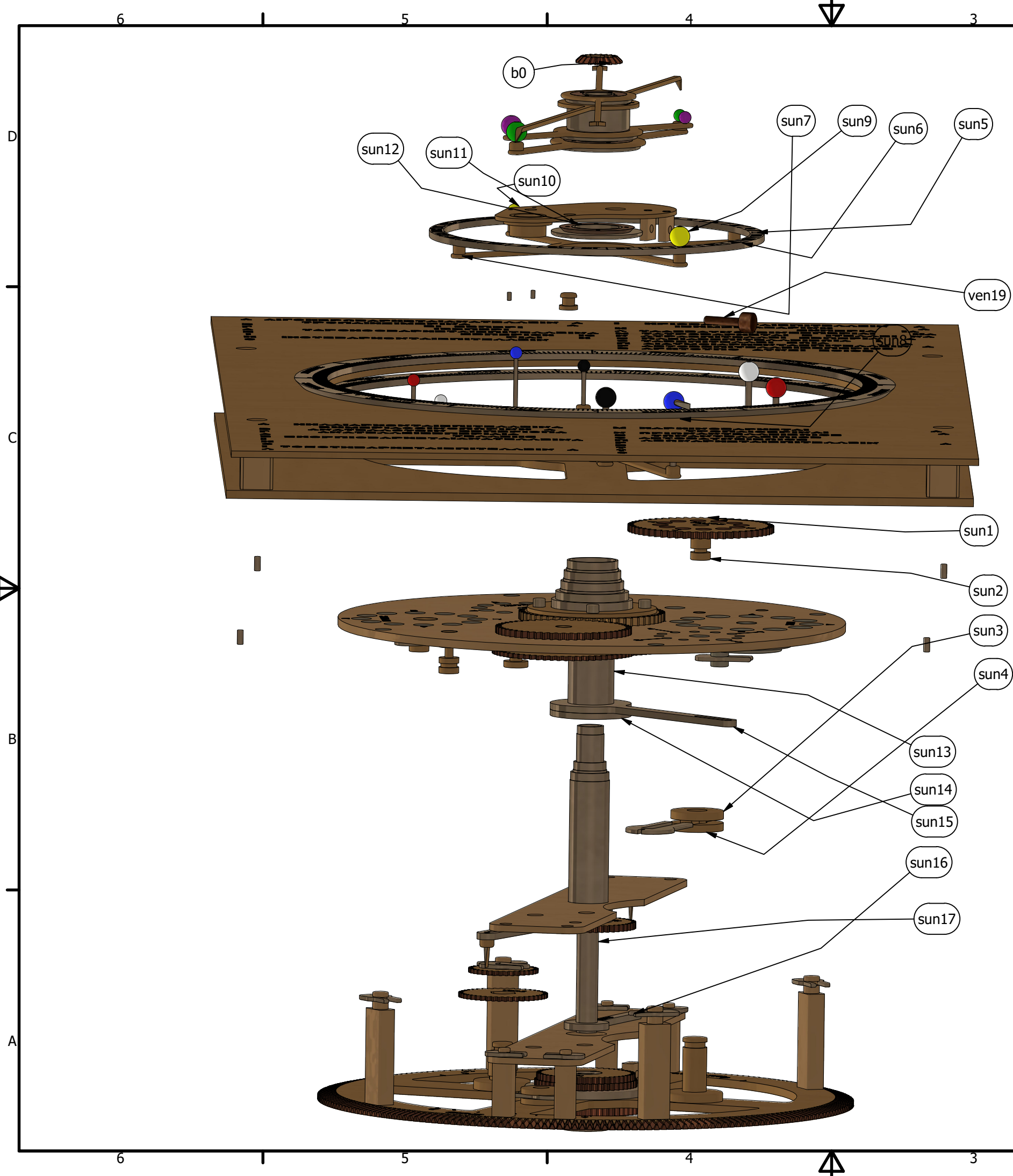


PROJECT			Antikithera Mechanism		Designed and drawn by:© Dr N Andronis PhD CPEng	
SIZE	DWG NO				REV	
A3	Sun (assembly)				8.0	
SCALE		1:1	10/07/2022		SHEET 1 OF 8	



