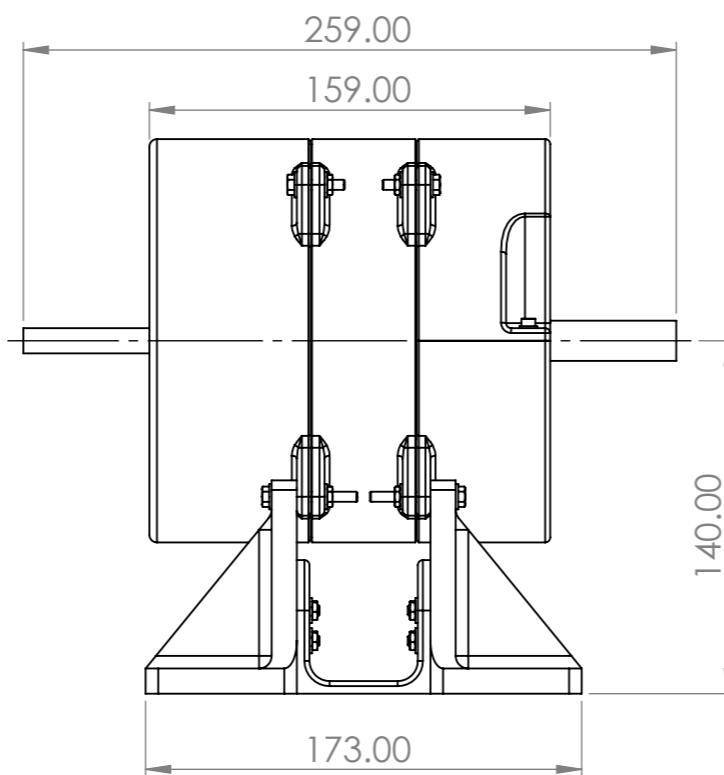
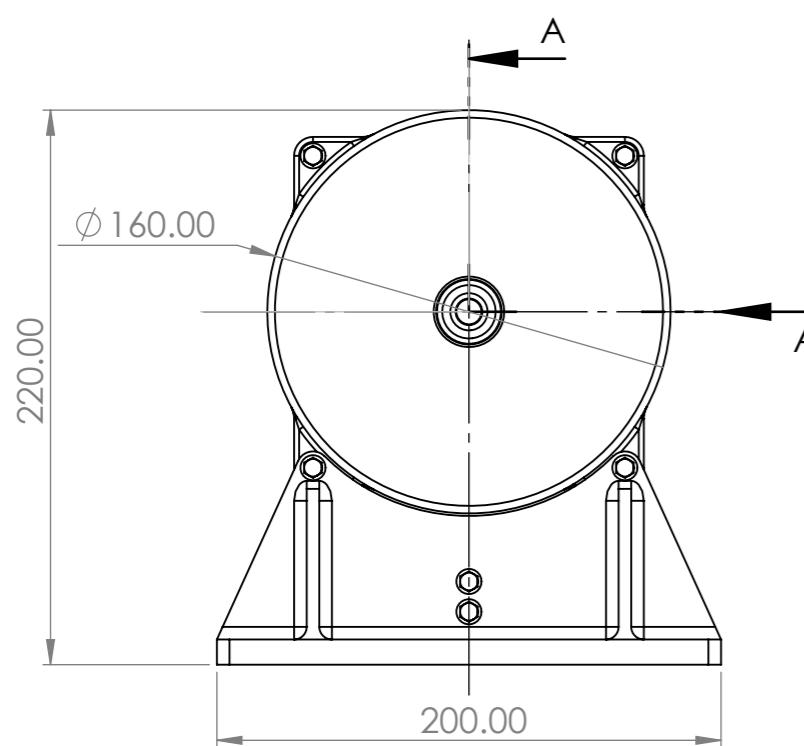
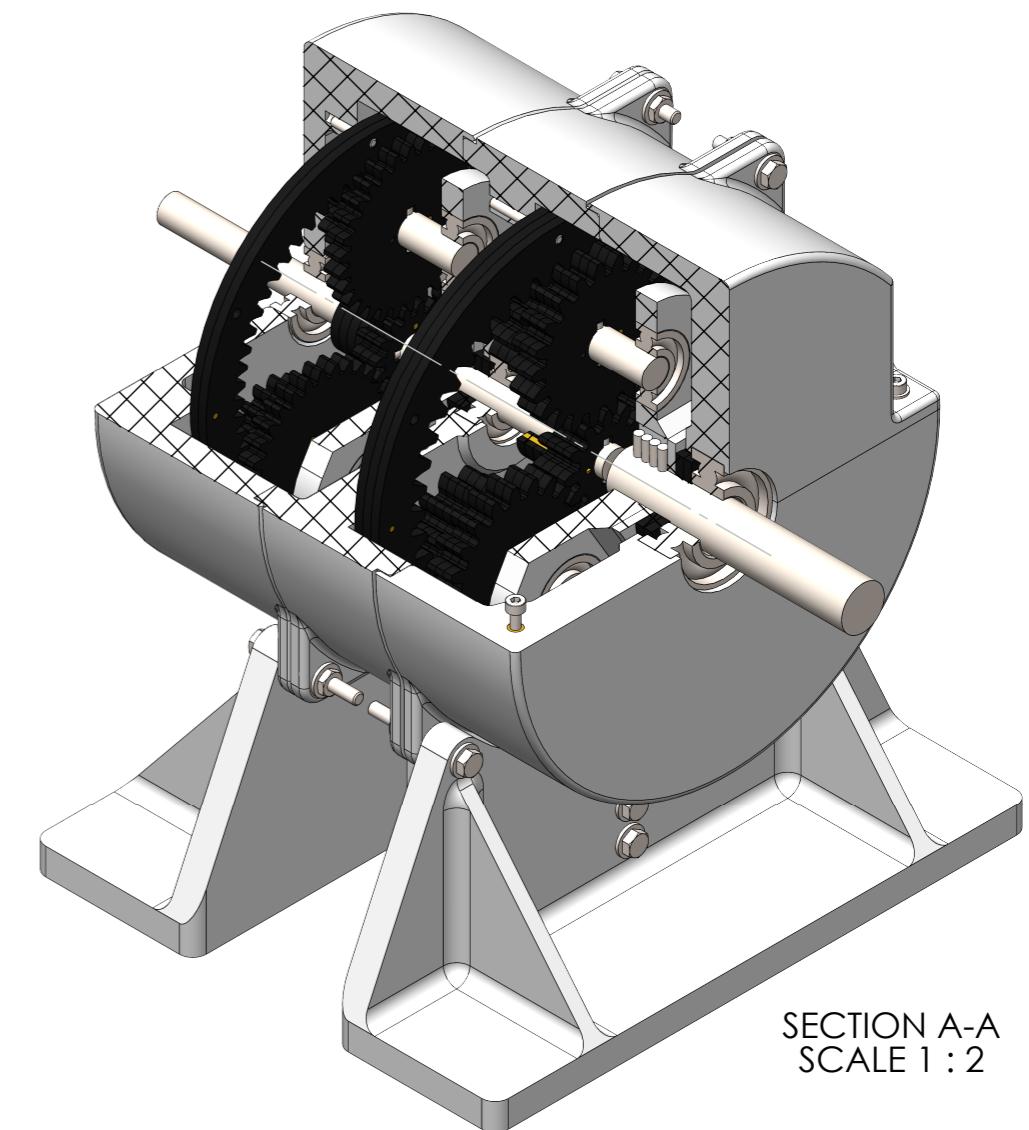
