

University of Birmingham Assessment and Feedback

Section One:

Reflecting on the feedback that I have received on previous assessments, the following issues/topics have been identified as areas for improvement:

- Relevance of content
- Structure of content

Section Two:

In this assignment, I have attempted to act on previous feedback in the following ways:

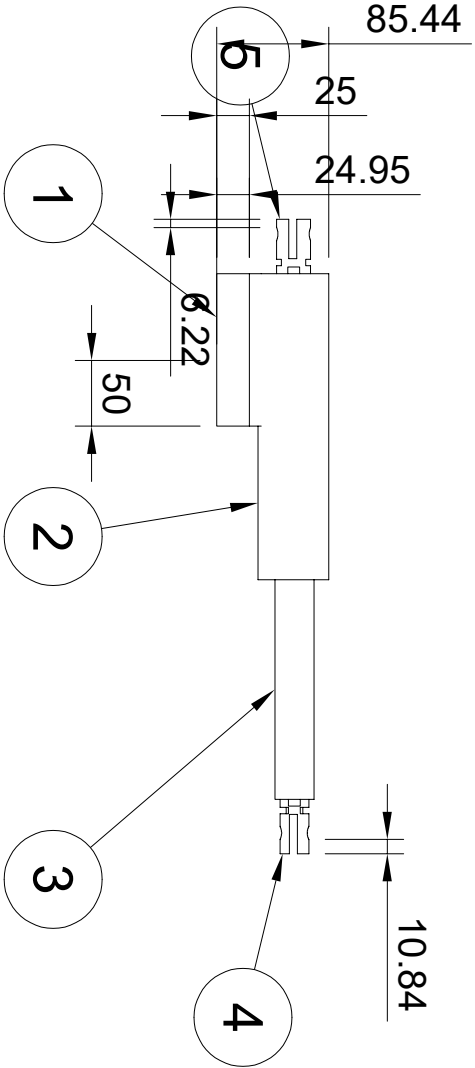
- Staying within the constraints of the question
- Maintaining proper dimensions
- Maintaining a clear and easy-to-follow structure

Section Three:

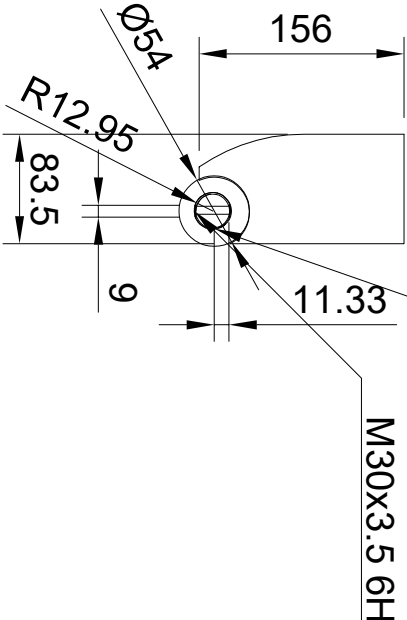
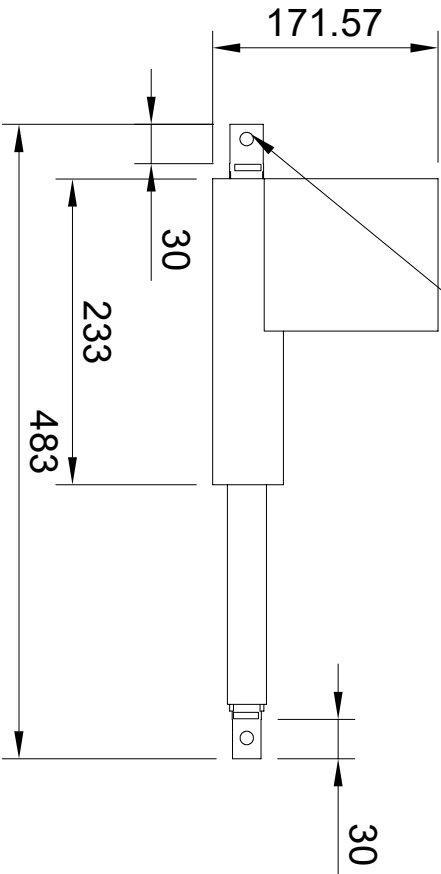
Feedback on the following aspects of this assignment (i.e. content/style/approach) would be particularly helpful to me:

- Approach towards structuring the assignment
- How to increase my efficiency

Parts List			
Item	Qty	Part Number	Material
1	1	Housing	Steel
2	1	Housing 1	Steel
3	1	Piston Rod	Steel
4	1	Front Fixture	Steel
5	1	Back Fixture	Steel



