read Carefully

#### Instructions

- (a) The Examination Number must be clearly stamped or engraved, by the **teacher**, on the test-piece in the position indicated on the examination paper - 2025. M74A(L<sub>2</sub>).  
If the test-piece is not assembled, the Examination Number must be indicated on each separate part of the test-piece.
- (b) Candidates are not permitted to communicate with or assist one another.
- (c) Write your Examination Number in the box provided on the examination paper - 2025. M74A(L<sub>1</sub>).
- (d) Put the examination paper - 2025. M74A(L<sub>1</sub>) and the test-piece into the candidate envelope supplied and hand up the envelope to the Superintendent at the end of the examination.

From the materials supplied, make the **Mechanism** shown on the drawings to the shape and dimensions specified.

| PART | MATERIAL      | PROCESS                         |
|------|---------------|---------------------------------|
| 2    | Brass         | Mark out, drill and shape.      |
| 7    | Aluminium     | Mark out, drill and shape.      |
| 9    | Aluminium     | Mark out, drill and shape.      |
| 10   | Polycarbonate | Mark out, drill, tap and shape. |
| 11   | U-Aluminium   | Mark out, drill and shape.      |

**Note:** (i) Parts 1, 3, 4, 5, 6, 8, 12 and 13 have been made prior to examination day.  
Using the screws supplied assemble the mechanism, as detailed on the assembly drawing.  
(ii) **Accuracy, finish and function are important.**



Scrúdú na hArdteistiméireachta, 2025

Innealtóireacht - Praiticiúil  
(150 marc)

Maidin: 10:00 go dtí 1:00 - Tráthnóna: 2:00 go dtí 5:00

Léigh na Treoracha seo go cúramach le do thoil

Treoracha

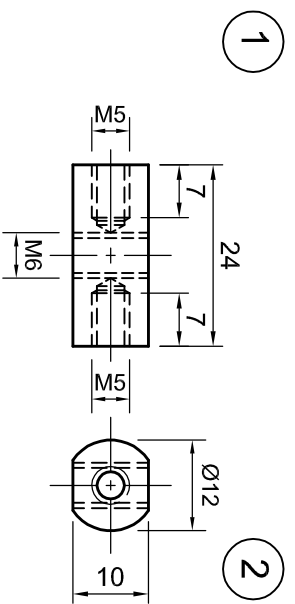
- (a) Ba chóir don **mhúinteoir** Scrúduimhir an iarrthóra a stampáil nó a ghreanadh ar an triailphíosa san ionad a thaispeántar ar an scrúdpháipéar - 2025. M74A(L<sub>2</sub>). Mura bhfuil an triailphíosa curtha le chéile, ní mór an Scrúduimhir a thaispeáint ar gach páirt ar leith den triailphíosa.
- (b) Níl cead ag iarrthóirí a bheith i gcumarsáid le chéile ná cúnamh a thabhairt dá chéile.
- (c) Scríobh do Scrúduimhir sa bhosca atá ann di ar an scrúdpháipéar - 2025. M74A(L<sub>1</sub>).
- (d) Cuir an scrúdpháipéar - 2025. M74A(L<sub>1</sub>) agus an triailphíosa isteach i gclúdach an iarrthóra atá curtha ar fáil agus tabhair an clúdach don Fheitheoir ag deireadh an scrúdaithe.

As na hábhair a sholáthraítear, déan an **Mheicníocht** a thaispeántar sna líníochtaí sa chruth agus sna toisí a shonraítear.