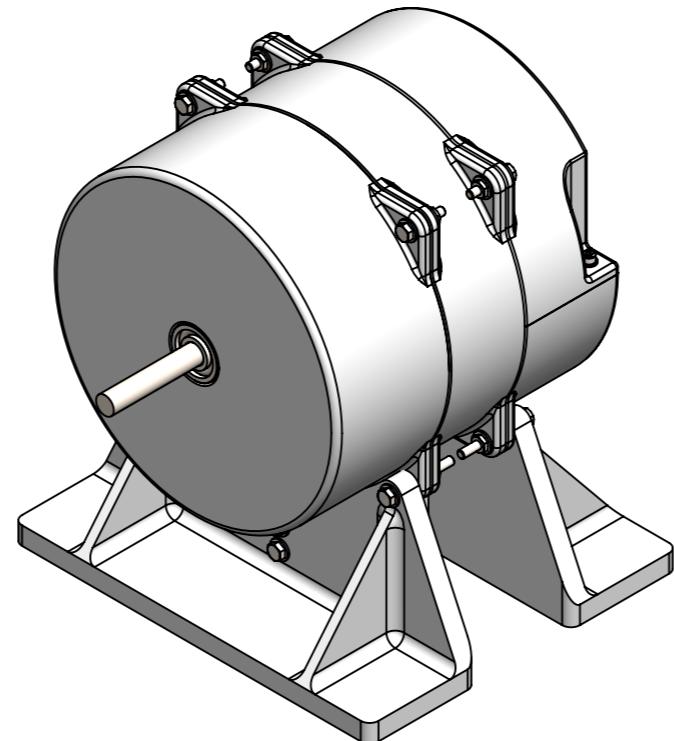
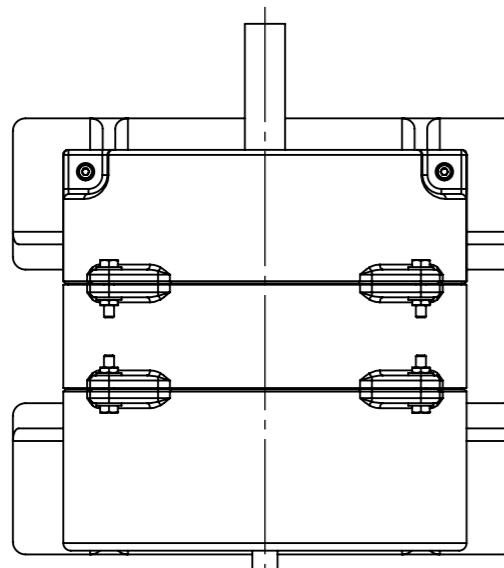


