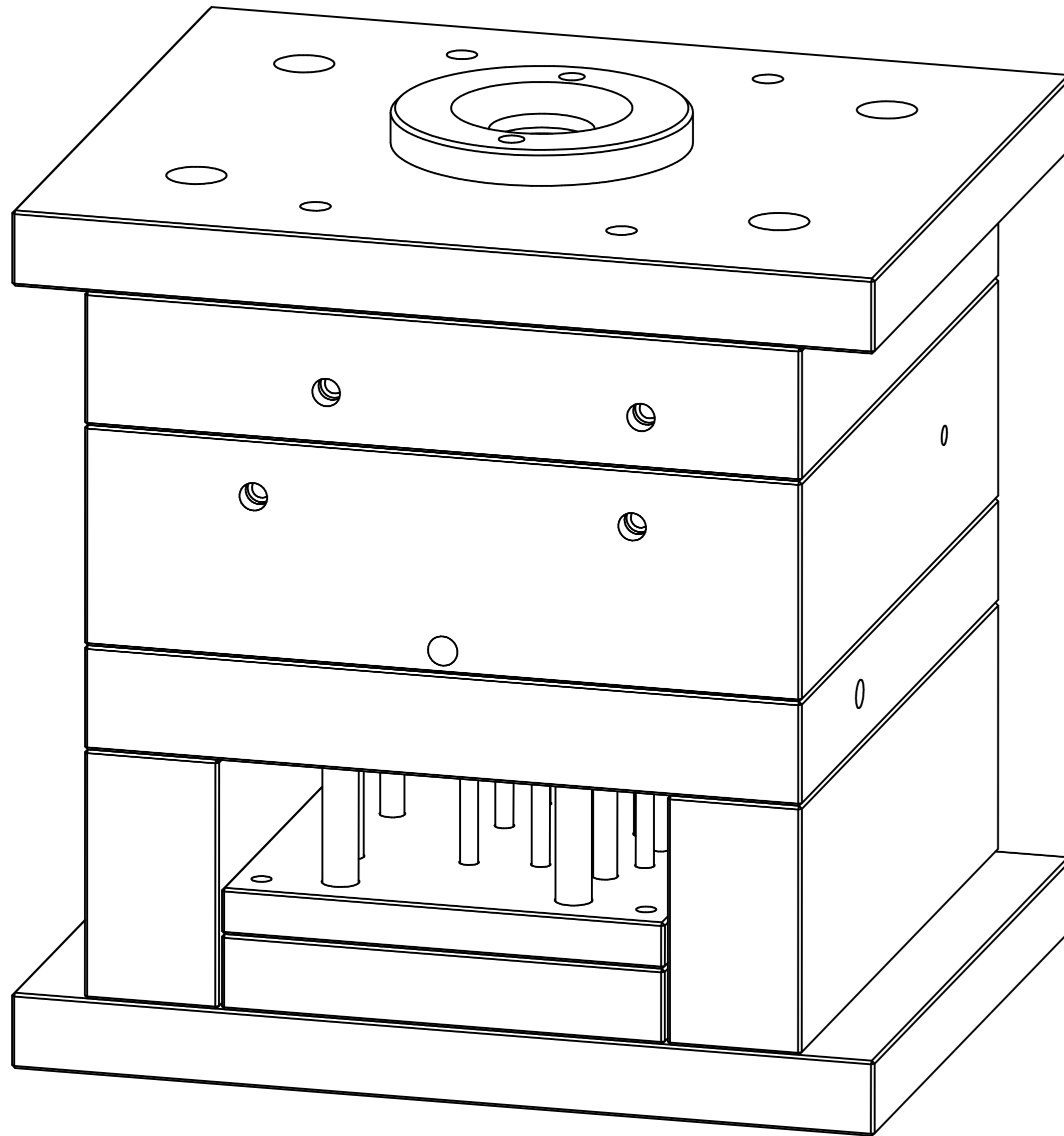
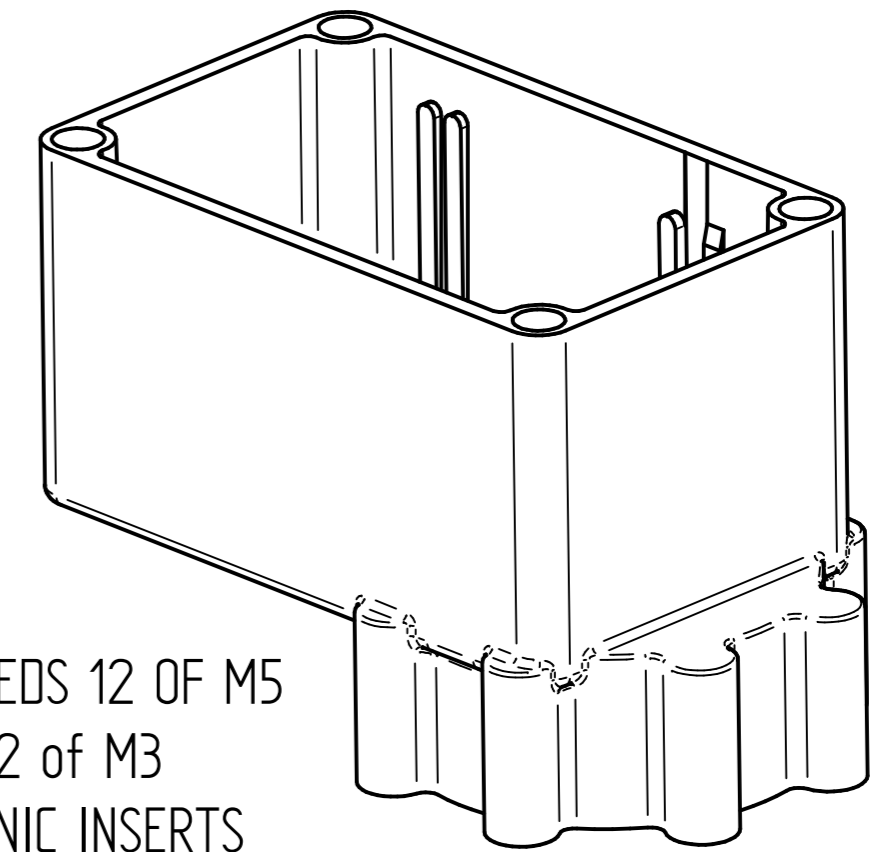


REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED

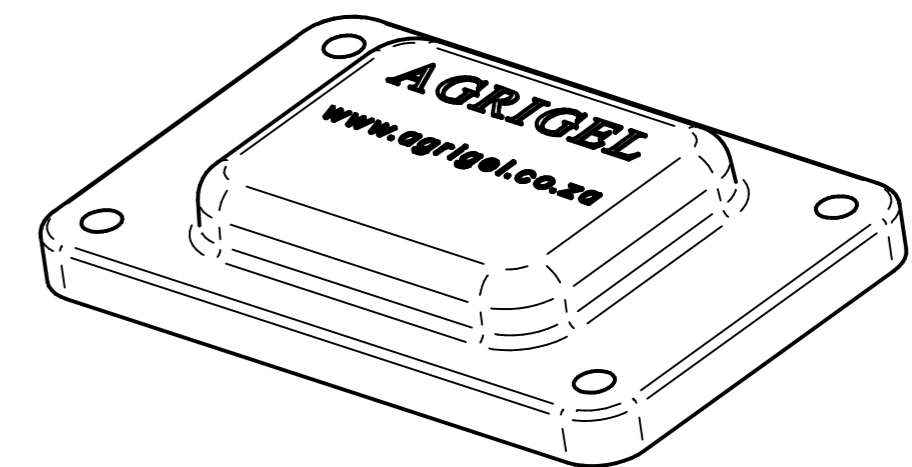


Stepper Motor Housing Mould



NEEDS 12 OF M5  
& 2 OF M3  
SONIC INSERTS

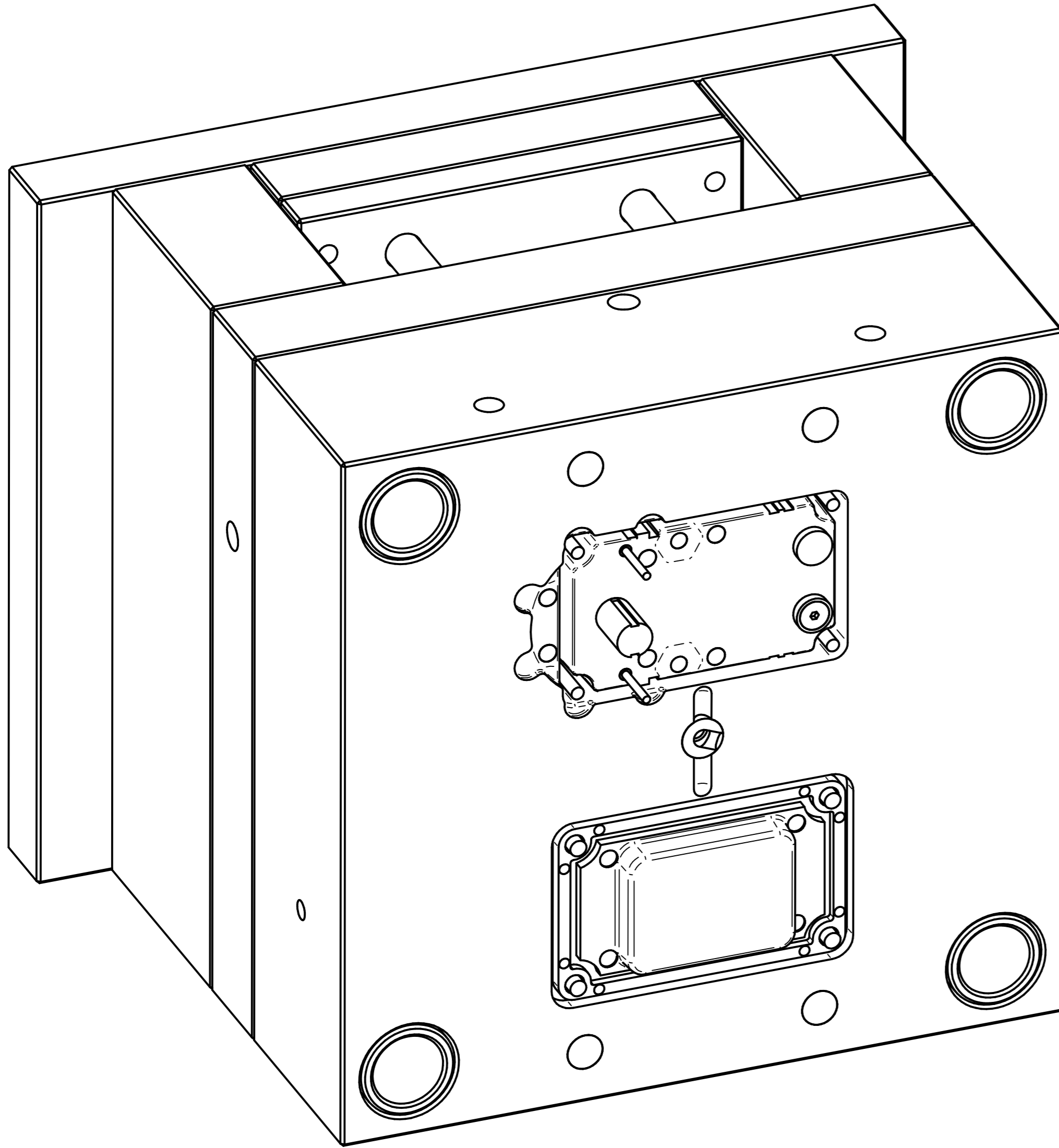
Stepper Motor Housing  
FLOW CONTROL VALVE UPPER HOUSING



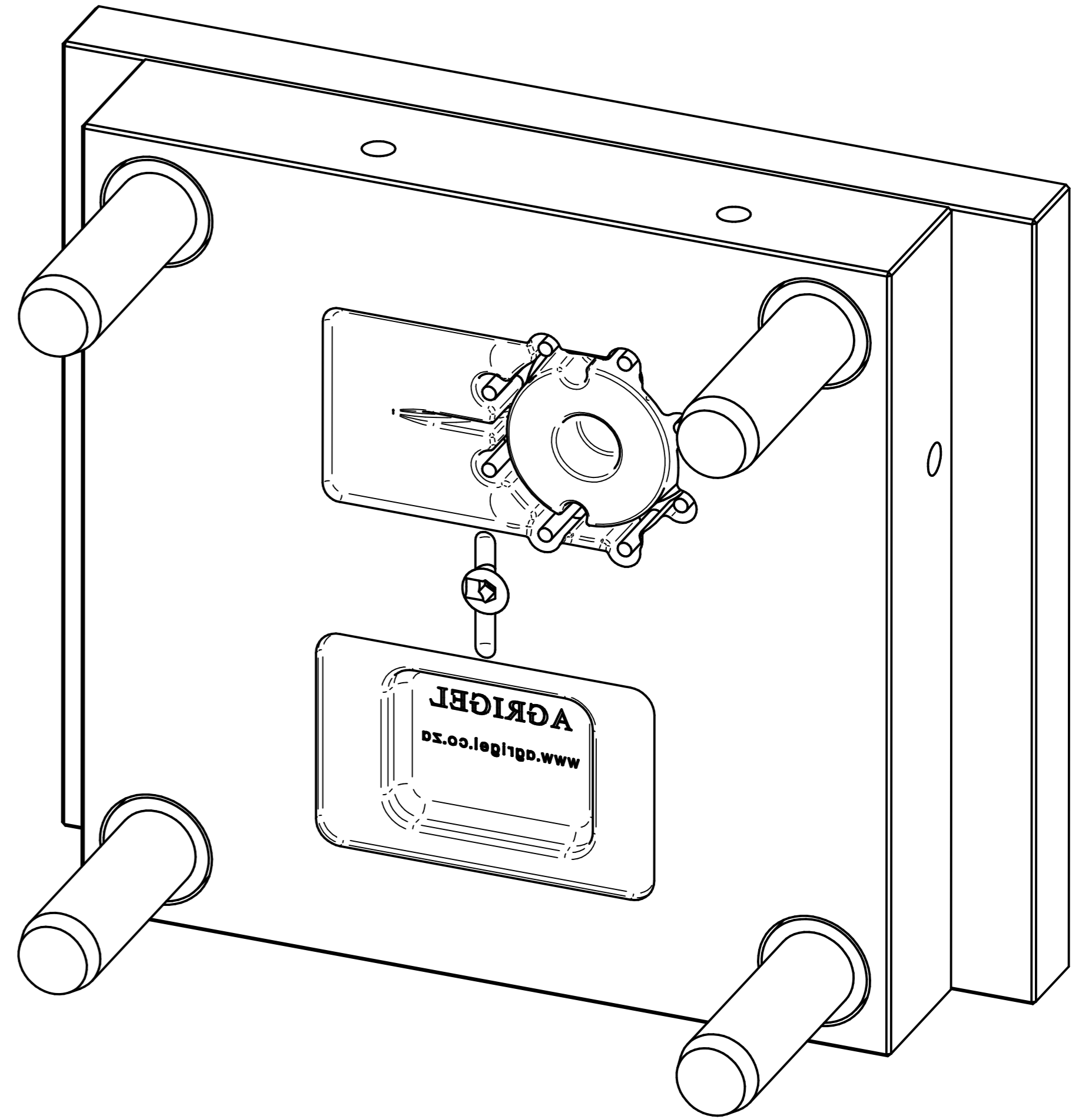
STEPPER MOTOR HOUSING LID

	NAME	DATE	<b>AGRIGEL</b>	
DRAWN	DG	09/04/23		
APPROVED			TITLE	
MATERIAL			Stepper Motor Housing & Lid Mould	
TREATMENT			SIZE	DWG NO
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS			A4	
1st ANGLE ANGLES ±0.1°			FILE NAME: Stepper Motor Housing Mould.dft	REV
2 PL ±0.02 3 PL ±0.005			SCALE:	WEIGHT:
				SHEET 1 OF 21

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED

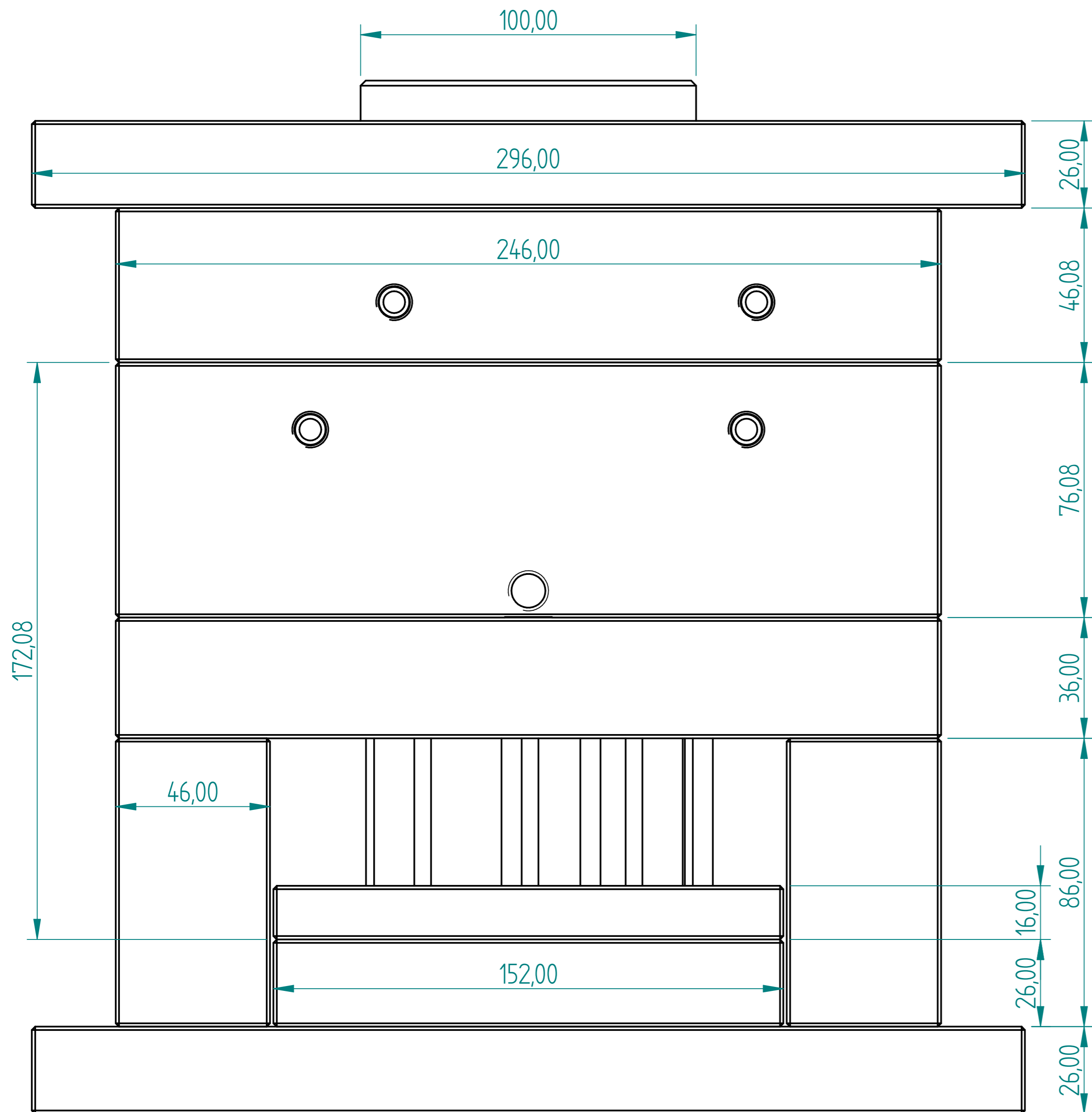


Moving Half



Fixed Half

	NAME	DATE	<b>AGRIGEL</b>	
DRAWN	DG	09/04/23		
APPROVED				
MATERIAL				
TREATMENT			TITLE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS			SIZE	DWG NO
1st ANGLE ANGLES ±0.1°			A4	
2 PL ±0.02 3 PL ±0.005			FILE NAME: Stepper Motor Housing Mould.dft	REV
SCALE:		WEIGHT:	SHEET 2 OF 21	



REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED

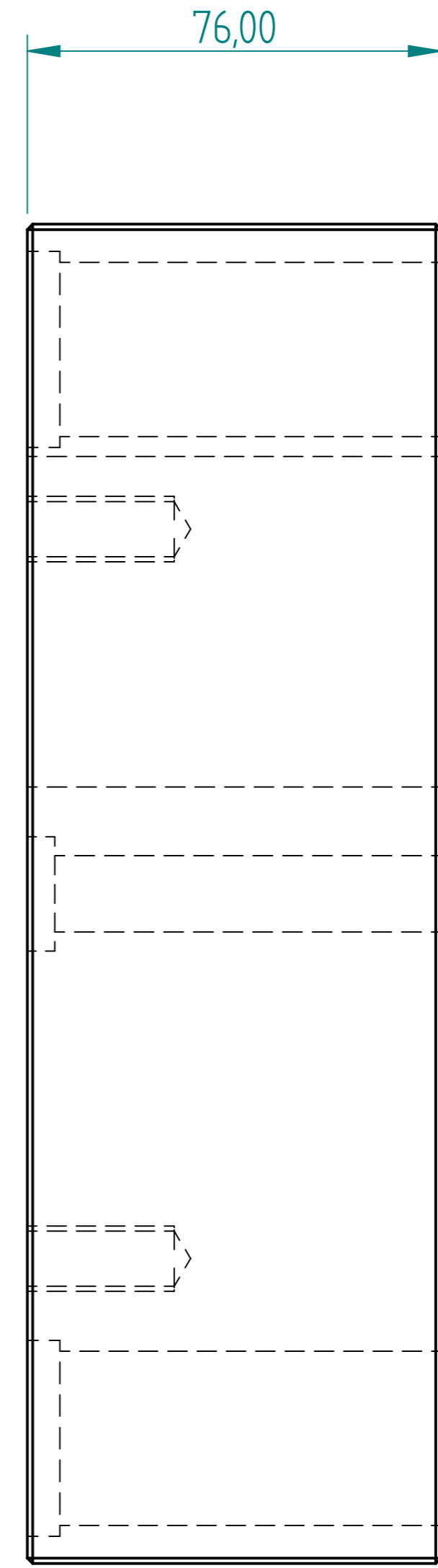
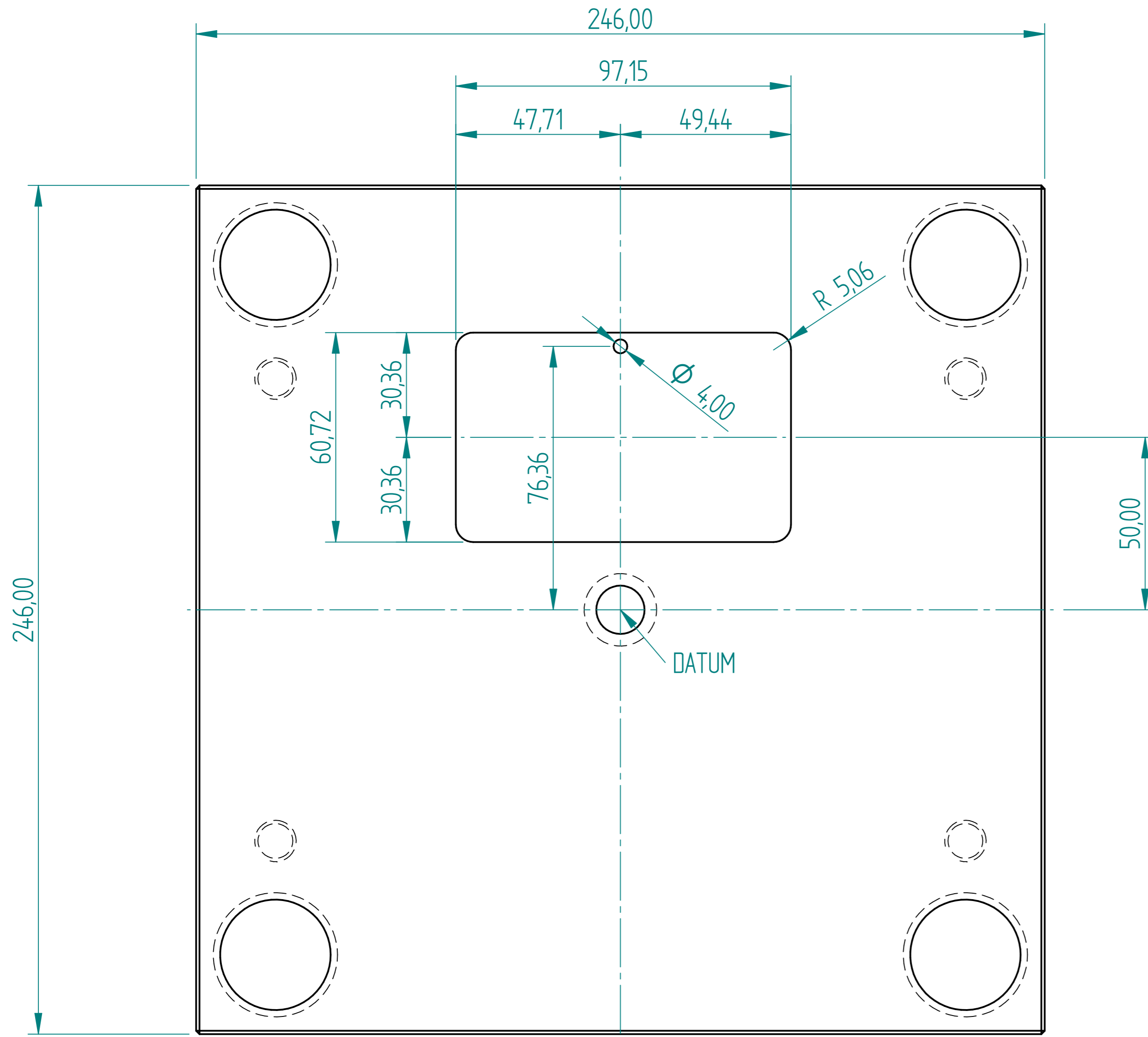
Item Number	Title	Document Number	Quantity
1			1
2	Cap Screw	M	4
3	Cap Screw	M6-15	4
4	Cap Screw	M8-40	4
5	Core Pin	Dia 12 - 100	1
6	Core Pin	Dia 4 - 100	2
7	Core Pin	Dia 4 - 100	1
8	Core Pin	Dia 4.2 - 100	8
9	Core Pin	Dia 5 - 100	4
10	Core Pin	Dia 5 - 250	4
11	Core Pin	Dia 5.5 - 100	2
12	Ejector Pin	Dia 12 - 200	4
13	Ejector Pin	Dia 6 - 200	4
14	Ejector Pin	Dia 6 - 200 B	2
15	Ejector Pin	Dia 6 - 200 C	1
16	Ejector Pin	Dia 6 - 200 D	4
17	Ejector Sleeve Pin	Dia 5x8 - 125	4
18	Locating Bush	FBN 24-76	4
19	Locating Pin	FSN 24-46-76	4
20	Locating Ring	LR-100	1
21	Mould Backing Plate	70 x 20 x 10	2
22	Mould Ejector Clamping Plate	246 x 152 x 26	1
23	Mould Ejector Plate	246 x 152 x 16	1
24	Mould Fixed Clamping Plate	296 x 246 x 26	1
25	Mould Fixed Half Die Plate	246 x 246 x 46	1
26	Mould Fixed Half Insert	Dia 58 - 45	1
27	Mould Housing Insert	98 x 61 x 75	1
28	Mould Moving Clamping Plate	296 x 246 x 26	1
29	Mould Moving Half Die Plate	246 x 246 x 76	1
30	Mould Moving Half Die Plate	246 x 246 x 76	1
31	Mould Riser	246 x 46 x 86	2
32	Mould Support Plate	246 x 246 x 36	1

Item Number	Title	Document Number	Quantity
33	Screw	M	1
34	Sprue Bush	B3-24 x 51	1
35	Sprue Puller Bush	Dia 20 x 26	1

Stepper Motor Housing Mould

NAME	DATE	AGRIGEL	
DRAWN: DG	09/04/23	TITLE: Stepper Motor Housing & Lid Mould	
APPROVED:		SIZE: A4 DWG NO: REV:	
MATERIAL:		FILE NAME: Stepper Motor Housing Mould.dft	
TREATMENT:		SCALE: WEIGHT: SHEET 3 OF 21	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS			
1st ANGLE ANGLES ±0.1°			
2 PL ±0.02 3 PL ±0.005			

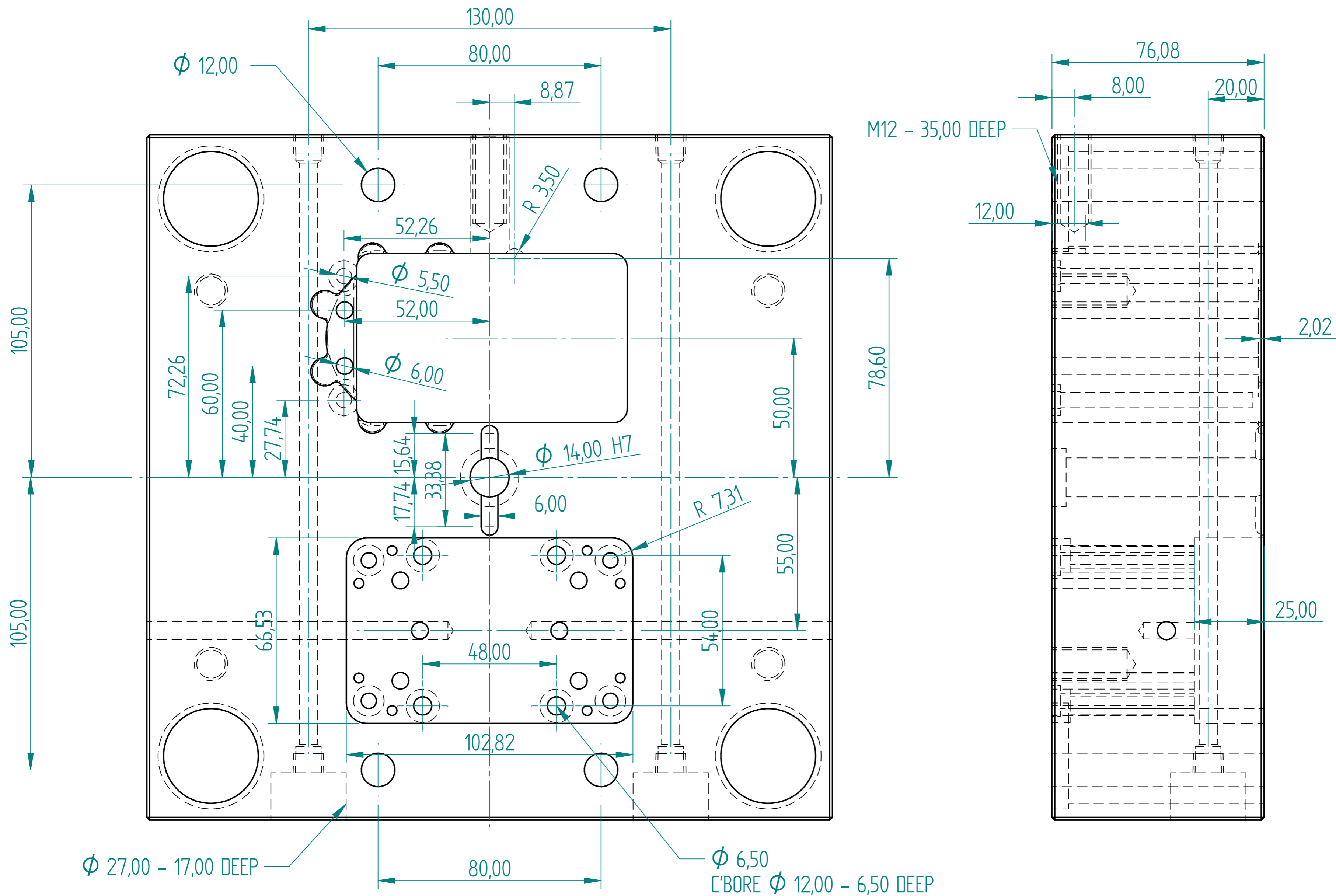
REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED



Mould Moving Half Die Plate  
POCKET WIRE CUT  
DOUBLE CUT

	NAME	DATE	<b>AGRIGEL</b>	
DRAWN	DG	09/04/23		
APPROVED				
MATERIAL				
TREATMENT			TITLE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS			SIZE	DWG NO
1 <sup>st</sup> ANGLE			A4	
2 PL ±0.02 3 PL ±0.005			FILE NAME: Stepper Motor Housing Mould.dft	REV
			SCALE:	WEIGHT:
			SHEET 4 OF 21	

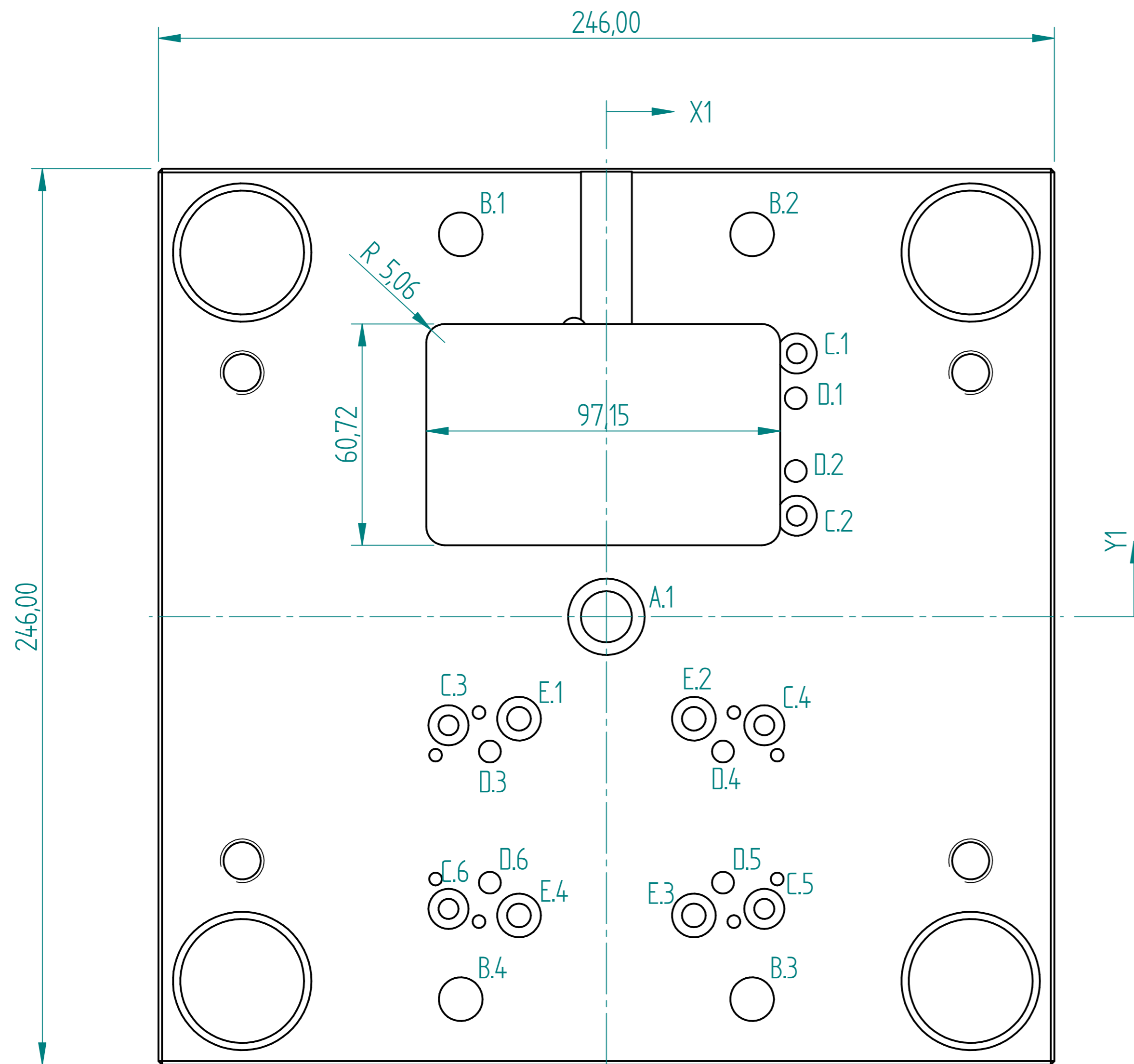
REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED



Mould Moving Half Die Plate

DRAWN	OG	DATE	09/04/23	<b>AGRIGEL</b>
APPROVED				
MATERIAL				
TREATMENT				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS				TITLE
1st ANGLE				Stepper Motor Housing & Lid Mould
2 PL ±0.02 3 PL ±0.005				SIZE A4 DWG NO
				FILE NAME: Stepper Motor Housing Mould.dft
				SCALE: WEIGHT: SHEET 5 OF 21

