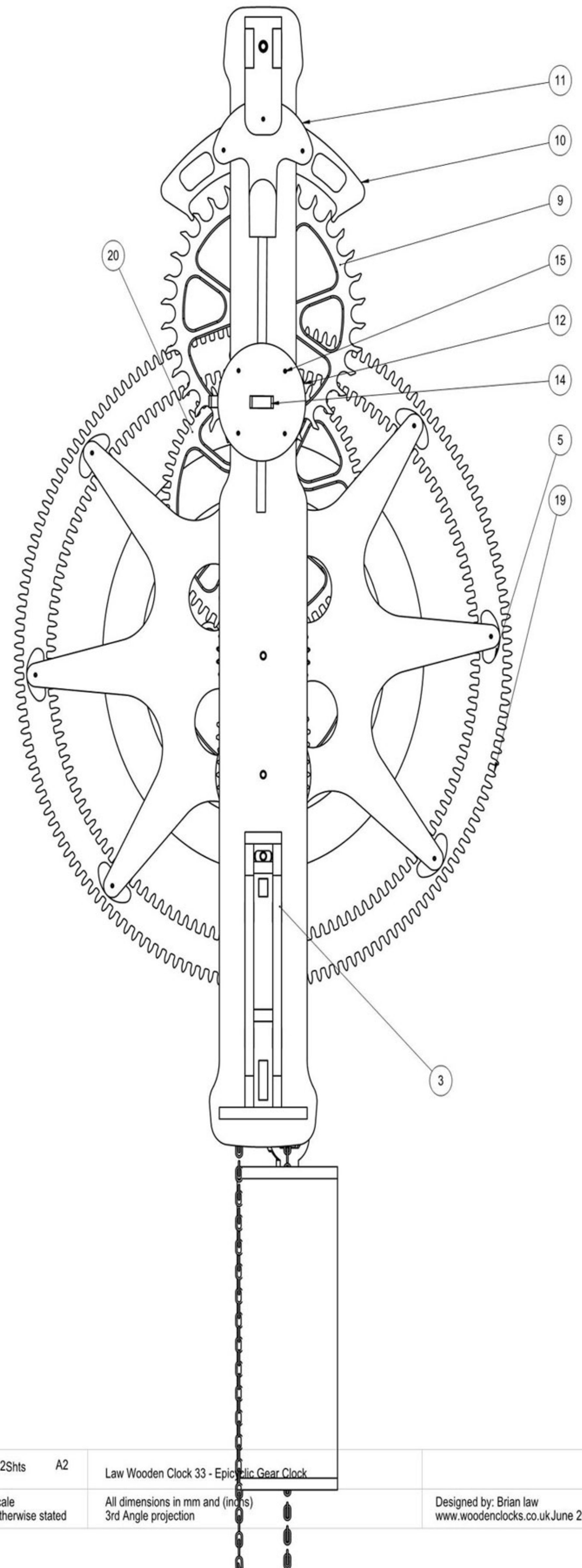
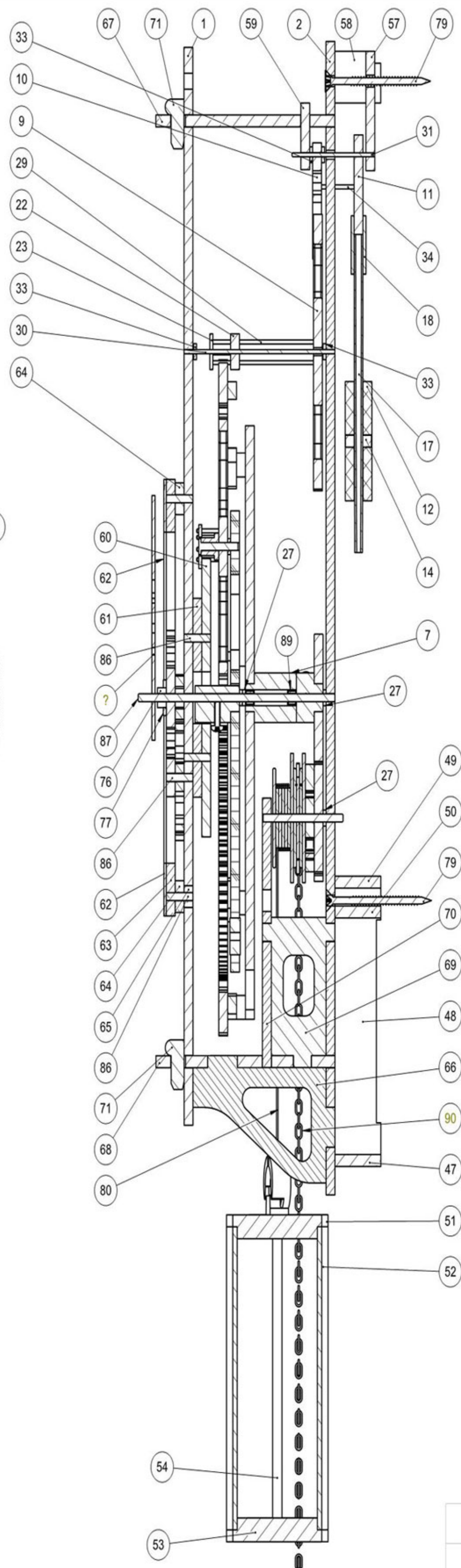
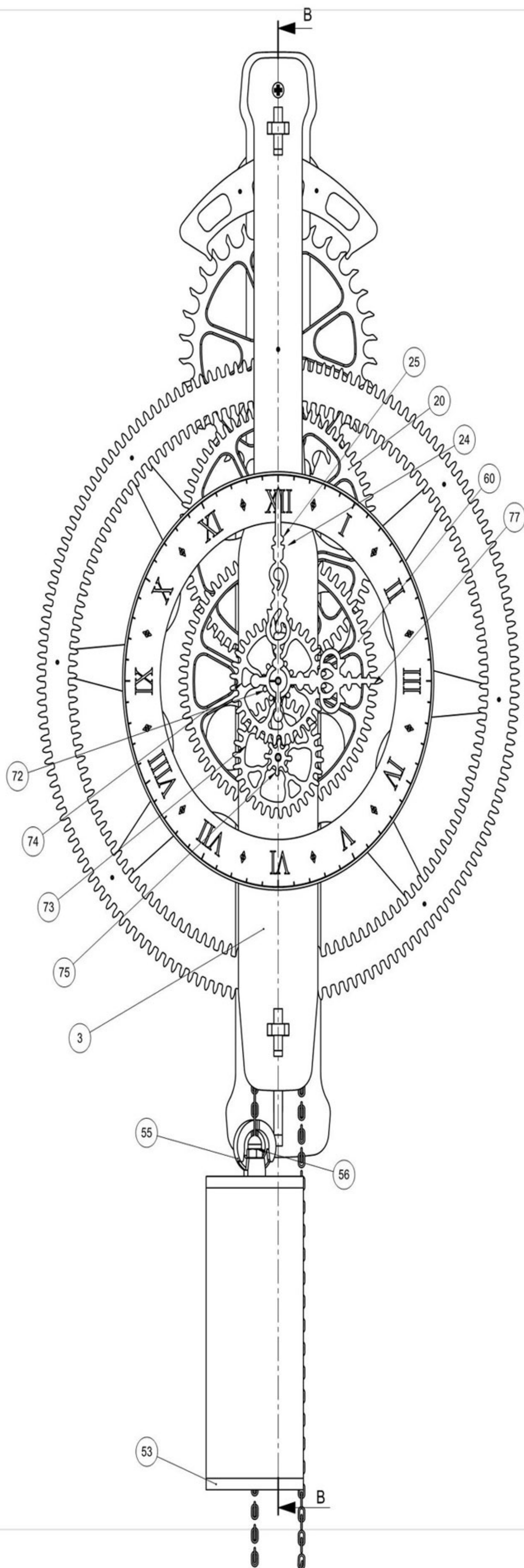




