



Leaving Certificate Examination, 2024

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 - 2024. 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 - 2024. M74A(L<sub>1</sub>).
- (d) Put the examination paper - 2024. 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.      |
| 3    | Aluminium           | Mark out, drill and shape.      |
| 7    | U-Aluminium         | Mark out, drill and shape.      |
| 10   | Clear Polycarbonate | Mark out, drill, tap and shape. |

**Note:** (i) Parts 1, 4, 5, 6, 8 and 9 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, 2024

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

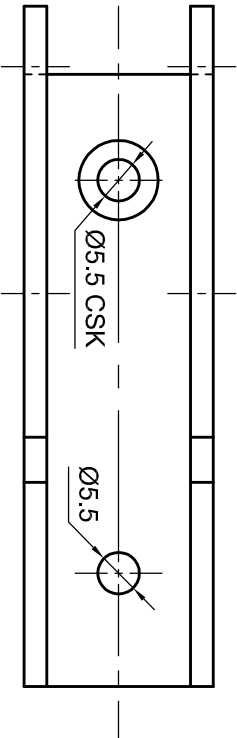
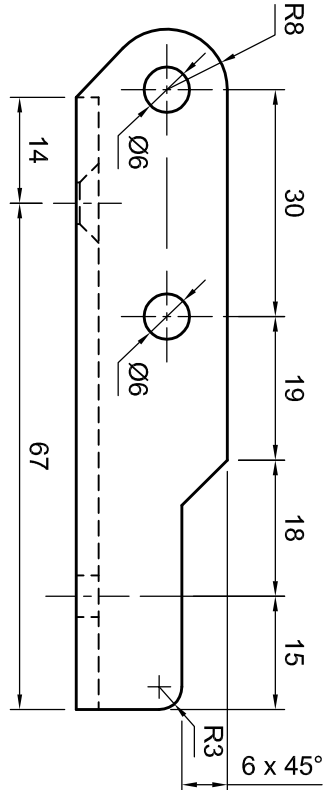
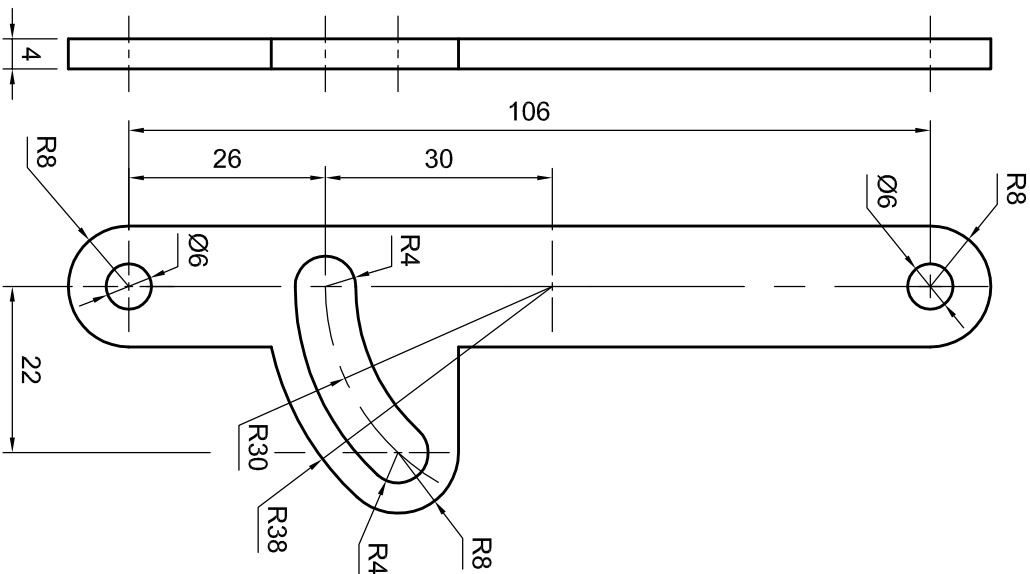
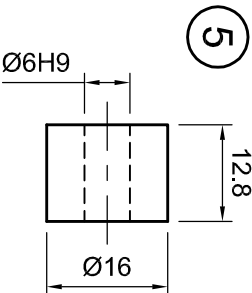
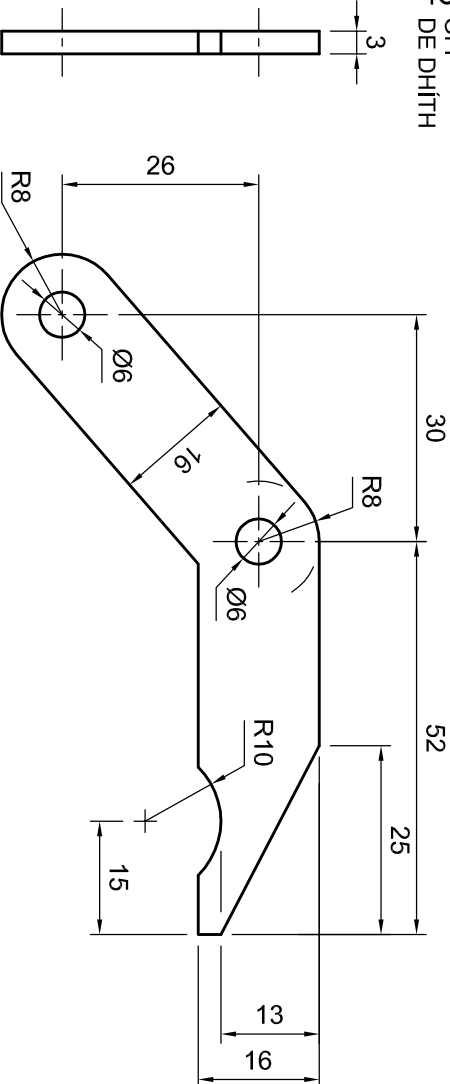
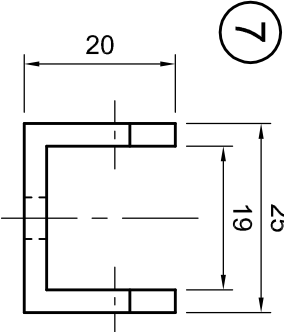
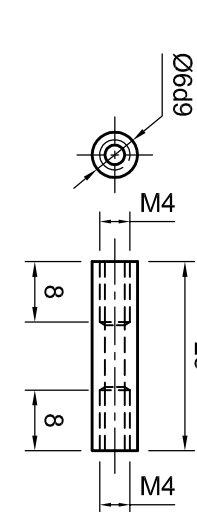
Treoracha

- (a) Ba chóir don **mhúinteoir** Scrúduimhir an iarrthóra a stampáil nó a ghreanadh ar an triailphíosa san ionad a thaispeántar ar an scrúdpháipéar - 2024. 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 - 2024. M74A(L<sub>1</sub>).
- (d) Cuir an scrúdpháipéar - 2024. 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     | U-Alúmanam                  | A mharcáil amach, a dhruileáil agus a dheilbhiú.         |
| 10    | Polacarbónáit thrédhearcach | A mharcáil amach, a dhruileáil, a tapa agus a dheilbhiú. |

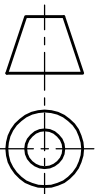
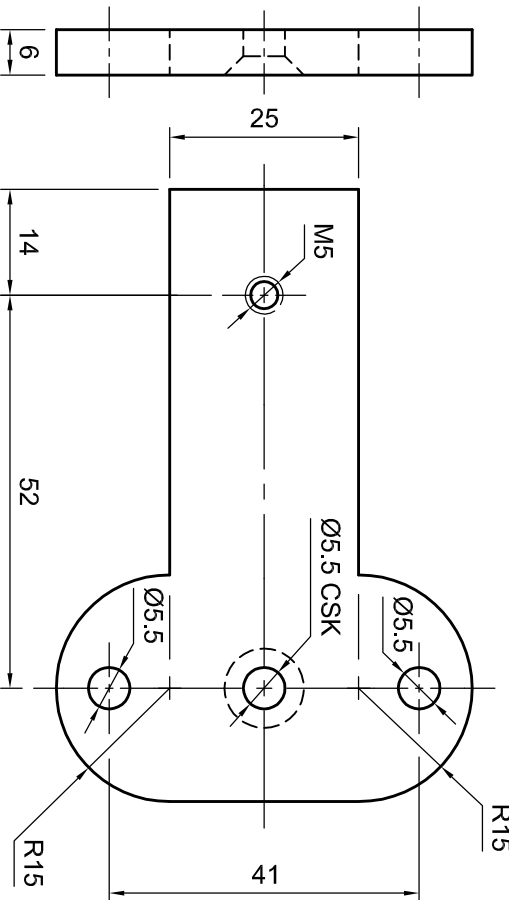
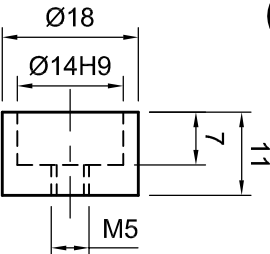
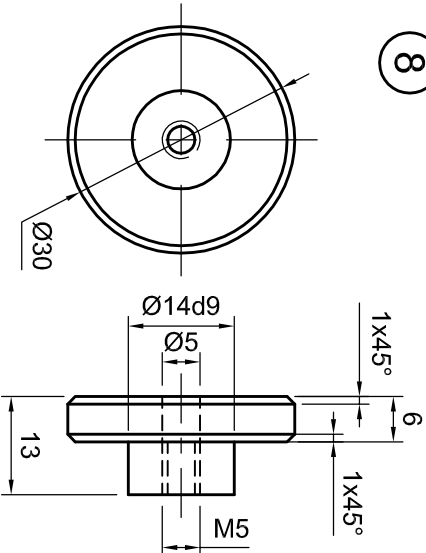
- Nóta:** (i) Rinneadh na páirteanna 1, 4, 5, 6, 8 agus 9 roimh lá an scrúdaithe.  
Agus tú ag baint úsáide na scriúnna a sholáthraítear, cóimeáil an mheicníocht faoi mar atá sa líníocht chóimeála.
- (ii) Tá tábhacht ag baint le cruinneas, le bailchríoch agus le hoibriú an triailphíosa.