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED

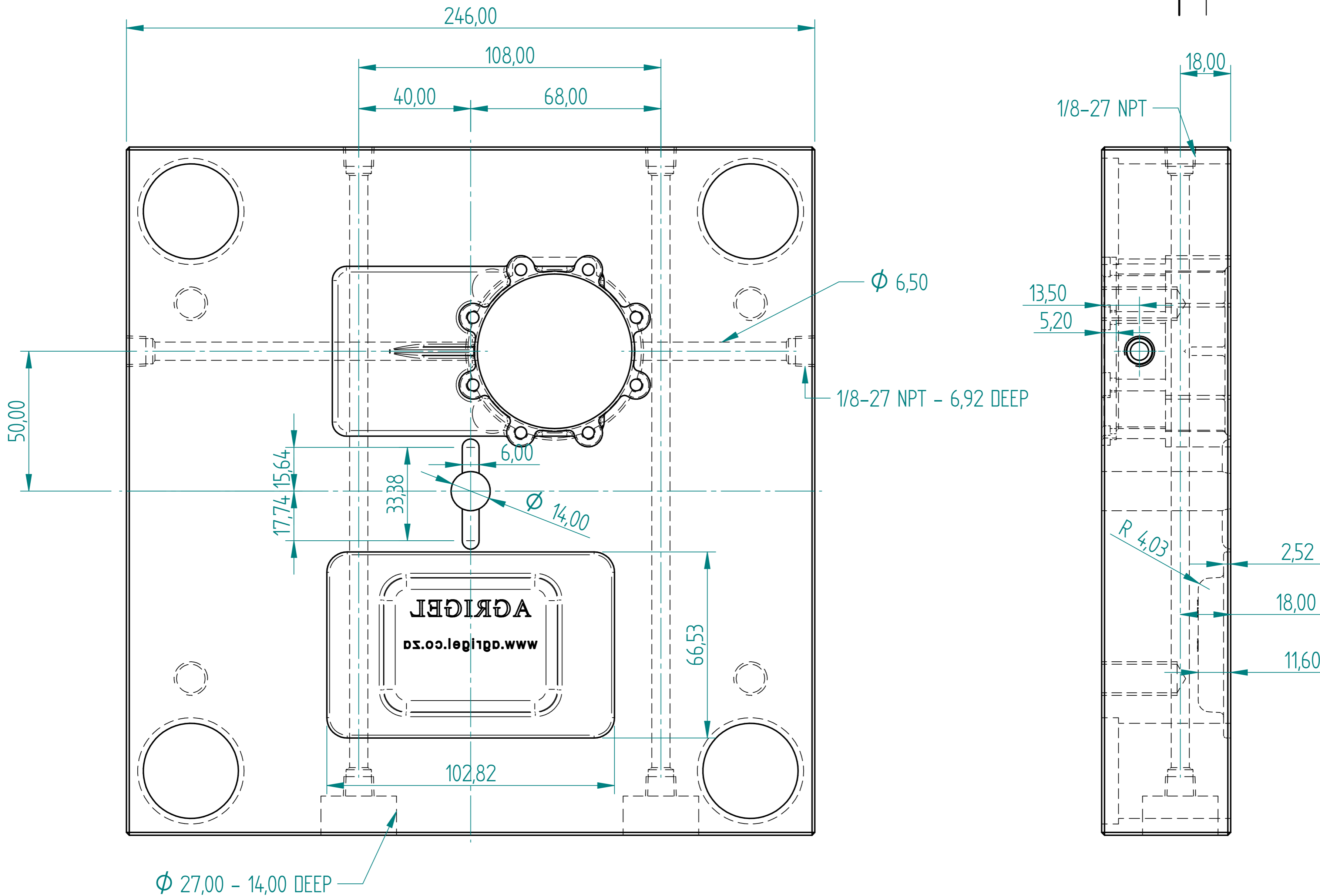


Hole Table			
Hole	X	Y	Hole Type H7
A.1	0,00	0,00	φ 14,00 CB φ 21,00-5,05
B.1	-40,00	105,00	φ 12,00
B.2	40,00	105,00	φ 12,00
B.3	40,00	-105,00	φ 12,00
B.4	-40,00	-105,00	φ 12,00
C.1	52,26	72,26	φ 5,50 CB φ 11,00-3,05
C.2	52,26	27,74	φ 5,50 CB φ 11,00-3,05
C.3	-43,34	-29,80	φ 5,50 CB φ 11,00-3,03
C.4	43,34	-29,80	φ 5,50 CB φ 11,00-3,03
C.5	43,34	-80,20	φ 5,50 CB φ 11,00-3,03
C.6	-43,34	-80,20	φ 5,50 CB φ 11,00-3,03
D.1	52,00	60,00	φ 6,00
D.2	52,00	40,00	φ 6,00
D.3	-32,00	-37,00	φ 6,00
D.4	32,00	-37,00	φ 6,00
D.5	32,00	-73,00	φ 6,00
D.6	-32,00	-73,00	φ 6,00
E.1	-24,00	-28,00	φ 6,50 CB φ 12,00-6,50
E.2	24,00	-28,00	φ 6,50 CB φ 12,00-6,50
E.3	24,00	-82,00	φ 6,50 CB φ 12,00-6,50
E.4	-24,00	-82,00	φ 6,50 CB φ 12,00-6,50

Mould Moving Half Die Plate

	NAME	DATE	<b>AGRIGEL</b>	
DRAWN	DG	09/04/23		
APPROVED			TITLE Stepper Motor Housing & Lid Mould	
MATERIAL				
TREATMENT			SIZE A4	DWG NO
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS			FILE NAME: Stepper Motor Housing Mould.dft	REV
1 <sup>st</sup> ANGLE 2 PL ±0.02 3 PL ±0.005			SCALE:	WEIGHT:
			SHEET 6 OF 21	

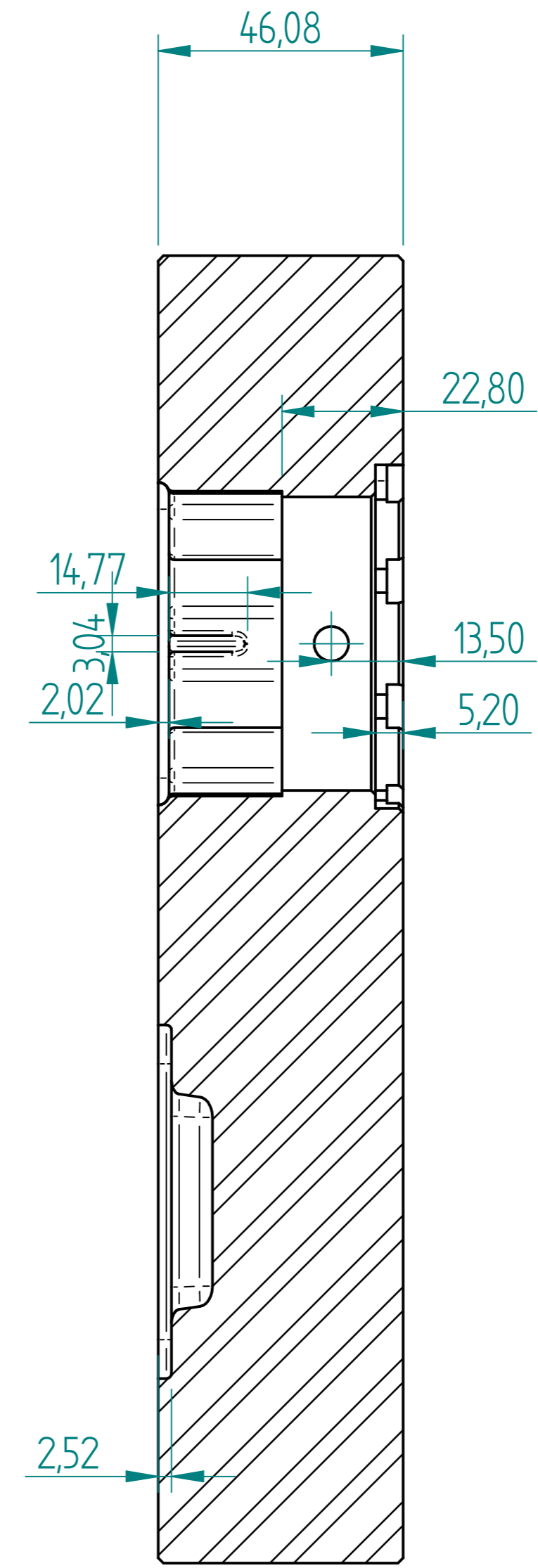
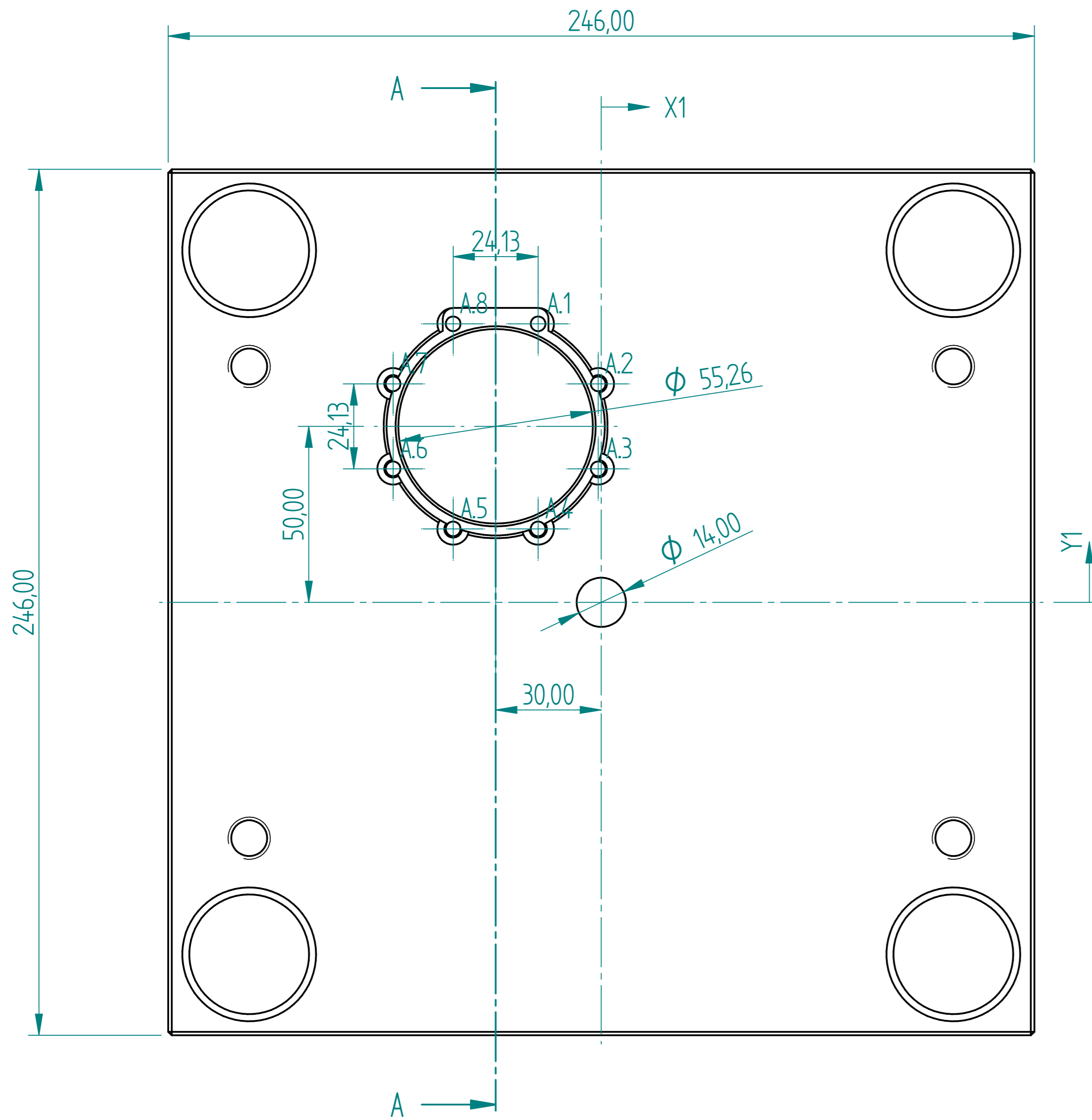
REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED



Mould Fixed Half Die Plate

DRAWN	OG	DATE	09/04/23	<b>AGRIGEL</b>
APPROVED				
MATERIAL				
TREATMENT				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS				TITLE
1st ANGLE				SIZE
2 PL ±0.02 3 PL ±0.005				A4
				DWG NO
				REV
				FILE NAME: Stepper Motor Housing Mould.dft
SCALE:		WEIGHT:		SHEET 7 OF 21

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED



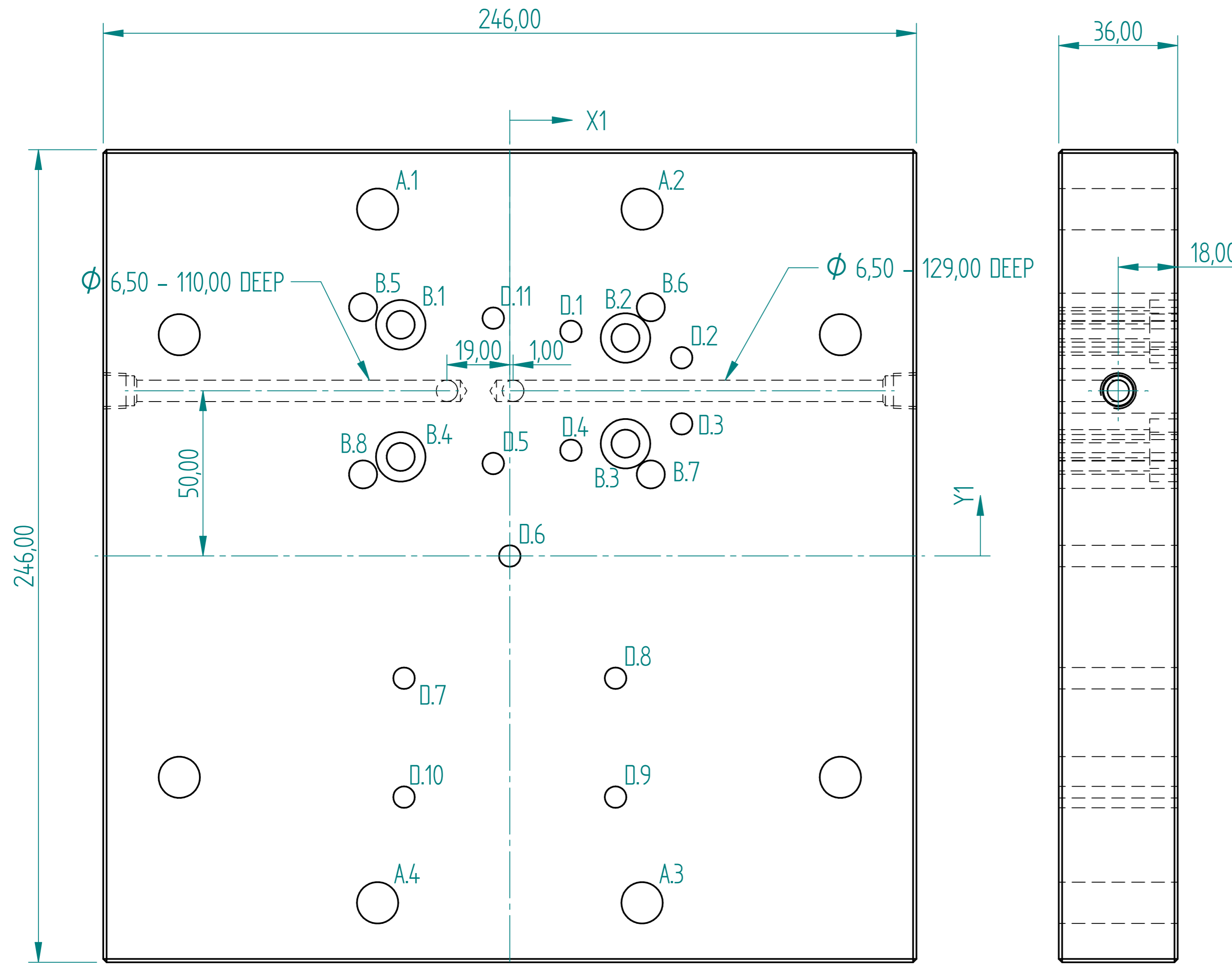
Hole Table			
Hole	X	Y	Size
A.1	-17,94	79,12	φ 4,20
A.2	-0,88	62,06	φ 4,20
A.3	-0,88	37,94	φ 4,20
A.4	-17,94	20,88	φ 4,20
A.5	-42,06	20,88	φ 4,20
A.6	-59,12	37,94	φ 4,20
A.7	-59,12	62,06	φ 4,20
A.8	-42,06	79,12	φ 4,20

Mould Fixed Half Die Plate

SECTION A-A

	NAME	DATE	<b>AGRIGEL</b>		
DRAWN	DG	09/04/23			
APPROVED			TITLE Stepper Motor Housing & Lid Mould		
MATERIAL					
TREATMENT			SIZE A4	DWG NO	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS			FILE NAME: Stepper Motor Housing Mould.dft		
1st ANGLE ANGLES ±0.1°			SCALE:	WEIGHT:	SHEET 8 OF 21
2 PL ±0.02 3 PL ±0.005					

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED

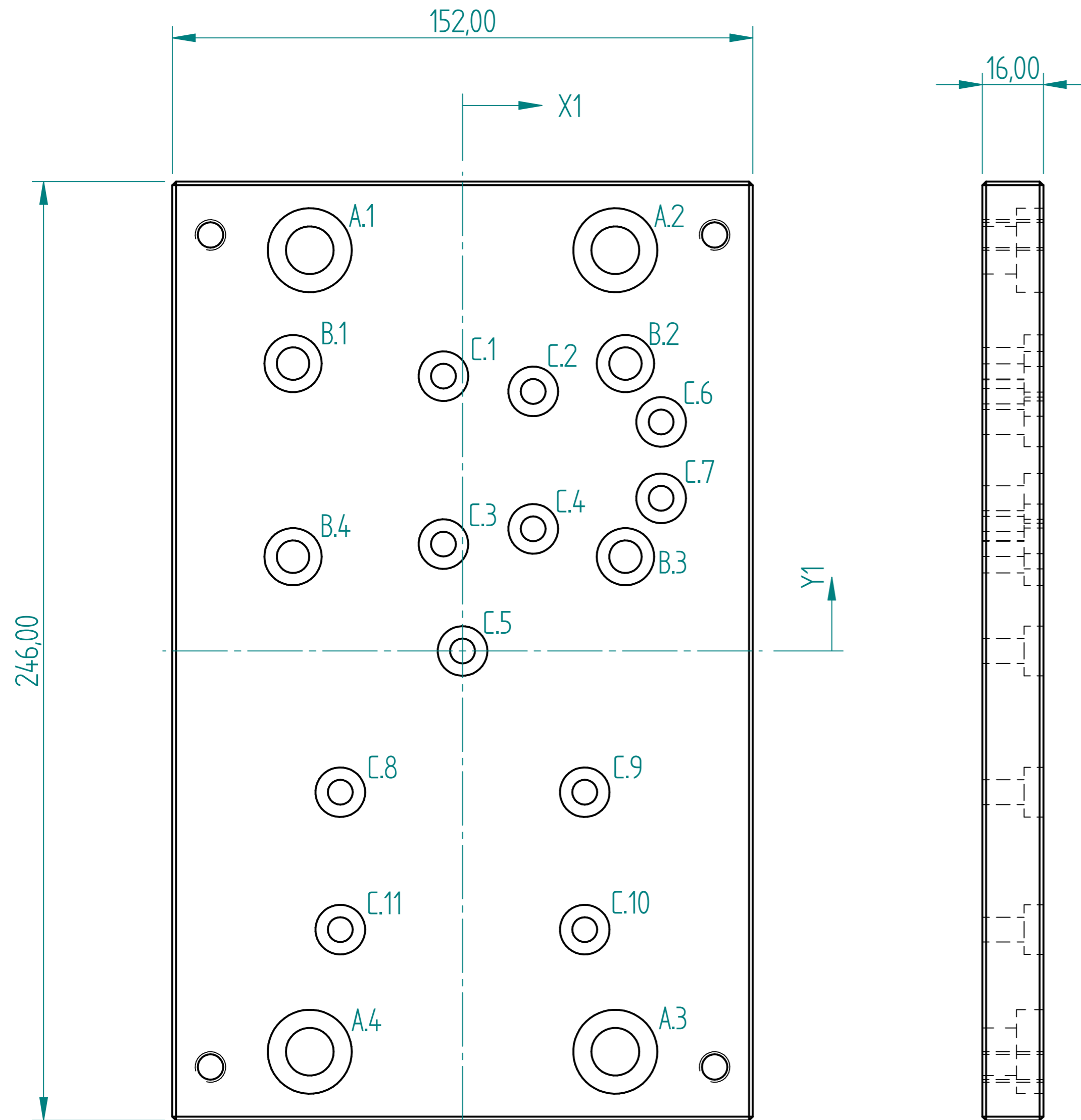


Hole Table				
Hole	X	Y	Size	Hole Type
A.1	-40,00	105,00	Ø 12,50	
A.2	40,00	105,00	Ø 12,50	
A.3	40,00	-105,00	Ø 12,50	
A.4	-40,00	-105,00	Ø 12,50	
B.1	-33,00	70,00	Ø 8,50	CB Ø 15,00-8,50
B.2	35,00	66,00	Ø 8,50	CB Ø 15,00-8,50
B.3	35,00	34,00	Ø 8,50	CB Ø 15,00-8,50
B.4	-33,00	30,00	Ø 8,50	CB Ø 15,00-8,50
B.5	-44,38	75,30	Ø 8,50	
B.6	42,65	75,30	Ø 8,50	
B.7	42,65	24,70	Ø 8,50	
B.8	-44,38	24,70	Ø 8,50	
D.1	18,50	68,00	Ø 6,50	
D.2	52,00	60,00	Ø 6,50	
D.3	52,00	40,00	Ø 6,50	
D.4	18,50	32,00	Ø 6,50	
D.5	-5,00	28,00	Ø 6,50	
D.6	0,00	0,00	Ø 6,50	
D.7	-32,00	-37,00	Ø 6,50	
D.8	32,00	-37,00	Ø 6,50	
D.9	32,00	-73,00	Ø 6,50	
D.10	-32,00	-73,00	Ø 6,50	
D.11	-5,00	72,00	Ø 6,50	

Mould Support Plate

DRAWN	NAME	DATE	<b>AGRIGEL</b>	
APPROVED	OG	09/04/23		
MATERIAL			TITLE	
TREATMENT			Stepper Motor Housing & Lid Mould	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS			SIZE	DWG NO
1st ANGLE			A4	
ANGLES ±0.1°			FILE NAME: Stepper Motor Housing Mould.dft	
2 PL ±0.02 3 PL ±0.005			SCALE:	WEIGHT: SHEET 9 OF 21

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED

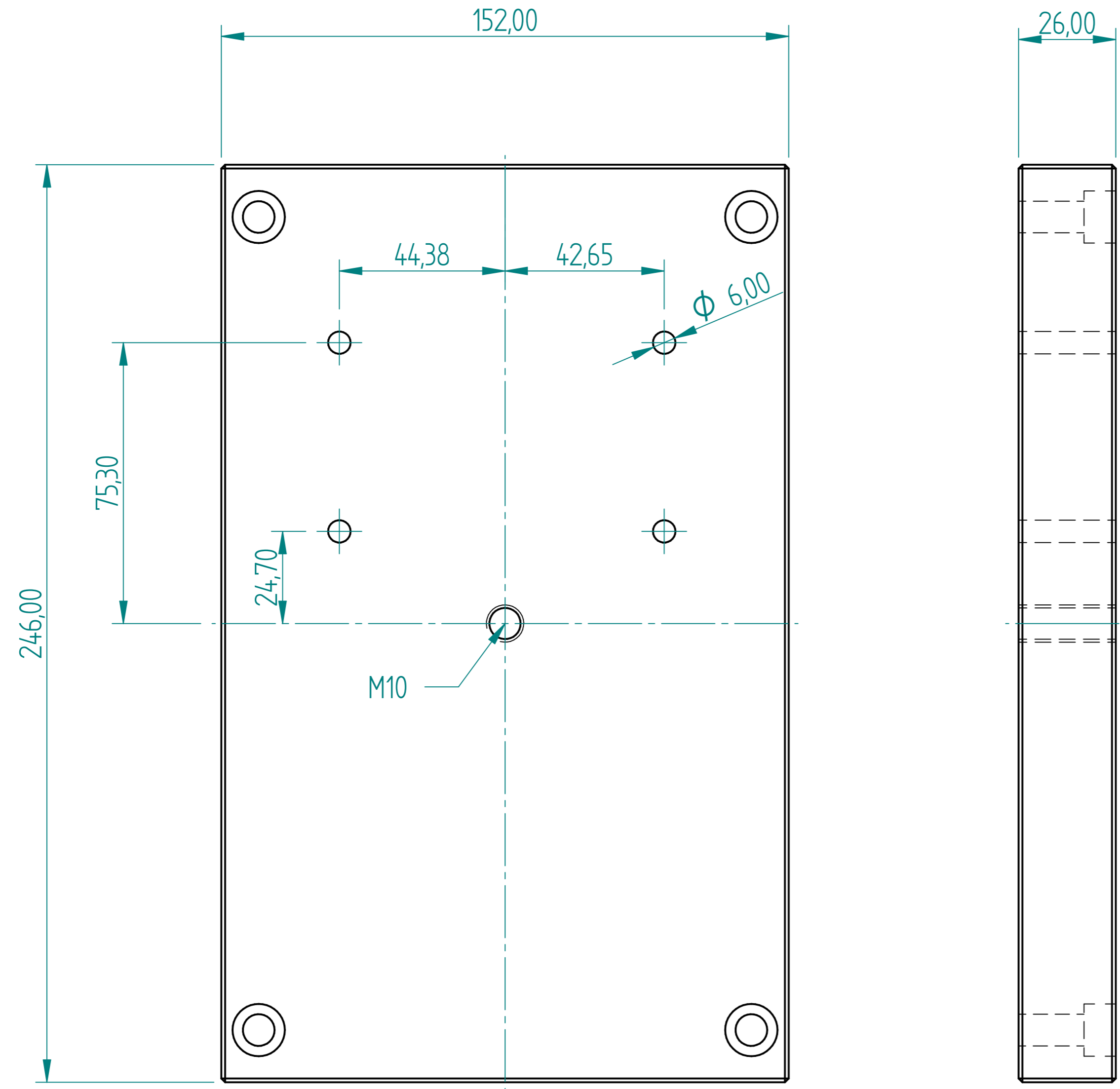


Hole Table			
Hole	X	Y	Hole Type H7
A.1	-40,00	105,00	φ 12,50 CB φ 22,00-7,05
A.2	40,00	105,00	φ 12,50 CB φ 22,00-7,05
A.3	40,00	-105,00	φ 12,50 CB φ 22,00-7,05
A.4	-40,00	-105,00	φ 12,50 CB φ 22,00-7,05
B.1	-44,38	75,30	φ 8,50 CB φ 15,00-5,05
B.2	42,65	75,30	φ 8,50 CB φ 15,00-5,05
B.3	42,65	24,70	φ 8,50 CB φ 15,00-5,05
B.4	-44,38	24,70	φ 8,50 CB φ 15,00-5,05
C.1	-5,00	72,00	φ 6,50 CB φ 13,00-5,05
C.2	18,50	68,00	φ 6,50 CB φ 13,00-5,05
C.3	-5,00	28,00	φ 6,50 CB φ 13,00-5,05
C.4	18,50	32,00	φ 6,50 CB φ 13,00-5,05
C.5	0,00	0,00	φ 6,50 CB φ 13,00-5,05
C.6	52,00	60,00	φ 6,50 CB φ 13,00-5,05
C.7	52,00	40,00	φ 6,50 CB φ 13,00-5,05
C.8	-32,00	-37,00	φ 6,50 CB φ 13,00-5,05
C.9	32,00	-37,00	φ 6,50 CB φ 13,00-5,05
C.10	32,00	-73,00	φ 6,50 CB φ 13,00-5,05
C.11	-32,00	-73,00	φ 6,50 CB φ 13,00-5,05

Mould Ejector Plate

	NAME	DATE	<b>AGRIGEL</b>	
DRAWN	DG	09/04/23		
APPROVED				
MATERIAL				
TREATMENT			TITLE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS			SIZE	DWG NO
1 <sup>st</sup> ANGLE			A4	
2 PL ±0.02 3 PL ±0.005			FILE NAME: Stepper Motor Housing Mould.dft	REV
			SCALE:	WEIGHT:
				SHEET 10 OF 21

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED

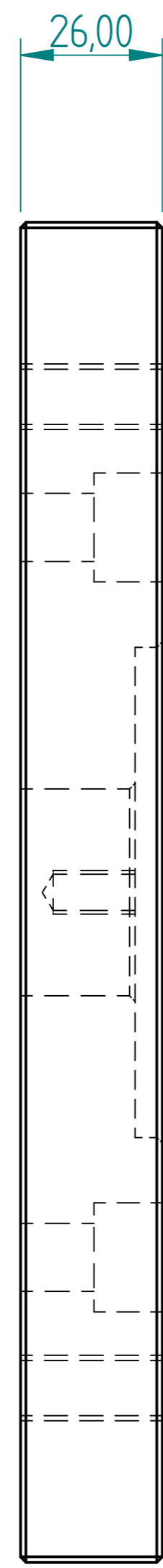
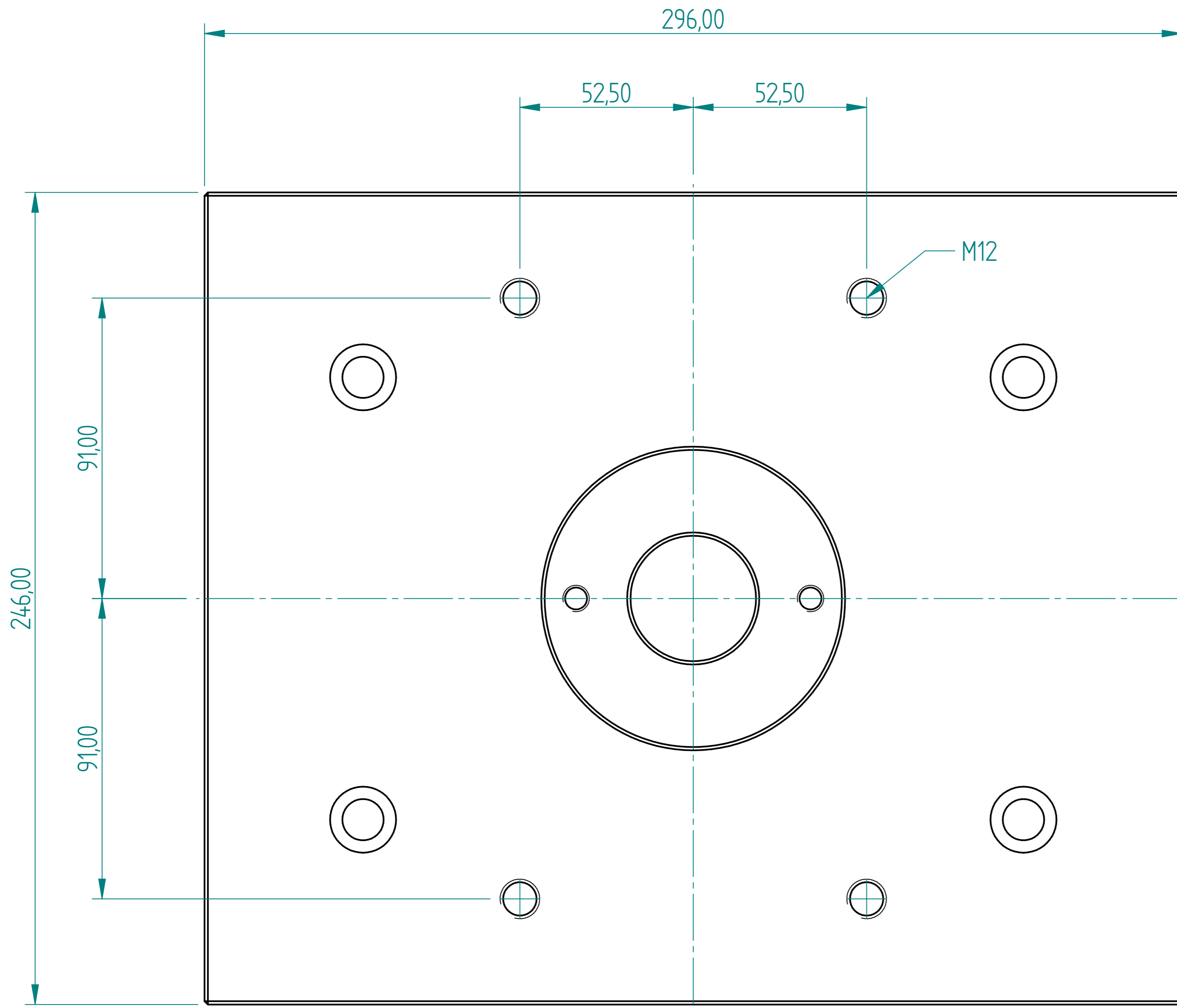


Mould Ejector Clamping Plate

	NAME	DATE	<b>AGRIGEL</b>		
DRAWN	DG	09/04/23			
APPROVED			TITLE Stepper Motor Housing & Lid Mould		
MATERIAL					
TREATMENT			SIZE A4	DWG NO	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS			FILE NAME: Stepper Motor Housing Mould.dft		
1st ANGLE 2 PL ±0.02 3 PL ±0.005			SCALE:	WEIGHT:	SHEET 11 OF 21



REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED

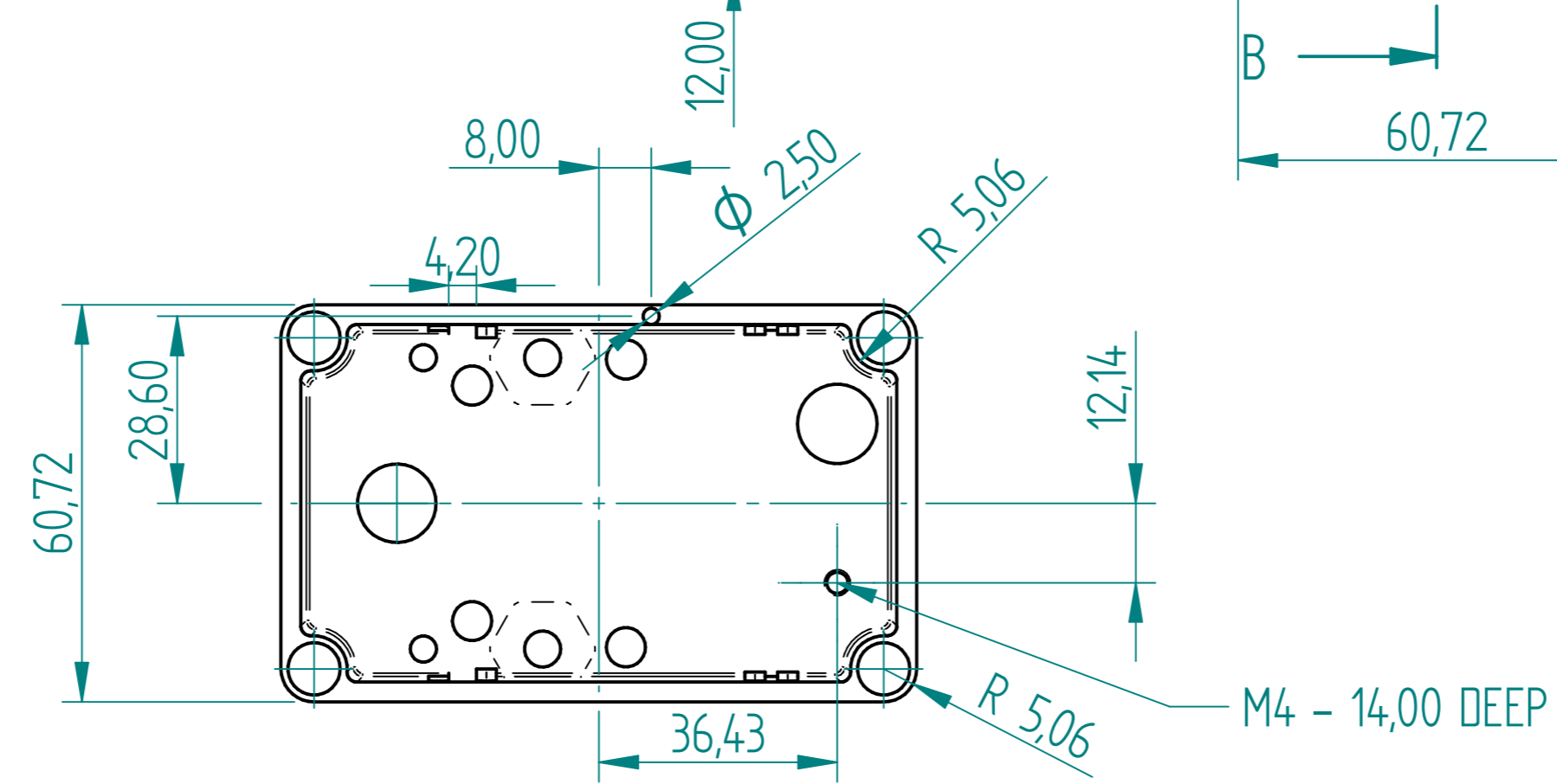
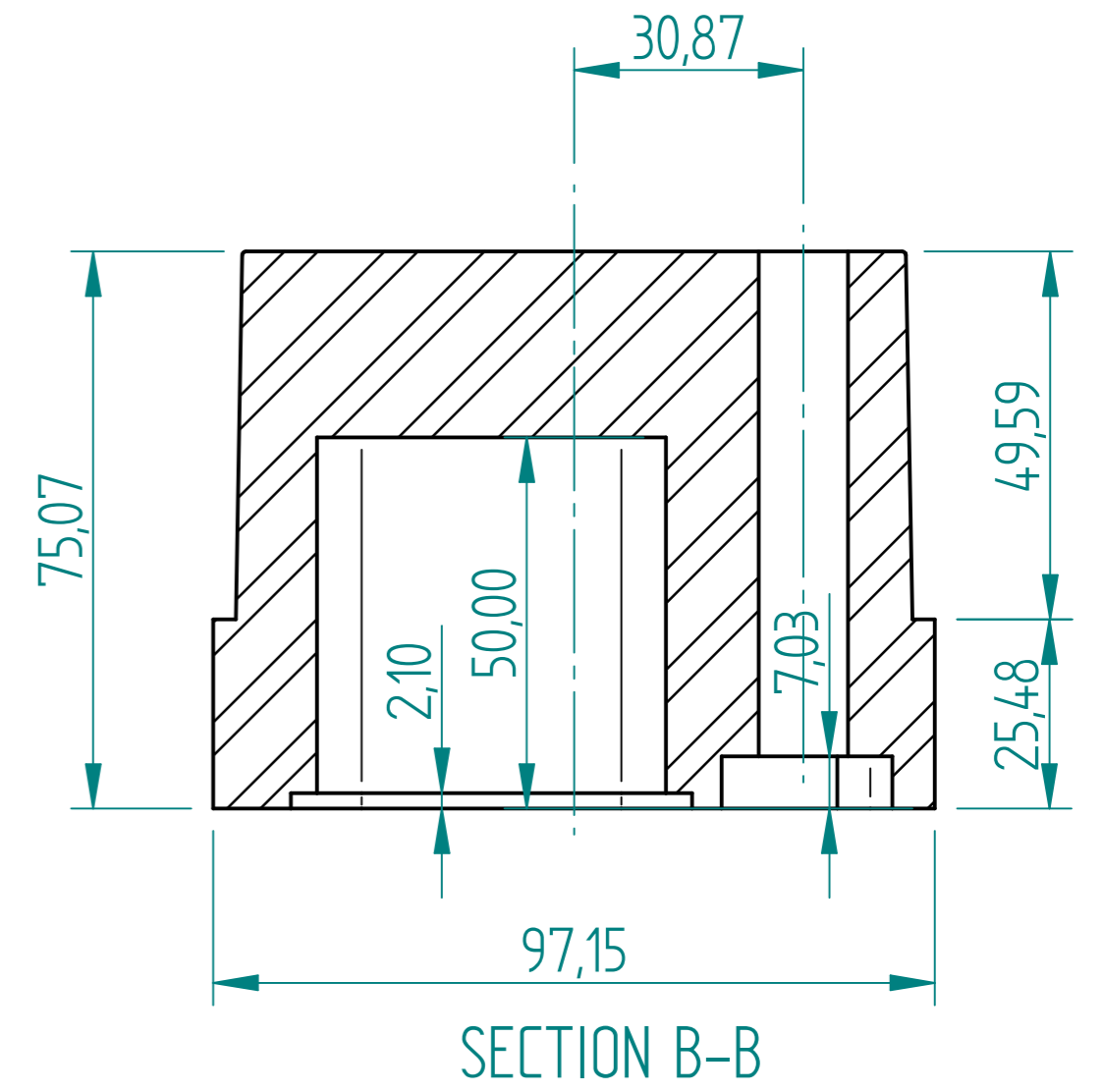
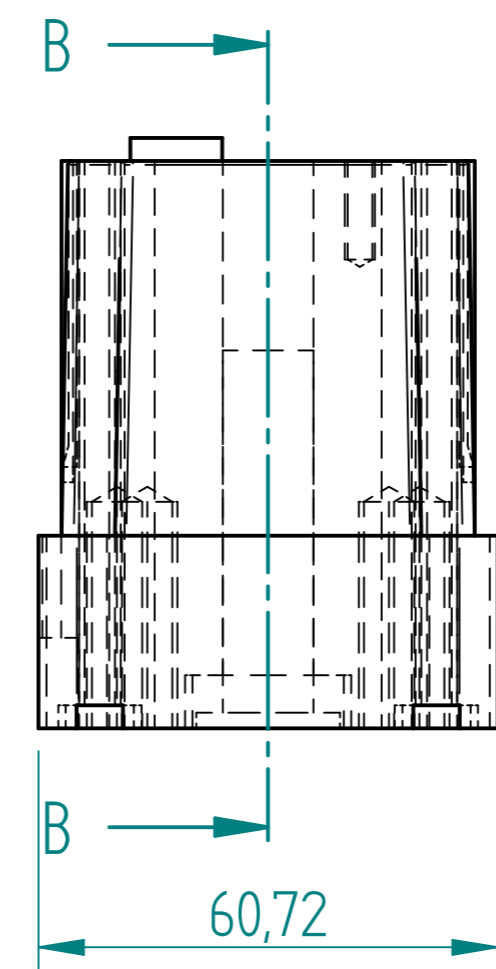
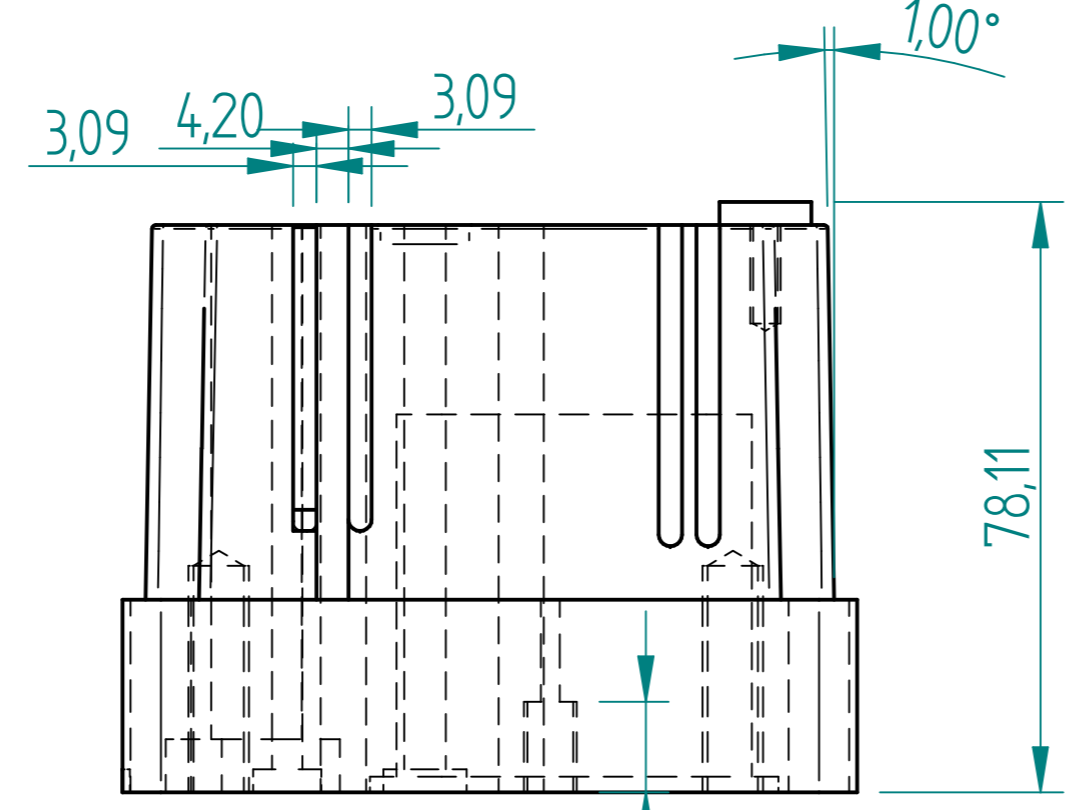
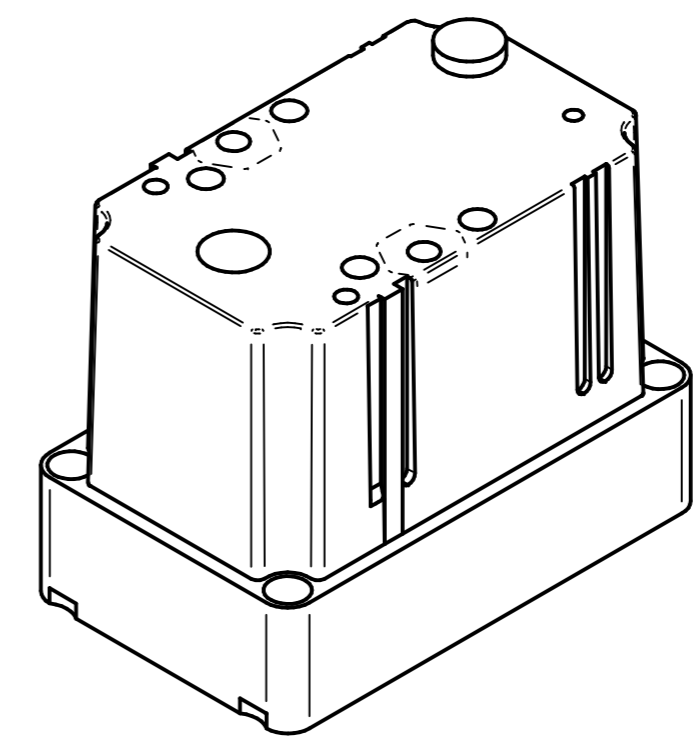
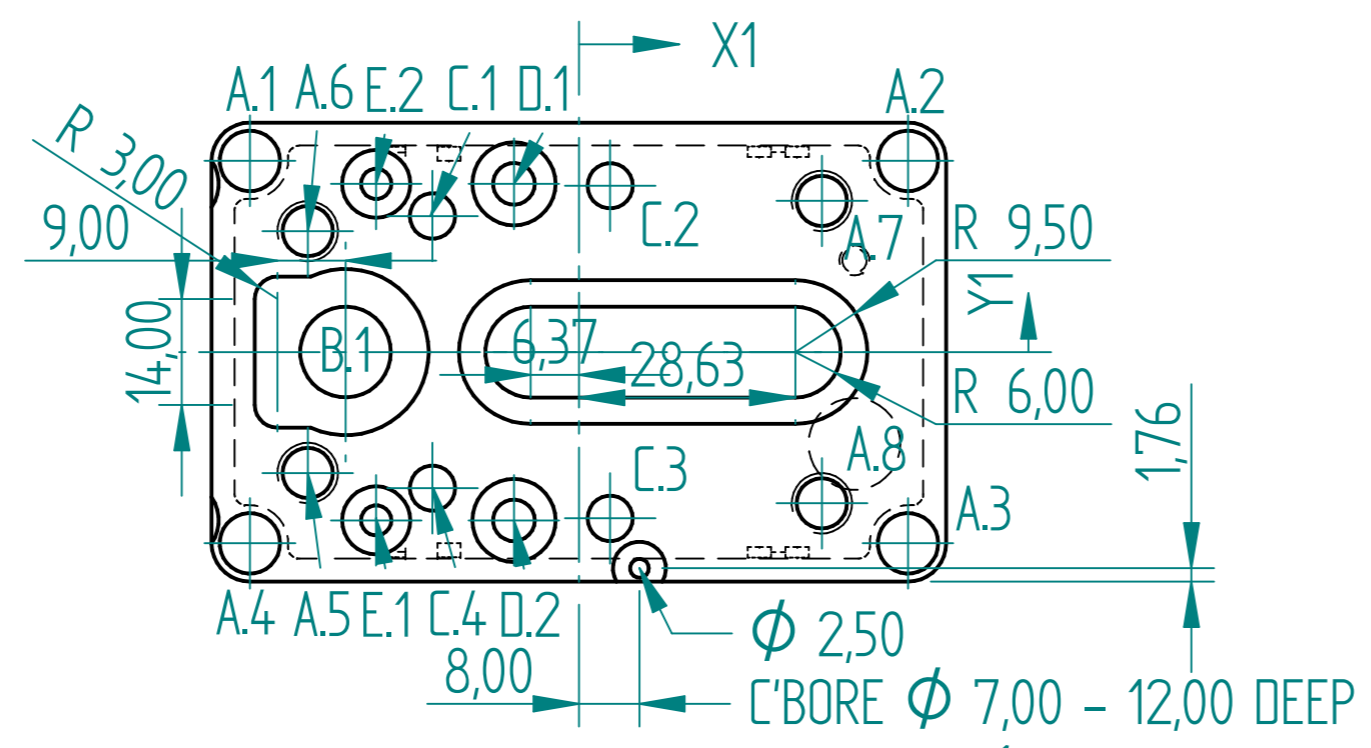


Mould Fixed Clamping Plate

DRAWN	OG	DATE	09/04/23	<b>AGRIGEL</b>
APPROVED				
MATERIAL				
TREATMENT				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS				TITLE
1 <sup>st</sup> ANGLE ANGLES ±0.1°				Stepper Motor Housing & Lid Mould
2 PL ±0.02 3 PL ±0.005				SIZE A4
				DWG NO
				REV
				FILE NAME: Stepper Motor Housing Mould.dft
SCALE:		WEIGHT:		SHEET 13 OF 21

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED

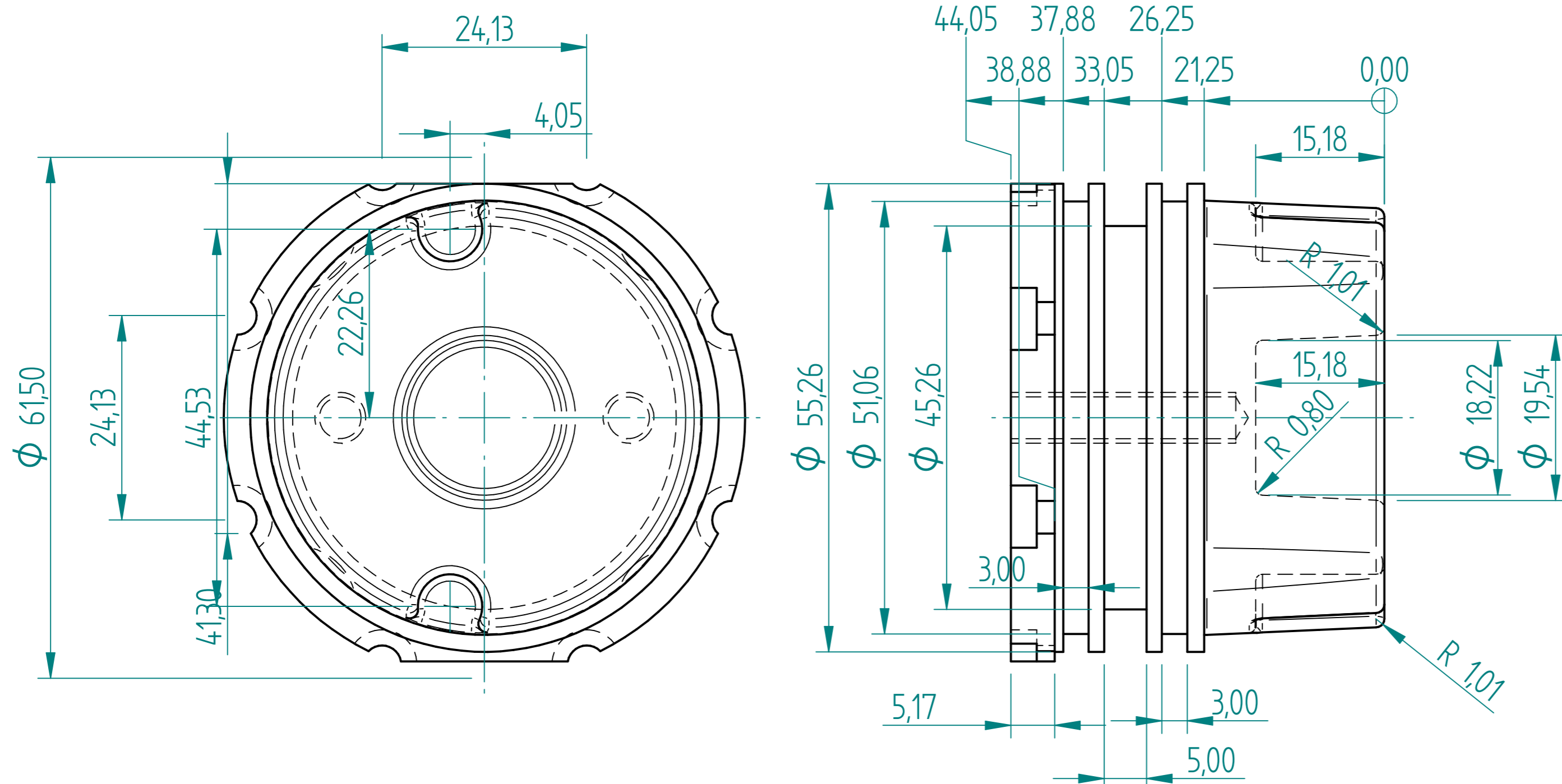
Hole Table			
Hole	X	Y	Hole Type H7
A.1	-43,52	25,30	∅ 8,00
A.2	43,52	25,30	∅ 8,00
A.3	43,52	-25,30	∅ 8,00
A.4	-43,52	-25,30	∅ 8,00
A.5	-35,87	-16,00	M8 - 32,00
A.6	-35,87	16,00	M8 - 32,00
A.7	32,13	20,00	M8 - 32,00
A.8	32,13	-20,00	M8 - 32,00
B.1	-30,87	0,00	∅ 12,00 CB ∅ 22,00-7,03
C.1	-19,37	18,00	∅ 6,00
C.2	4,13	22,00	∅ 6,00
C.3	4,13	-22,00	∅ 6,00
C.4	-19,37	-18,00	∅ 6,00
D.1	-8,60	22,26	∅ 5,50 CB ∅ 11,00-3,05
D.2	-8,60	-22,26	∅ 5,50 CB ∅ 11,00-3,05
E.1	-26,82	-22,26	∅ 4,00 CB ∅ 9,00-3,05
E.2	-26,82	22,26	∅ 4,00 CB ∅ 9,00-3,05