## Two Stage Compound Planetary Gear Box

Reduction: 65.143

Rated Output Torque: 20 Nm



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:		FINISH:			DEBURR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING	REVISION
DRAWN	NAME Adam Telfer	SIGNATURE	DATE 18/10/25			TITLE: <h1>Planetary Gearbox</h1>	
CHK'D							
APPV'D							
MFG							
Q.A			MATERIAL:		DWG NO.	A-01	A3
					SCALE:1:3	SHEET 1 OF 5	
			WEIGHT:				

8

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6

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### Subassembly Drawings

Drawing the different subassemblies and their parts are separated into letter coded sections.

A-03 to A-05: Front, Middle and Rear Section assemblies

B: Front Housing

C: Middle Housing & Housing Alignment Rod

D: Rear Housing

E: Stage 1 Carrier

F: Stage 2 Carrier

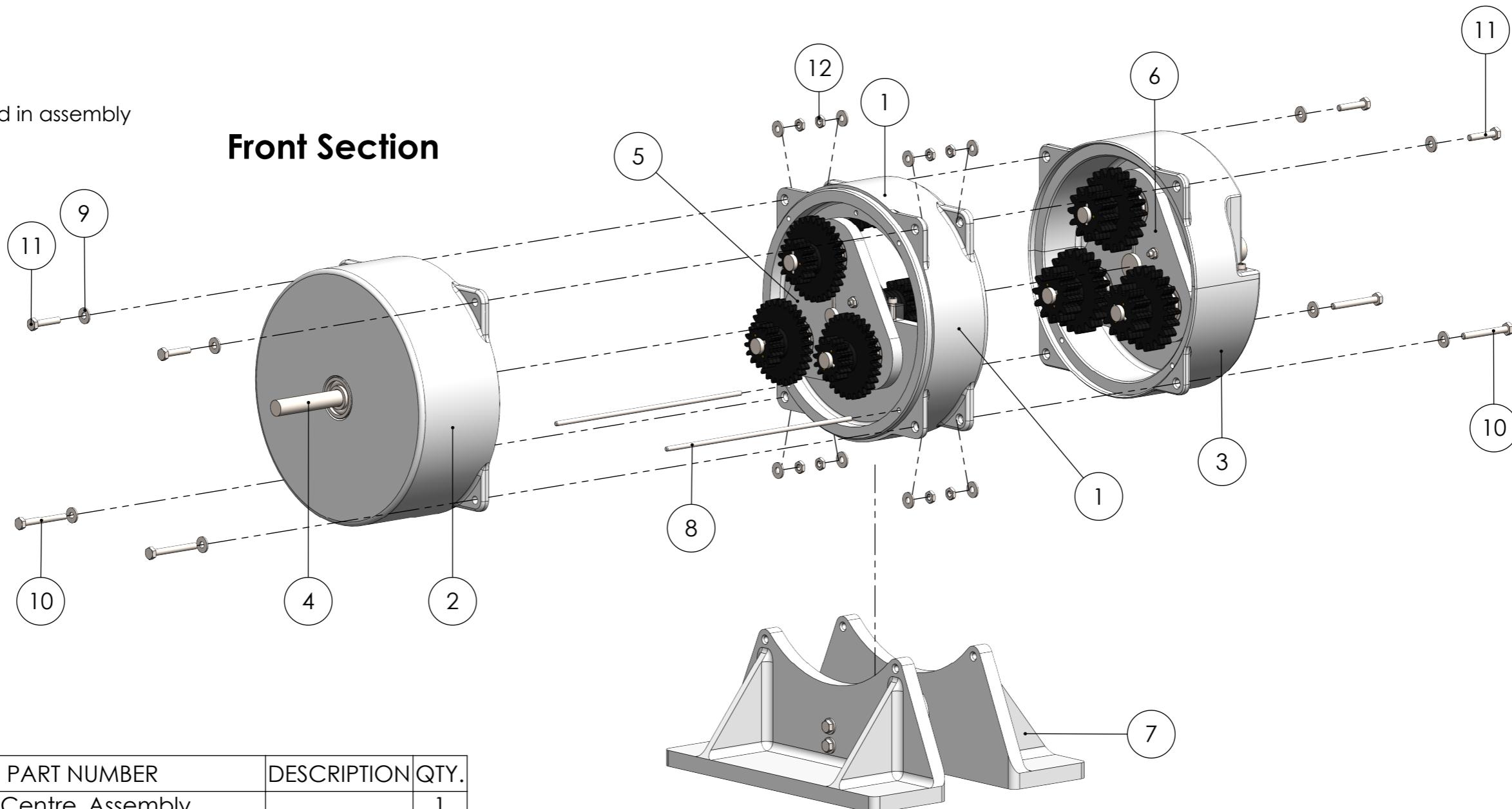
G: Stand

H: Other Parts, used in assembly

### Middle Section

### Rear Section

### Front Section



### Stand

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Housing_Centre_Assembly		1
2	Housing_Front_Assembly		1
3	Housing_Back_Assembly		1
4	Sun_Gear_Stage_1_Subassembly		1
5	Carrier_Stage_1		1
6	Carrier_Stage_2		1
7	Stand_Assembly		1
8	Housing_Alignment_Rod		2
9	ISO 10669-4-N		16
10	ISO 4015 - M4 x 35 x 14-N		4
11	ISO 4015 - M4 x 20 x 14-N		4
12	ISO - 4035 - M4 - N		8