2x Ø10.2 x 38

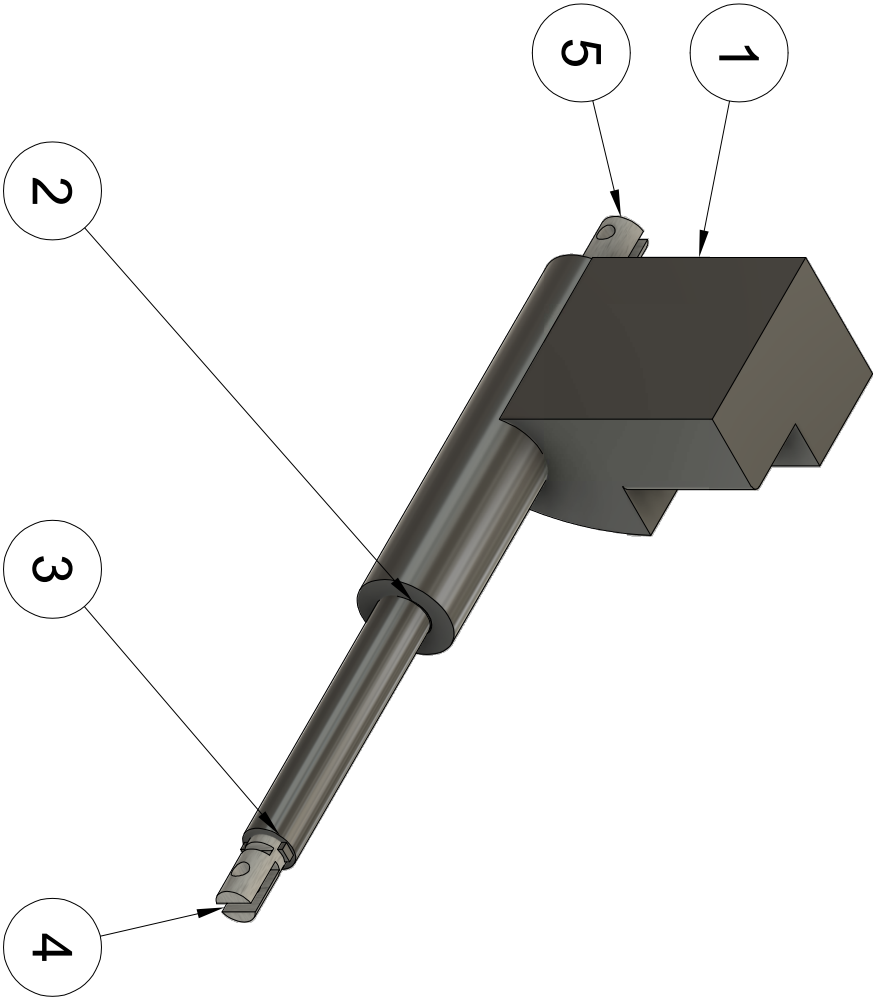


M30x3.5 6g x 233

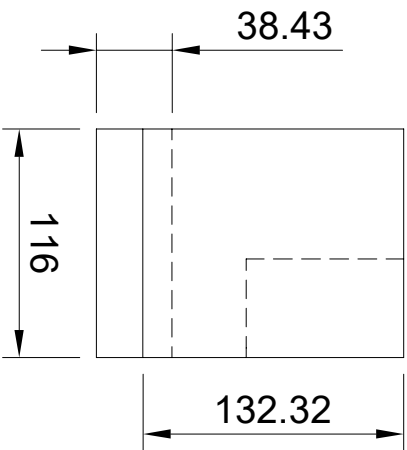
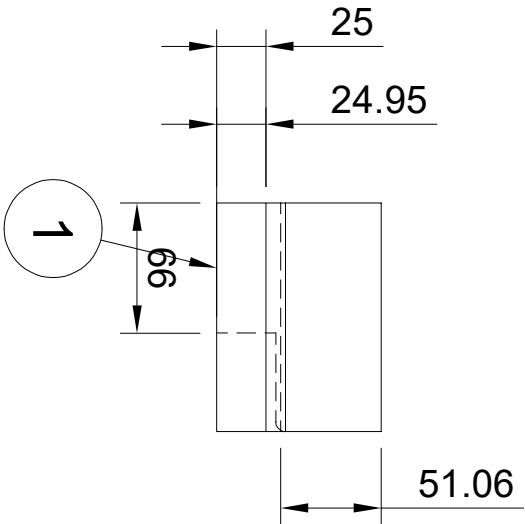
M30x3.5 6H