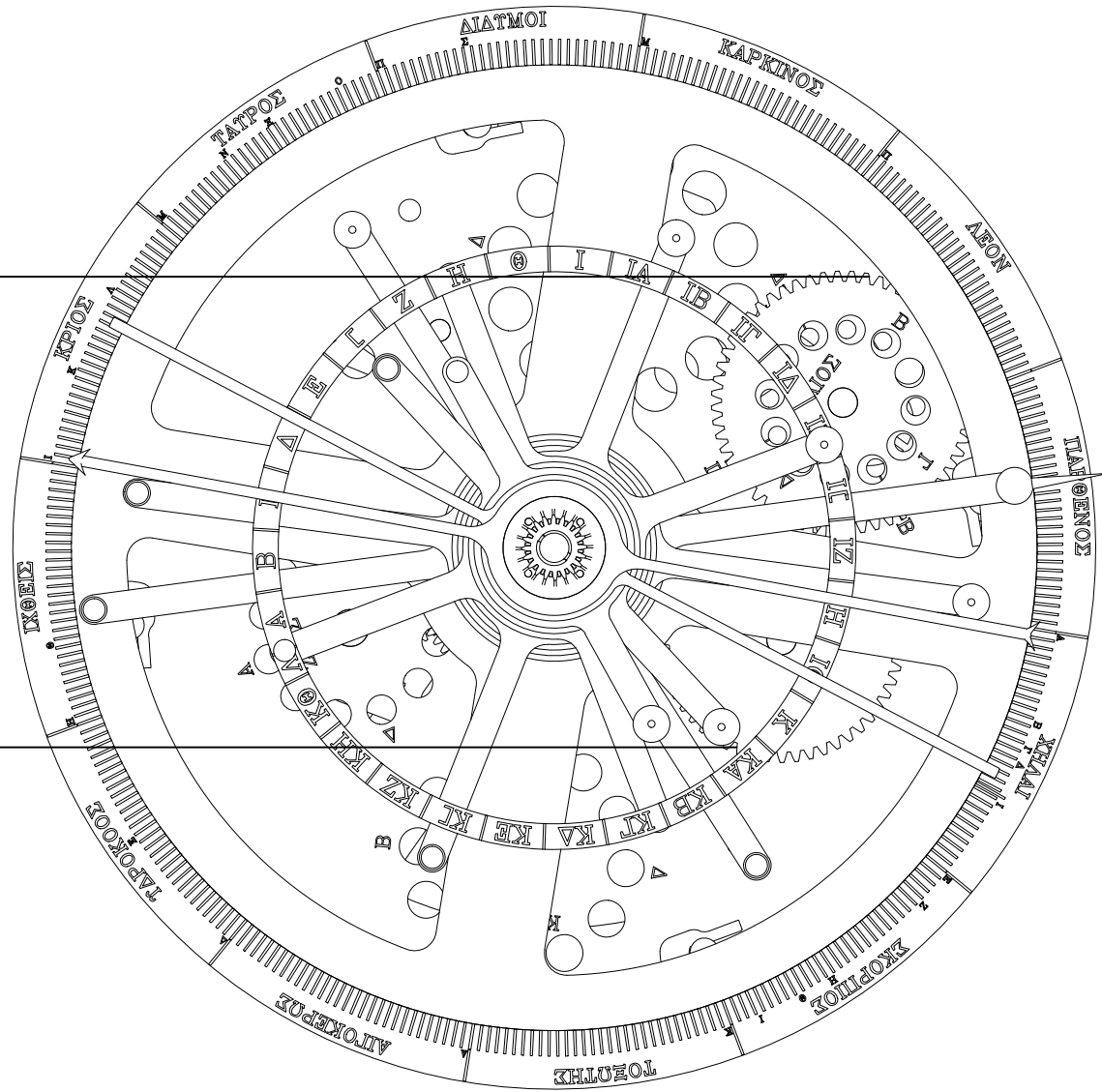
PARTS LIST			
sun	QTY	FILE NAME	MATERIAL
sun1	1	sun1.ipt	Bronze
sun2	1	sun1 axle ID.ipt	Bronze
sun3	1	sun1 axle OD.ipt	Bronze
sun4	1	sun1 pin.ipt	Bronze
sun5	1	Sun Dial.ipt	Bronze
sun6	1	Sun pointer base top.ipt	Bronze
sun7	2	Sun Pointer pin.ipt	Bronze
sun8	2	Sun Pointer pin Orb.ipt	Bronze
sun9	1	Sun Pointer Orb.ipt	Bronze
sun10	1	Sun Pointer Orb small.ipt	Bronze
sun11	1	Sun pointer axle bottom.ipt	Bronze
sun12	1	Sun pointer axle top.ipt	Bronze
sun13	1	Sun Axle.ipt	Bronze
sun14	1	Sun Slot spacer.ipt	Bronze
sun15	1	Sun Slot.ipt	Bronze
sun16	1	Sun True Slot.ipt	Bronze
sun17	1	Sun True Axle.ipt	Bronze
	19	Parts to manufacture	
b0	1	b0 Gear 20T cut.ipt	
ven19	1	Venus pin.ipt	