Sht 1 of 12 Shts A2

Law Wooden Clock 33 - Epicyclic Gear Clock

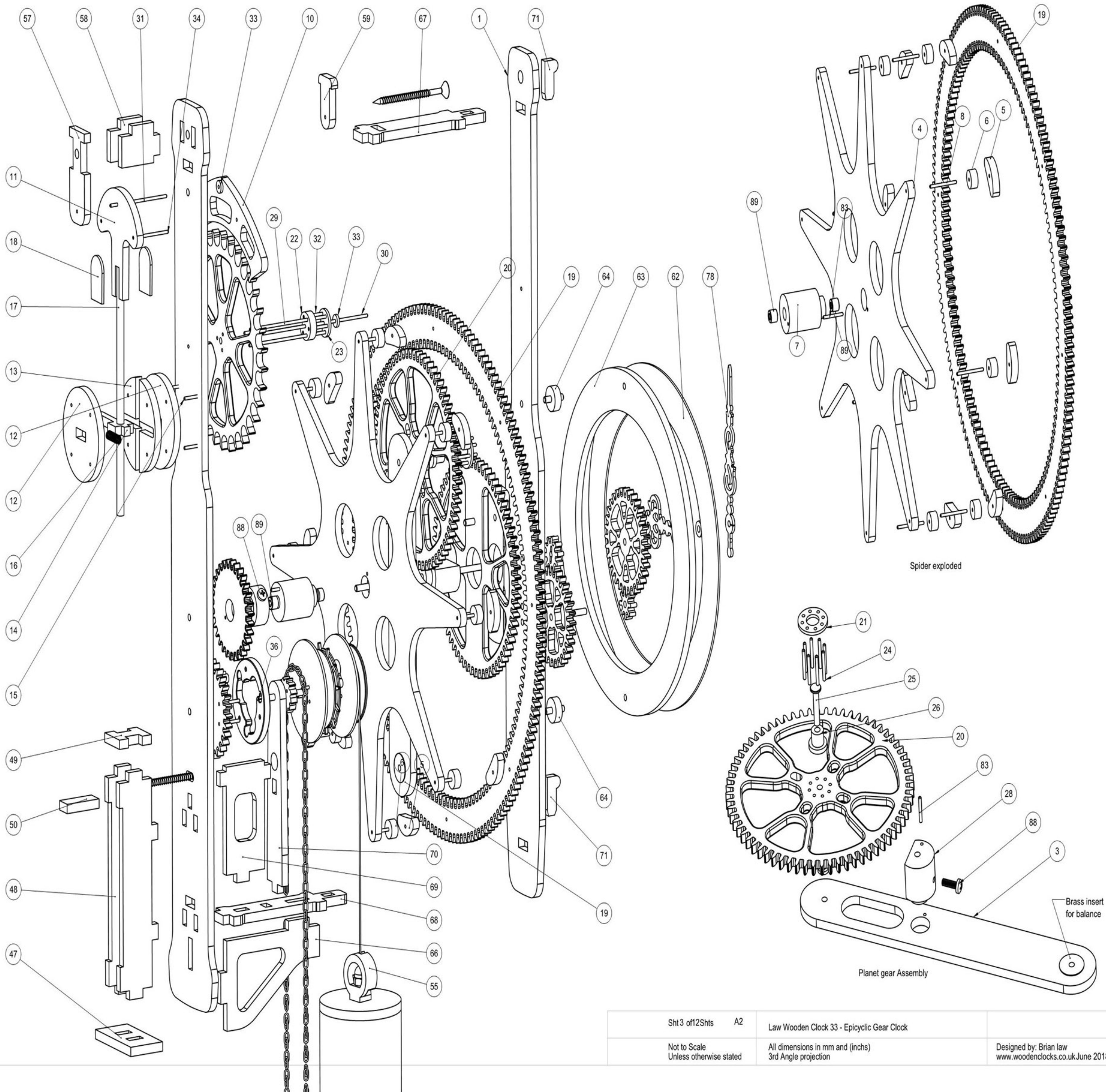
Not to Scale
Unless otherwise stated

All dimensions in mm and (inches)
3rd Angle projection

Designed by: Brian law
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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Clock 33-Front frame	MDF 6mm	1
2	Clock 33-Backframe	MDF 6mm	1
3	Clock 33-Balance Bar	MDF 6mm	1
4	Clock 33-Spider	MDF 6mm	1
5	Clock 33-Spider-offset pad large	MDF 6mm	8
6	Clock 33-Spider-offset pad small	MDF 6mm	8
7	Clock 33-Spider-Spacer	MDF 6mm	1
8	Clock 33-Spider Pin 2-24		8
9	Clock 33-Escape Wheel	MDF 6mm	1
10	Clock 33-Escapement Arm	MDF 6mm	1
11	Clock 33-Pendulum Head	MDF 6mm	1
12	Clock 33-Pendulum Bob-outer	MDF 6mm	2
13	Clock 33-Pendulum Bob-inner	MDF 6mm	1
14	Clock 33-Pendulum Bob Lock	MDF 6mm	1
15	Clock 33-Pendulum Bob-pin 2-18	Steel Ø2 x 18mm	4
16	Clock 33-Pendulum Lock Spring	To suit	1
17	Clock 33-Pendulum Rod	Ø6 Wood Dowel	1
18	Clock 33-Pendulum Rod cover	2mm ABS-HIPS	2
19	Clock 33-Epicyclic Gear 168-144 Teeth	MDF 6mm	1
20	Clock 33-Gear 68-Planet	MDF 6mm	1
21	Clock 33-Lantern Gear 8 tooth-end plate	2mm ABS-HIPS	1
22	Clock 33-Lantern Gear 6 tooth	MDF 6mm	1
23	Clock 33-Lantern Gear 6 tooth-end plate	2mm ABS-HIPS	1
24	Clock 33-Pinion Pin-2-24	Steel Ø2 x 24mm	8
25	Clock 33-Planet Gear Clevis Pin M4	Clevis Pin Ø4 x 24	1
26	Clock 33-Planet Gear Bush	Acetal/Brass	1
27	Clock 33-Backframe spacer	2mm ABS-HIPS	5
28	Clock 33-Planet Arm-Spacer	Acetal/Brass	1
29	Clock 33-Pinion Pins 2-76	Steel Ø2 x 76mm	3
30	Clock 33-Shaft 2-102	Steel Ø2 x 102mm	1
31	Clock 33-Shaft 2-55	Steel Ø2 x 55mm	1
32	Clock 33-Pinion Pin-2-20	Steel Ø2 x 20mm	3
33	Clock 33-Spacer 2mm	2mm ABS-HIPS	4
34	Clock 33-Escapement Arm Pin	Steel Ø2 x 34mm	2
35	Clock 33-Sprocket 12 teeth	2mm ABS-HIPS	1
36	Clock 33-Drive Pivot Pin 4-54	Steel Ø4 x 54mm	1
37	Clock 33-12 Sprocket Side Plate Inner	2mm ABS-HIPS	2
38	Clock 33-12 Sprocket Side Plate Outer	2mm ABS-HIPS	2
39	Clock 33-Drive Pulley outer	2mm ABS-HIPS	1
40	Clock 33-Drive Pulley inner small	2mm ABS-HIPS	5
41	Clock 33-Gear 30 tooth Drive	MDF 6mm	1
42	Clock 33-Ratchet cover	MDF 6mm	1
43	Clock 33-Ratchet	2mm ABS-HIPS	1
44	Clock 33-Pawl	2mm ABS-HIPS	3
45	Clock 33-Gear 30 tooth Drive 2	MDF 6mm	1

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
46	Clock 33-Drive Gear spacer	Acetal/Brass	1
47	Bottom Wall Spacer Base.	MDF 6mm	1
48	Bottom Wall Spacer Side	MDF 6mm	2
49	Bottom Wall Spacer Top	MDF 6mm	1
50	Bottom Wall Spacer Shelf	MDF 6mm	1
51	Clock 33-Weight end Plug	MDF 6mm	1
52	Clock 33-Weight Tube	Plastic Tube Ø68x2	1
53	Clock 33-Weight End Plug- Bottom	MDF 6mm	1
54	Clock 33-Threaded rod-weight	Stainless Steel M6	1
55	Clock 33-Weight Anchor	MDF 6mm	1
56	Clock 33-Domed nut-M6	Brass	1
57	Clock 33-Wall Spacer Top-End	MDF 6mm	1
58	Clock 33-Wall Spacer Top-side	MDF 6mm	2
59	Clock 33-Hanger	MDF 6mm	1
60	Clock 33-Gear 68-Teeth-Fixed	MDF 6mm	1
61	Clock 33-Gear 68-Teeth-Spacer	MDF 6mm	1
62	Clock 33-Dial	Trolase 1.6mm	1
63	Clock 33-Dial Base	MDF 6mm	1
64	Clock 33-Dial Spacer	MDF 6mm	2
65	Clock 33 Dial Plug	MDF 6mm	1
66	Clock 33-Bottom Brace	MDF 6mm	1
67	Clock 33-Frame Spacer-Top	MDF 6mm	1
68	Clock 33-Frame Spacer-Bottom	MDF 6mm	1
69	Clock 33-Brace	MDF 6mm	1
70	Clock 33-Winder Support	MDF 6mm	1
71	Clock 33-Wedge	MDF 6mm	2
72	Clock 33-Hour Gears-10 Teeth	MDF 6mm	1
73	Clock 33-Hour Gears-30 Teeth	MDF 6mm	1
74	Clock 33-Hour Gears-32 Teeth	MDF 6mm	1
75	Clock 33-Hour Gears-8 Teeth	MDF 6mm	1
76	Clock 33-Hour Tube	MDF 6mm	1
77	Clock 33-Hour Hand	HIPS/ABS 2mm thk	1
78	Clock 33-Minute Hand	HIPS/ABS 2mm thk	1
79	Clock 33-woodscrew	Brass C/Snk	2
80	Clock 33-Weight Cord	Blind Cord Ø1mm	1
81	Nut M6 - see Clock Weight details	M6 nut	1
82	Pin 2-12	Ø2x12mm Steel rod	6
83	Pin 2-18	Ø2x18mm Steel rod	3
84	Pin 2-16	Ø2x16mm Steel rod	2
85	Pin 2-22	Ø2x22mm Steel rod	2
86	Clock 33-Pin 4-18	Ø4x18mm Steel rod	5
87	Clock 33-Shaft 4-133	Ø4x133mm Steel	1
88	Screw PAN H_M4 x 0~7_10	Screw M4 x 10 mm	2
89	Roller Bearing-HK0406	Ø4 borex6mmOD	2
90	Chain 43.5-LPF	Cousins UK C32822	1



Sht 3 of 12 Shts

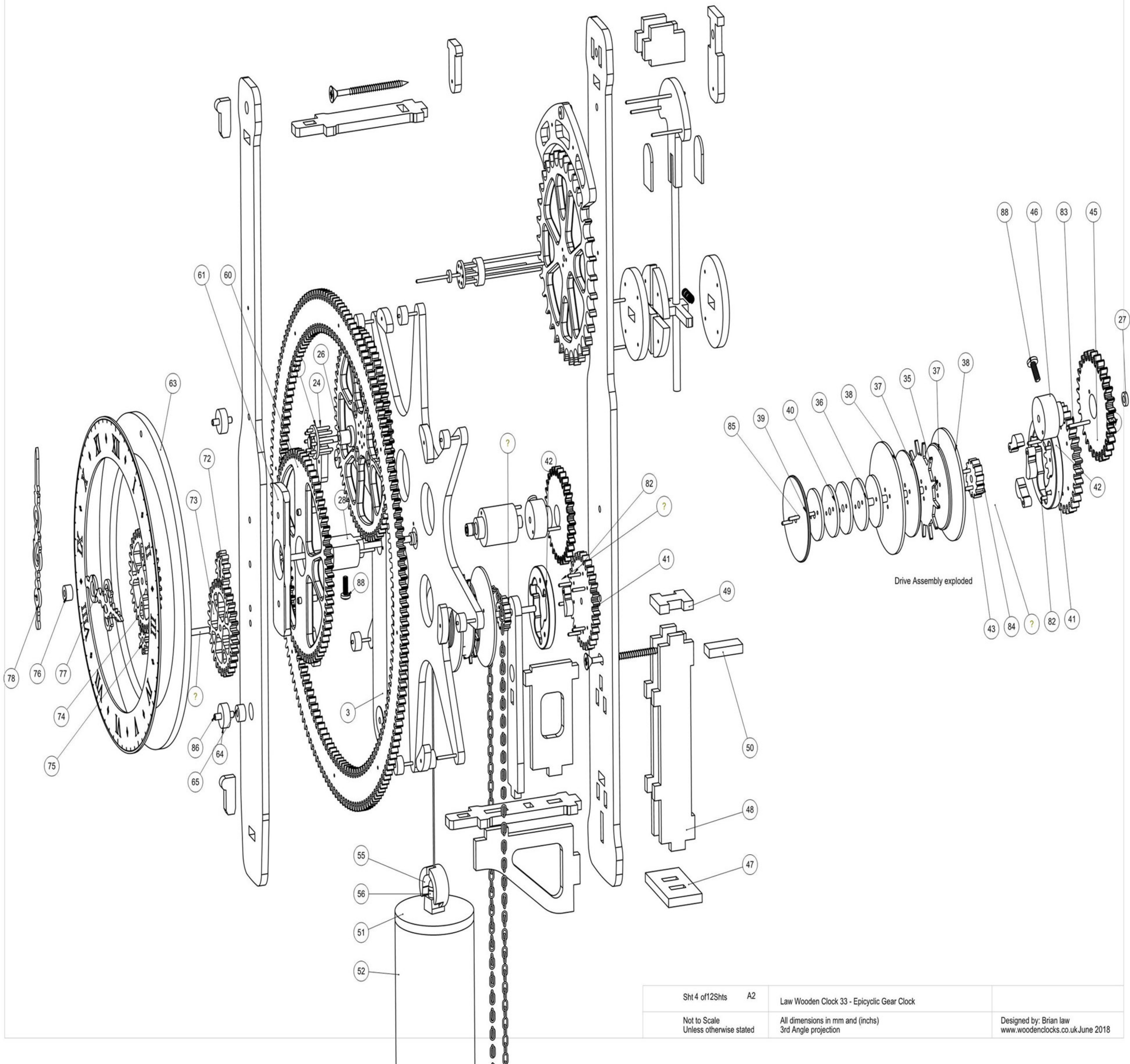
A2

Law Wooden Clock 33 - Epicyclic Gear Clock

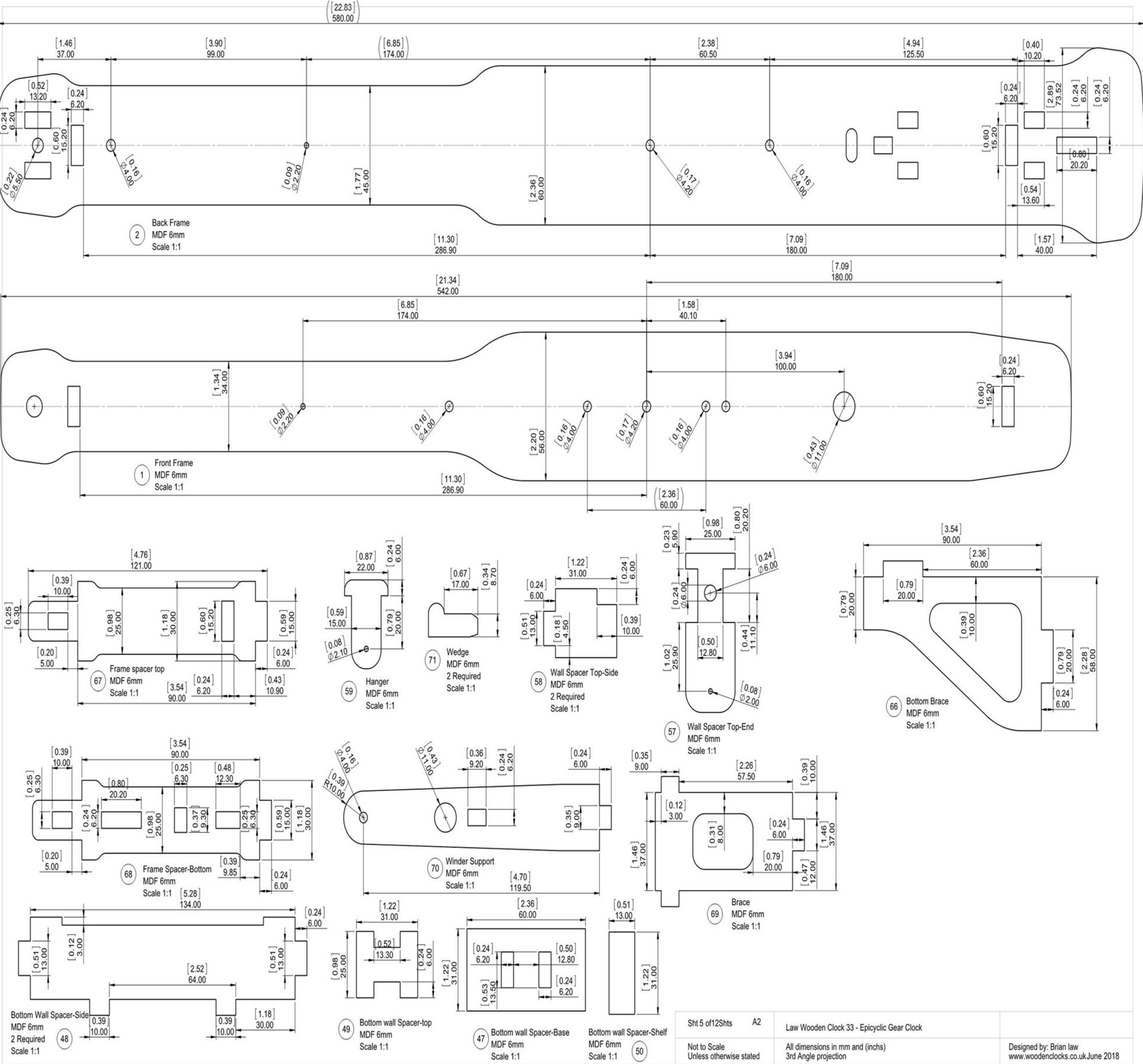
Not to Scale
Unless otherwise stated

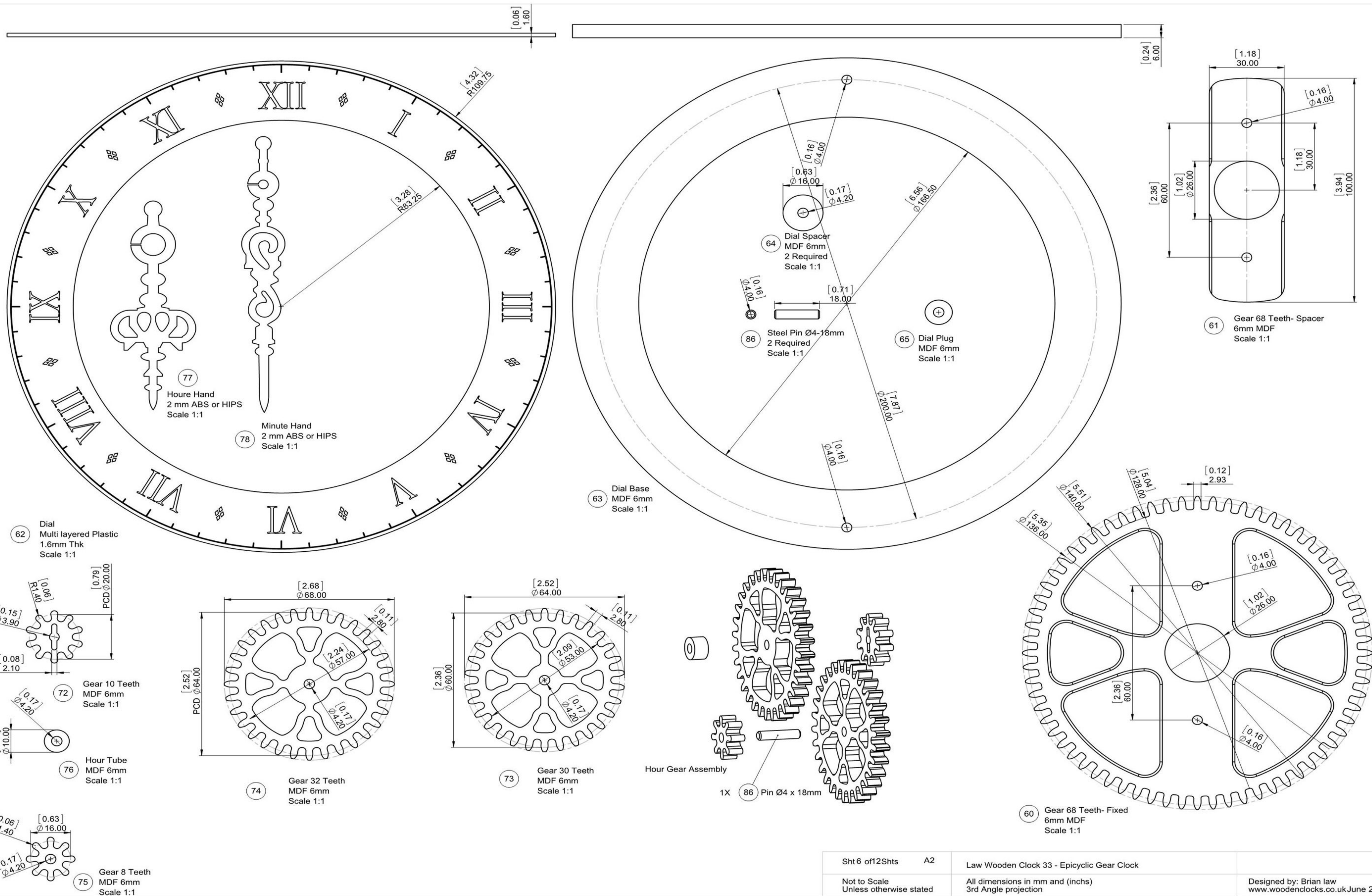
All dimensions in mm and (inches)
3rd Angle projection

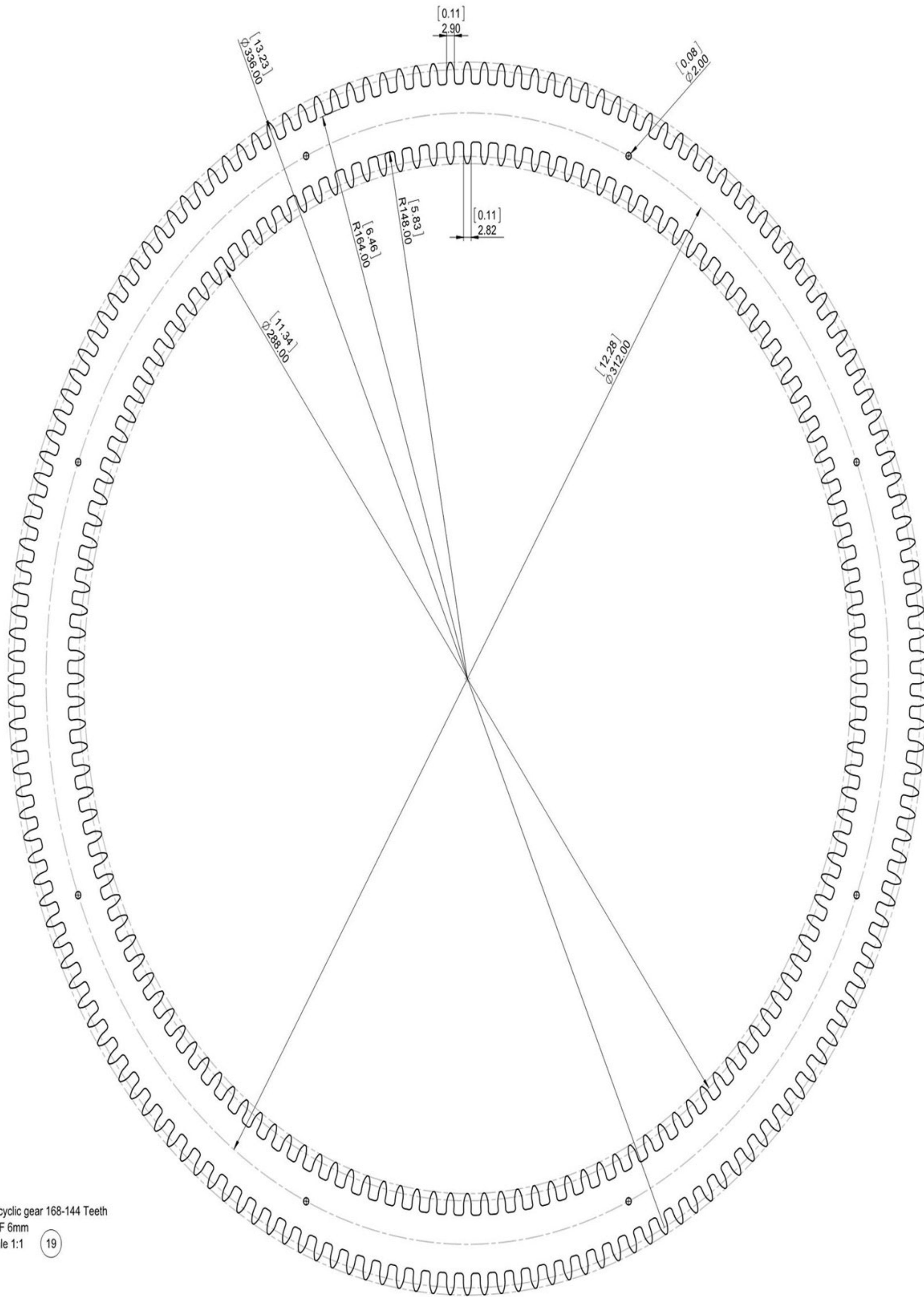
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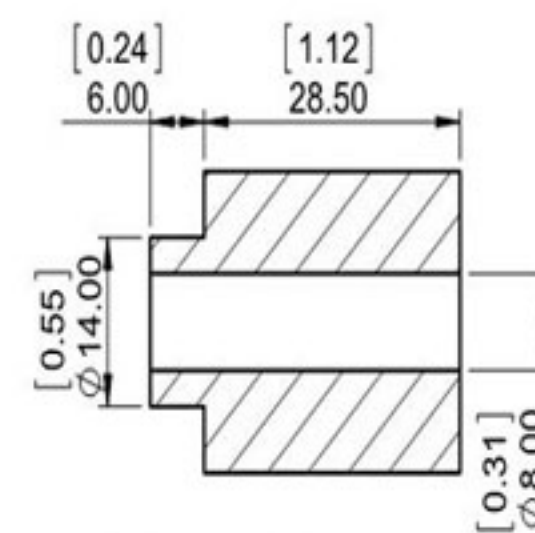
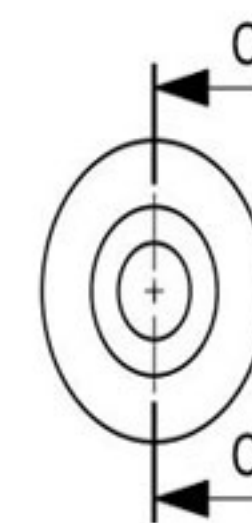
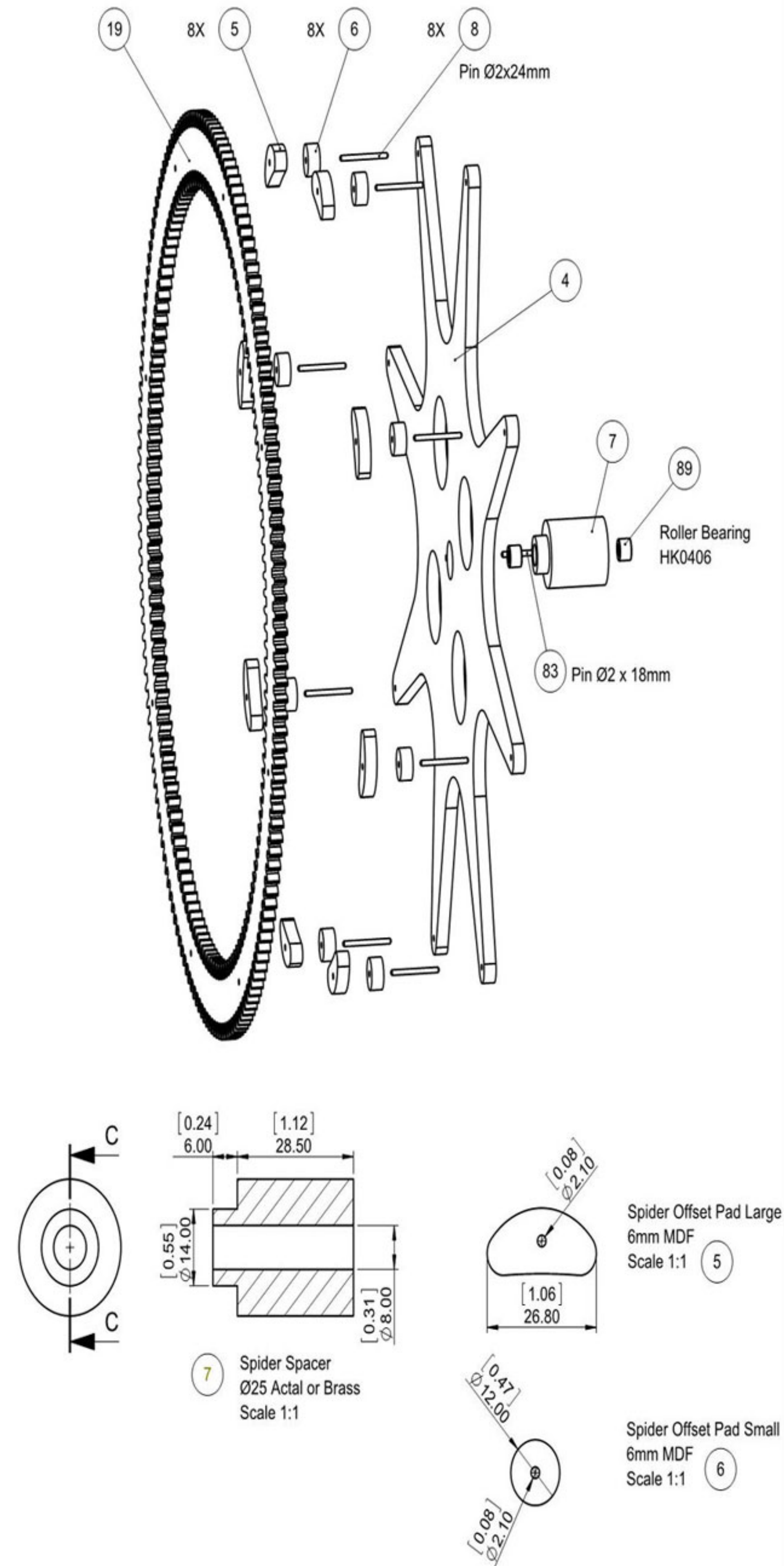
Sht 4 of 12 Shts	A2	Law Wooden Clock 33 - Epicyclic Gear Clock	
Not to Scale Unless otherwise stated		All dimensions in mm and (inches) 3rd Angle projection	Designed by: Brian law www.woodenclocks.co.uk June 2018