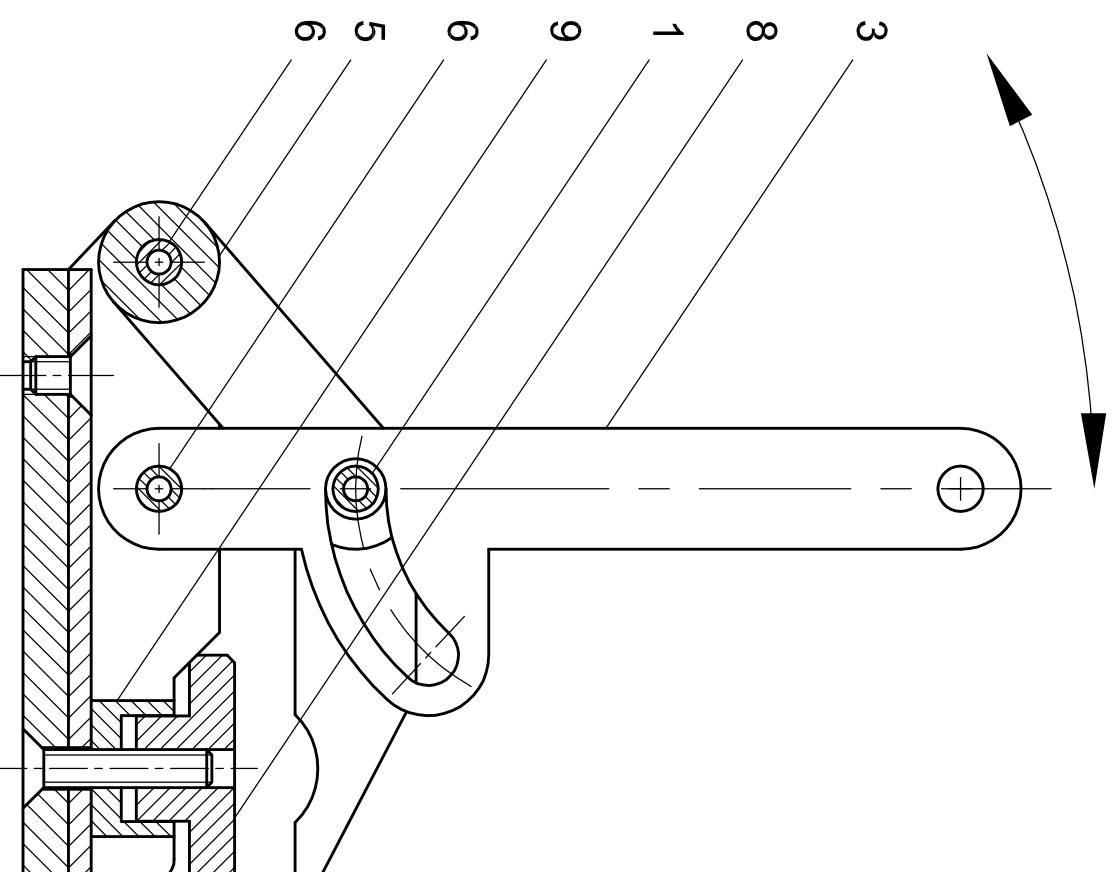
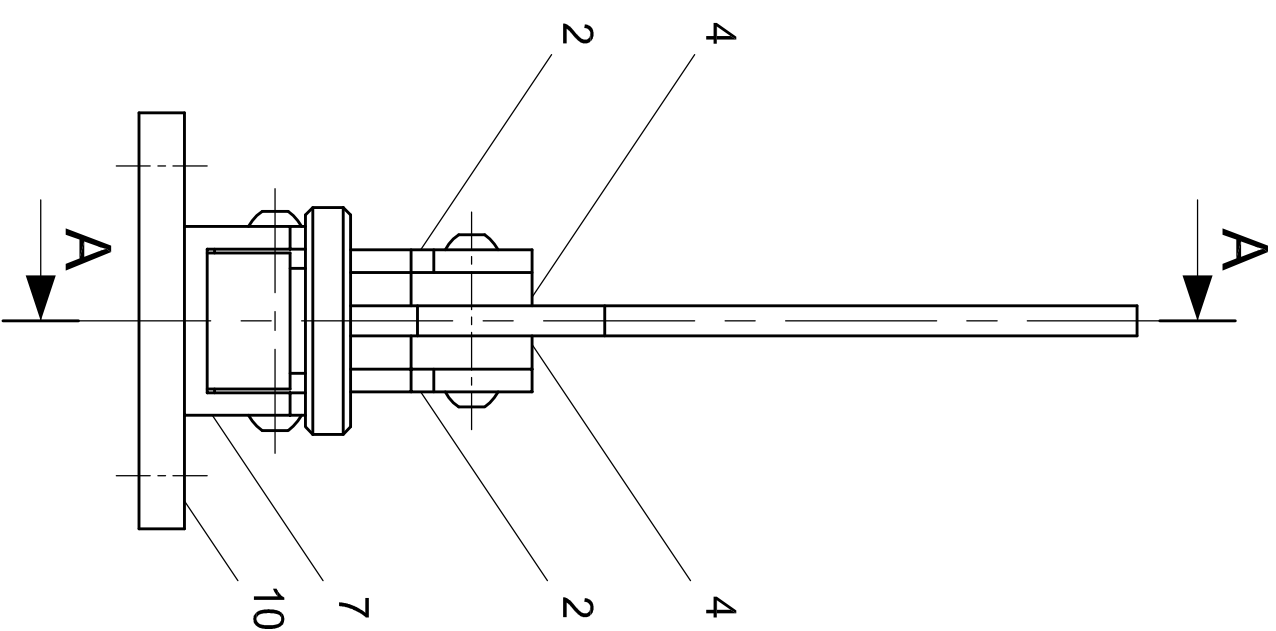
Cuir an scrúdpháipéar seo agus an triailphiosa isteach i gclúdach an iarrthóra atá curtha ar fáil, agus tabhair an clúdach don Fheidhneoir ag deireadh an scrúdaithe.