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:		FINISH:		DEBURR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING		REVISION
DRAWN	NAME	SIGNATURE	DATE				
CHK'D							
APP'D							
MFG							
Q.A.							
MATERIAL:				DWG NO.		TITLE:	
						Gearbox Assembly Instructions	
						A-02	
						A3	
WEIGHT:				SCALE:1:3		SHEET 2 OF 5	

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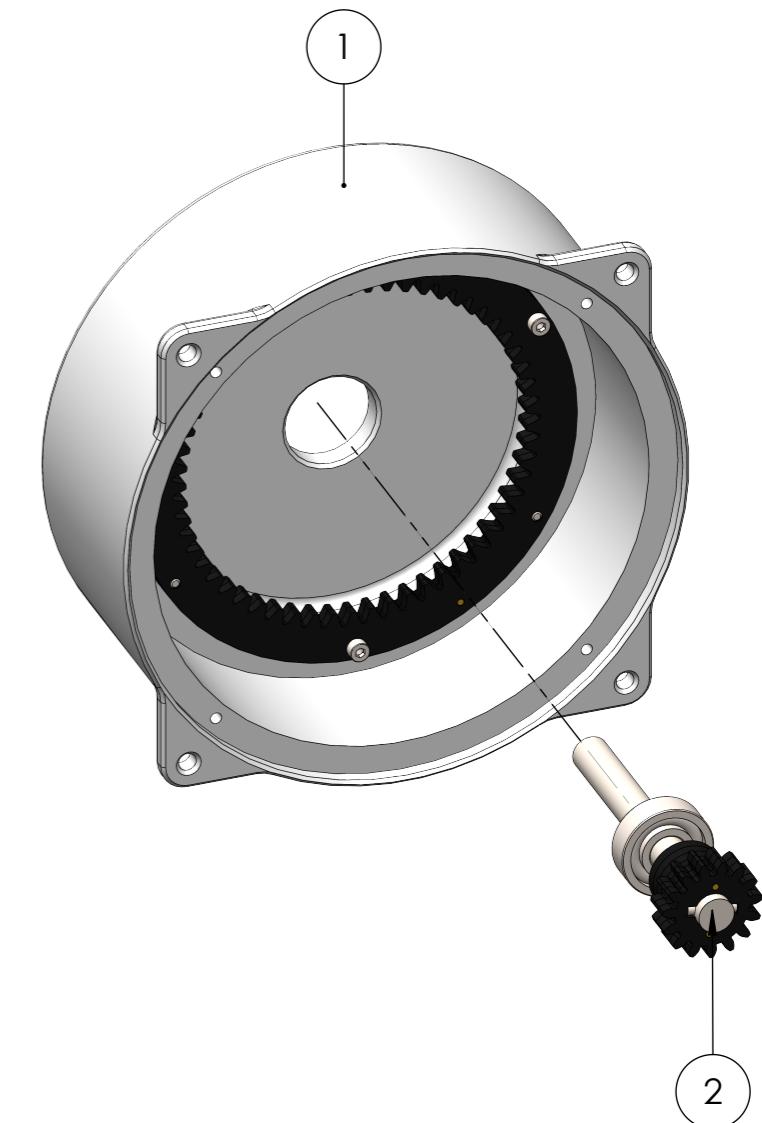
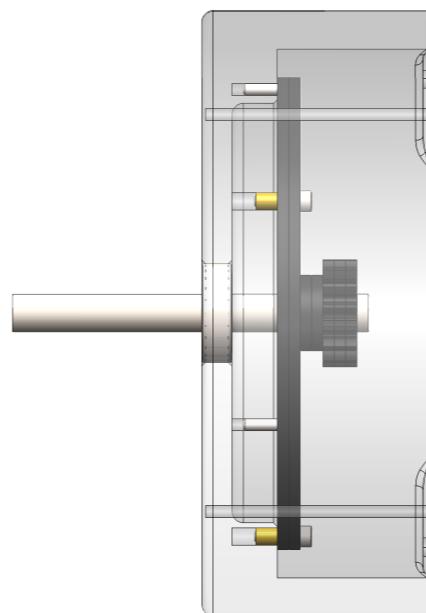
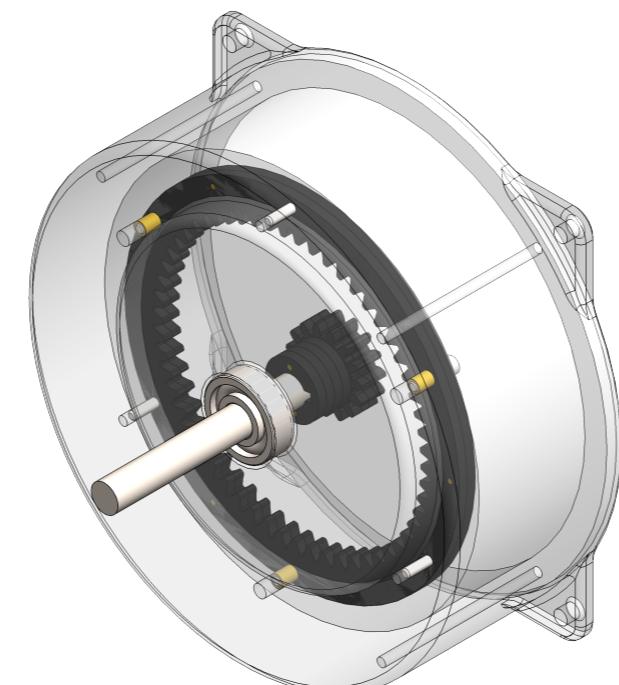
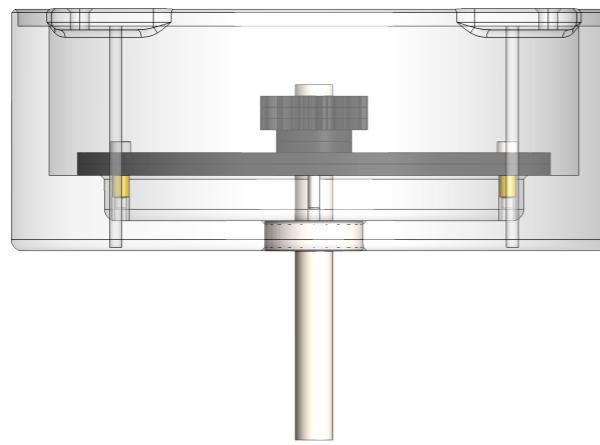
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### Notes

