

# Introductory Machine Design 254

## Design Report 2

### Machine Drawing

**Due date: 24 October 2025 at 17:00**

<b>Student Name 1:</b> Elias Joubert	<b>Student Name 2:</b> Alexander Hess
<b>Student Number 1:</b> 28178564	<b>Student Number 2:</b> 28123875

**Bearing A Designation (end cap):** 16005

**Bearing B Designation (base cover):** NU 1005

#### List of drawings

Drawing		Student Name
Title	Number	
SHAFT	1	ALEXANDER HESS
BRACKET ASSEMBLY	2	ALEXANDER HESS
END CAP	3	ELIAS JOUBERT
BASE COVER	4	ELIAS JOUBERT
BODY	5	ELIAS JOUBERT
DRIVE BODY ASSEMBLY	6	ALEXANDER HESS

**Plagiarism Declaration**

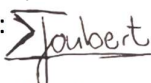
- I have read and understand the Stellenbosch University Policy on Plagiarism and the definitions of plagiarism and self-plagiarism contained in the Policy [Plagiarism: The use of the ideas or material of others without acknowledgement, or the re-use of one's own previously evaluated or published material without acknowledgement or indication thereof (self-plagiarism or text-recycling)].
- I also understand that direct translations are plagiarism, unless accompanied by an appropriate acknowledgement of the source. I also know that verbatim copy that has not been explicitly indicated as such, is plagiarism.
- I know that plagiarism is a punishable offence and may be referred to the University's Central Disciplinary Committee (CDC) who has the authority to expel me for such an offence.
- I know that plagiarism is harmful for the academic environment and that it has a negative impact on any profession.
- Accordingly, all quotations and contributions from any source whatsoever (including the internet) have been cited fully (acknowledged); further, all verbatim copies have been expressly indicated as such (e.g. through quotation marks) and the sources are cited fully.
- I declare that, except where a source has been cited, the work contained in this assignment is my own work and that I have not previously (in its entirety or in part) submitted it for grading in this module/assignment or another module/assignment.

**Team Member 1:**

Name: Elias Joubert

Student Number1: 28178565


Date: 21/10/2025

Signature: **Team Member 2:**

Name: Alexander Hess

Student Number: 28123875

Date: 21/10/2025

Signature: **Plagiaat Verklaring**

- Ek het die Stellenbosch Universiteit Plagiaatbeleid gelees en verstaan, sowel as die definisies van plagiaat en selfplagiaat soos beskryf in die Beleid [Plagiaat: Die gebruik van ander se idees of materiaal sonder erkenning, of die hergebruik van 'n persoon se eie voorheen geëvalueerde of gepubliseerde materiaal sonder erkenning of 'n aanduiding daarvan (selfplagiaat of tekshergebruik)].
- Ek verstaan ook dat direkte vertalings plagiaat is, tensy vergesel deur 'n gepaste erkenning van die bron. Ek verstaan ook dat woordelike aanhalings wat nie uitdruklik as sodanig aangedui is nie, plagiaat is.
- Ek weet dat plagiaat 'n strafbare oortreding is en verwys mag word na die Universiteit se Sentrale Disiplinêre Komitee (SDK) wat die gesag het om my uit die universiteit te skors vir so 'n oortreding.
- Ek weet dat plagiaat skadelik is vir die akademiese omgewing en dat dit negatiewe impak het op enige professie.
- Dienooreenkomstig is alle aanhalings en bydraes vanuit enige bron (ingesluit die internet) volledig verwys (erken); verder, alle woordelike aanhalings is uitdruklik as sodanig aangedui (bv met aanhalingstekens) en die bronne is volledig erken.
- Ek verklaar dat, behalwe waar die bron aangehaal word, die werk in hierdie skryfstuk vervat my eie oorspronklike werk is en dat ek dit nie vantevore (in die geheel of gedeeltelik) ingehandig het vir bepunting in hierdie module/werkstuk of 'n ander module/werkstuk nie.

**Spanlid 1:**

Naam:

Studentenommer:

Datum:

Handtekening:

**Spanlid 2:**

Naam:

Studentenommer:

Datum:

Handtekening: