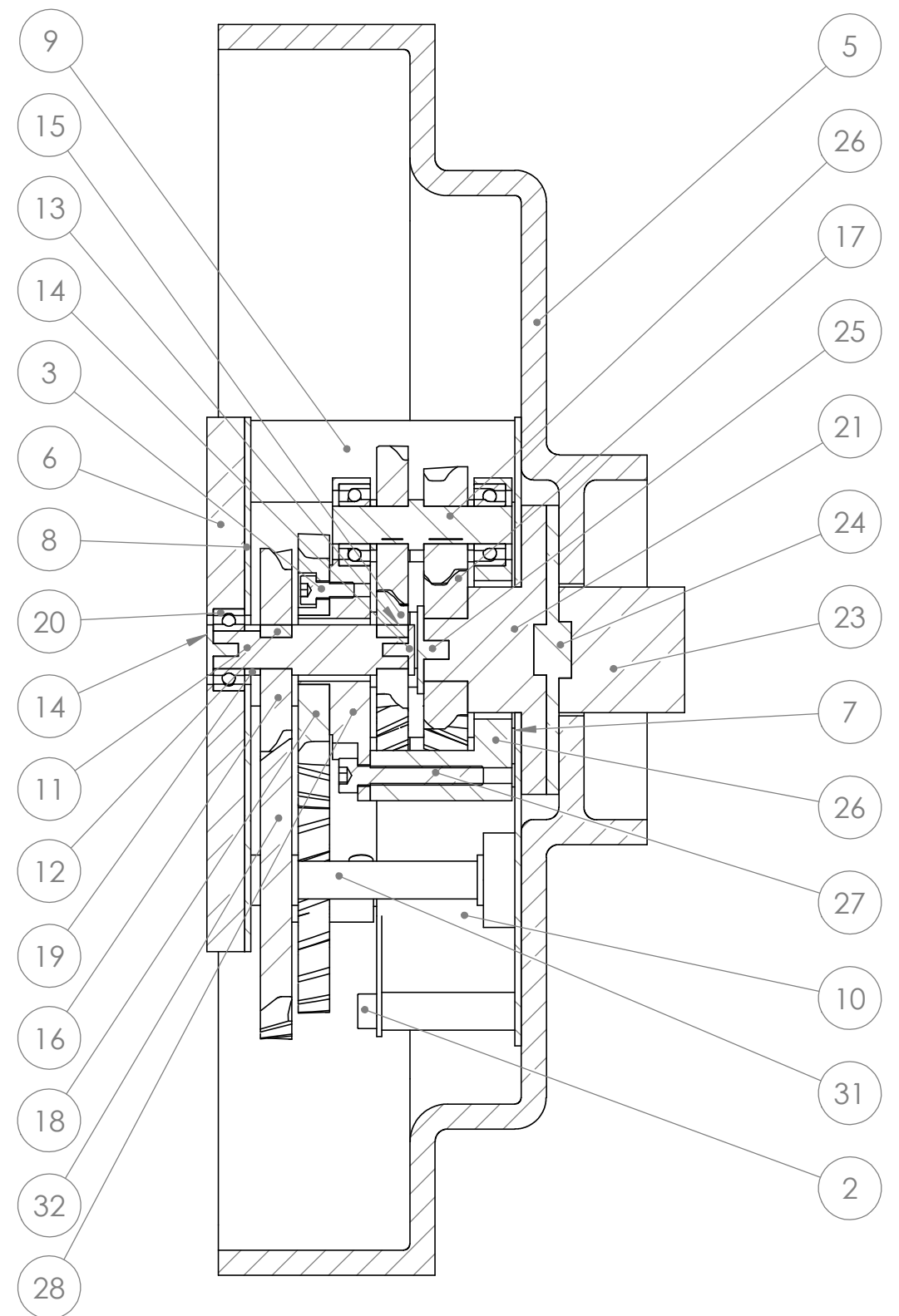


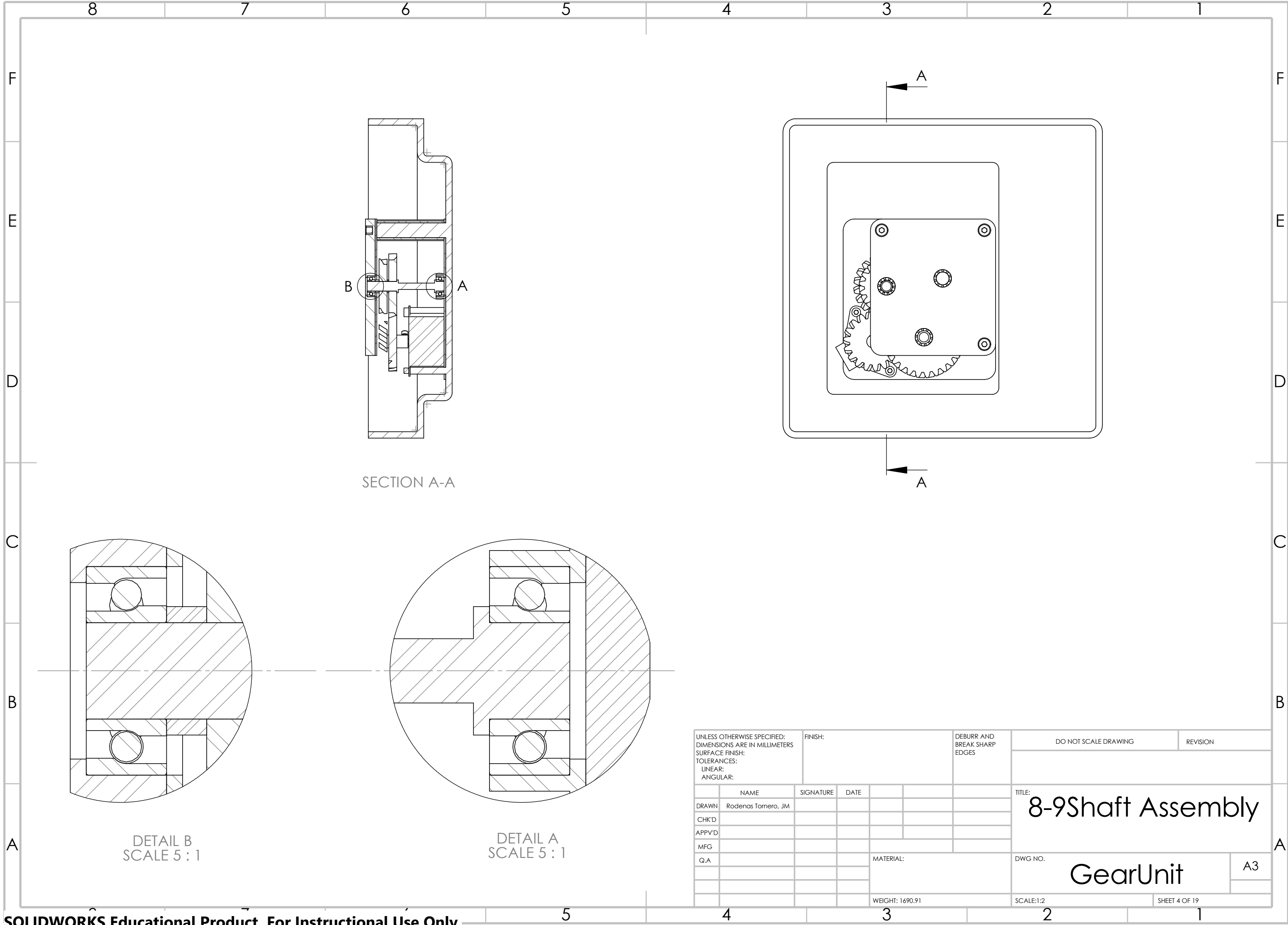
ITEM NO.	PART NUMBER	Material	Default/ QTY.
1	ISO 4762 M4 x 25 - 25N	Steel	3
2	ISO 4762 M3 x 12 - 12N	Steel	2
3	ISO 4762 M2.5 x 6 - 6N	Steel	3
4	ISO 4762 M3 x 20 - 20N	Steel	3
5	EnclosureBox	Polycarbonate	1
6	BearingsBoxCover	C25 Tempered	1
7	EnclosureBoxCover	C25 Tempered	1
8	BearingsBox	C25 Tempered	1
9	Cylinder1	C25 Tempered	3
10	ElectricMotor	Subassembly	1
11	2-6Shaft	C25 Tempered	1
12	6GearKey	C25 Tempered	1
13	2GearKey	C25 Tempered	1
14	ShaftCover	C25 Tempered	2
15	ISO - RH Helical gear 1M 15T 25HA 20PA 5FW ---15A75H50L6.0S1	C45 Induction Hardening	1
16	ISO - RH Helical gear 1.5M 16T 35HA 20PA 5FW ---16A75H50L6.0S1	C45 Induction Hardening	1
17	ISO - LH Helical gear 1M 21T 25HA 20PA 7FW ---21A75H50L10.0S1	C45 Induction Hardening	1
18	ISO - LH Helical gear 1.75M 18T 20HA 20PA 5FW ---18A75H50L11.0N	C45 Induction Hardening	1
19	Ring2	C25 Tempered	1
20	ISO 15 RBB - 286 - 10,DE,NC,10_68	Steel	3
21	5Shaft	C25 Tempered	1
22	5GearKey	C25 Tempered	1
23	OutputShaft	C25 Tempered	1
24	OldhamCoupling	C25 Tempered	1
25	Shaft5Cover	C25 Tempered	1
26	Shaft3-4	Subassembly	3
27	ArmGears2	C25 Tempered	1
28	ArmGears	C25 Tempered	1
29	Shaft8-9	Subassembly	1
30	ISO 15 ABB - 286 - 10,DE,NC,10_68	Steel	2
31	Shaft11	Subassembly	1
32	Shaft7	Subassembly	1

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS		FINISH:		DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION	
SURFACE FINISH:									
TOLERANCES:									
LINEAR:									
ANGULAR:									
NAME		SIGNATURE		DATE				TITLE:	
DRAWN Rodenos Tornero, JM.								Exploded View	
CHK'D									
APPVD									
MFG									
Q.A.						MATERIAL:		DWG NO.	
								GearUnit	
						WEIGHT: 1690.91		SCALE:1:2	
								SHEET 2 OF 19	
								A2	

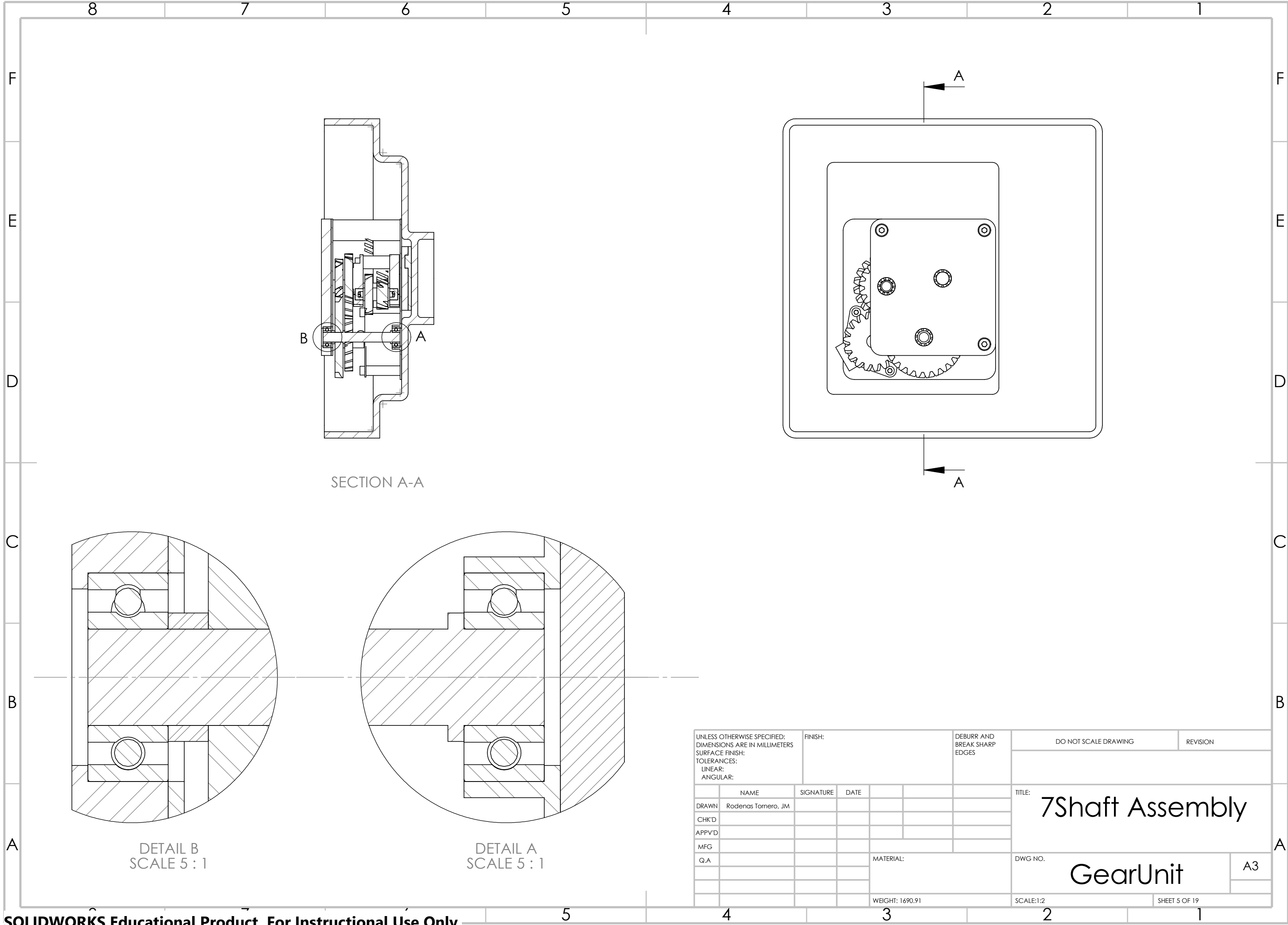
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	ITEM NO.	PART NUMBER	Material	Default/QTY.
F	1	ISO 4762 M4 x 25 - 25N	Steel	3
	2	ISO 4762 M3 x 12 - 12N	Steel	2
	3	ISO 4762 M2.5 x 6 - 6N	Steel	3
	4	ISO 4762 M3 x 20 - 20N	Steel	3
	5	EnclosureBox	Polycarbonate	1
E	6	BearingsBoxCover	C25 Tempered	1
	7	EnclosureBoxCover	C25 Tempered	1
	8	BearingsBox	C25 Tempered	1
	9	Cylinder1	C25 Tempered	3
	10	ElectricMotor	Subassembly	1
	11	2-6Shaft	C25 Tempered	1
	12	6GearKey	C25 Tempered	1
	13	2GearKey	C25 Tempered	1
	14	ShaftCover	C25 Tempered	2
D	15	ISO - RH Helical gear 1M 15T 25HA 20PA 5FW ---15A75H50L6.0S1	C45 Induction Hardening	1
	16	ISO - RH Helical gear 1.5M 16T 35HA 20PA 5FW --- 16A75H50L6.0S1	C45 Induction Hardening	1
	17	ISO - LH Helical gear 1M 21T 25HA 20PA 7FW ---21A75H50L10.0S1	C45 Induction Hardening	1
	18	ISO - LH Helical gear 1.75M 18T 20HA 20PA 5FW ---18A75H50L11.0N	C45 Induction Hardening	1
C	19	Ring2	C25 Tempered	1
	20	ISO 15 RBB - 286 - 10,DE,NC,10_68	Steel	3
	21	5Shaft	C25 Tempered	1
	22	5GearKey	C25 Tempered	1
	23	OutputShaft	C25 Tempered	1
	24	OldhamCoupling	C25 Tempered	1
	25	Shaft5Cover	C25 Tempered	1
	26	Shaft3-4	Subassembly	3
B	27	ArmGears2	C25 Tempered	1
	28	ArmGears	C25 Tempered	1
	29	Shaft8-9	Subassembly	1
	30	ISO 15 ABB - 286 - 10,DE,NC,10_68	Steel	2
	31	Shaft11	Subassembly	1
	32	Shaft7	Subassembly	1



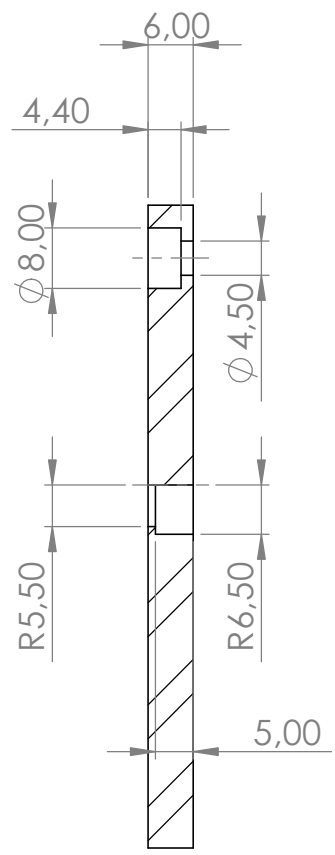
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	NAME	SIGNATURE	DATE			TITLE: <h1>Assembly</h1>			
DRAWN	Rodenas Tornero, JM								
CHK'D									
APPV'D									
MFG									
Q.A				MATERIAL:		DWG NO.		<h1>GearUnit</h1>	
				WEIGHT: 1690.91		SCALE:1:1		SHEET 3 OF 19	



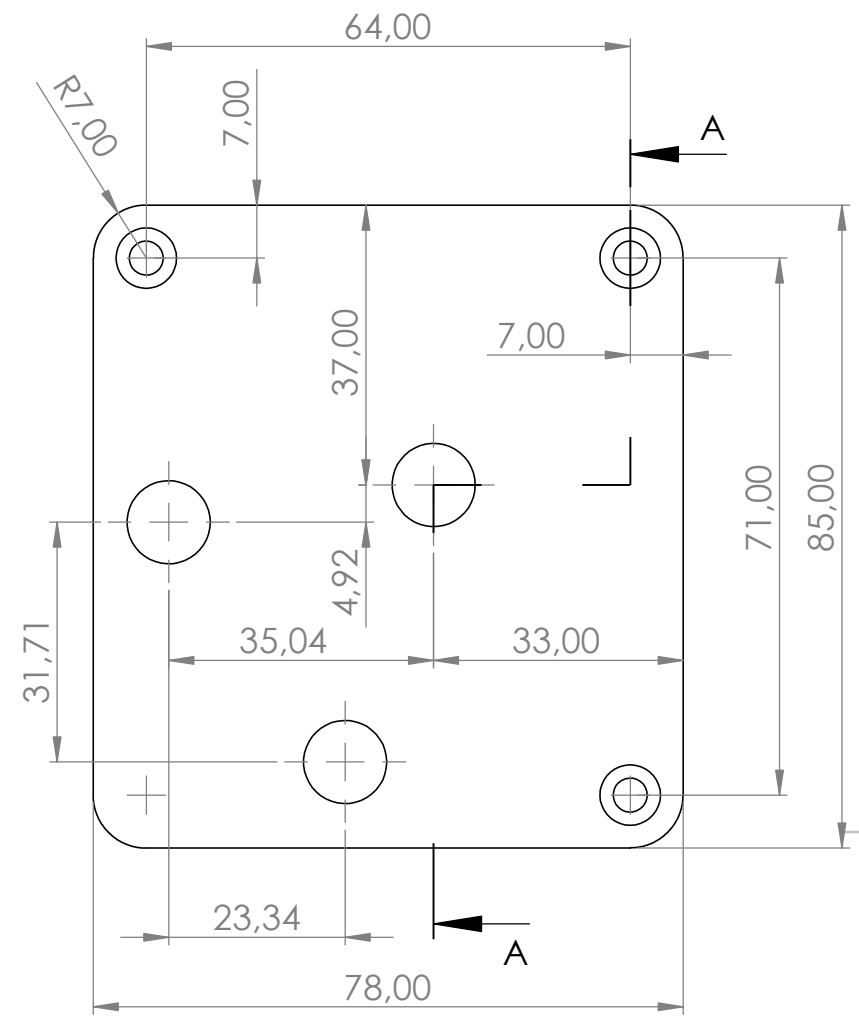
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	NAME	SIGNATURE	DATE				TITLE: 8-9Shaft Assembly		
DRAWN	Rodenas Tornero, JM								
CHK'D							DWG NO. GearUnit		
APPV'D									
MFG							A3		
Q.A									
							SCALE:1:2		
						WEIGHT: 1690.91	SHEET 4 OF 19		



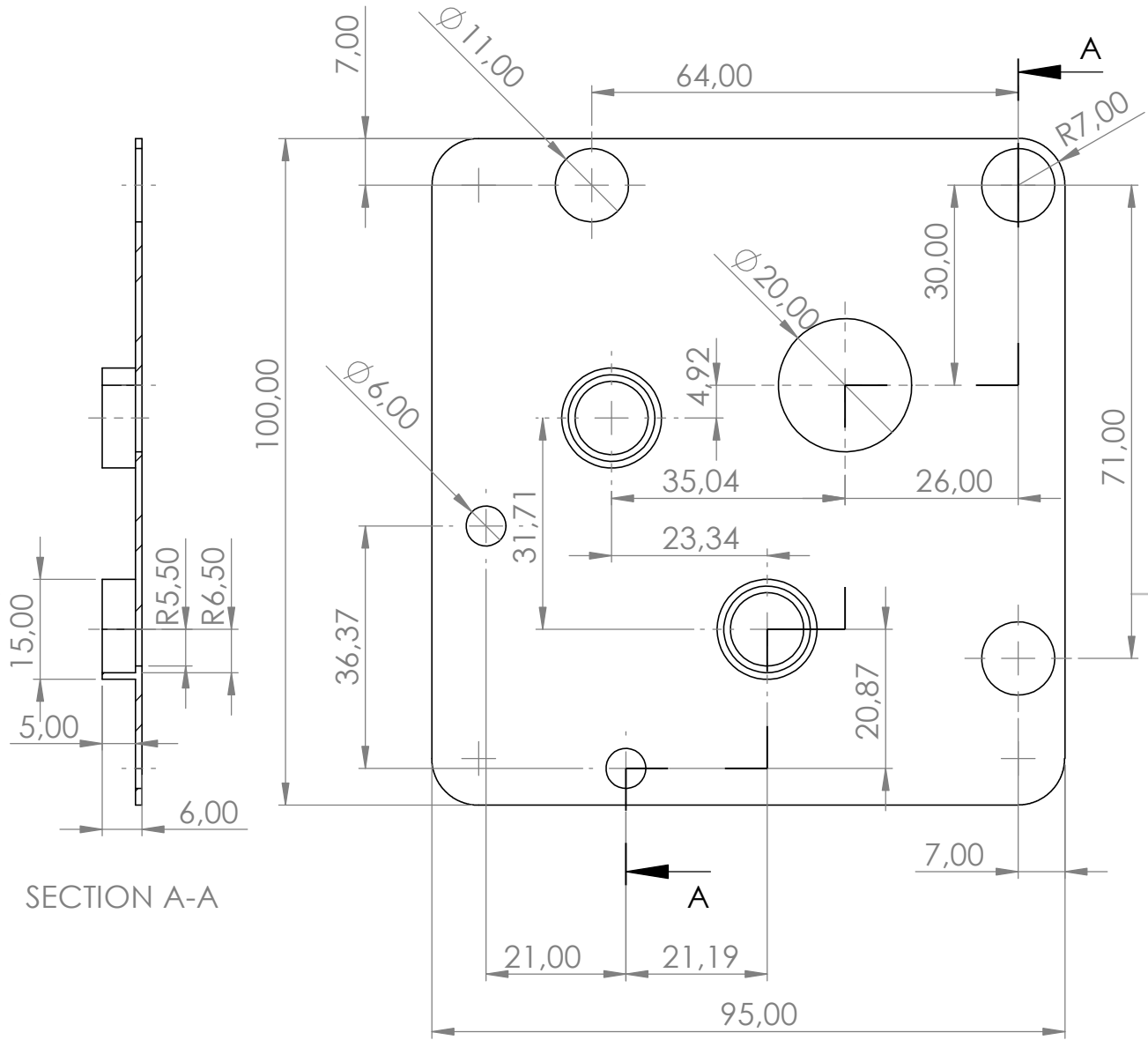
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	NAME	SIGNATURE	DATE				TITLE: <div>7Shaft Assembly</div>		
DRAWN	Rodenas Tornero, JM								
CHK'D							DWG NO. <div>GearUnit</div>		
APPV'D									
MFG							SCALE:1:2		
Q.A									
							SHEET 5 OF 19		
						WEIGHT: 1690.91			



SECTION A-A



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:			FINISH:		DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION			
							TITLE:					
DRAWN			Rodenas Tormero, JM								GearUnit	
CHK'D												
APPV'D												
MFG												
Q.A							MATERIAL:		DWG NO.		A4	
							C25 Tempered		BearingBoxCov			
							WEIGHT: 286.91		SCALE:1:1		SHEET 5 OF 18	



SECTION A-A

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:		DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION
A	NAME	SIGNATURE	DATE					TITLE: GearUnit		
	DRAWN	Rodenas Tornero, JM								
	CHK'D							DWG NO. EncIBoxCover		
	APPV'D									
	MFG							A4		
	Q.A									
								SCALE:1:1		
				MATERIAL:		C25 Tempered		SHEET 6 OF 18		
				WEIGHT: 71.13						

8 7 6 5

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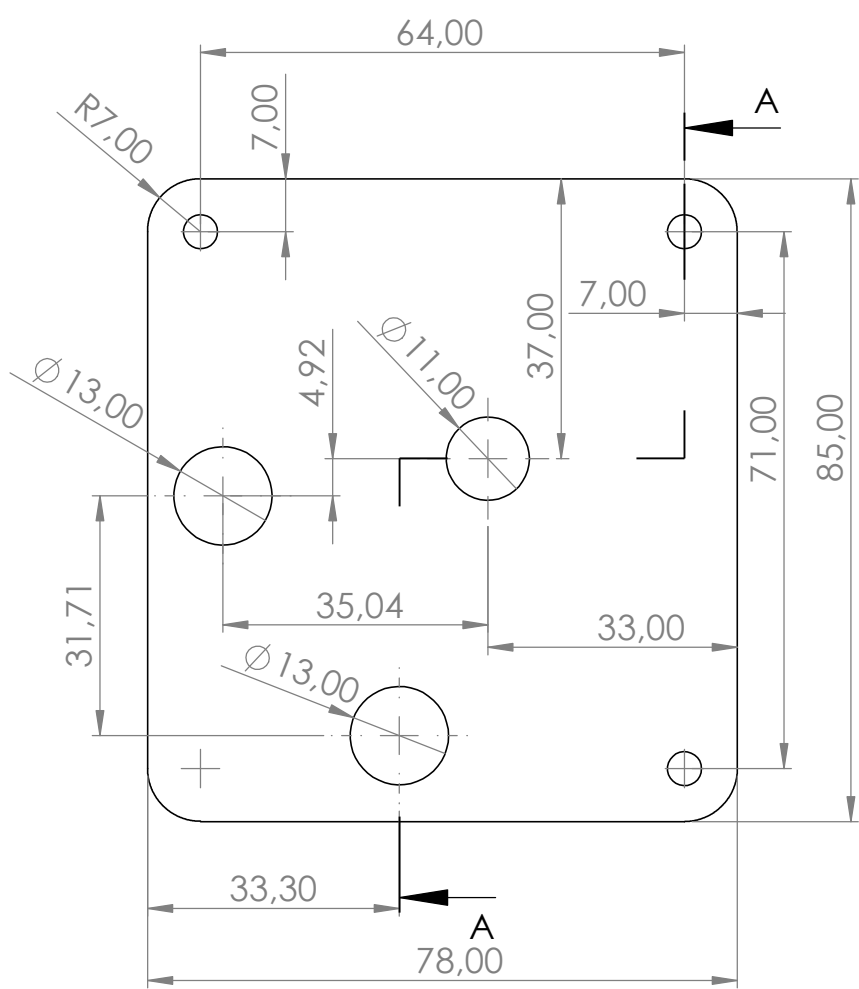
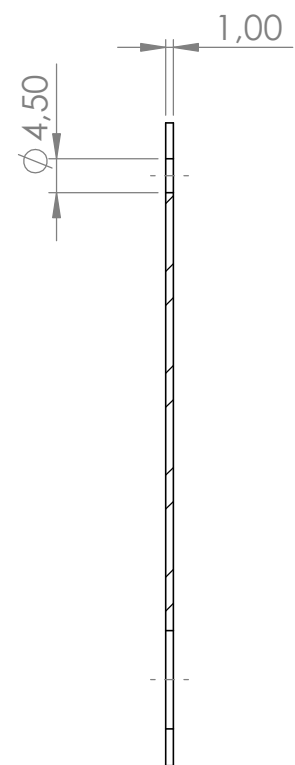
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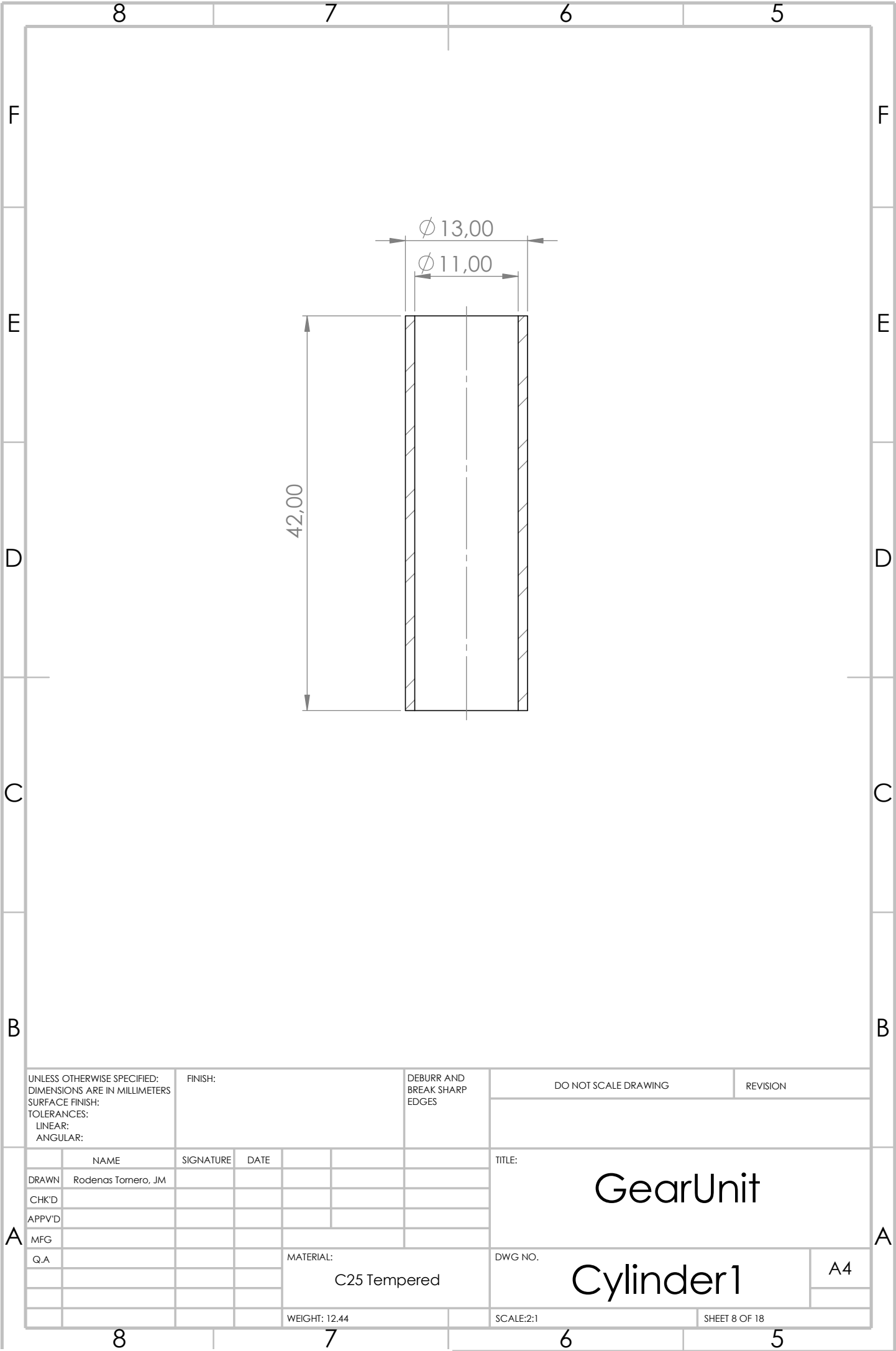
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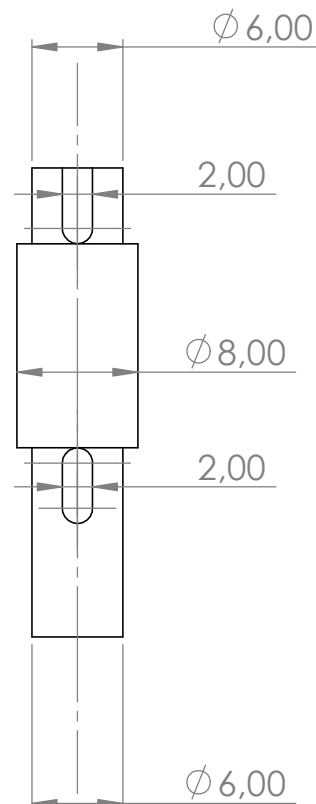
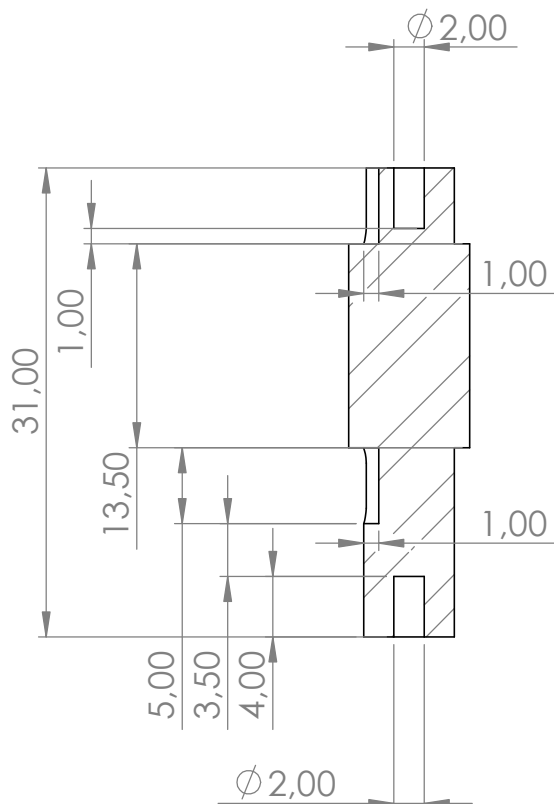


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A		NAME	SIGNATURE	DATE				TITLE: GearUnit			
	DRAWN	Rodenas Tornero, JM									
	CHK'D										
	APPV'D										
	MFG							DWG NO. BearingBox		A4	
	Q.A										
					WEIGHT: 48.56			SCALE:1:1		SHEET 7 OF 18	