Dept.	Technical reference	Created by	Approved by
		Zoya Bari	20/12/2024
Document type	Document status	Title	
		Orthographic Projection Of Linear Actuator	
DWG No.	Document status	Rev.	Date of issue
Sheet	1/1		

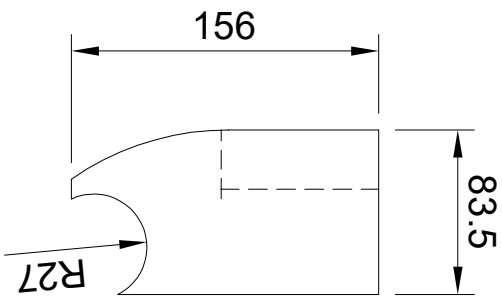
Parts List			
Item	Qty	Part Number	Material
1	1	Housing	Steel
2	1	Housing 1	Steel
3	1	Piston Rod	Steel
4	1	Front Fixture	Steel
5	1	Back Fixture	Steel



Dept.	Technical reference	Created by	Approved by		
		Zoya Bari	20/12/2024		
	Document type	Isometric Projection Of Linear Actuator	Document status		
			DWG No.		
	Title				
	Rev.		Date of issue	Sheet	
				1/1	

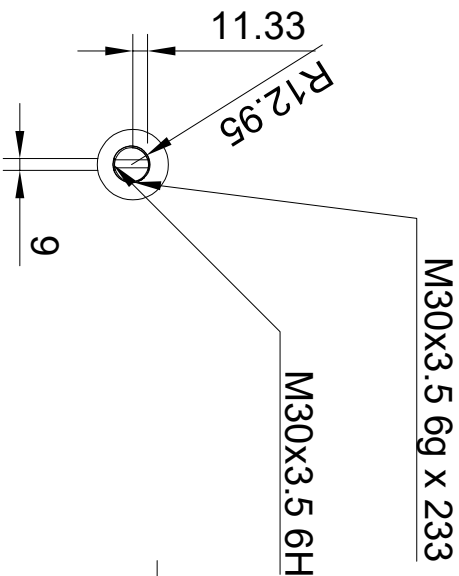
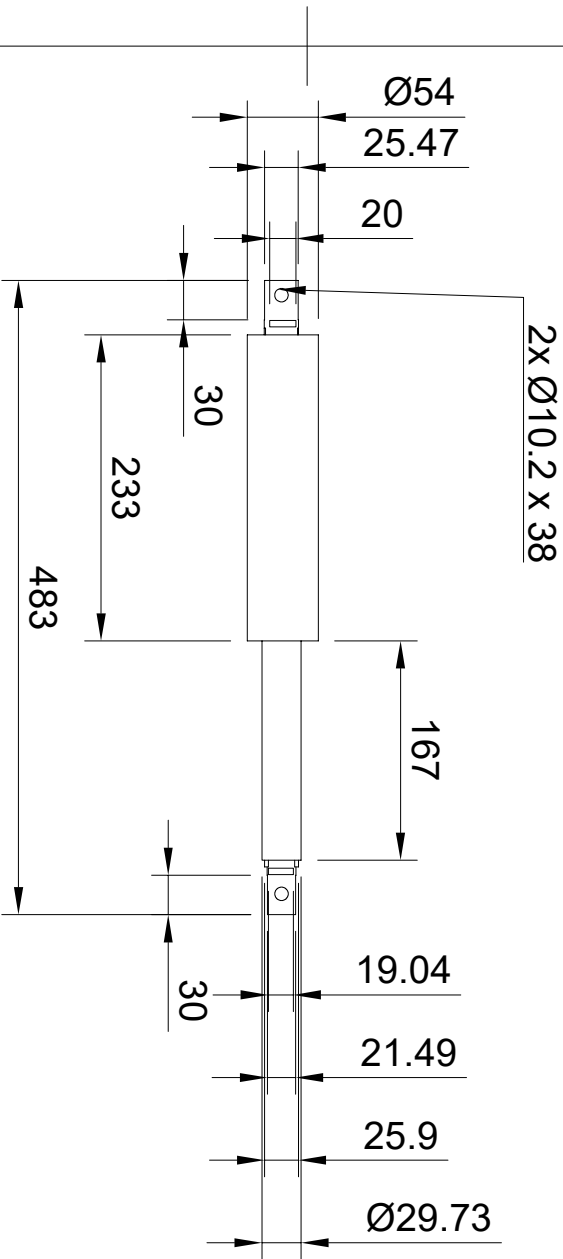
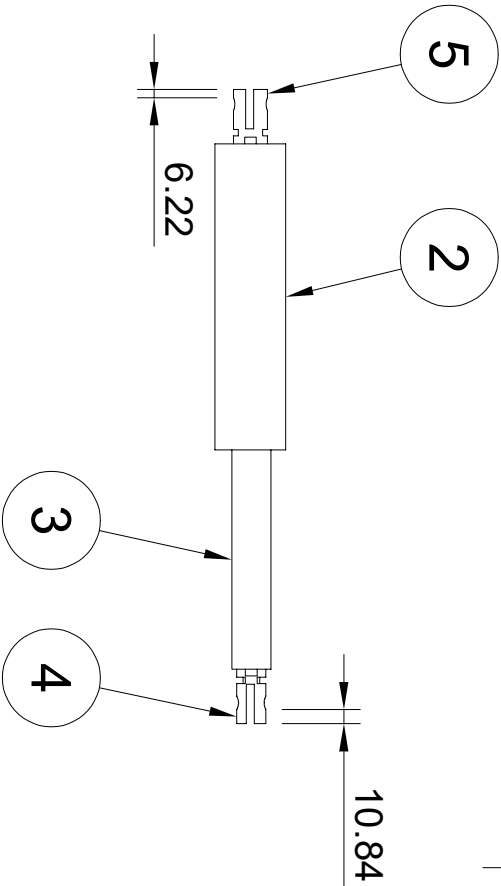