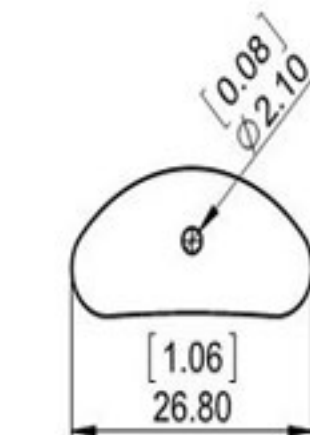




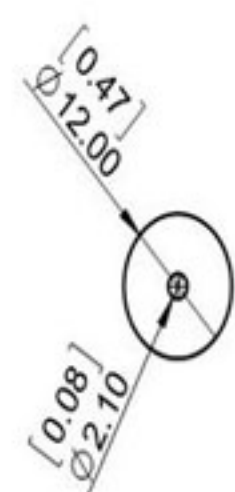
Epicyclic gear 168-144 Teeth
MDF 6mm
Scale 1:1



7 Spider Spacer
Ø25 Actal or Brass
Scale 1:1

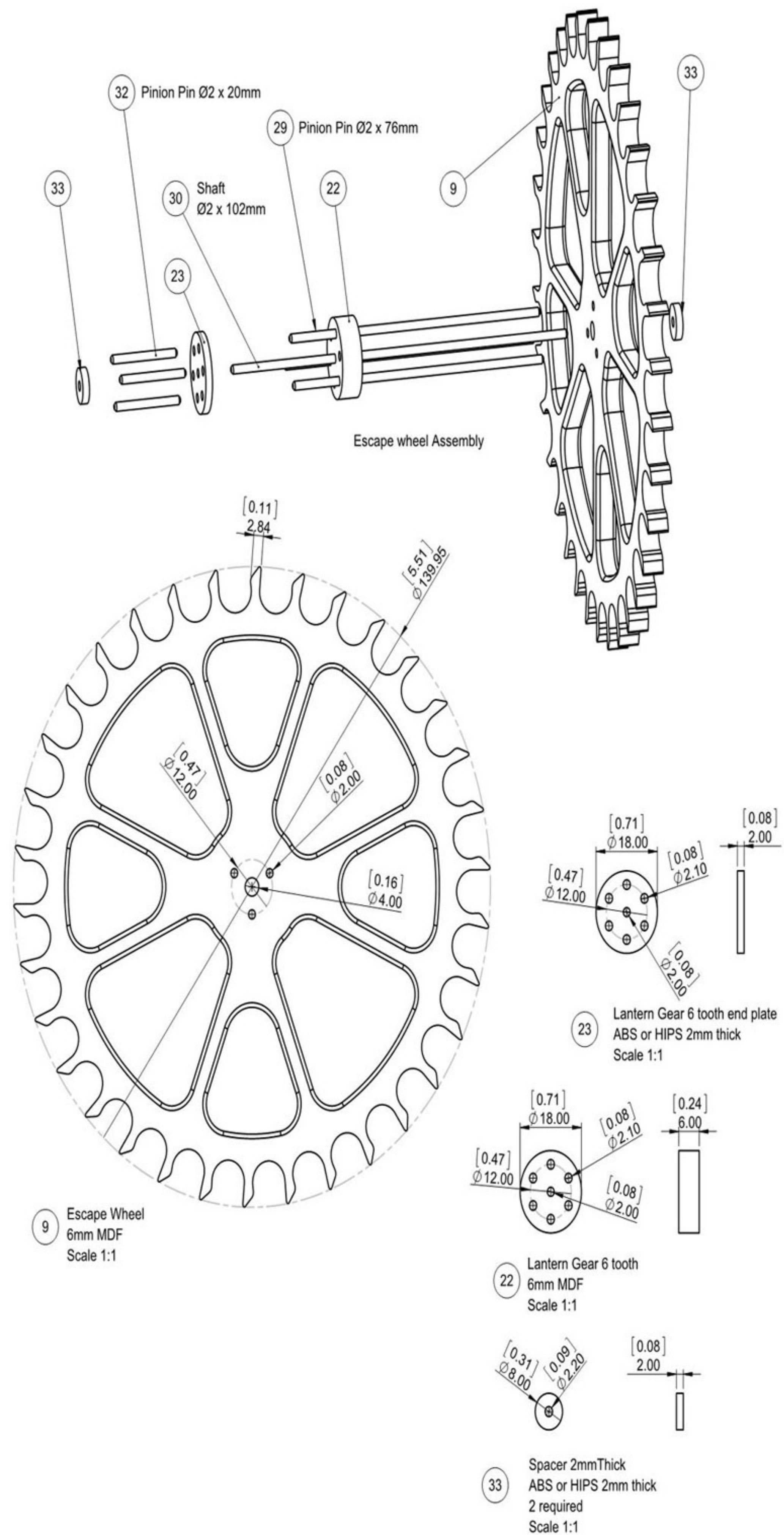
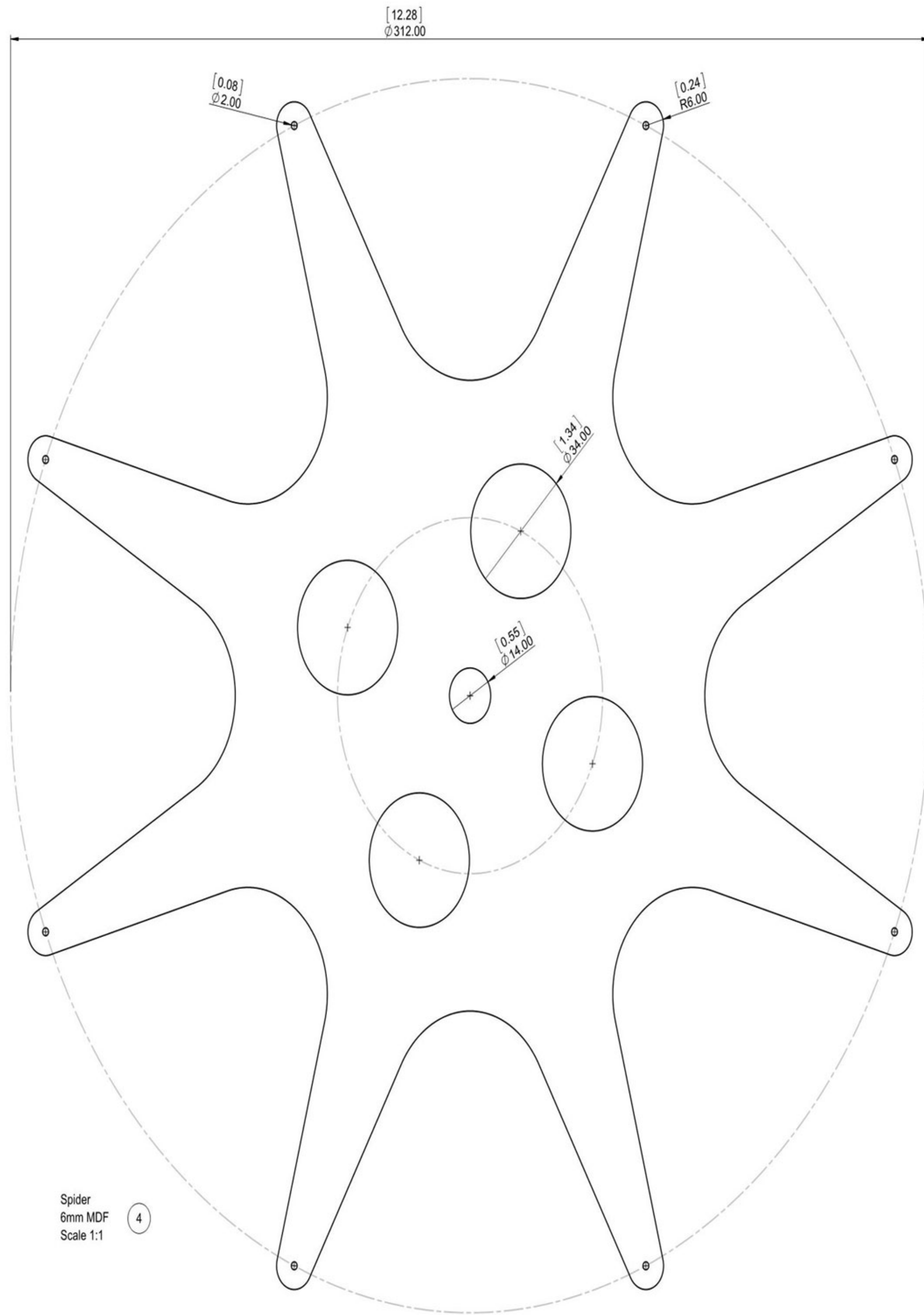


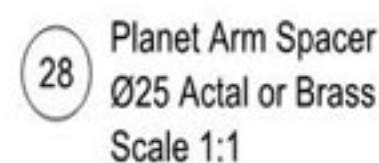
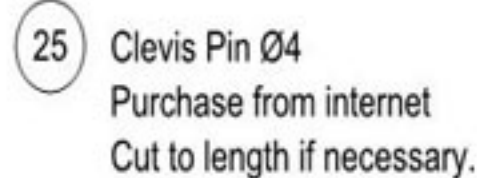
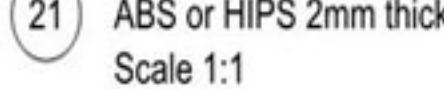
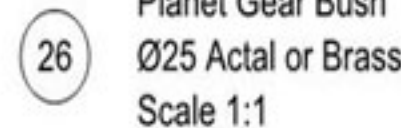
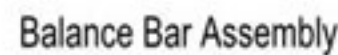
Spider Offset Pad Large
6mm MDF
Scale 1:1



Spider Offset Pad Small
6mm MDF
Scale 1:1

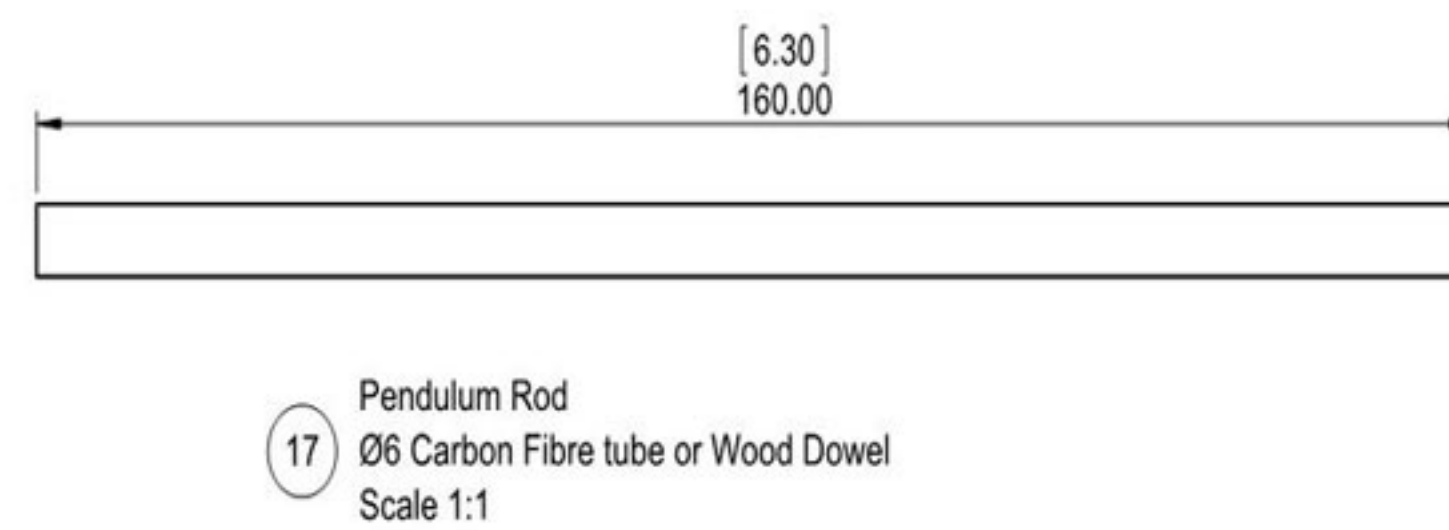
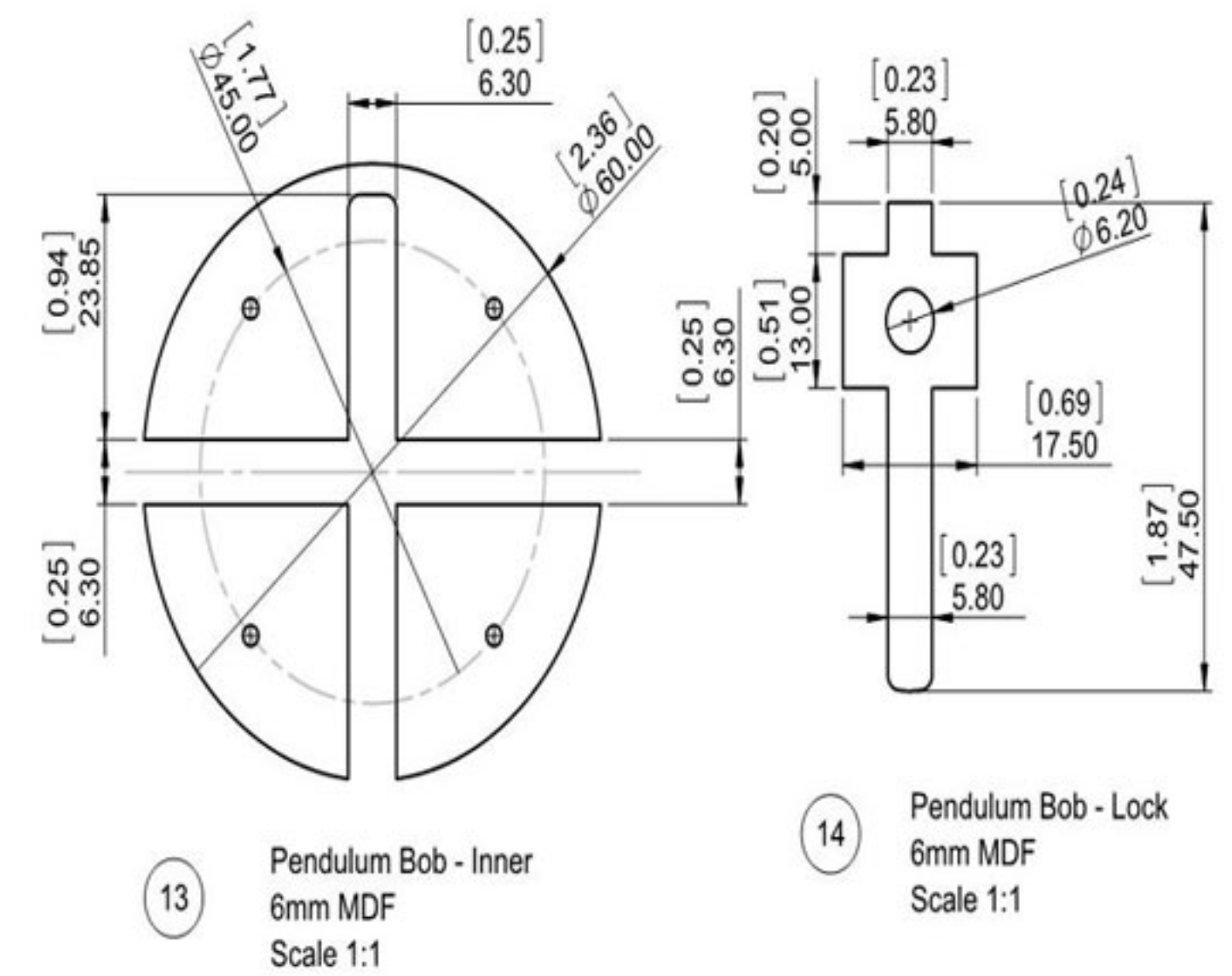
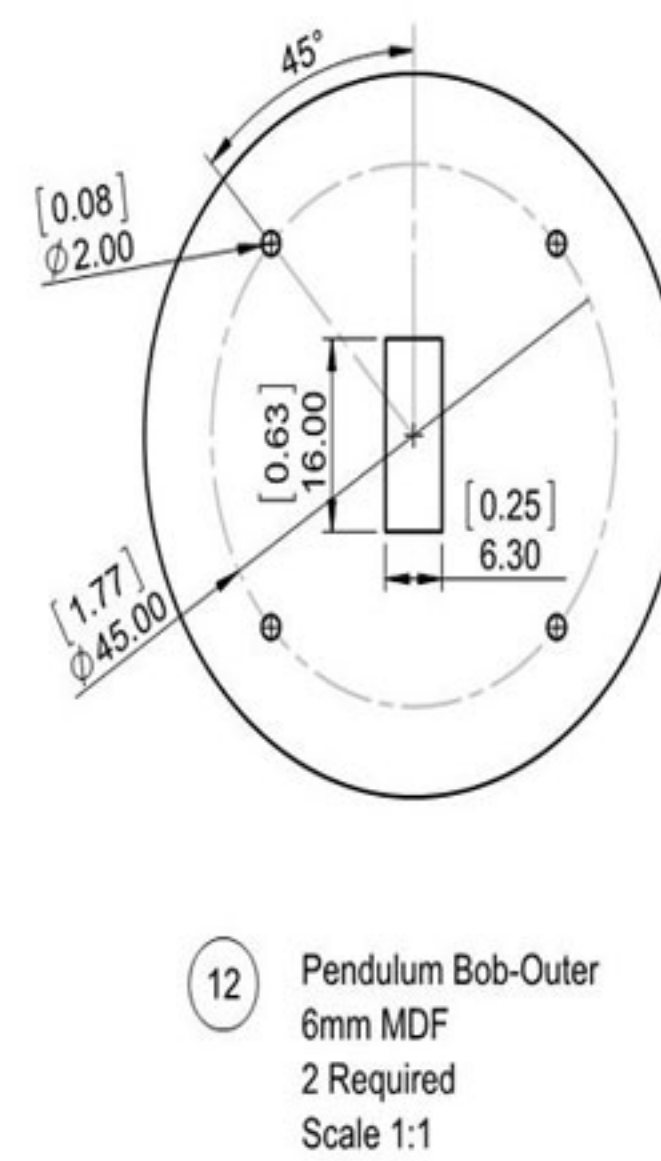
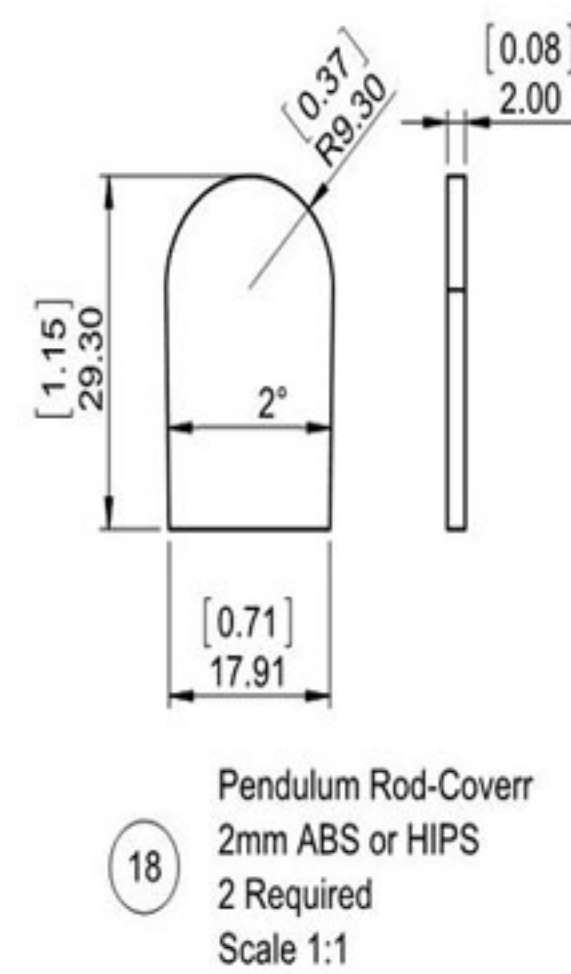
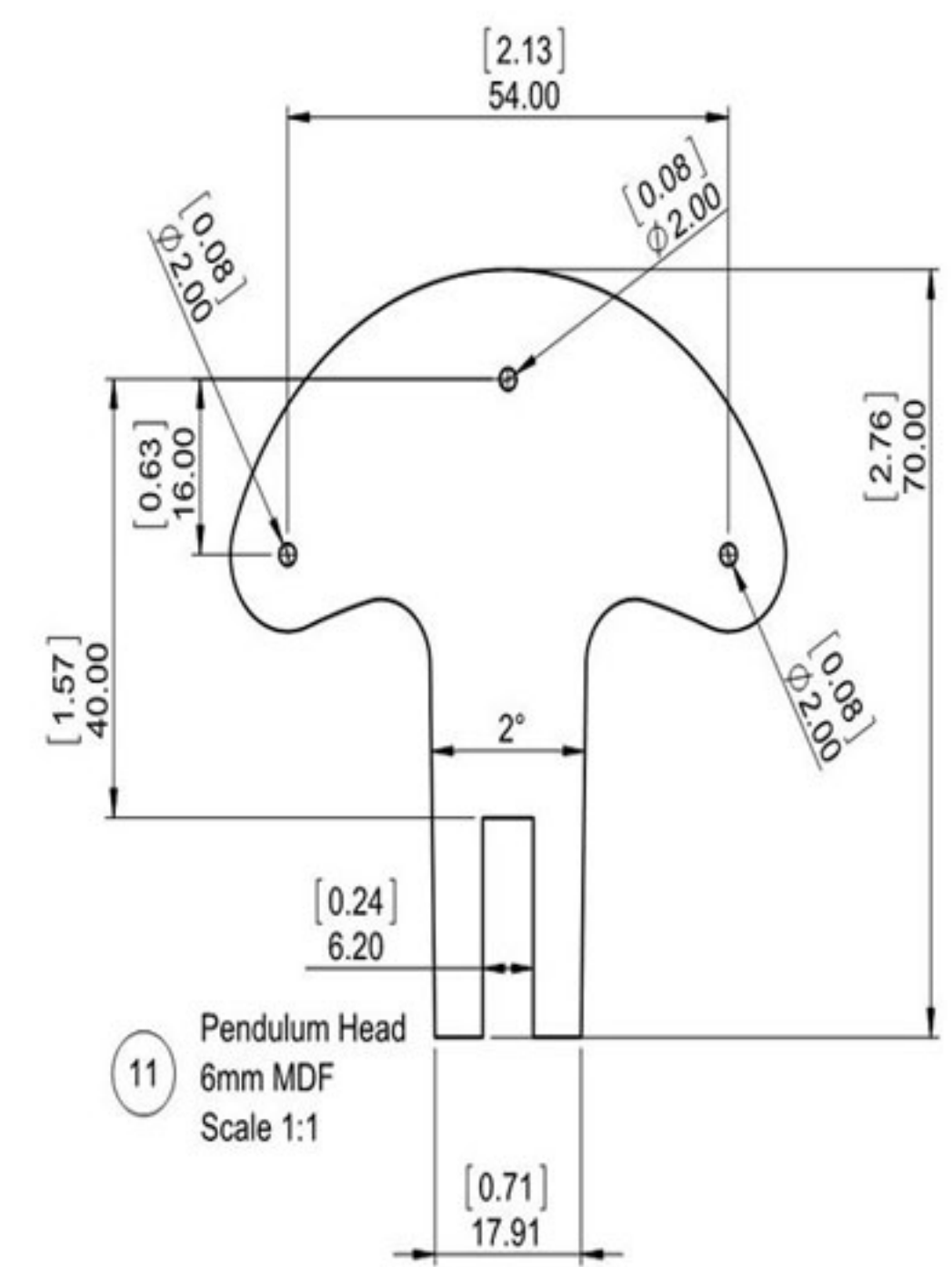
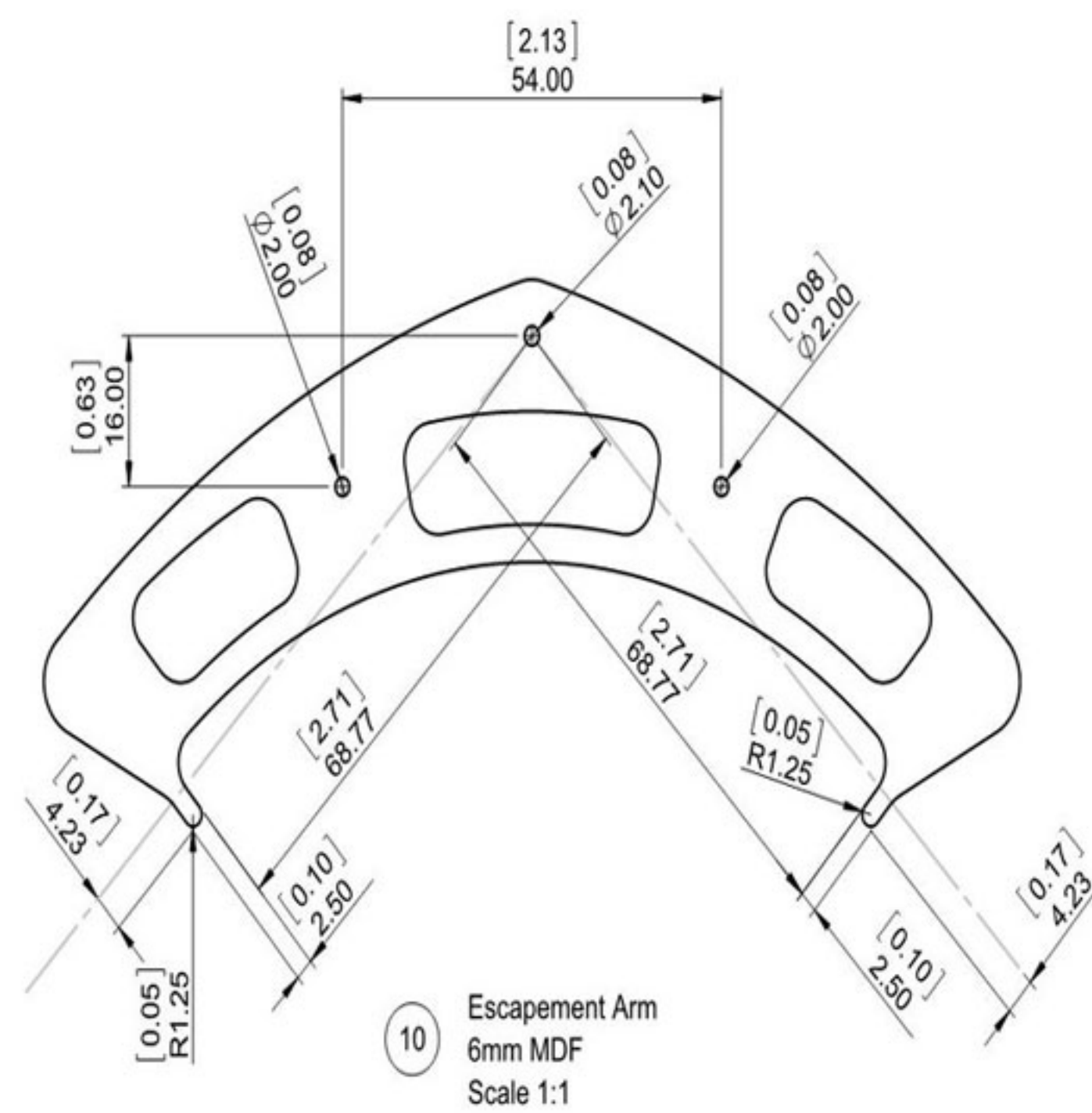