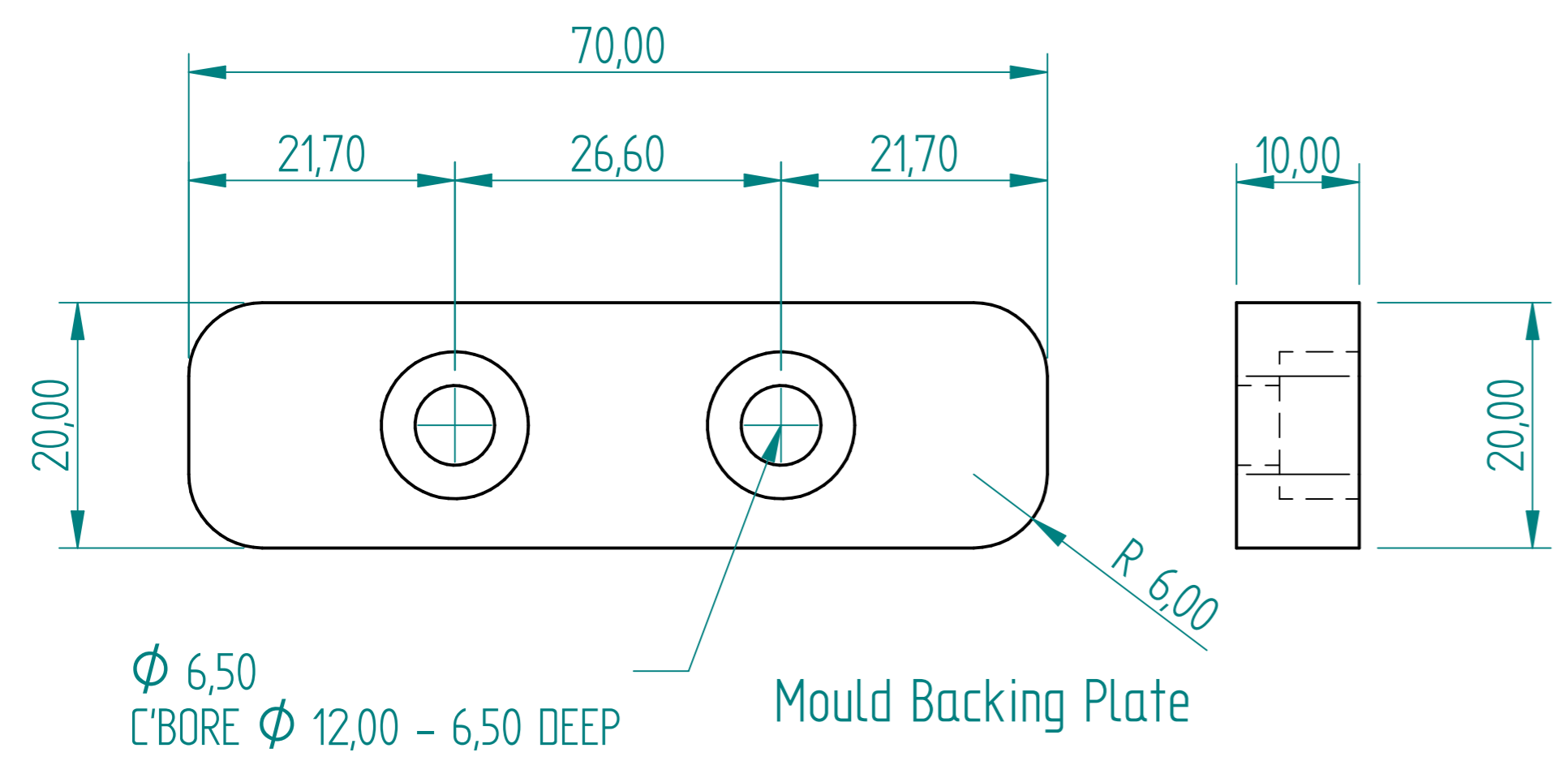
Mould Housing Insert

DRAWN	OG	DATE	09/04/23	<b>AGRIGEL</b>	
APPROVED					
MATERIAL					
TREATMENT					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS				SIZE	A4
1 <sup>st</sup> ANGLE				DWG NO	
2 PL ±0.02 3 PL ±0.005				FILE NAME:	Stepper Motor Housing Mould.dft
				SCALE:	
				WEIGHT:	
				SHEET	14 OF 21

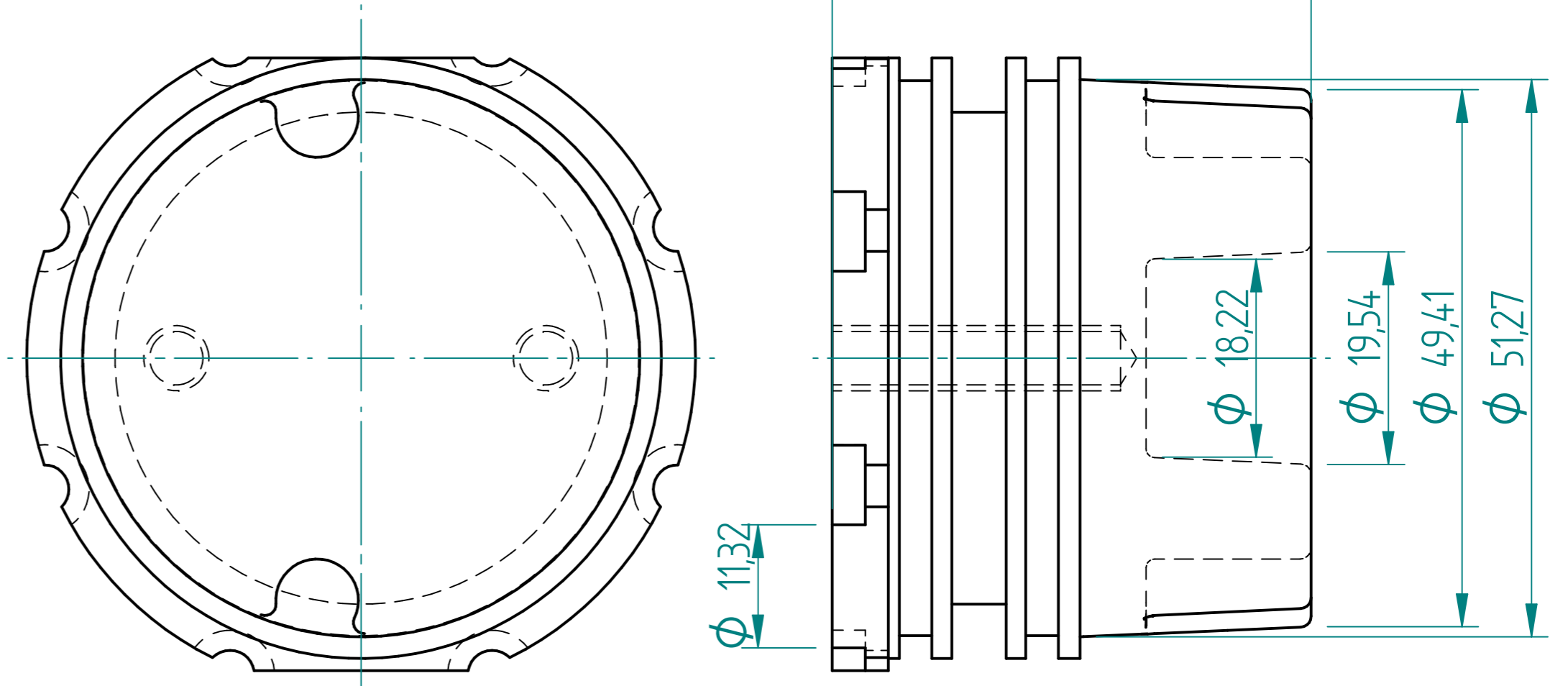
REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED



Mould Fixed Half Insert

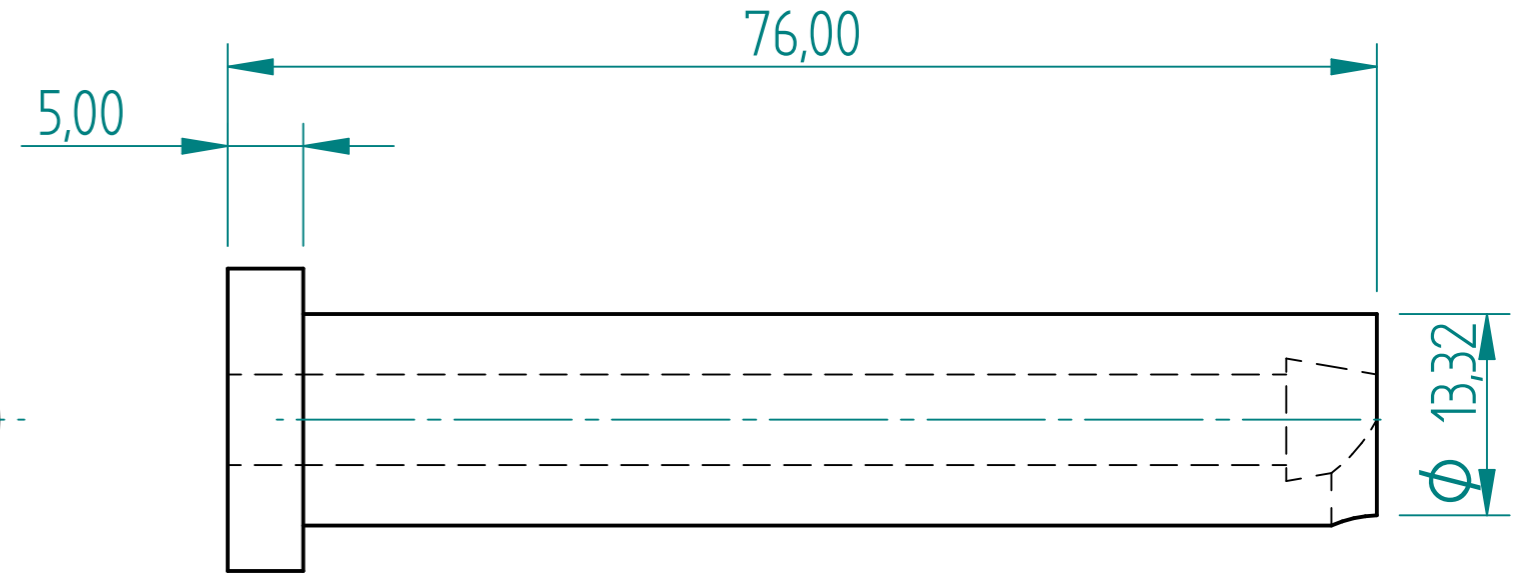
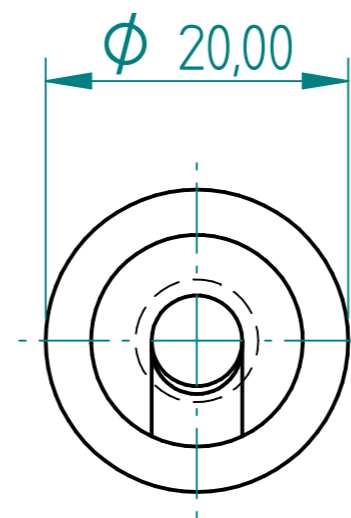
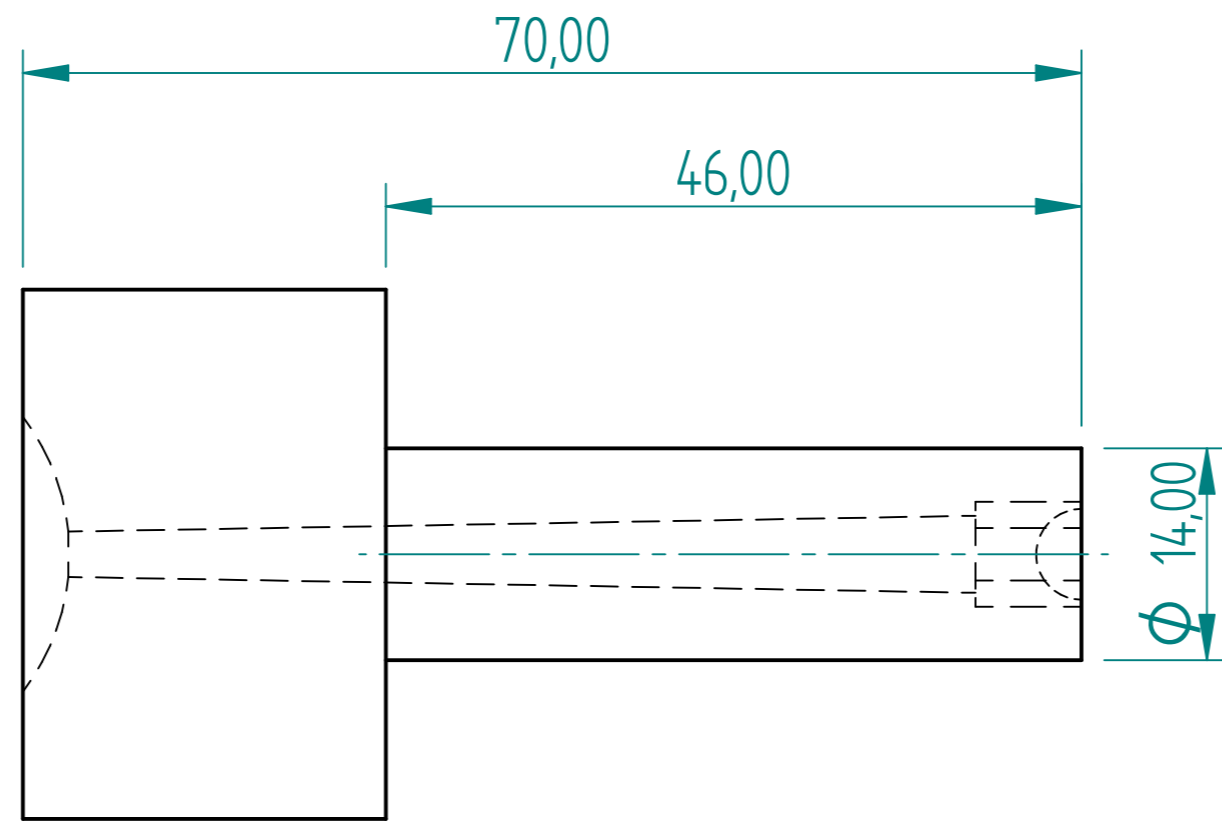
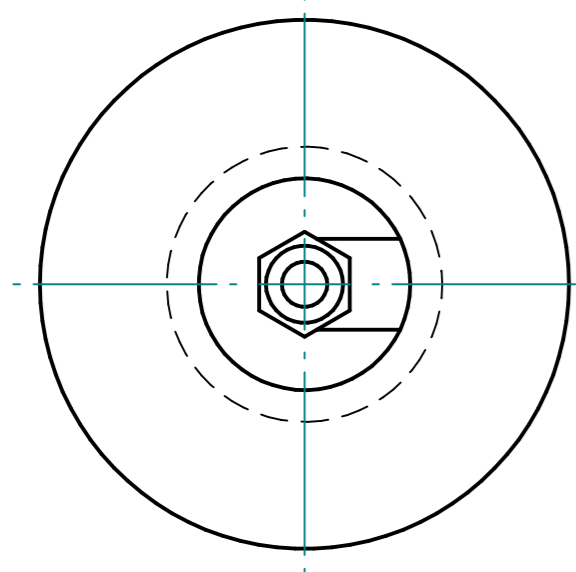


Mould Backing Plate



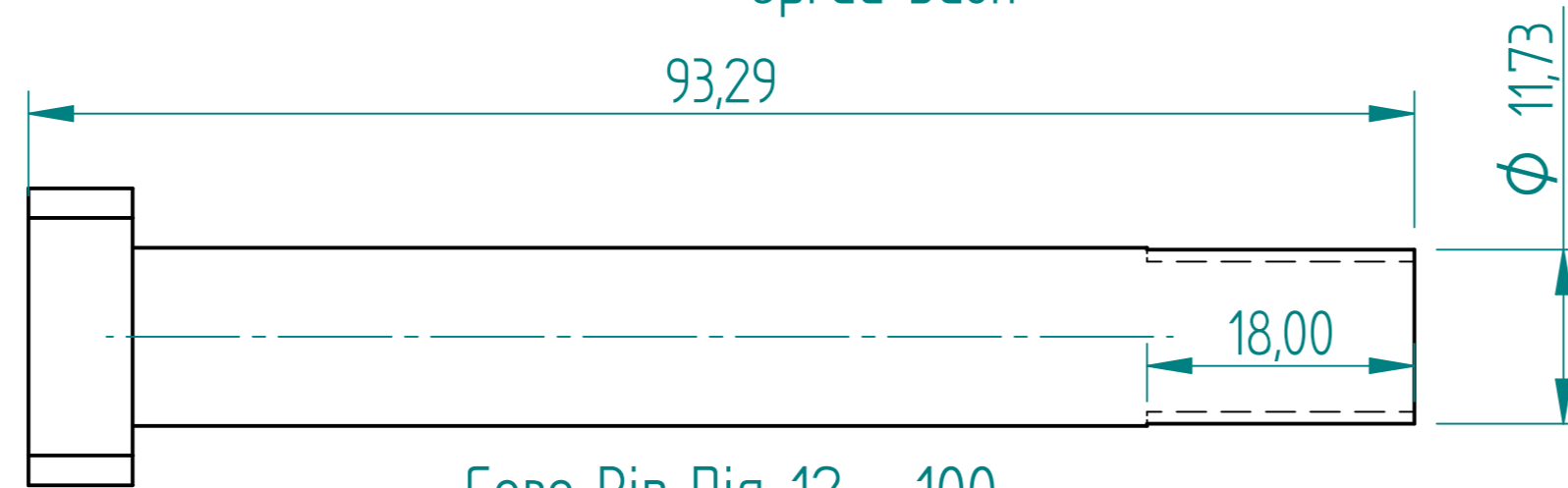
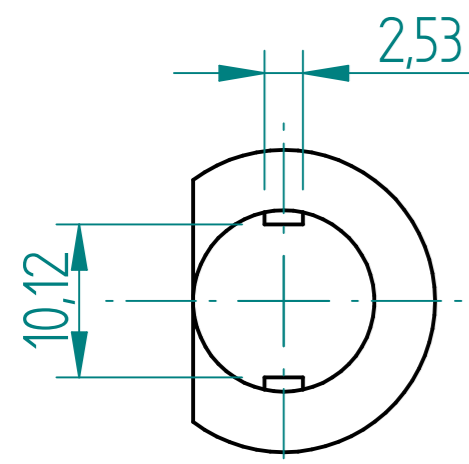
DRAWN	OG	DATE	09/04/23	<b>AGRIGEL</b>	
APPROVED					
MATERIAL					
TREATMENT					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS				SIZE	A4
1 <sup>st</sup> ANGLE				DWG NO	REV
2 PL $\pm 0,02$ 3 PL $\pm 0,005$				FILE NAME: Stepper Motor Housing Mould.dft	
				SCALE:	WEIGHT:
				SHEET 15 OF 21	