Bearing faces are flush with housing faces

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS  
SURFACE FINISH:  
TOLERANCES:  
LINEAR:  
ANGULAR:

FINISH:

DEBURR AND  
BREAK SHARP  
EDGES

DO NOT SCALE DRAWING

REVISION

	NAME	SIGNATURE	DATE	
DRAWN	Adam Telfer		18/10/25	
CHK'D				
APP'D				
MFG				
Q.A				

TITLE:

Front Section  
Assembly

A-03

A3

MATERIAL:	DWG NO.
	SCALE:1:2
WEIGHT:	SHEET 3 OF 5

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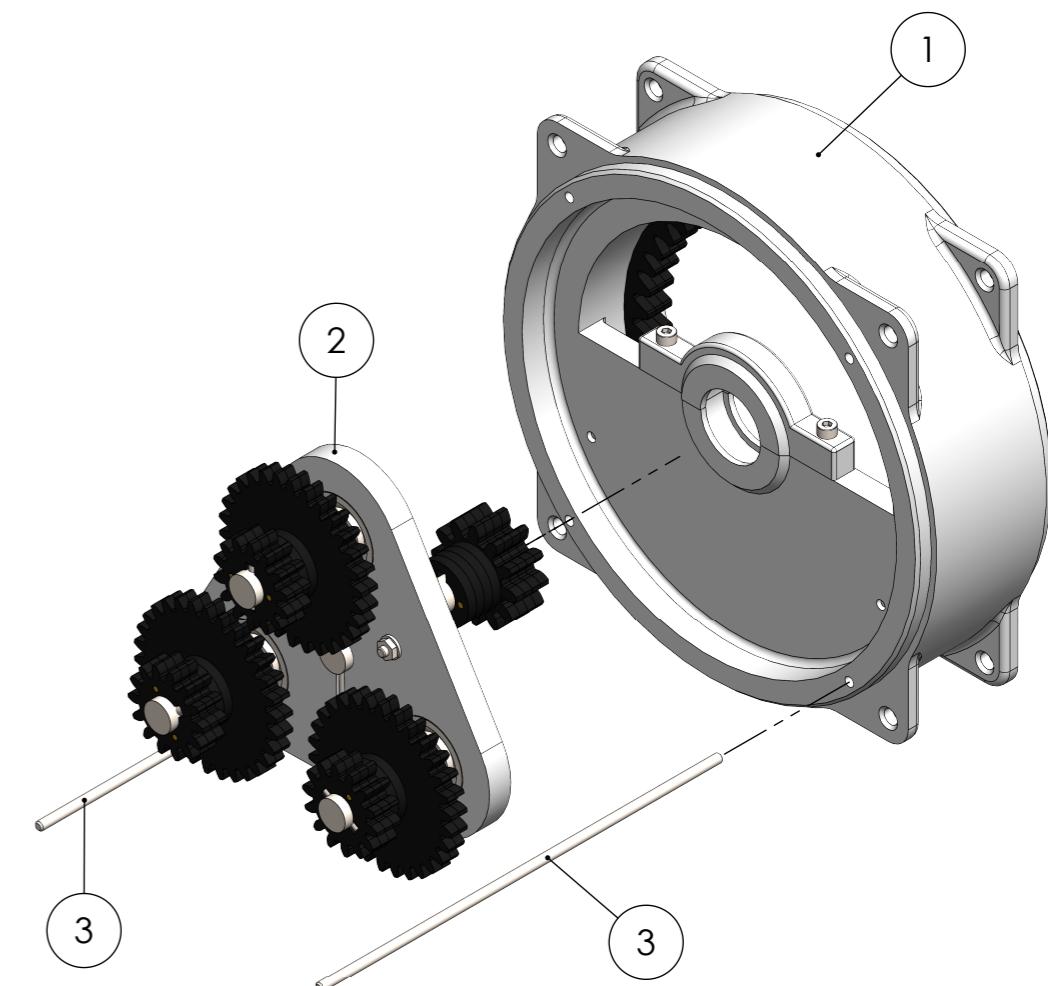
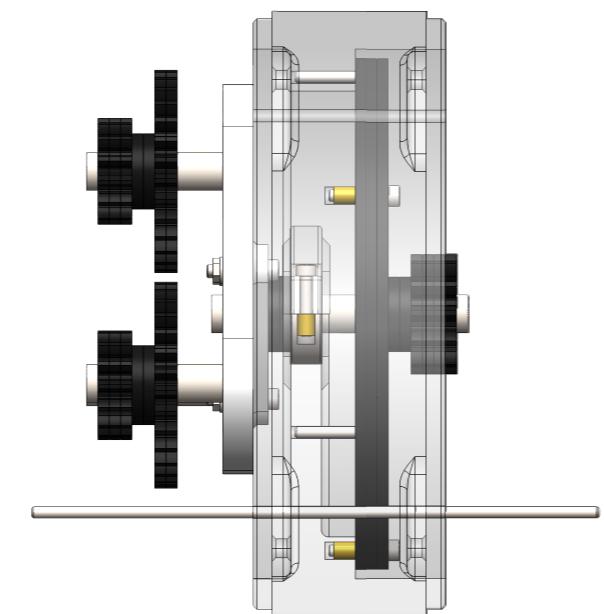
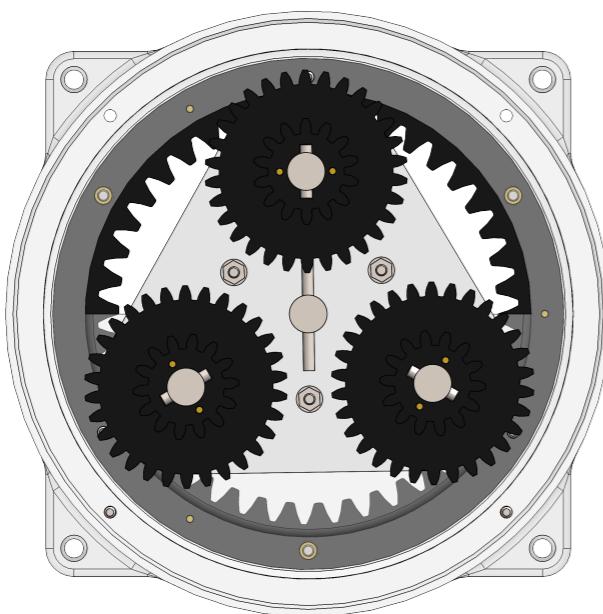
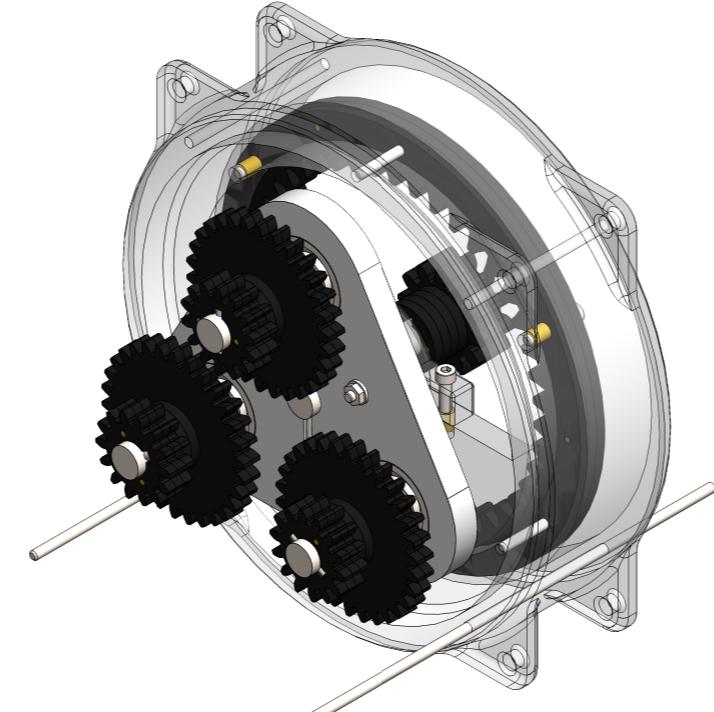
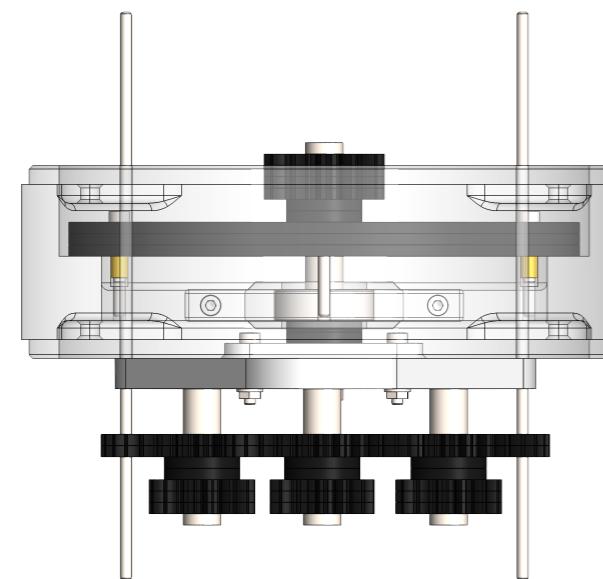
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### Notes