Parts List			
Item	Qty	Part Number	Material
1	1	Housing	Steel



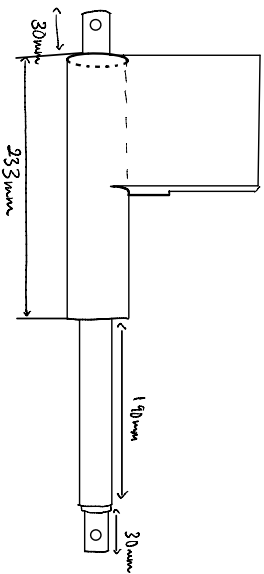
Dept.	Technical reference	Created by	Approved by
		Zoya Bari	20/12/2024
		Document type	Document status
		Title	DWG No.
		Orthographic Projection Of Motor Housing	
		Rev.	Date of issue
			Sheet
			1/1

Parts List			
Item	Qty	Part Number	Material
2	1	Housing 1	Steel
3	1	Piston Rod	Steel
4	1	Front Fixture	Steel
5	1	Back Fixture	Steel

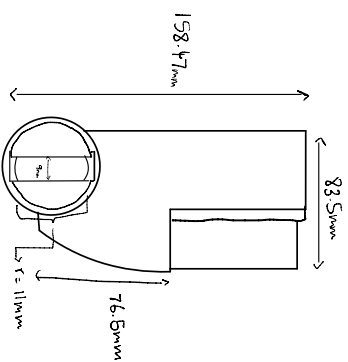


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				Zoya Bari	20/12/2024		
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		Title		DWG No.			
		Orthographic Projection Of Piston Rod					
		Rev.		Date of issue		Sheet	
						1/1	

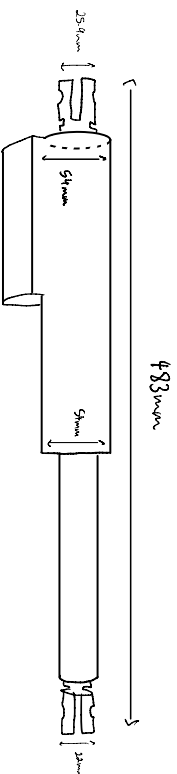
BOYA BARI
2720637
General Dimensioning Hand Sketch



FRONT VIEW



RIGHT VIEW



TOP VIEW

The design I made emphasises on functionality, efficiency and simplicity featuring the main essential 5 components. It is versatile with clear geometric design and dimensions, however, can do with some improvement. Ergonomic improvements such as rounding off the housing edges can help make the tool safer and aesthetically appealing, use of other metal coatings and colours can aid to that too. It can also have some custom bolts and mounting points making it easier to attach onto specific panels, as well as interchangeable stroke lengths which can increase its overall accessibility. The display of motors and gears in this design would also help improve an observer understanding of the machine. These improvements would maintain the design's straightforward and cost-effective nature while making it more inclusive, user-centred, and adaptable across a range of applications.