PROJECT		Antikithera Mechanism		Designed and drawn by:© Dr N Andronis PhD CPEng	
SIZE	DWG NO	REV			
A3	Sun (parts list)	8.0			
SCALE	1	10/07/2022	SHEET 2 OF 8		

A ΑΙΤΟΚΕΡΩΣΑΡΧΕΤΑΙΑΝΑΤΕΛΛΕΙΝ Α Ι ΚΡΙΟΣΑΡΧΕΤΑΙΕΠΙΤΕΛΛΕΙΝ Α
ΤΡΟΠΑΙΧΕΙΜΕΡΙΝΑ Α Κ ΙΣΗΜΕΡΙΑΕΑΡΙΝΗ Α
Γ ΕΙ ΕΣΠΕΡΙ ΙΕΣΠΕΡΙ
Δ ΤΑΡΟΧΟΟΣΑΡΧΕΤΑΙΕΠΙΤΕΛΛΕΙΝΑ ΕΣΠΕΡΙΟΧ ΙC ΡΙΑΙ Χ
Ε ΤΑΡΟΧΟΟΣΑΡΧΕΤΑΙΕΠΙΤΕΛΛΕΙΝ ΕΣΠΕΡΙΟΧ ΙC ΡΙΑΙ Χ
Ι ΙΧΘΥΕΣΑΡΧΟΝΤΑΙΕΠΙΤΕΛΛΕΙΝ
Η ΙΧΘΥΕΣΑΡΧΟΝΤΑΙΕΠΙΤΕΛΛΕΙΝ
Θ

Α ΤΑΔΕΣΔΝΟΤΣΙΝΕΣΠΕΡΙΑΙ ΕΧΠΕΡΙΑ ΙΑ
Μ ΤΑΤΡΟΣΑΡΧΕΤΑΙ Ε ΙΤΕΛΛΕΙ ΚΑ
Ν ΛΤΡΑΕΠΙΤΕΛΛΕΙ ΕΣΠΕΡΙΑ ΝΑ
Ξ ΠΛΕΙΑΣΕΠΙΤΕΛΛΕΙΕΡΙΑ Δ
Ο ΤΑΣΕΠΙΤΕΛΛΕΙΕΡΙΑ Ι
Π ΔΙΑΤΜΟΙΑΡΧΝΤΑΕΠΙΤΕΛΛΕΙΝ Α
Ρ ΑΕΤΟΣΕΠΙΤΕΛΛΕΙΕΣΠΕΡΙΟΣ
Σ ΑΡΚΤΟΤΤΟ ΔΤΝΕΙ ΕΟΙΟΣ