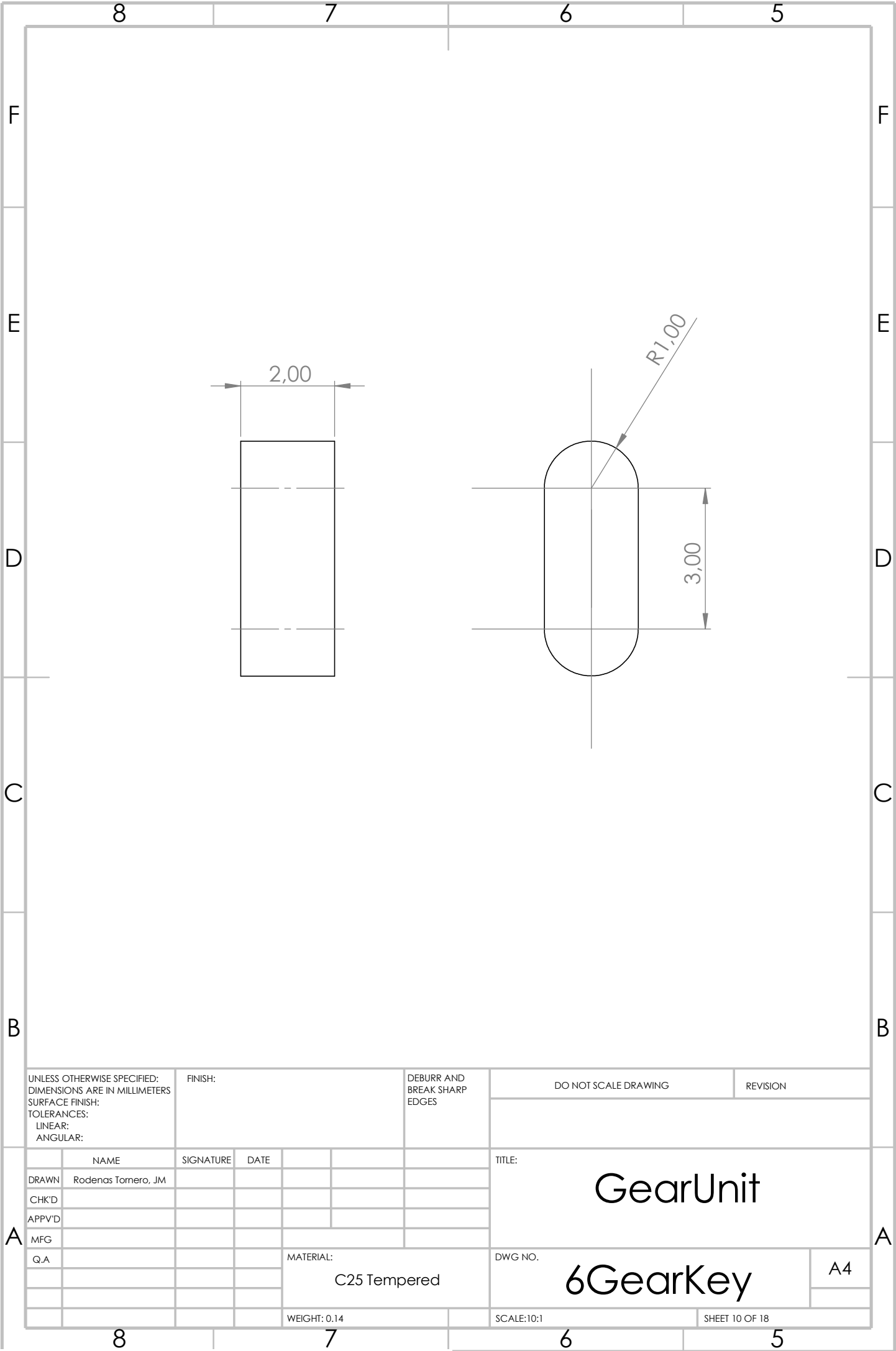
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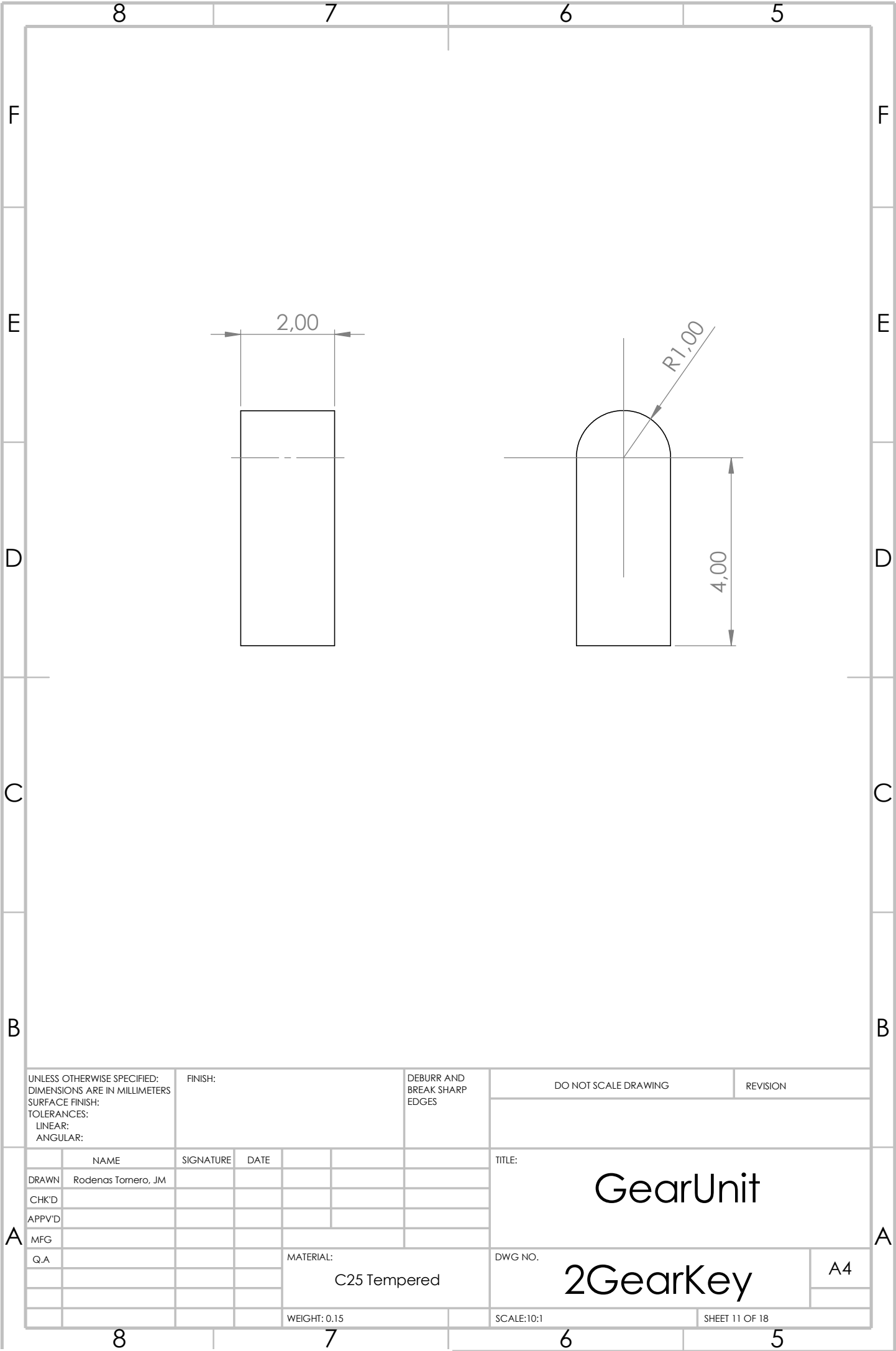


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	NAME		SIGNATURE	DATE				TITLE: GearUnit			
DRAWN	Rodenas Tornero, JM										
CHK'D											
APPV'D											
MFG											
Q.A					MATERIAL: C25 Tempered		DWG NO.		Cylinder1		A4
					WEIGHT: 12.44		SCALE:2:1		SHEET 8 OF 18		

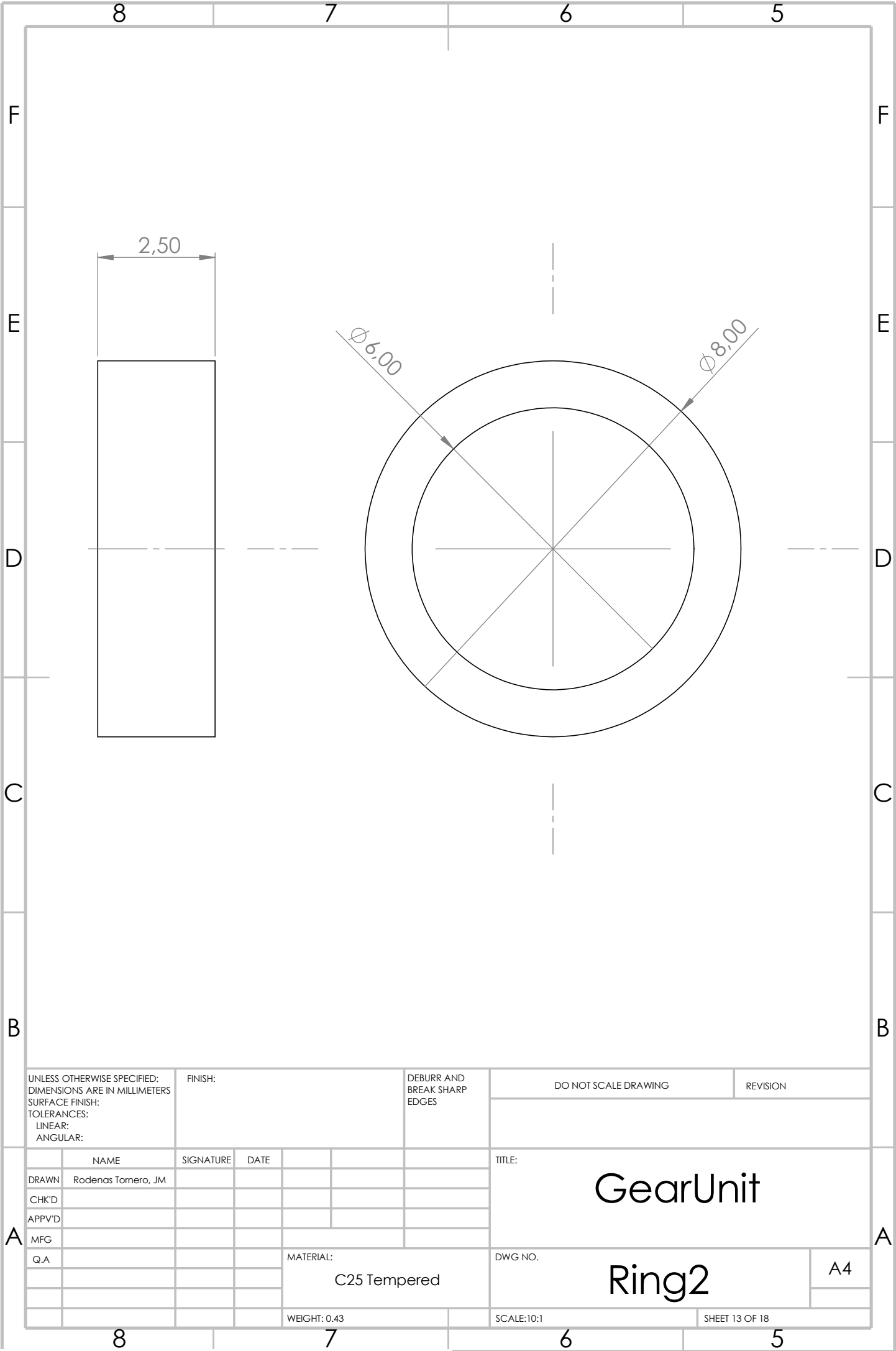


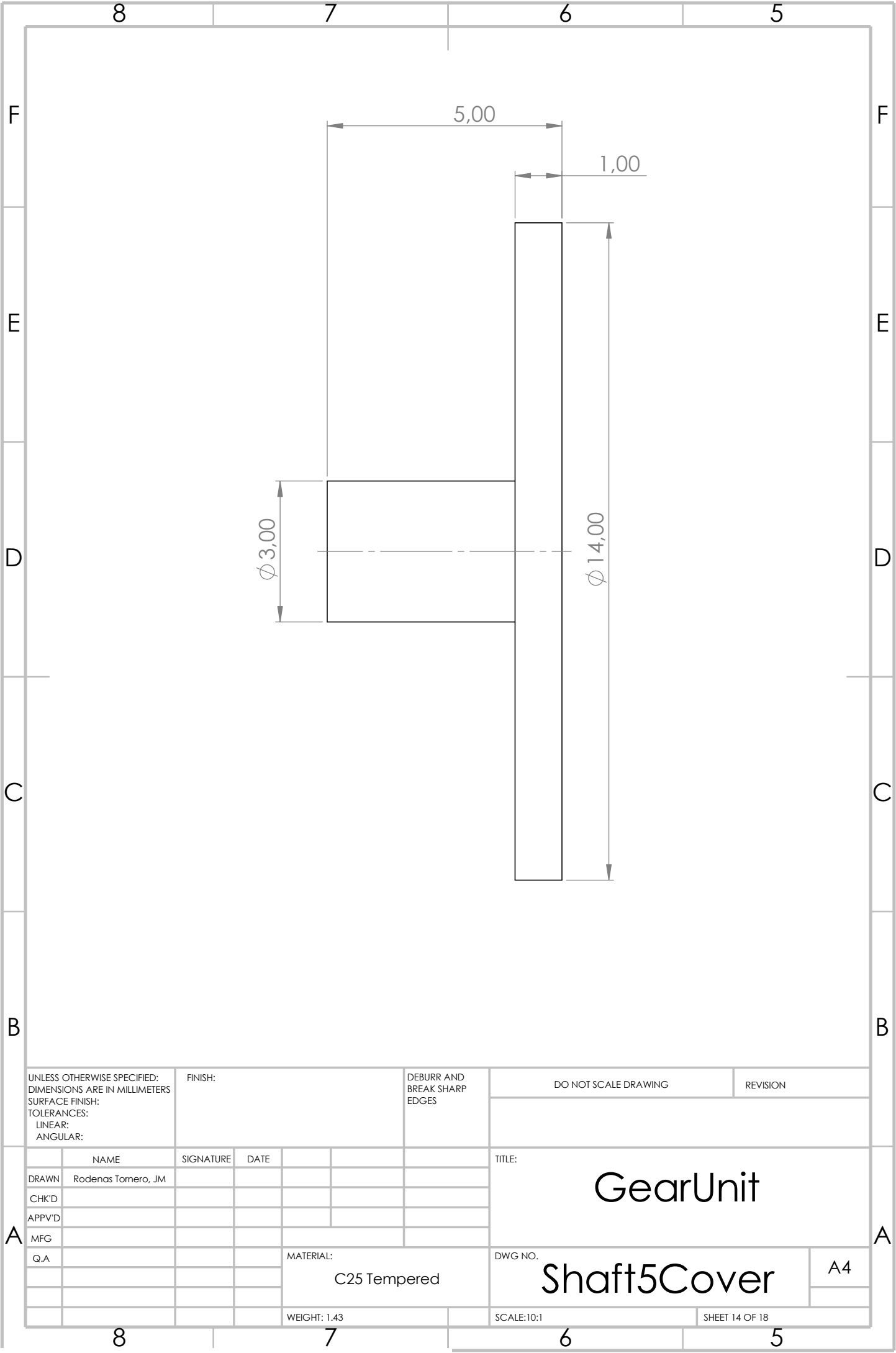
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NAME		SIGNATURE		DATE		TITLE: <h1>GearUnit</h1>			
DRAWN Rodenas Tornero, JM									
CHK'D									
APPV'D									
MFG									
Q.A						MATERIAL:		DWG NO.	
						C25 Tempered		2-6Shaft	
								A4	
						WEIGHT: 8.88		SCALE:2:1	
								SHEET 9 OF 18	

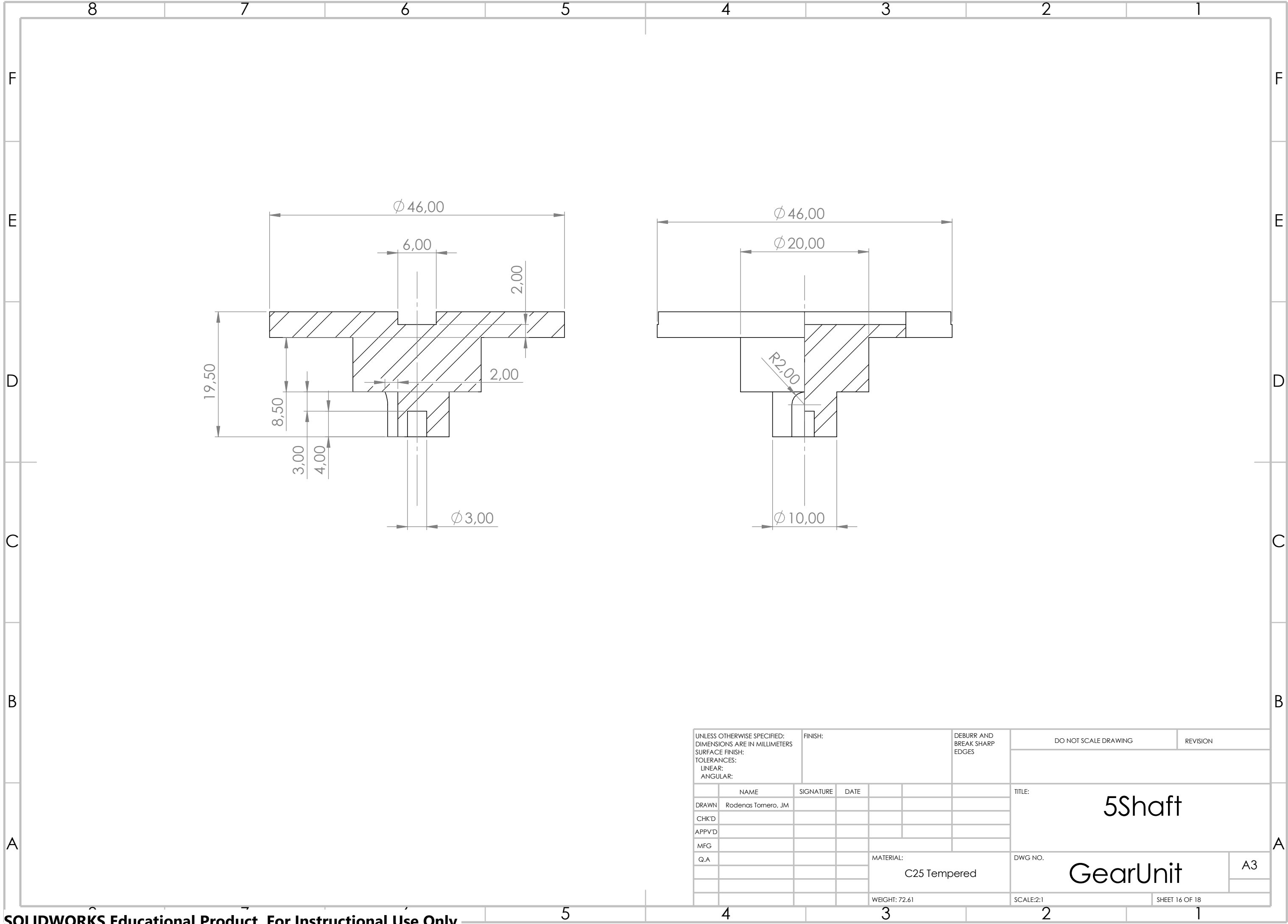




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A		NAME	SIGNATURE	DATE				TITLE: GearUnit		
	DRAWN	Rodenas Tornero, JM								
	CHK'D									
	APPV'D									
	MFG									
	Q.A							DWG NO. 2GearKey		A4
			MATERIAL: C25 Tempered			SCALE:10:1		SHEET 11 OF 18		
			WEIGHT: 0.15							







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				TITLE: 5Shaft			
DRAWN	Rodenas Tornoero, JM										
CHK'D											
APPV'D											
MFG											
Q.A					MATERIAL: C25 Tempered		DWG NO. GearUnit				A3
					WEIGHT: 72.61		SCALE:2:1			SHEET 16 OF 18	

4 3 2 1

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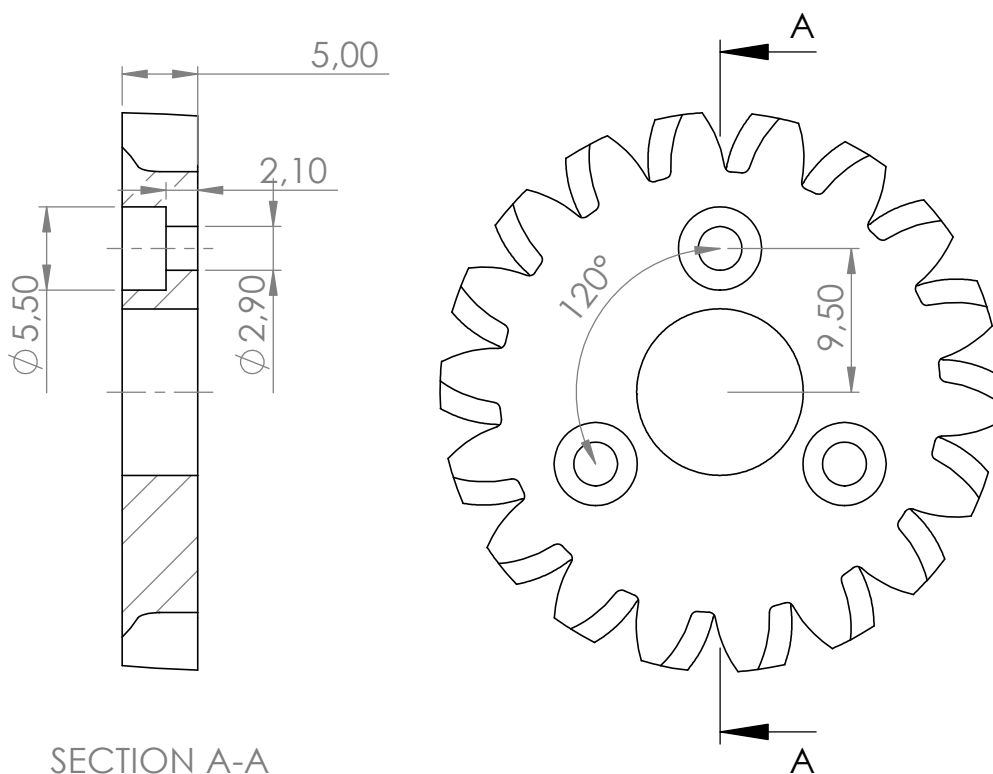
D

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SECTION A-A

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	Rodenas Tornero, JM				
CHK'D					
APPV'D					
MFG					
Q.A					
			MATERIAL: C45 Induction Hardening		
			WEIGHT: 35.52		

TITLE:

GearUnit

DWG NO.

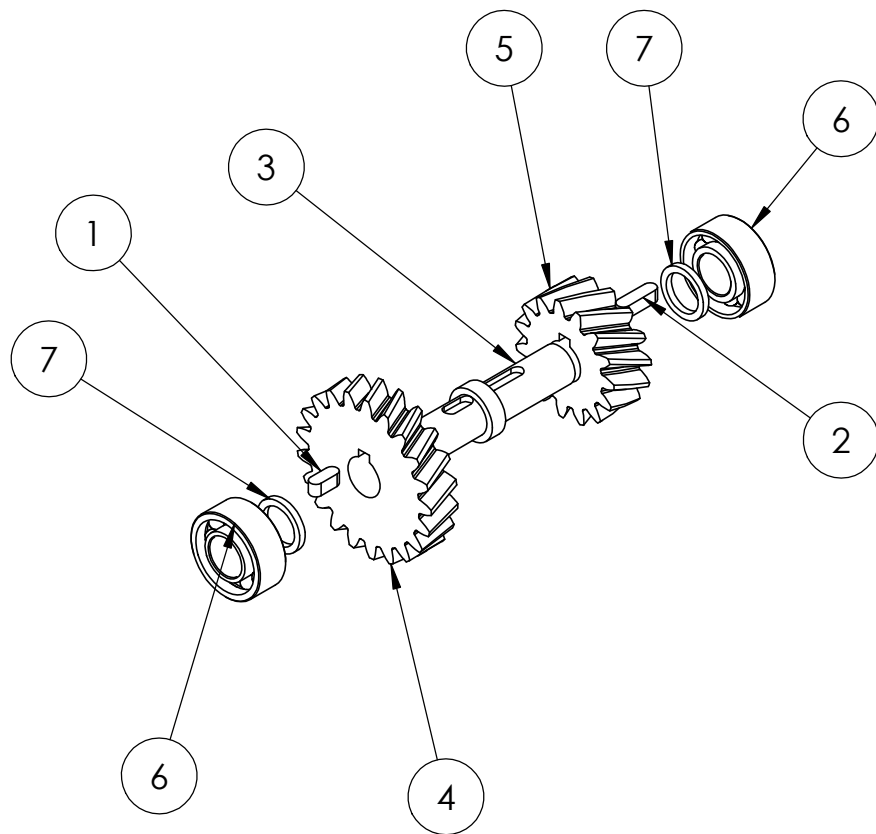
Gear10

A4

SCALE:2:1

SHEET 1 OF 19

4 3 2 1



ITEM NO.	PART NUMBER	Material	QTY.
1	3GearKey	C25 Tempered	1
2	4GearKey	C25 Tempered	1
3	3-4Shaft	C25 Tempered	1
4	ISO - LH Helical gear 1M 21T 25HA 20PA 5FW ---21A75H50L6.0S1	C45 Induction Hardening	1
5	ISO - RH Helical gear 1M 15T 25HA 20PA 7FW ---15A75H50L6.0S1	C45 Induction Hardening	1
6	ISO 15 ABB - 286 - 10,DE,NC,10_68	Steel	2
7	Ring1	C25 Tempered	2

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 Rodenas Tornero, JM		
CHK'D		
APPV'D		
MFG		
Q.A		
MATERIAL:		
WEIGHT: 37.22		

TITLE:

Shaft3-4

DWG NO.

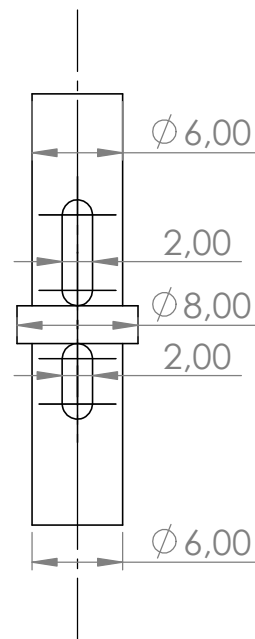
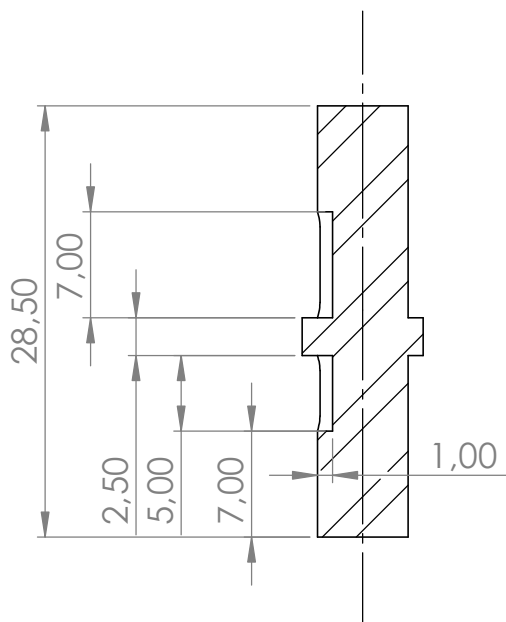
Exploded View

A4

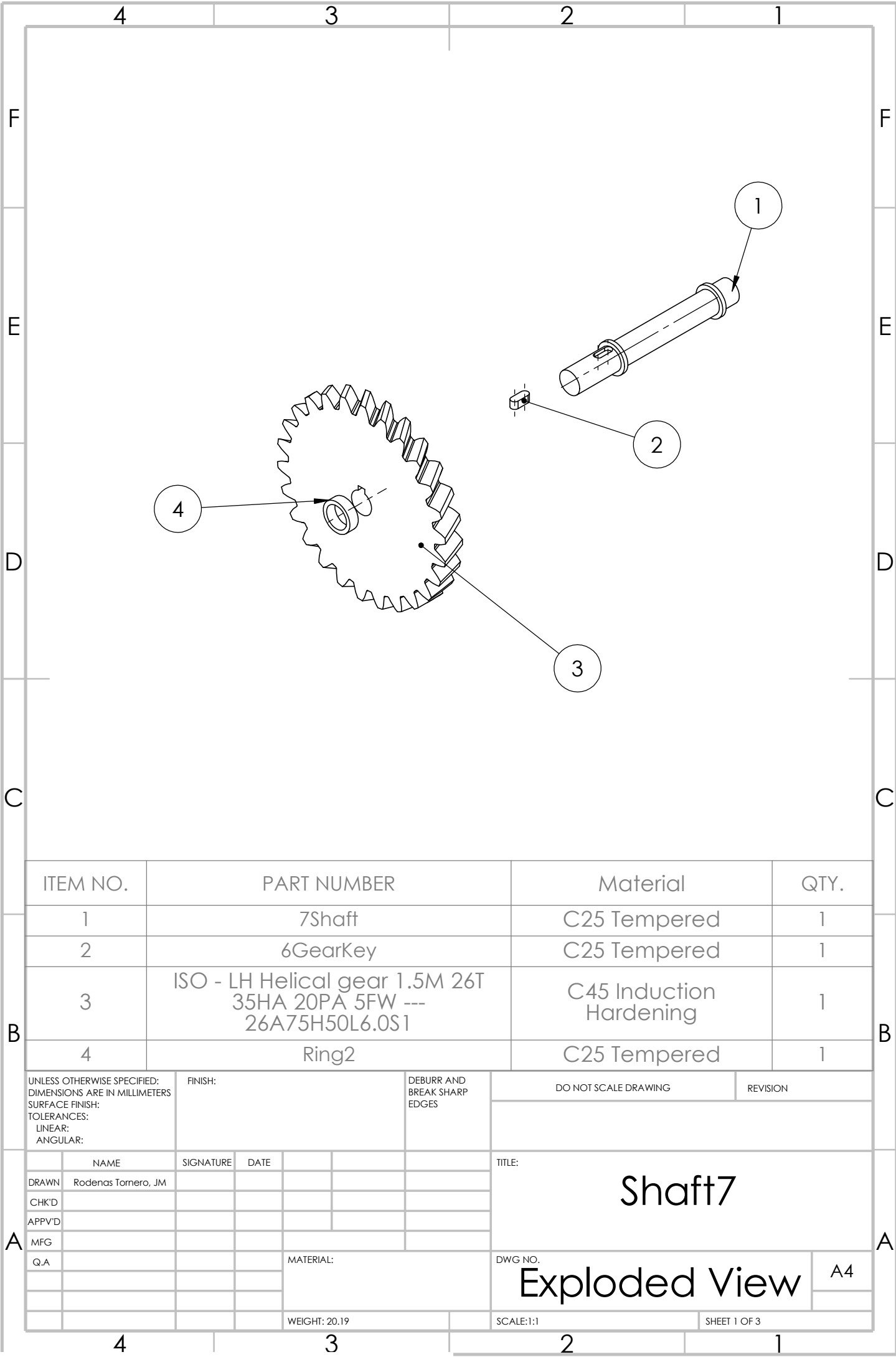
SCALE:1:1

SHEET 1 OF 5

	4	3	2	1			
F						F	
E						E	
D	<div><div><div>2,00</div><div><div></div><div></div></div></div><div><div></div><div></div><div></div></div></div> <div><div><div>R1,00</div><div></div></div><div><div></div><div>3,00</div></div></div>					D	
C						C	
B						B	
A	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	TITLE:		
	DRAWN Rodenas Tornero, JM				Shaft3-4		
	CHK'D						
	APPV'D						
	MFG						
	Q.A				MATERIAL:	DWG NO.	A4
					C25 Tempered	3GearKey	
				WEIGHT: 0.14	SCALE:10:1	SHEET 3 OF 5	
	4	3	2	1			

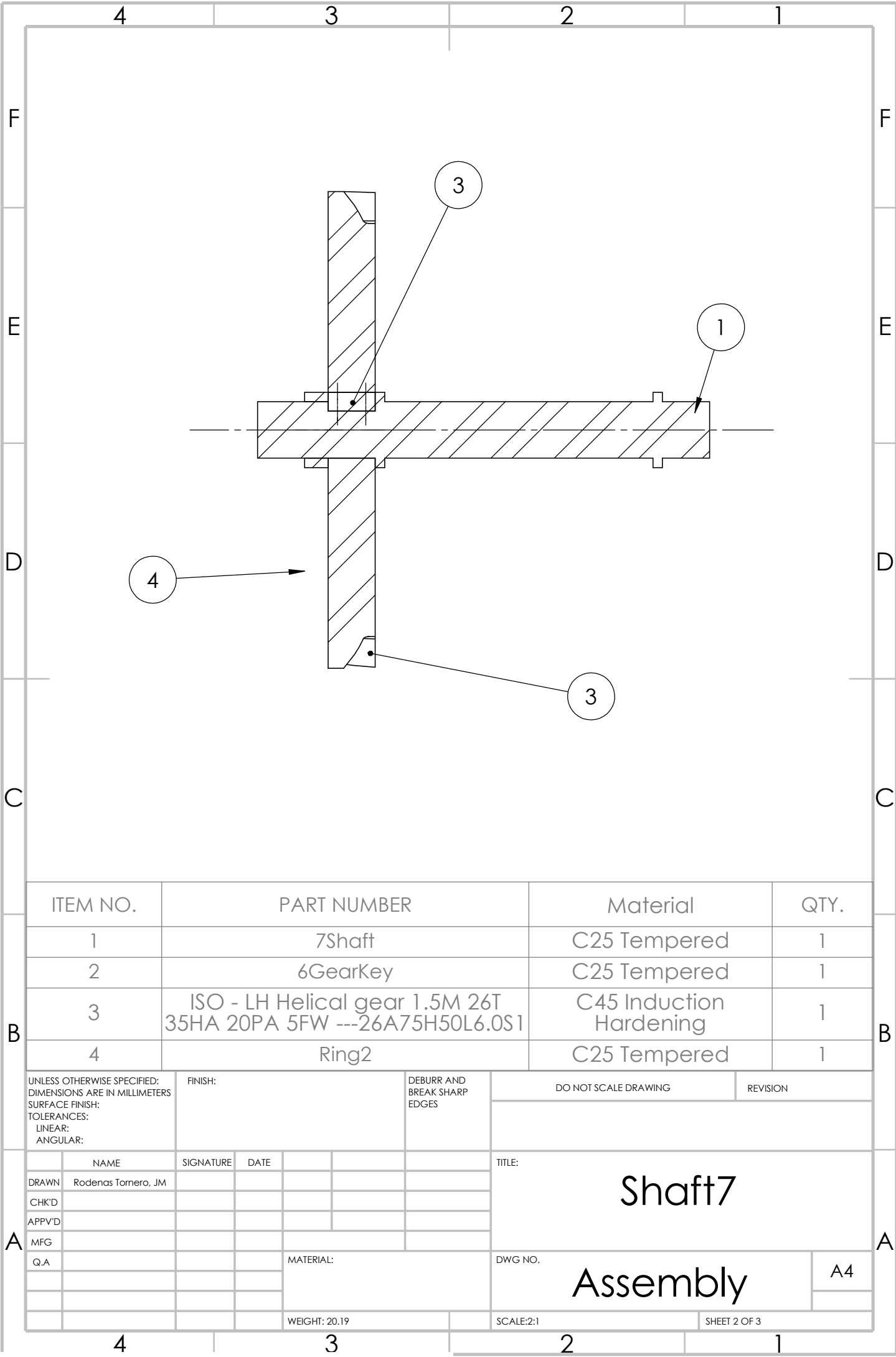


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NAME		SIGNATURE		DATE		TITLE:			
DRAWN Rodenas Tornero, JM						Shaft3-4			
CHK'D									
APPV'D									
MFG									
Q.A						MATERIAL:		DWG NO.	
						C25 Tempered		3-4Shaft	
								A4	
						WEIGHT: 6.60		SCALE:2:1	
								SHEET 5 OF 5	