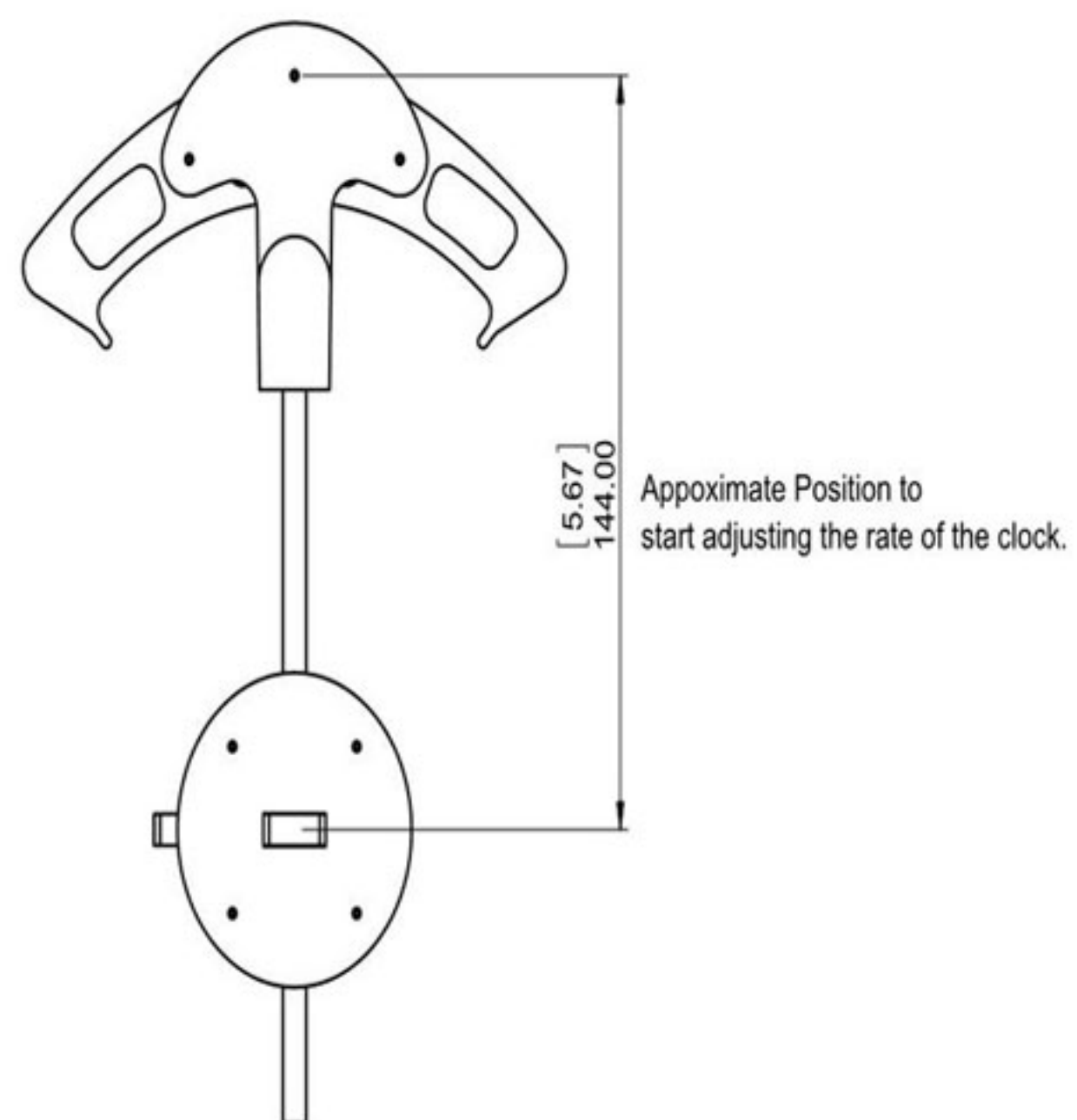
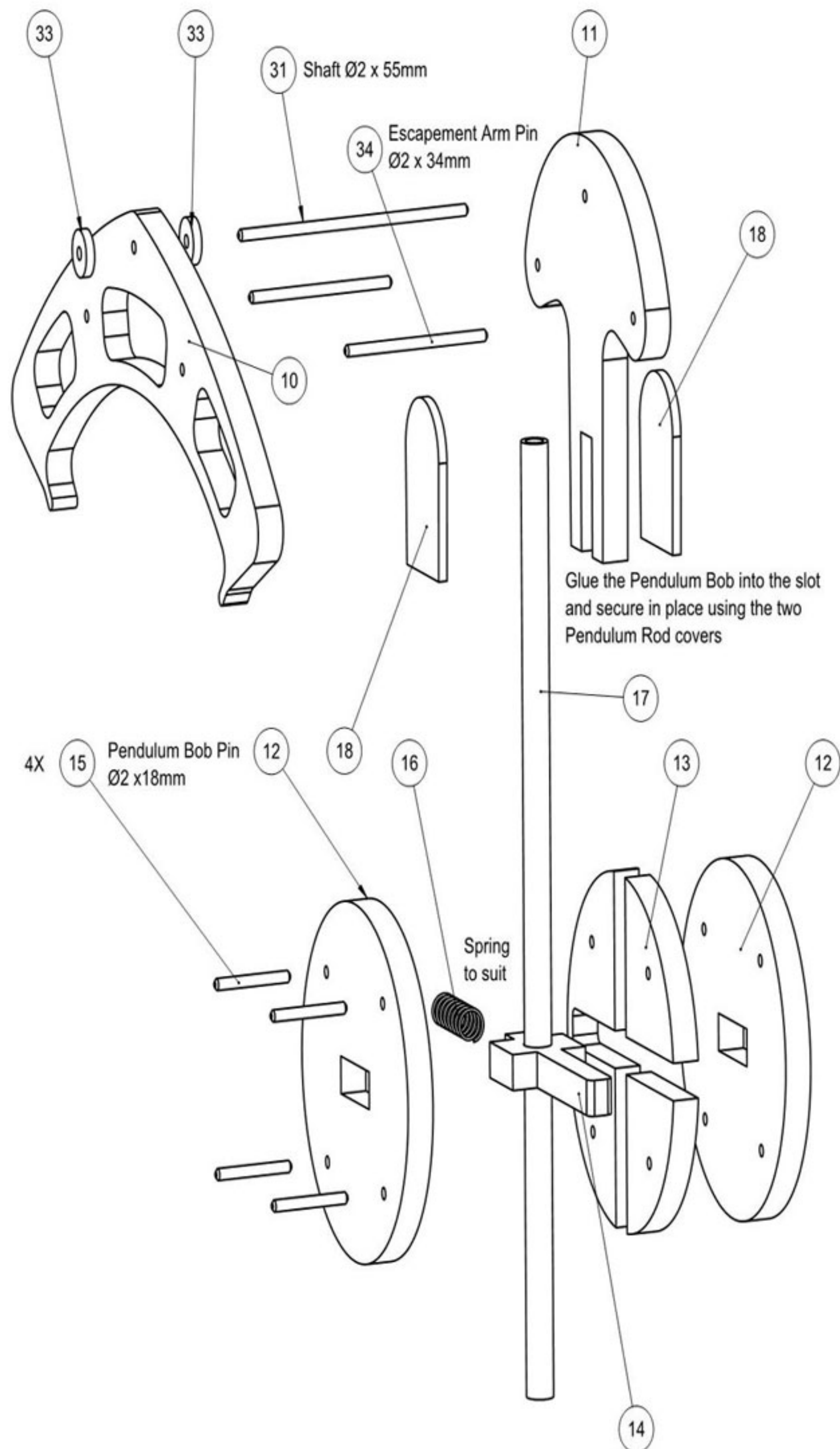
Sht 7 of 12 Shts	A2	Law Wooden Clock 33 - Epicyclic Gear Clock	
Not to Scale Unless otherwise stated		All dimensions in mm and (inches) 3rd Angle projection	Designed by: Brian law www.woodenclocks.co.uk June 2018