Alignment rod exact position isn't critical, they will be positioned when housing sections are assembled.

Planet gears must be aligned as shown for assembly.

The gear tooth aligned with the key on the larger gear (gear is symmetric so either side is fine) points to the centre of carrier.

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS  
SURFACE FINISH:  
TOLERANCES:  
LINEAR:  
ANGULAR:

	NAME	SIGNATURE	DATE
DRAWN	Adam Telfer		18/10/25
CHK'D			
APP'D			
MFG			
Q.A			

FINISH:

DEBURR AND  
BREAK SHARP  
EDGES

DO NOT SCALE DRAWING

REVISION

Middle Section  
Assembly

A-04

A3

SHEET 4 OF 5

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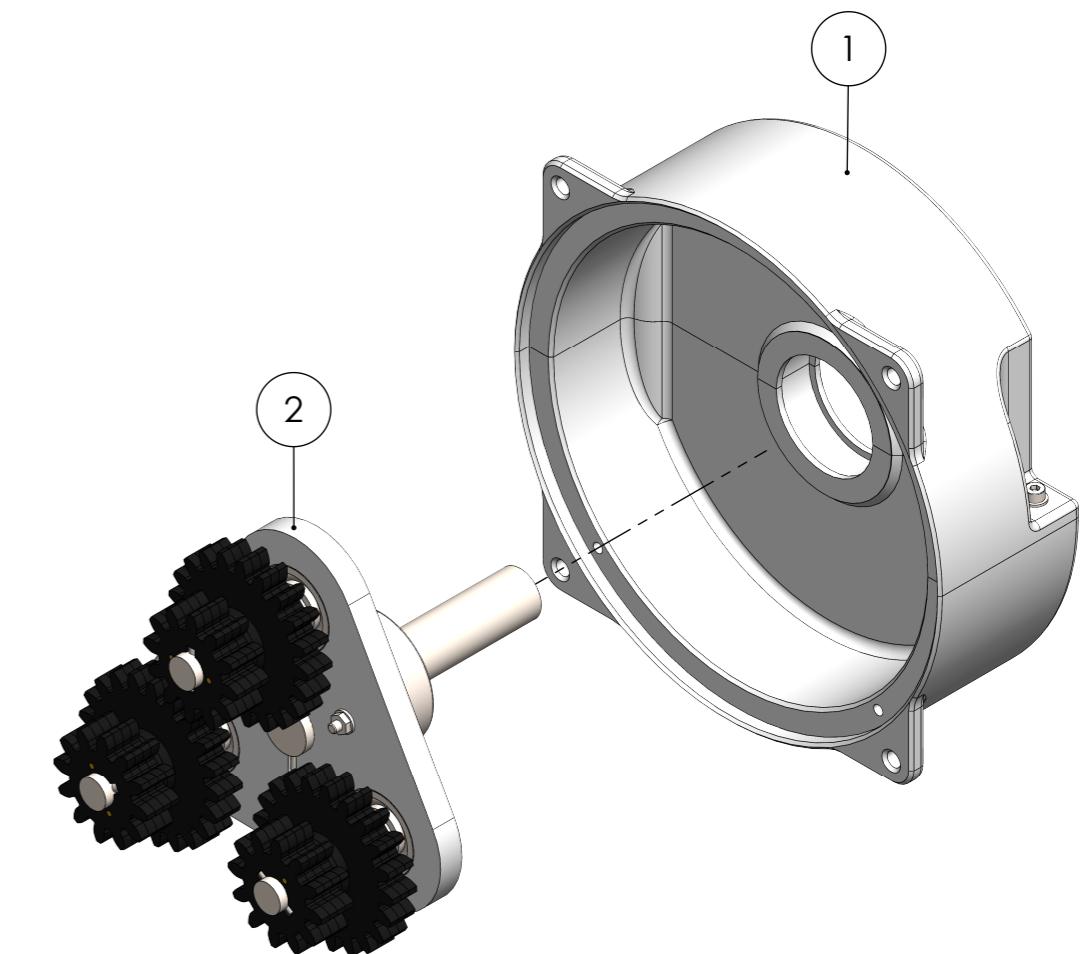
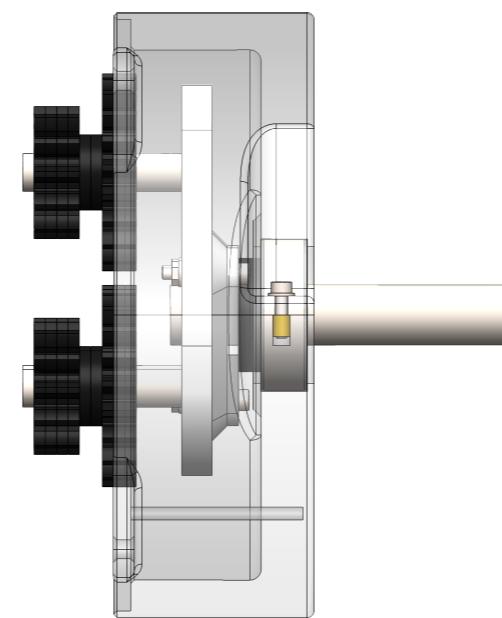
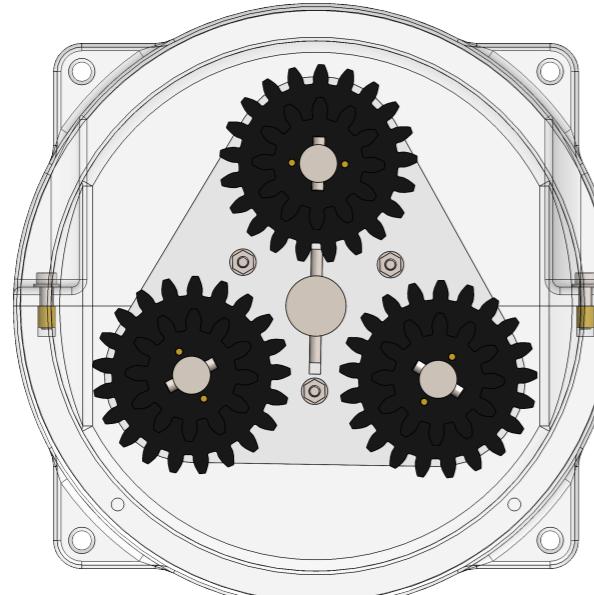
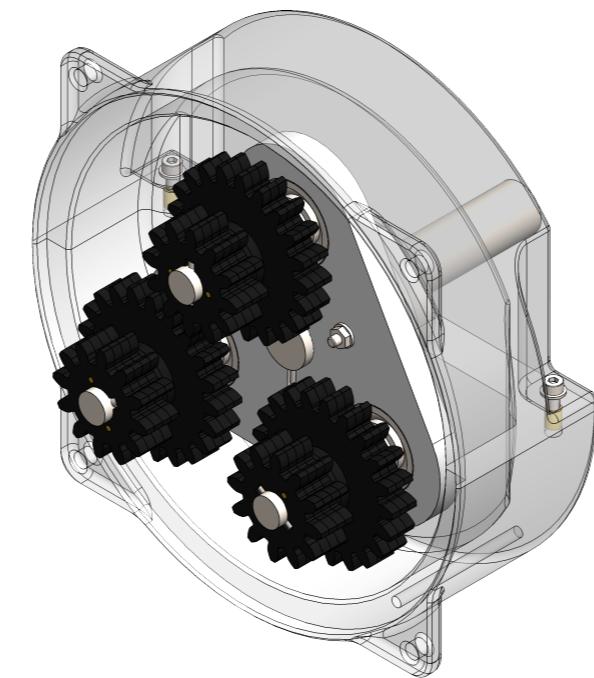
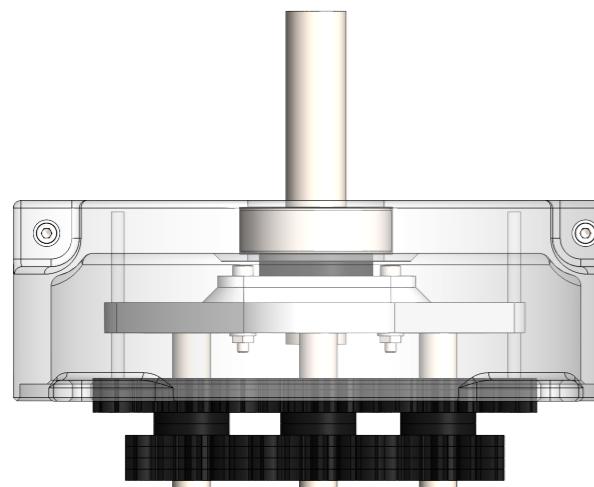
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F



### Notes

Planet gears must be aligned as shown for assembly.

The gear tooth gap aligned with the key on the larger gear points to the centre of the carrier

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS  
SURFACE FINISH:  
TOLERANCES:  
LINEAR:  
ANGULAR:

DRAWN	NAME	SIGNATURE	DATE	
CHK'D			18/10/25	
APP'D				
MFG				
Q.A				