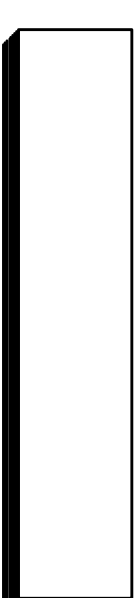
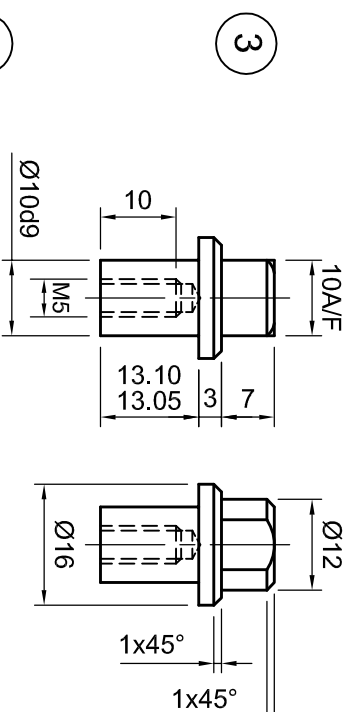
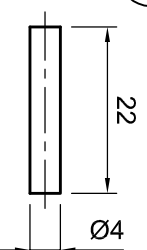
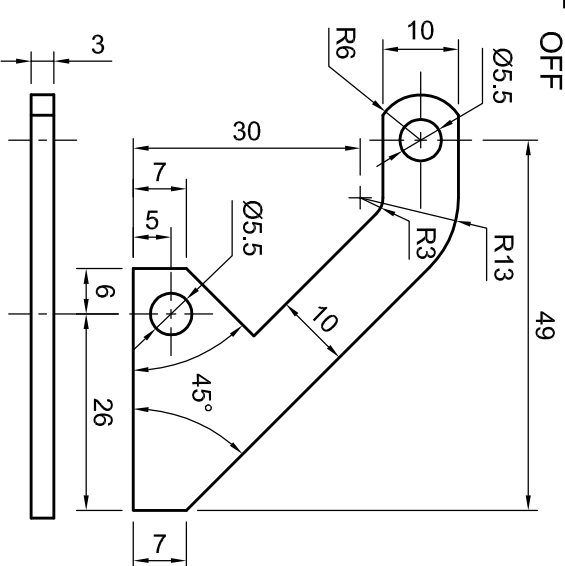
| PÁIRT | ÁBHAR         | PRÓISEAS                                                 |
|-------|---------------|----------------------------------------------------------|
| 2     | Prás          | A mharcáil amach, a dhruileáil agus a dheilbhiú.         |
| 3     | Alúmanam      | A mharcáil amach, a dhruileáil agus a dheilbhiú.         |
| 7     | Alúmanam      | A mharcáil amach, a dhruileáil agus a dheilbhiú.         |
| 10    | Polacarbónáit | A mharcáil amach, a dhruileáil, a tapa agus a dheilbhiú. |
| 11    | U-Alúmanam    | A mharcáil amach, a dhruileáil agus a dheilbhiú.         |

**Nóta: (i)** Rinneadh na páirteanna 1, 3, 4, 5, 6, 8, 12 agus 13 roimh lá an scrúdaithe. Agus tú ag baint úsáide as na scriúnná a sholáthraítear, cóimeáil an mheicníocht faoi mar atá sa líníocht chóimeála.