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED

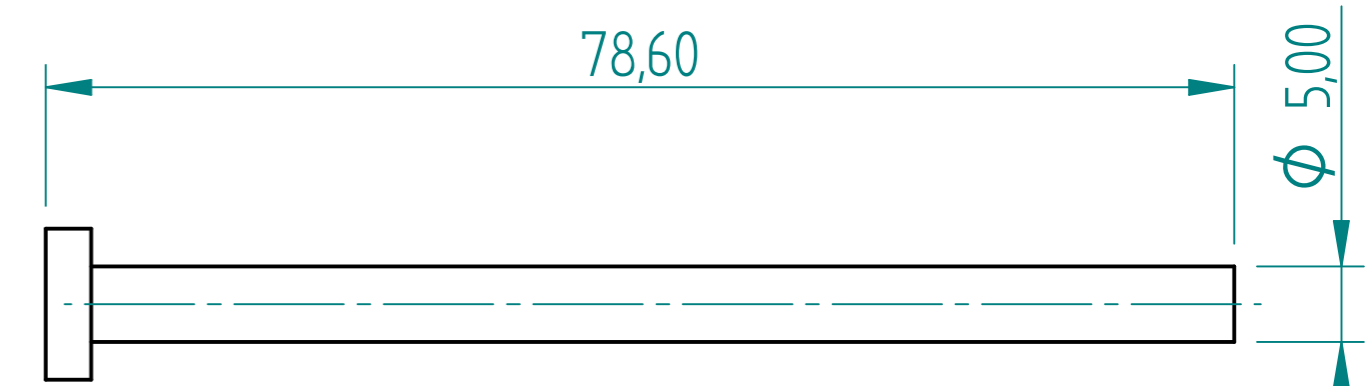
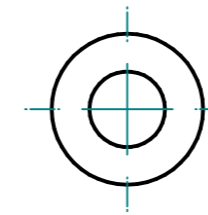


Sprue Puller Bush

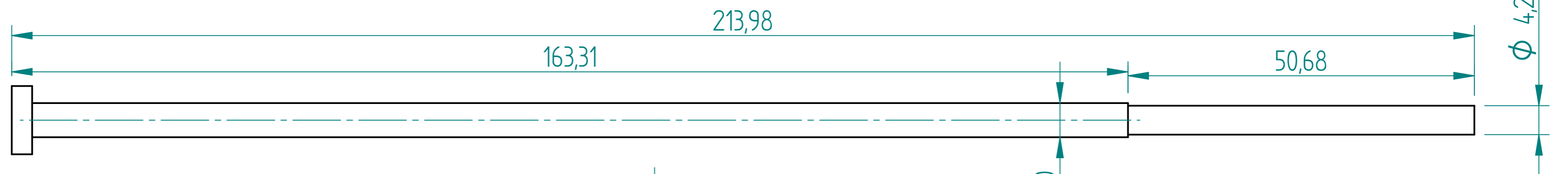
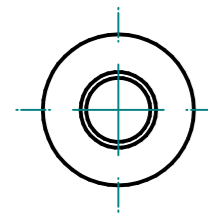
Sprue Bush



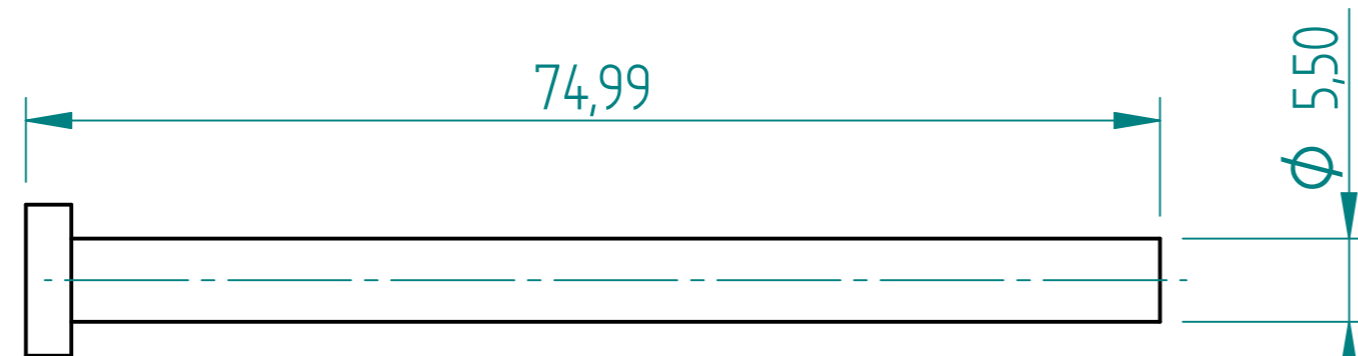
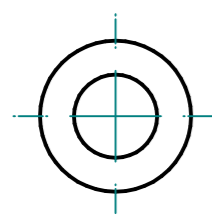
Core Pin Dia 12 - 100



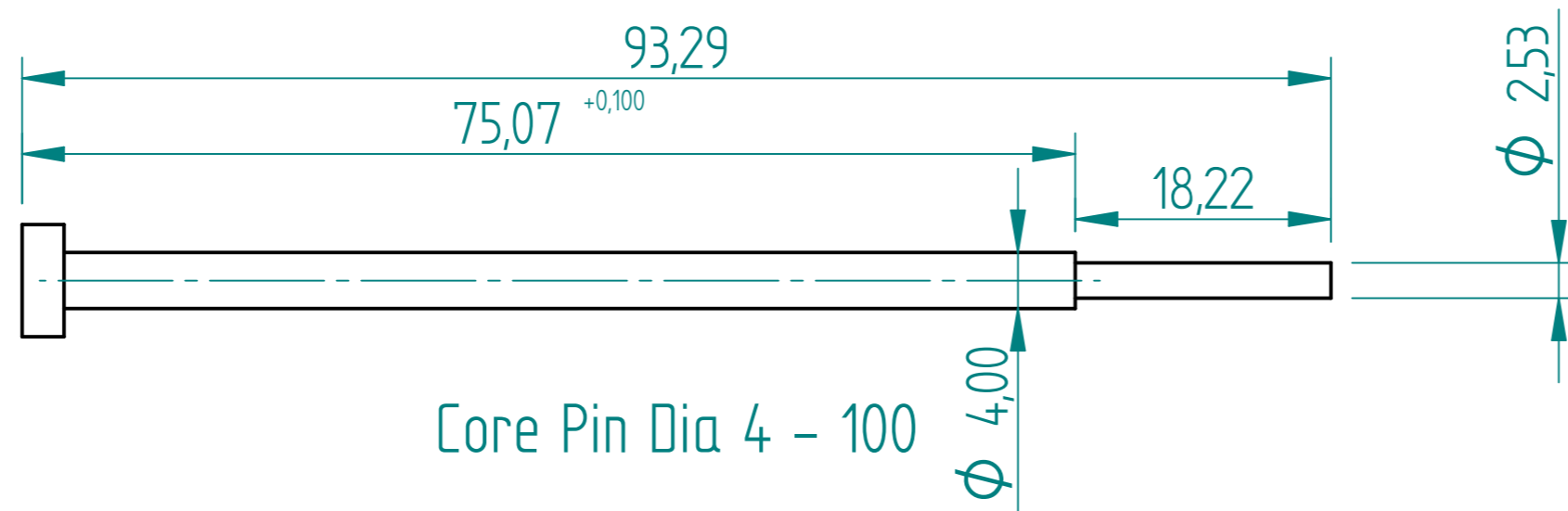
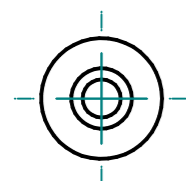
Core Pin Dia 5 - 100



Core Pin Dia 5 - 250



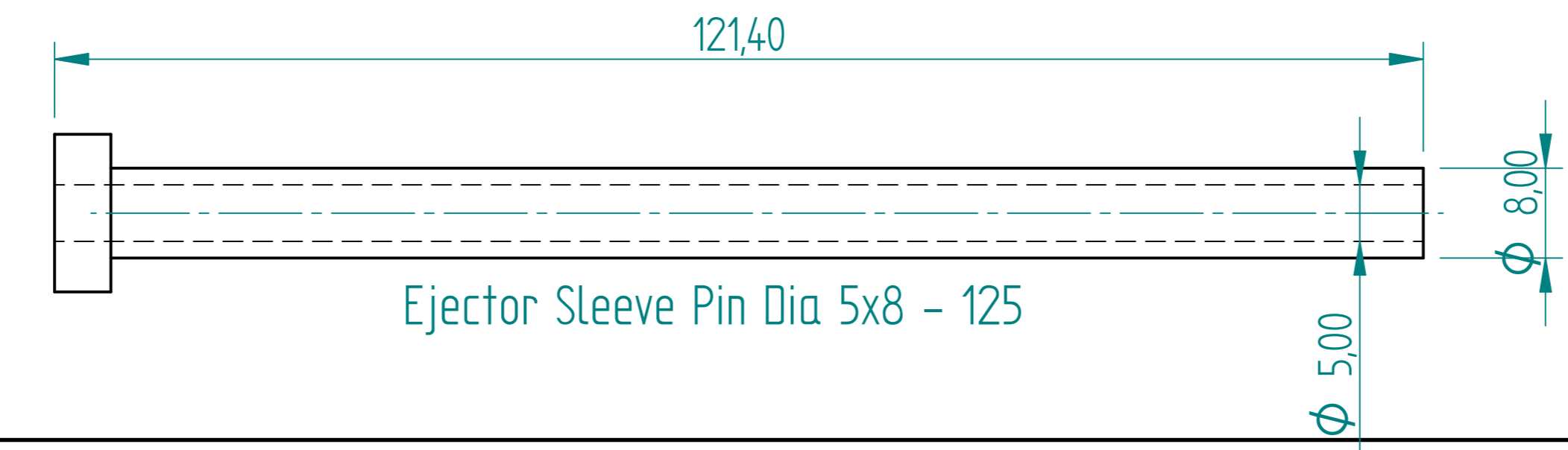
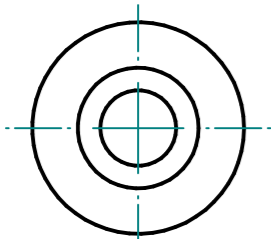
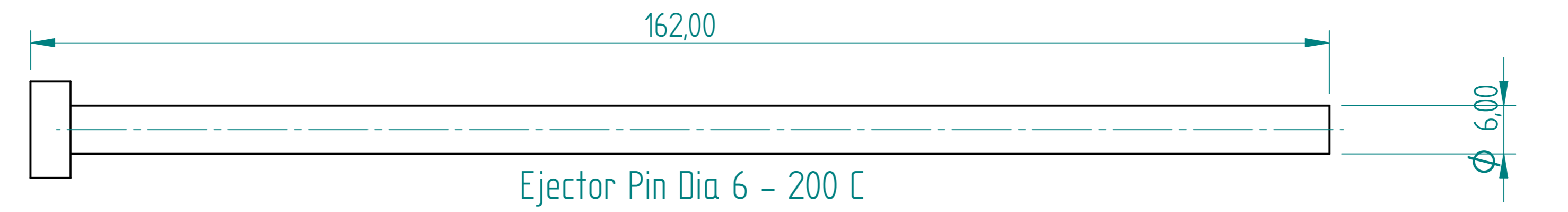
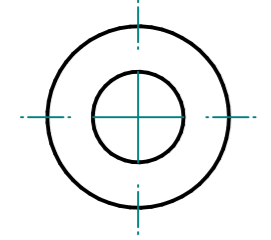
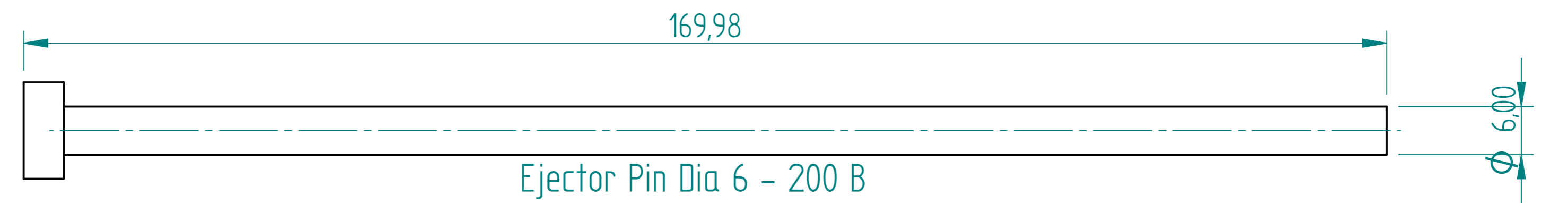
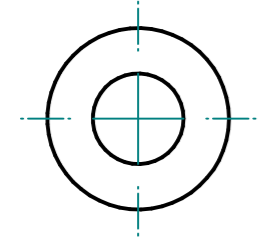
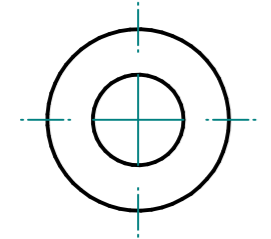
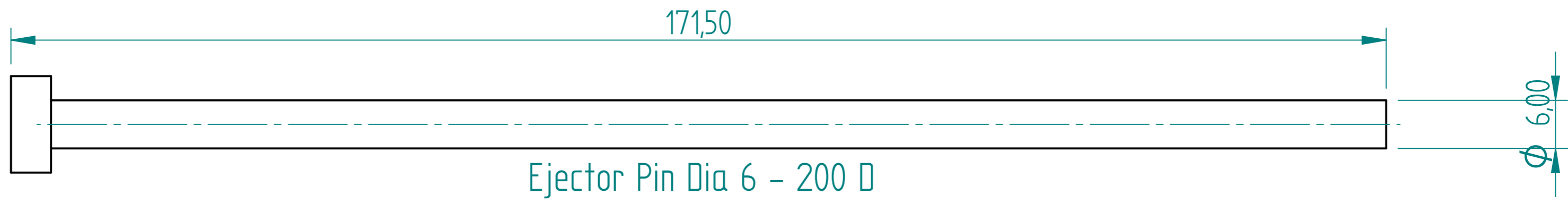
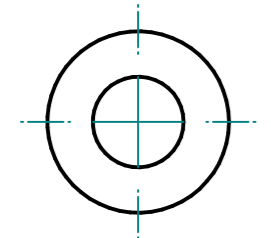
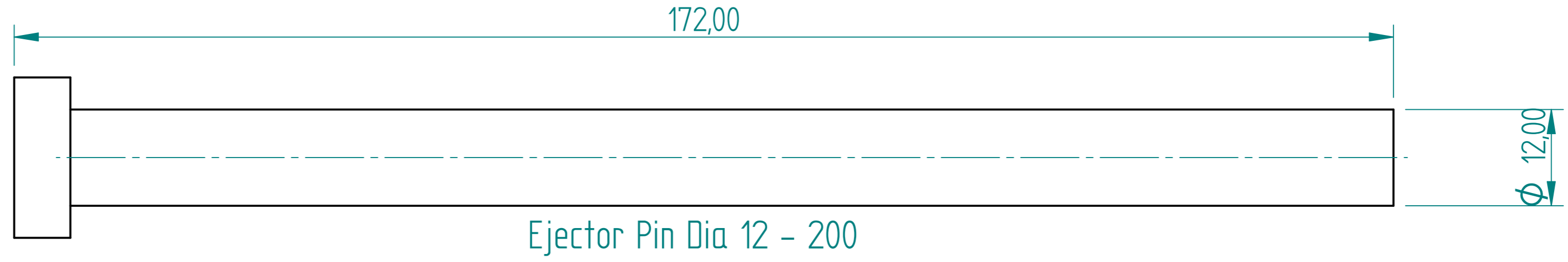
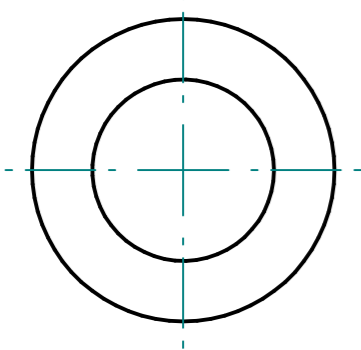
Core Pin Dia 5.5 - 100



Core Pin Dia 4 - 100

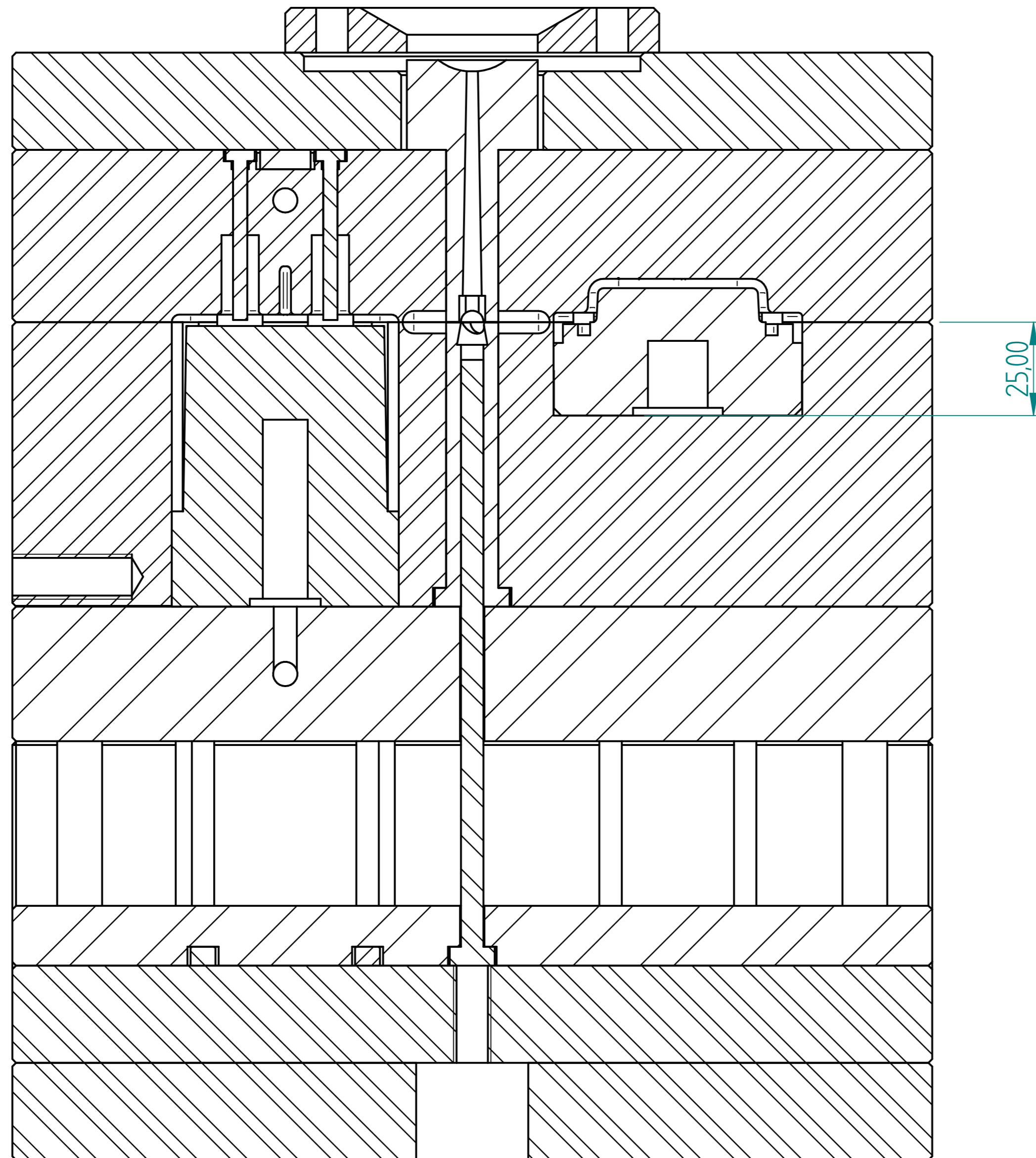
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DRAWN	DG	09/04/23	TITLE	
APPROVED			Stepper Motor Housing & Lid Mould	
MATERIAL			SIZE	DWG NO
TREATMENT			A4	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS			FILE NAME: Stepper Motor Housing Mould.dft	REV
1st ANGLE ANGLES ±0.1°			SCALE:	WEIGHT:
2 PL ±0.02 3 PL ±0.005				SHEET 16 OF 21