ITEM NO.	PART NUMBER	Material	QTY.
1	7Shaft	C25 Tempered	1
2	6GearKey	C25 Tempered	1
3	ISO - LH Helical gear 1.5M 26T 35HA 20PA 5FW --- 26A75H50L6.0S1	C45 Induction Hardening	1
4	Ring2	C25 Tempered	1

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	TITLE:				
DRAWN	Rodenas Tornero, JM			Shaft7				
CHK'D								
APPV'D				DWG NO.				
MFG								
Q.A				Exploded View				
				MATERIAL:		A4		
				WEIGHT: 20.19		SCALE:1:1		
						SHEET 1 OF 3		



ITEM NO.	PART NUMBER	Material	QTY.
1	7Shaft	C25 Tempered	1
2	6GearKey	C25 Tempered	1
3	ISO - LH Helical gear 1.5M 26T 35HA 20PA 5FW ---26A75H50L6.0S1	C45 Induction Hardening	1
4	Ring2	C25 Tempered	1

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		TITLE: Shaft7			
DRAWN Rodenas Tornero, JM									
CHK'D									
APPV'D									
MFG									
Q.A						MATERIAL:		DWG NO.	
								A4	
						WEIGHT: 20.19		SCALE:2:1	
								SHEET 2 OF 3	

4 3 2 1

F

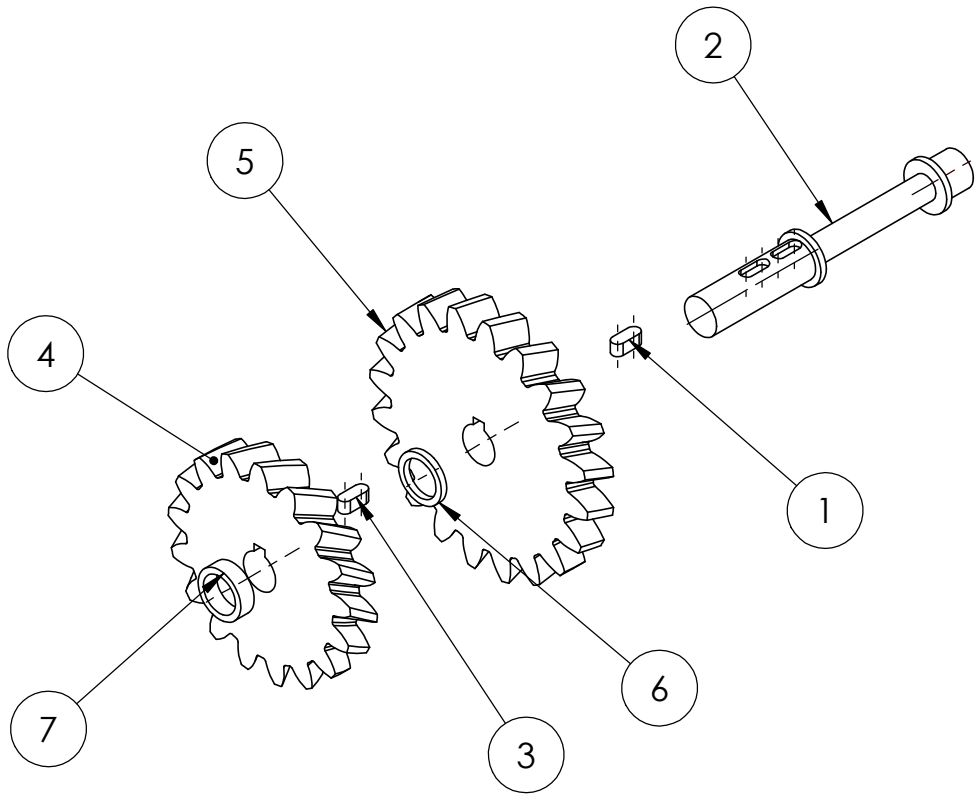
F

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C

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A

ITEM NO.	PART NUMBER	Material	QTY.
1	9GearKey	C25 Tempered	1
2	8-9Shaft	C25 Tempered	1
3	6GearKey	C25 Tempered	1
4	ISO - RH Helical gear 1.5M 17T 35HA 20PA 5FW ---17A75H50L6.0S1	C45 Induction Hardening	1
5	ISO - RH Helical gear 1.75M 20T 20HA 20PA 5FW ---20A75H50L6.0S1	C45 Induction Hardening	1
6	Ring1	C25 Tempered	1
7	Ring2	C25 Tempered	1

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 Rodenas Tornero, JM		
CHK'D		
APPV'D		
MFG		
Q.A		

TITLE:

Shaft8-9

DWG NO.

Exploded View

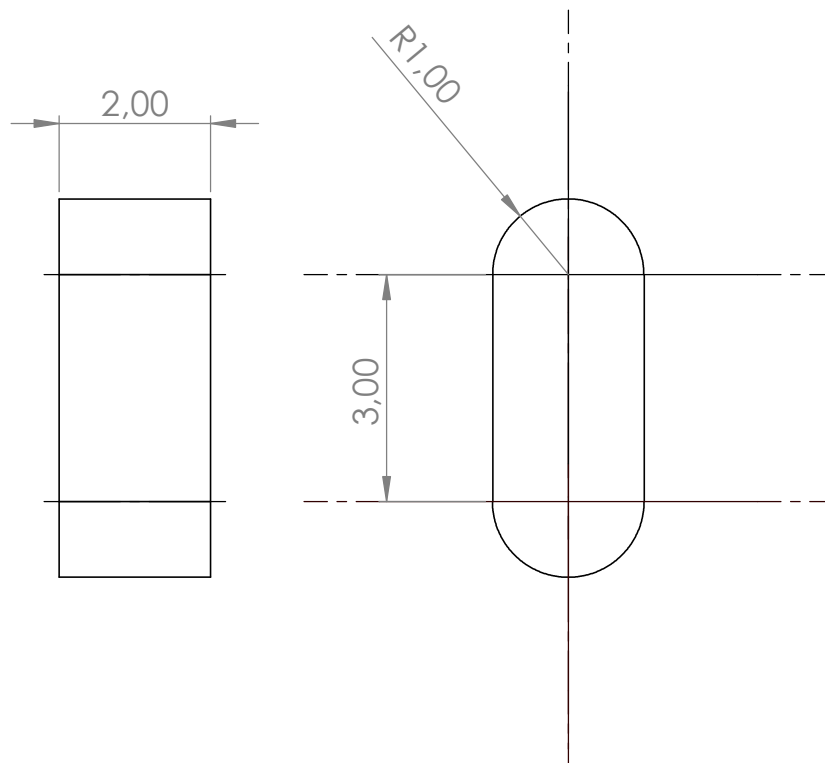
A4

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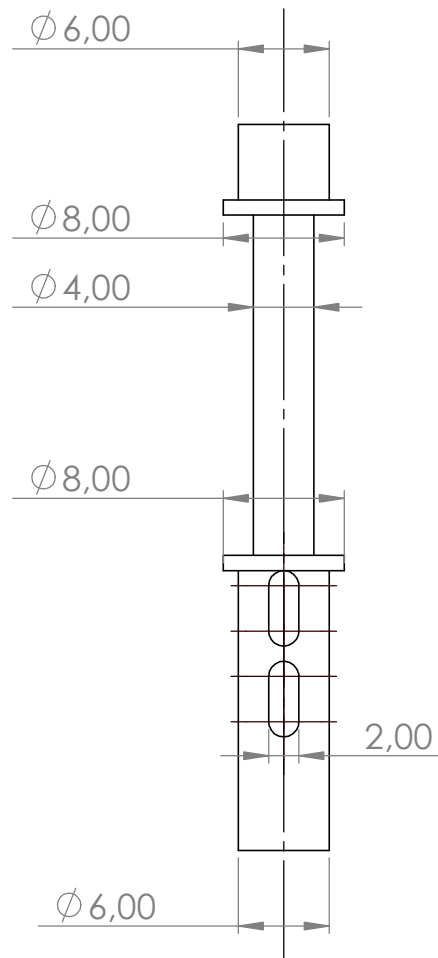
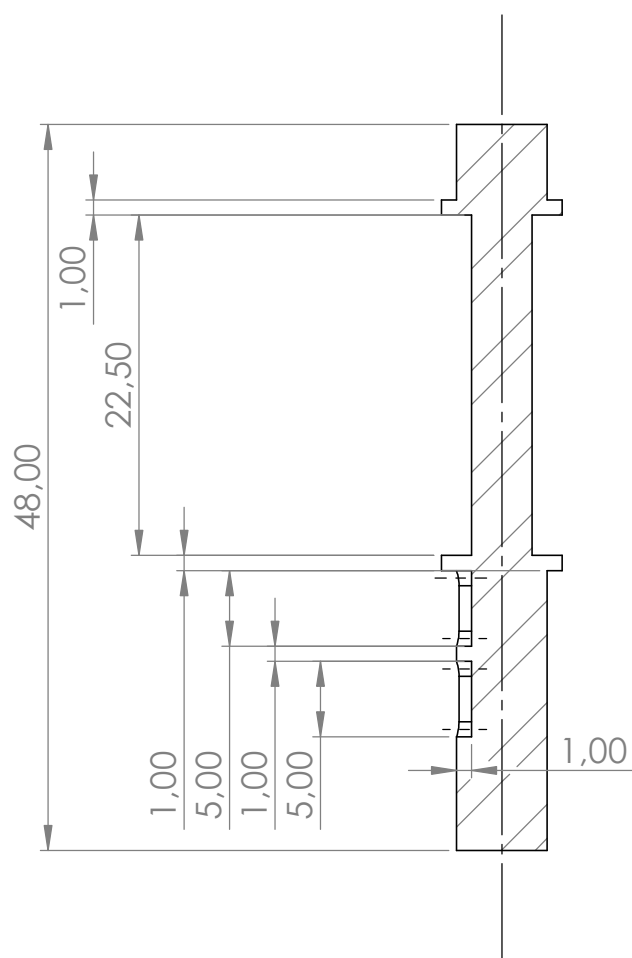
SCALE:1:1