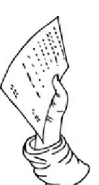
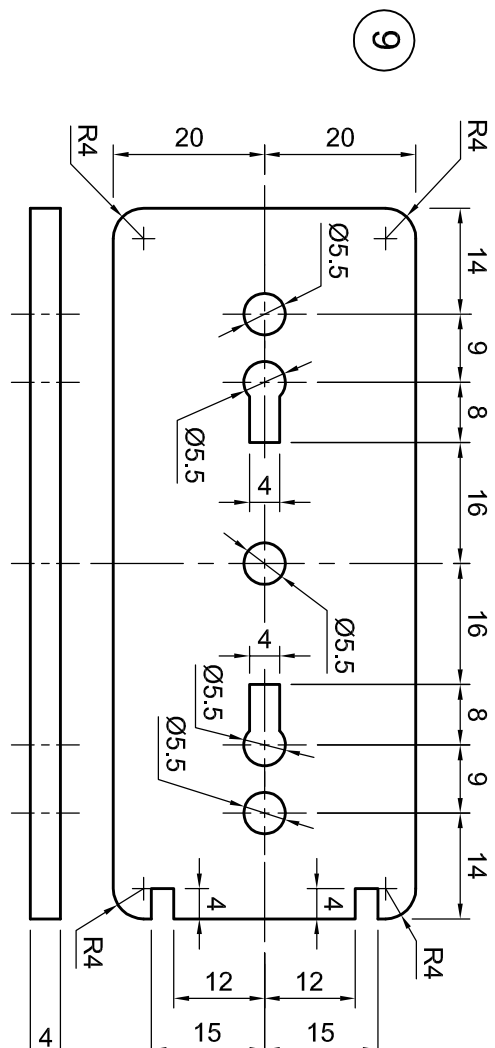
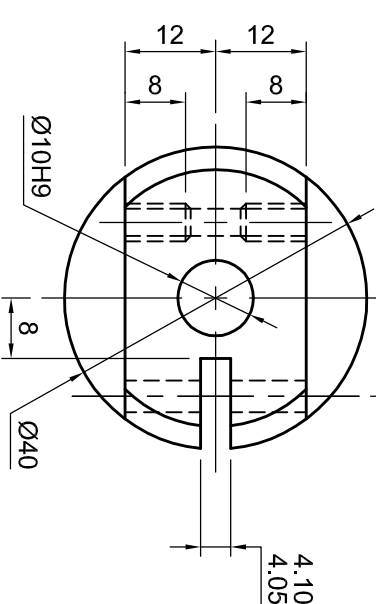
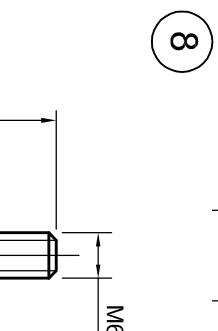
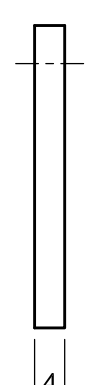
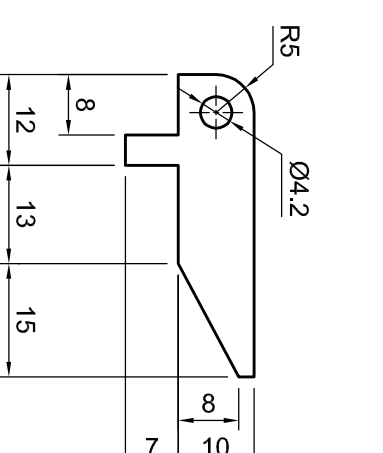
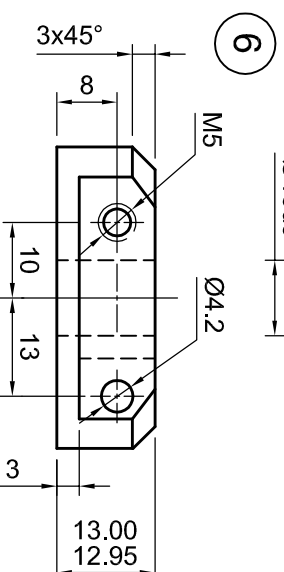
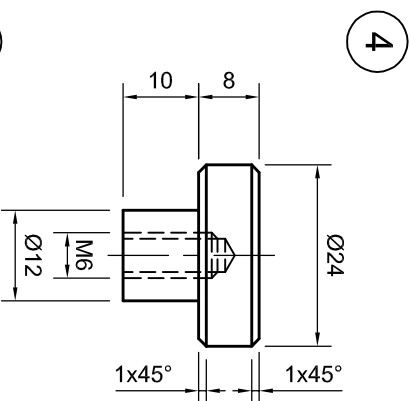
**(ii)** Tá tábhacht ag baint le cruinneas, le bailchríoch agus le hoibriú an triailphíosa.