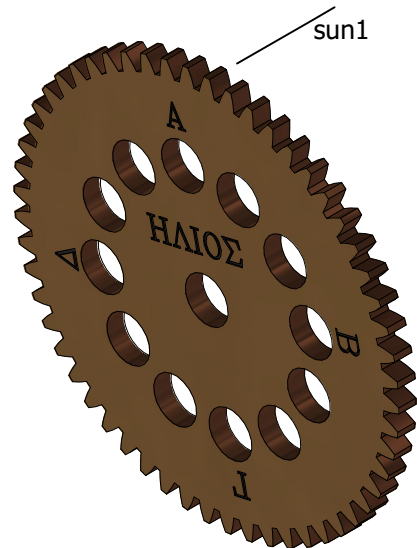
64.37



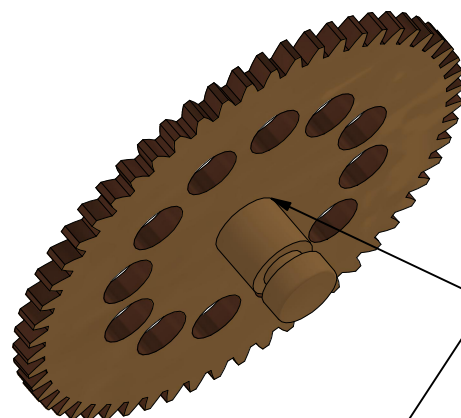
A ΧΗΛΑΙΑΡΧΟΝΤΑΙΕΠΙΤΕΛΛΕΙΝΑ
Β ΣΗΜΕΡΙΑΦΟΙΝΟΠΩΡΙΝΗ Α
Γ ΑΝΑΤΕΛΛΟΤΣΙΝ ΕΣΠΕΡΙΟΙΑ
Δ ΑΝΑΤΕΛΛΕΙΕΣΠΕΡΙΑΙΑ
Ε ΣΚΟΡΠΙΟΣΑΡΧΕΤΑΙΑΝΑΤΕΛΛΕΙΝΑ
Ι ΤΕΛΛΕΙC
Η ΤΟΞΟΘΗΣΑΡΧΕΤΑΙΕΠΙΤΕΛΛΕΙΝ Α
Θ

Μ ΚΑΡΚΙΝΟΣΑΡΧΕΤΑΙ
Ν ΩΡΙΩΝΑΤΕΛΛΕΙΕΡΙΩΙΟΣ
Ξ ΤΩΝΑΤΕΛΛΕΙΩΙΟΣ
Ο ΑΕΤΟΣΔΥΝΕΙΩΙΟΣ
Π ΛΕΩΝΑΡΧΕΤΑΙΕΠΙΤΕΛΛΕΙΝ
Ρ Σ Τ Τ Φ

PROJECT			Antikithera Mechanism		Designed and drawn by:© Dr N Andronis PhD CPEng		
SIZE	DWG NO				REV		
A3	Sun (sun1 to sp2 gear clearance)				8.0		
SCALE		1:1		10/07/2022		SHEET 3 OF 8	



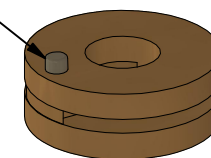
sun1



Solder sun1 to sun2

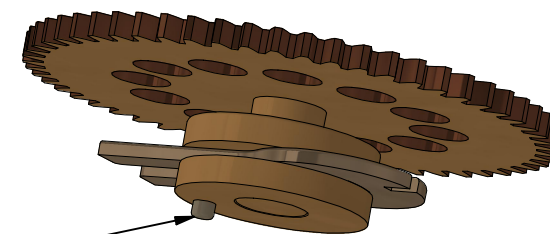
sun1 sub assembly

Rivet sun4 to sun3

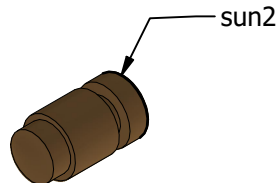
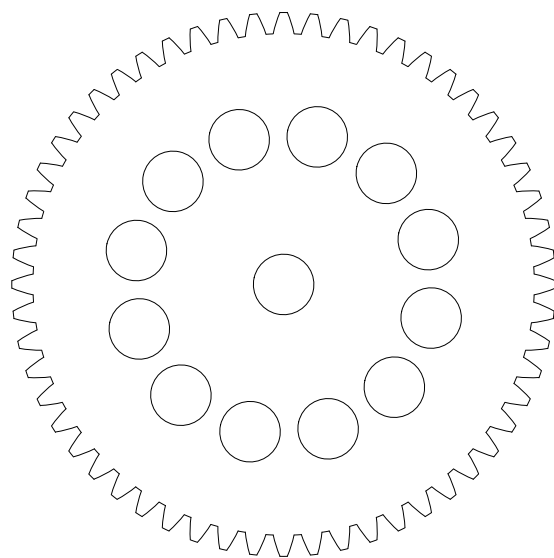


sun3 sub assembly

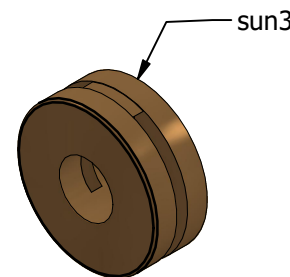
Friction rotating fit sun3 sub assembly to sun1 sub assembly