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.

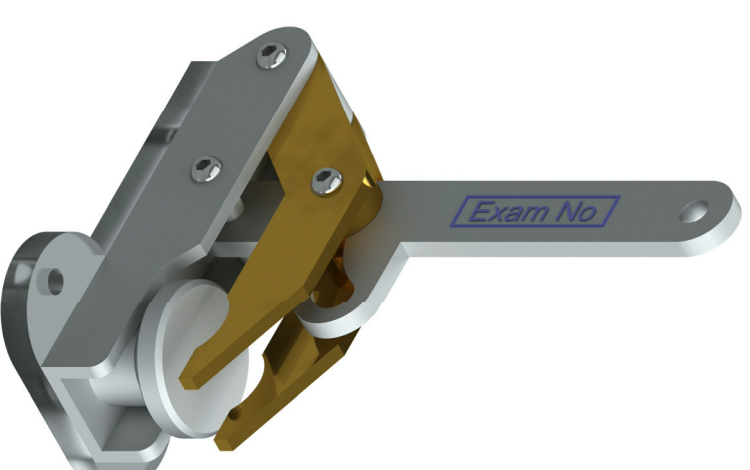
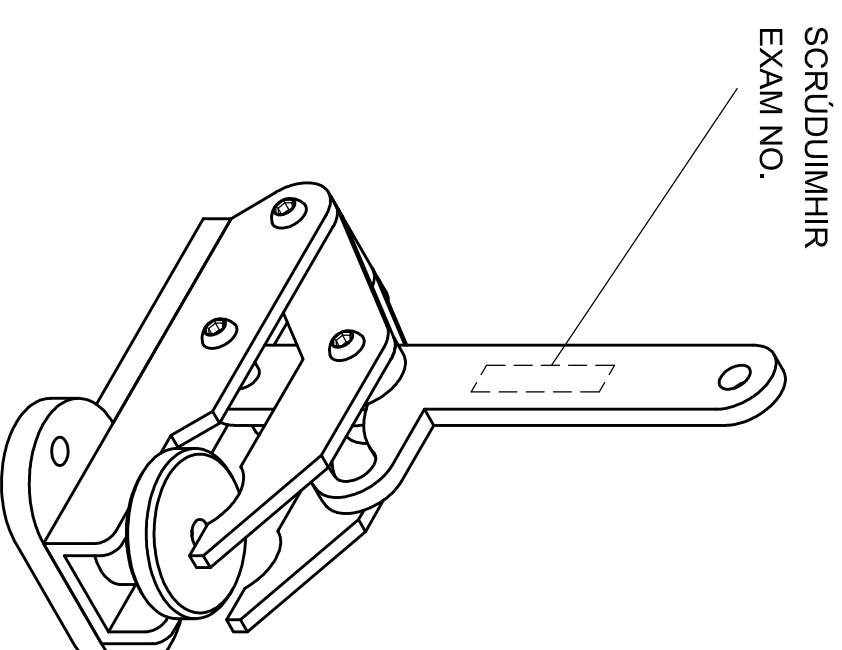
Scriobh do Scrúdumhir sa bhosca seo:  
Write your Examination Number in this box:



THALL  
OVER



## SECTION A-A



SCRÚDUMHIR  
EXAM NO.

# ASSEMBLY DETAILS SONRAÍ CÒIMEÁLA

# THALL OVER