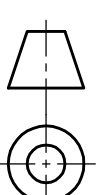
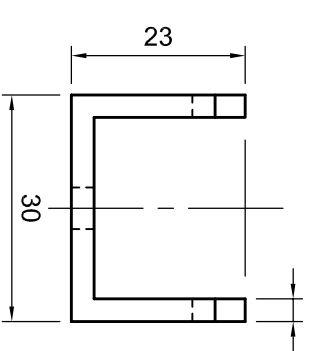
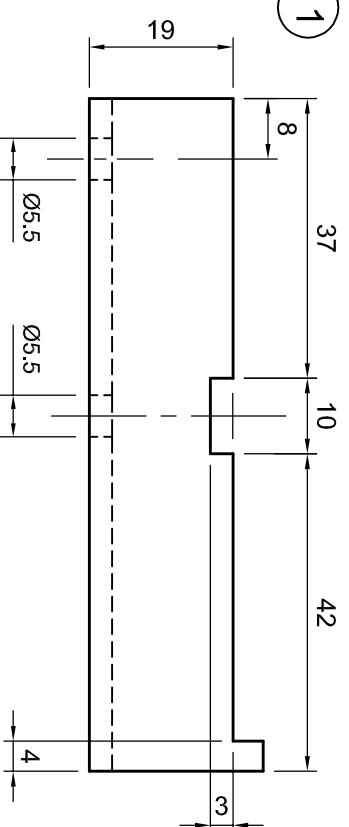
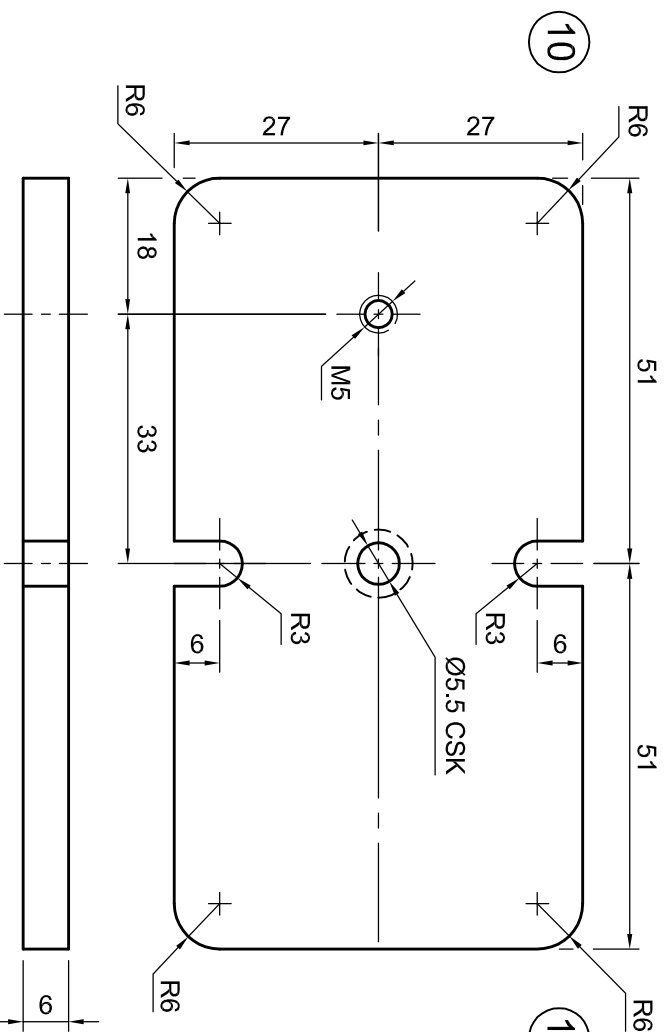
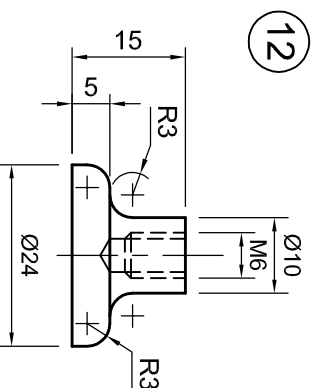
De dhíth



Scríobh do Scrúduithe sa bhosca seo:  
Write your Examination Number in this box:



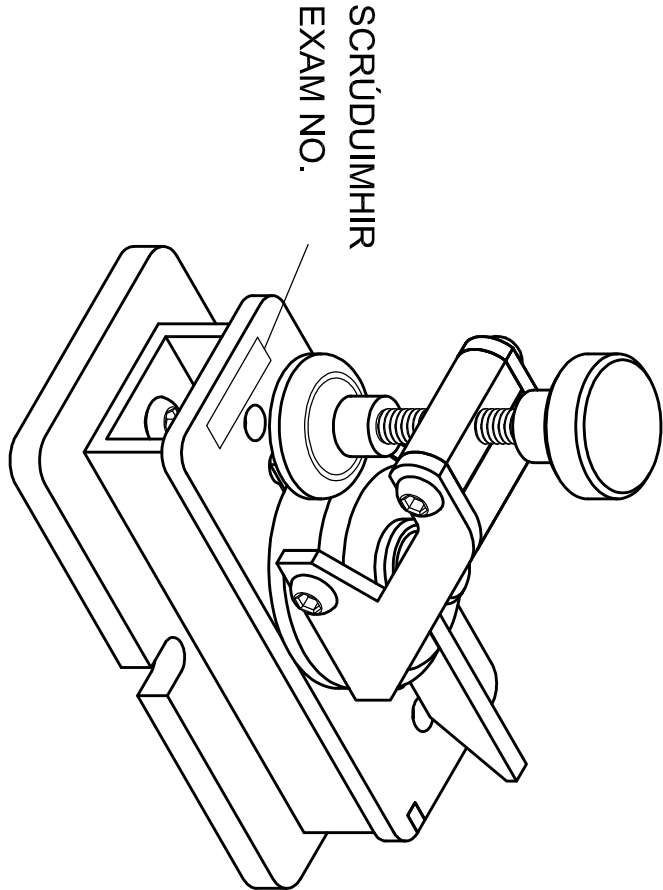
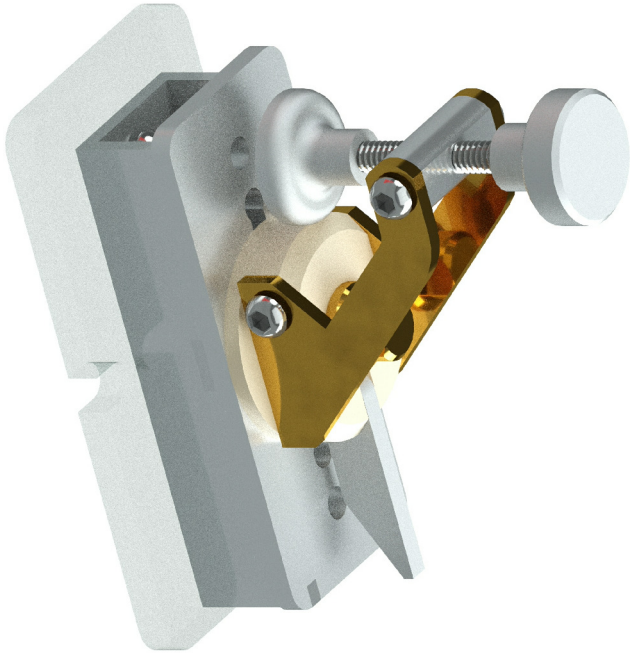
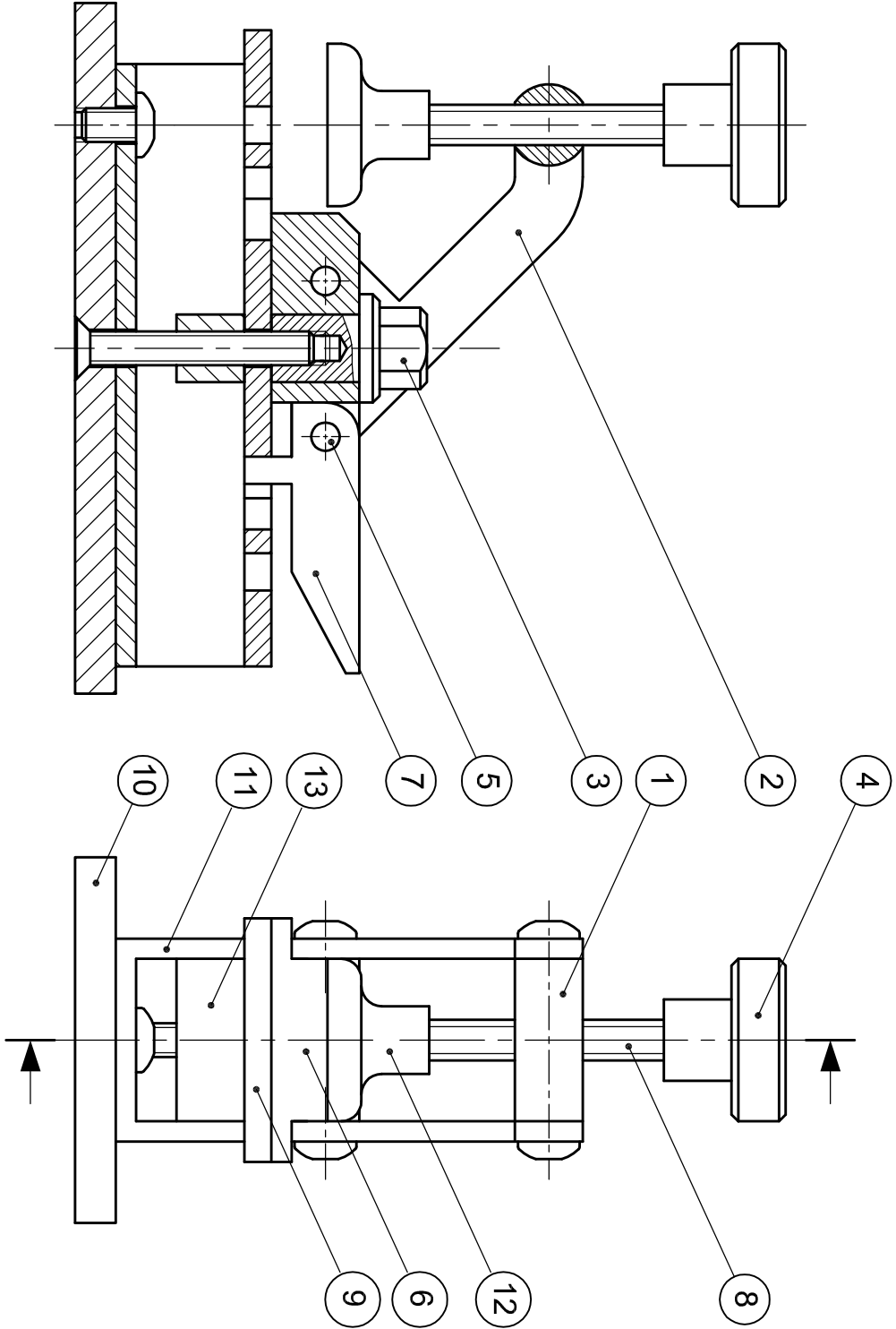
Cuir an scrúdpháipéar seo agus an triailphíosa isteach i gclúdach an iarthóra atá curtha ar fáil, agus tabhair an clúdach don Fheitheoir ag deireadh an scrúdaithe. Put this examination paper and the test-piece into the candidate envelope supplied, and hand up the envelope to the Superintendent at the end of the examination.



# THALL

OVER

SCRÚDÚ ARDTEISTIMEIREACHTA INNEALTOIREACHT - PRAITICIÚIL  
LEAVING CERTIFICATE ENGINEERING - PRACTICAL



Cuir an scrúpháipéar seo agus an triailphiosa isteach i gclúdach an iarrthóra atá curtha ar fáil, agus tabhair an clúdach don Fheidhteoir ag deireadh an scrúdaithe.  
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SONRAÍ CÒIMEÁLA  
ASSEMBLY DETAILS