SHEET 1 OF 5

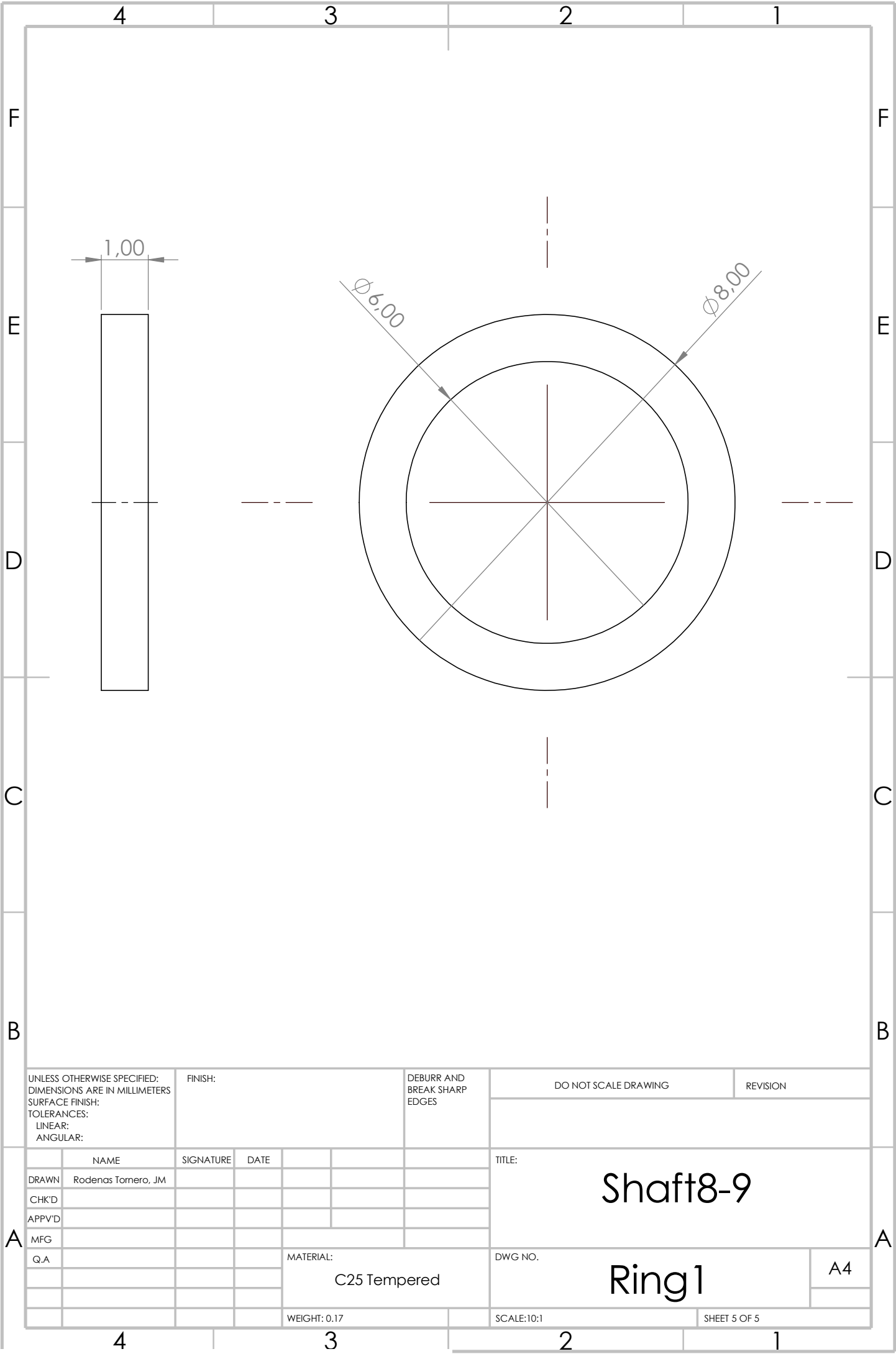
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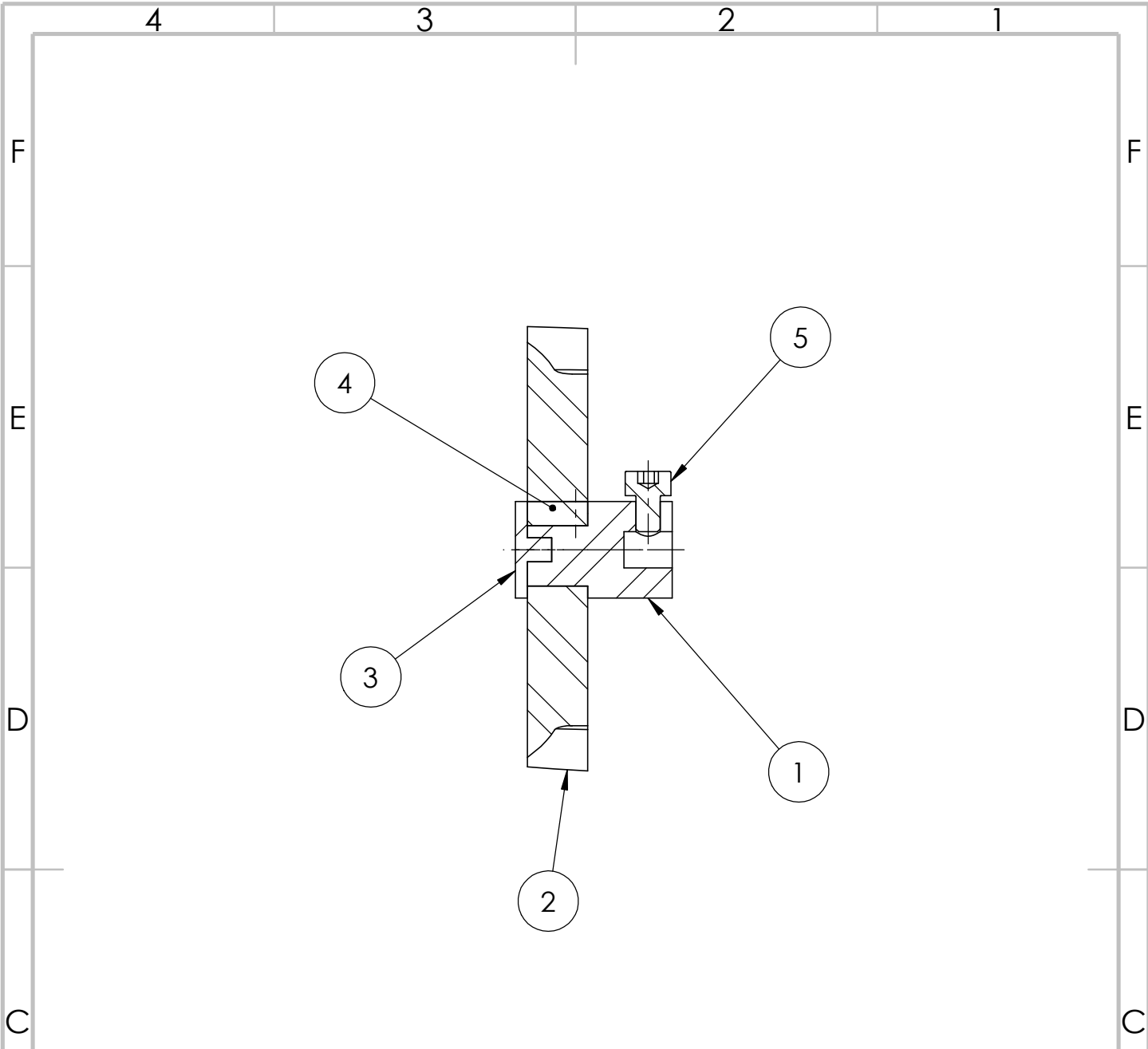


UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:		FINISH:		DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION	
	NAME	SIGNATURE	DATE			TITLE: <div>Shaft8-9</div>			
DRAWN	Rodenas Tomero, JM								
CHK'D									
APPV'D									
MFG									
Q.A									
				MATERIAL:		DWG NO.		A4	
				C25 Tempered		9GearKey			
				WEIGHT: 0.14		SCALE:10:1		SHEET 3 OF 5	



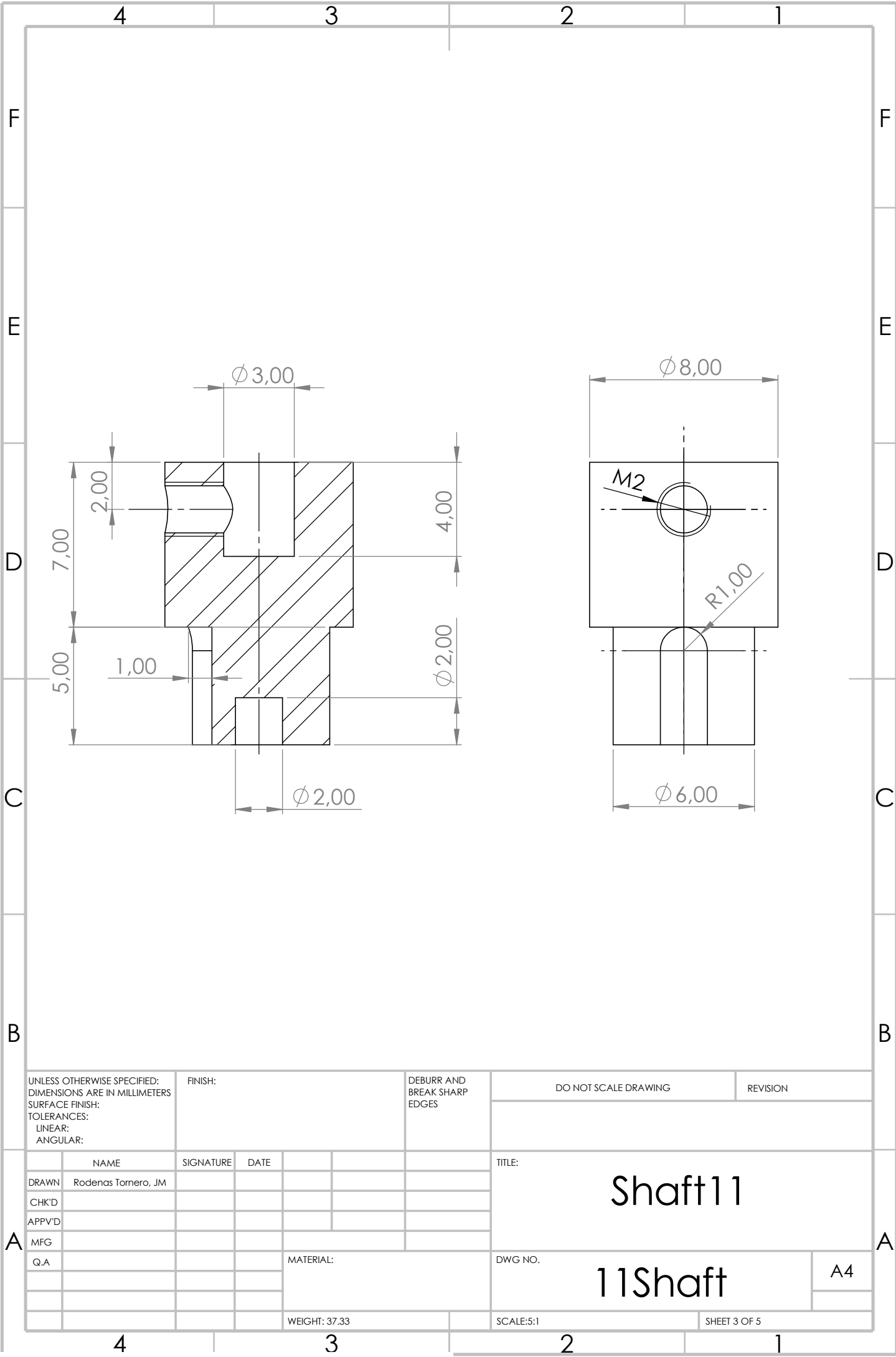
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:		FINISH:		DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION		
	NAME	SIGNATURE	DATE			TITLE: Shaft8-9				
DRAWN	Rodenas Torno, JM									
CHK'D										
APPV'D										
MFG										
Q.A				MATERIAL: C25 Tempered		DWG NO. Shaft 8-9		A4		
				WEIGHT: 8.10		SCALE:2:1		SHEET 4 OF 5		





ITEM NO.	PART NUMBER	Material	QTY.
1	11Shaft	C25 Tempered	1
2	ISO - LH Helical gear 1.75M 18T 20HA 20PA 5FW ---18A75H50L6.0S1	C45 Induction Hardening	1
3	Shaft11Cover	C25 Tempered	1
4	11GearKey	C25 Tempered	1
5	ISO 4762 M2 x 3 - 3N	Steel	1

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		TITLE: Shaft11		A4	
DRAWN Rodenas Tornero, JM									
CHK'D									
APPV'D									
MFG									
Q.A									
						MATERIAL:		DWG NO.	
								Assembly	
						WEIGHT: 37.33		SCALE:2:1	
								SHEET 2 OF 5	



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:			FINISH:			DEBURR AND BREAK SHARP EDGES			DO NOT SCALE DRAWING		REVISION		
									TITLE: Shaft11				
DRAWN	NAME Rodenas Tornero, JM		SIGNATURE	DATE									
CHK'D													
APPV'D													
MFG													
Q.A					MATERIAL:		DWG NO. 11Shaft				A4		
						WEIGHT: 37.33				SCALE:5:1		SHEET 3 OF 5	