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED



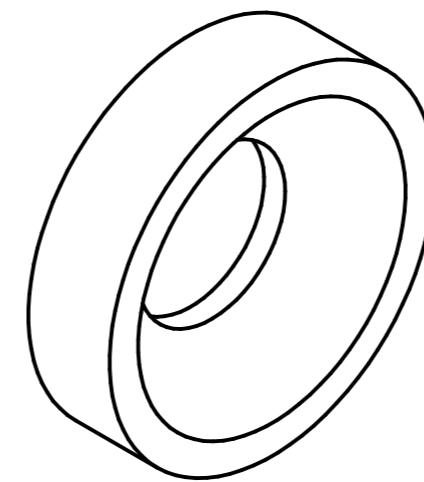
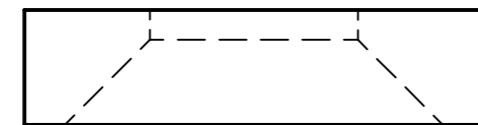
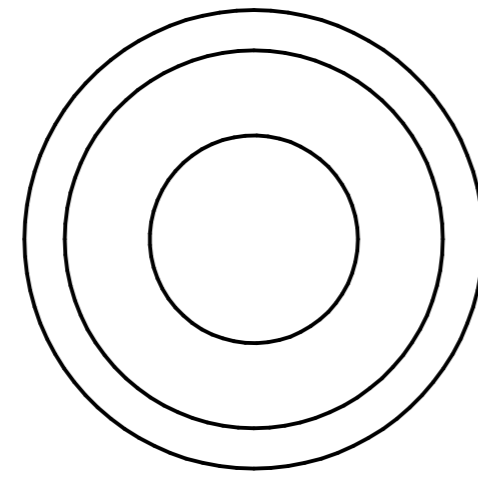
DRAWN	OG	DATE	09/04/23	<b>AGRIGEL</b>
APPROVED				
MATERIAL				
TREATMENT				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS				TITLE
ANGLES $\pm 0.1^\circ$				Stepper Motor Housing & Lid Mould
2 PL $\pm 0.02$ 3 PL $\pm 0.005$				SIZE A4 DWG NO
1st ANGLE				FILE NAME: Stepper Motor Housing Mould.dft
SCALE:				WEIGHT:
SHEET 17 OF 21				REV

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED



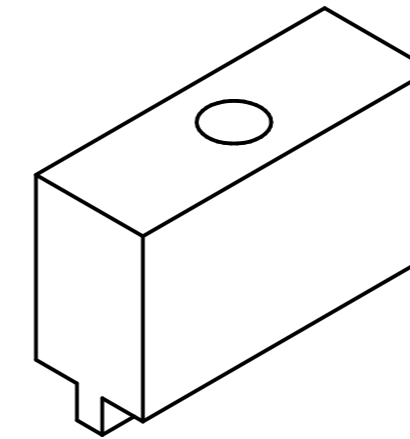
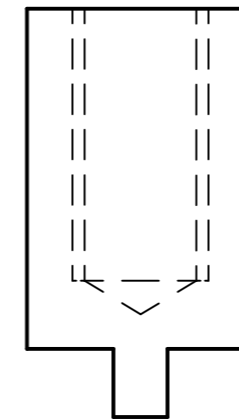
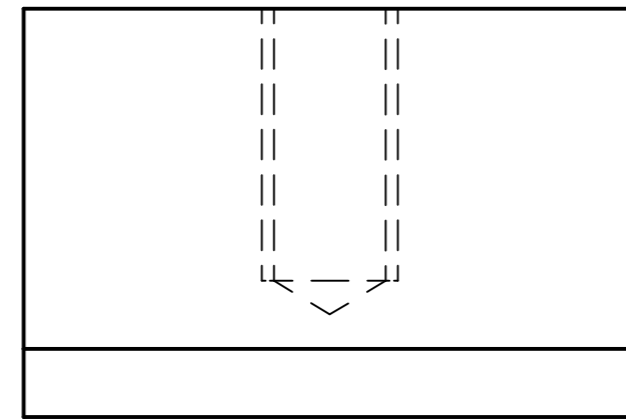
	NAME	DATE	<b>AGRIGEL</b>	
DRAWN	DG	09/04/23		
APPROVED			TITLE	
MATERIAL			Stepper Motor Housing & Lid Mould	
TREATMENT			SIZE	DWG NO
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS			A4	
			FILE NAME: Stepper Motor Housing Mould.dft	REV
1st ANGLE			SCALE:	WEIGHT:
2 PL ±0.02 3 PL ±0.005				SHEET 18 OF 21

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED

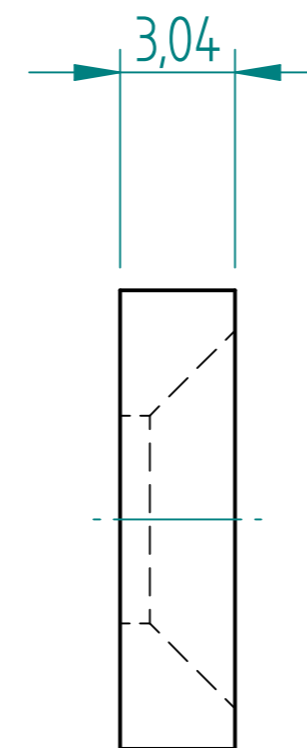
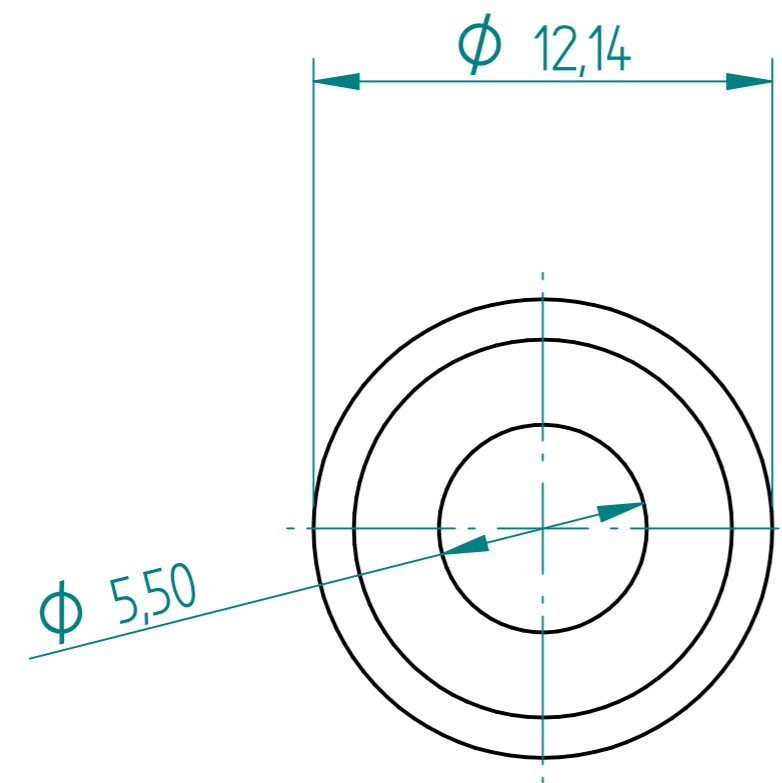
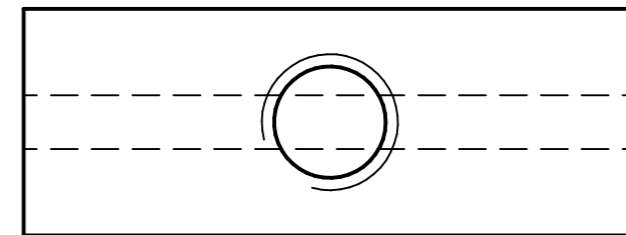


	NAME	DATE	<b>AGRIGEL</b>	
DRAWN	DG	09/04/23		
APPROVED				
MATERIAL				
TREATMENT			TITLE Stepper Motor Housing & Lid Mould	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS			SIZE A4	DWG NO
1st ANGLE ANGLES ±0.1°			FILE NAME: Stepper Motor Housing Mould.dft	
2 PL ±0.02 3 PL ±0.005			SCALE:	WEIGHT:
			SHEET 19 OF 21	

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED



CP 12 Electrode

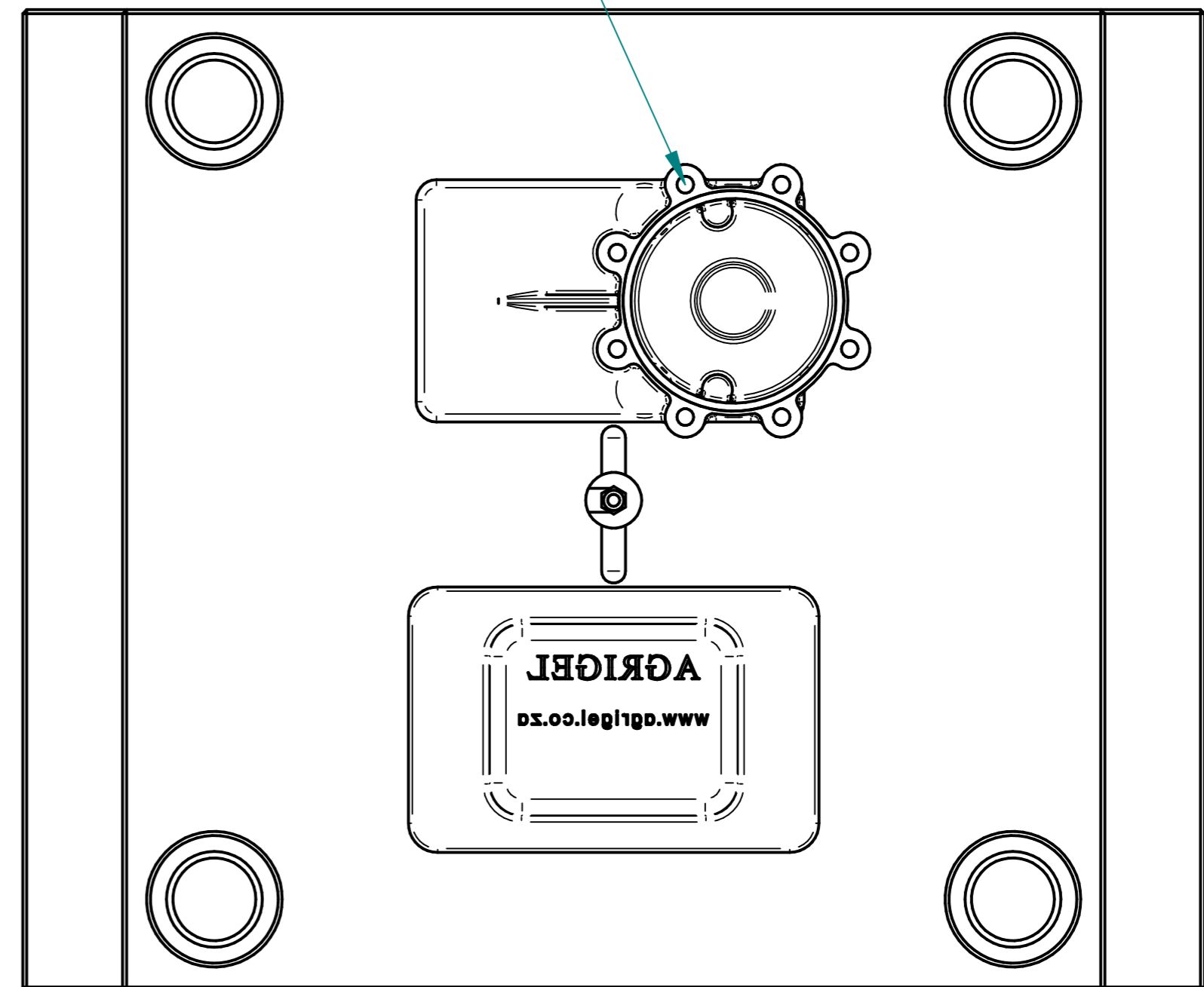
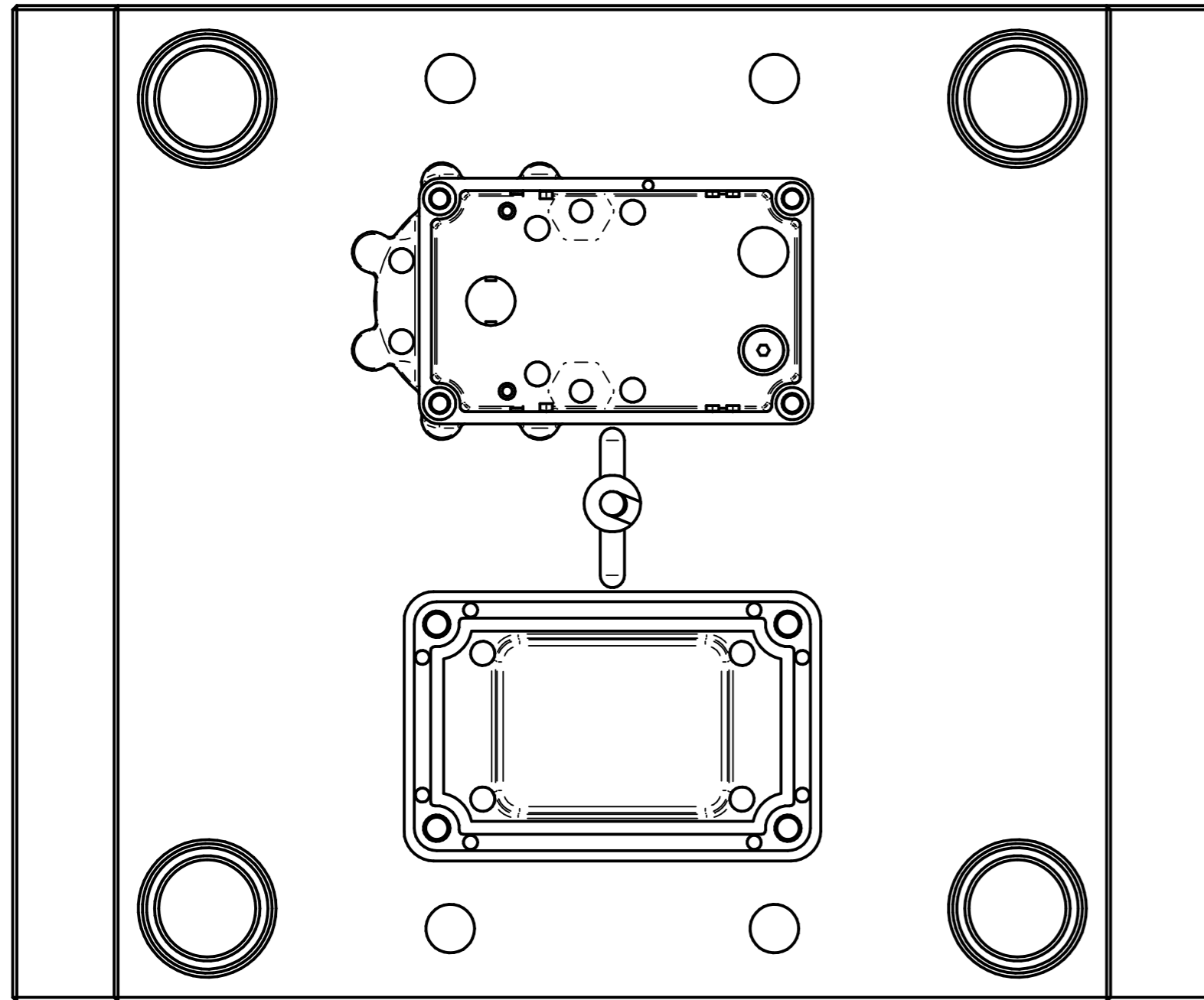


Housing Pin

	NAME	DATE	<b>AGRIGEL</b>		
DRAWN	DG	09/04/23			
APPROVED					
MATERIAL					
TREATMENT			TITLE Stepper Motor Housing & Lid Mould		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS			SIZE A4	DWG NO	REV
1 <sup>st</sup> ANGLE ANGLES $\pm 0,1^\circ$			FILE NAME: Stepper Motor Housing Mould.dft		
2 PL $\pm 0,02$ 3 PL $\pm 0,005$			SCALE:	WEIGHT:	SHEET 20 OF 21

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED

Core Pin  
Dia 4.2 - 100 8 of



	NAME	DATE	<b>AGRIGEL</b>		
DRAWN	DG	09/04/23			
APPROVED			TITLE Stepper Motor Housing & Lid Mould		
MATERIAL					
TREATMENT			SIZE A4	DWG NO	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS			FILE NAME: Stepper Motor Housing Mould.dft		
1st ANGLE 2 PL ±0.02 3 PL ±0.005			SCALE:	WEIGHT:	SHEET 21 OF 21