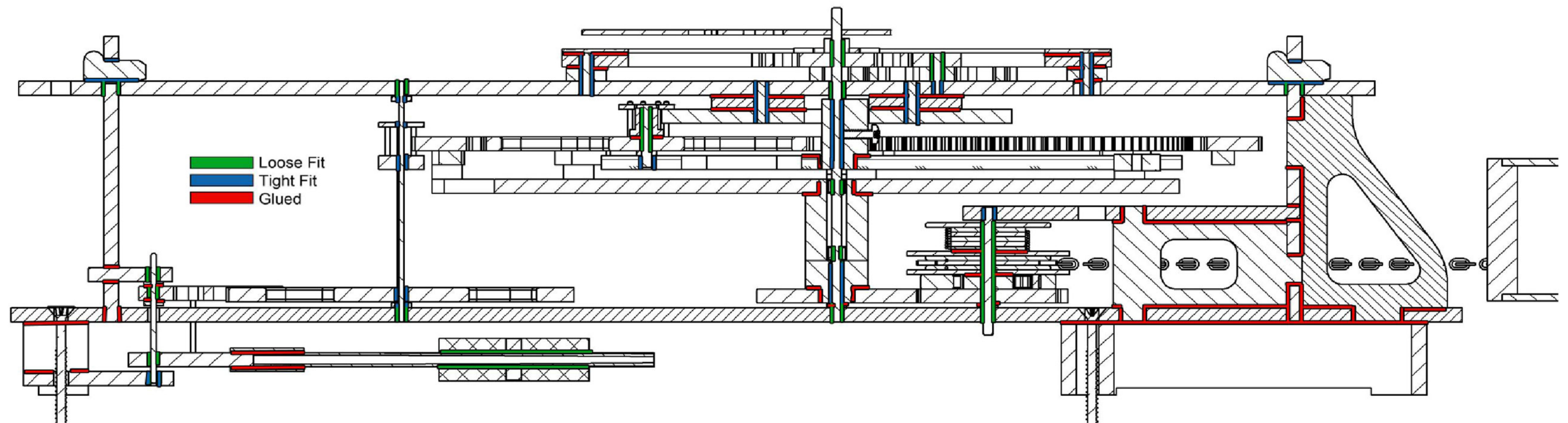


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Super glue these spacers to the sides of the Escapement Arm



Sht10of12Shts	A2	Law Wooden Clock 33 - Epicyclic Gear Clock	
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Sh112 of 12Shts

A2

Law Wooden Clock 33 - Epicyclic Gear Clock

Not to Scale
Unless otherwise stated

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3rd Angle projection

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