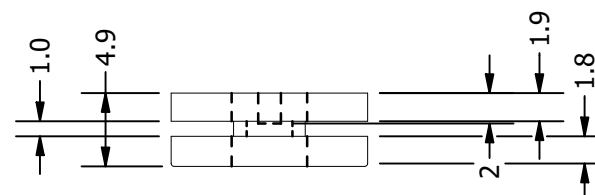
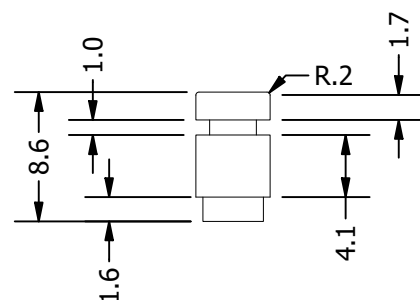
sun1 assembly



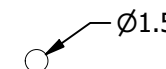
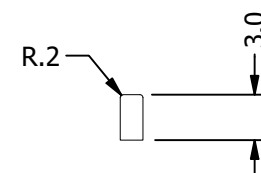
sun2



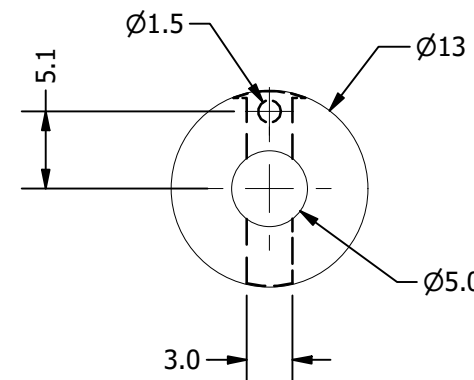
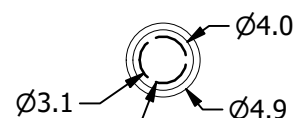
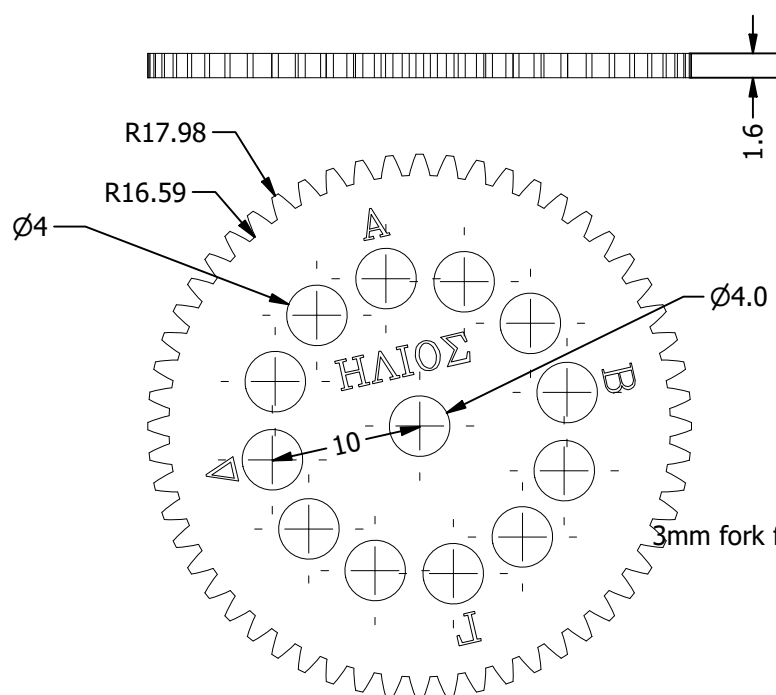
sun3



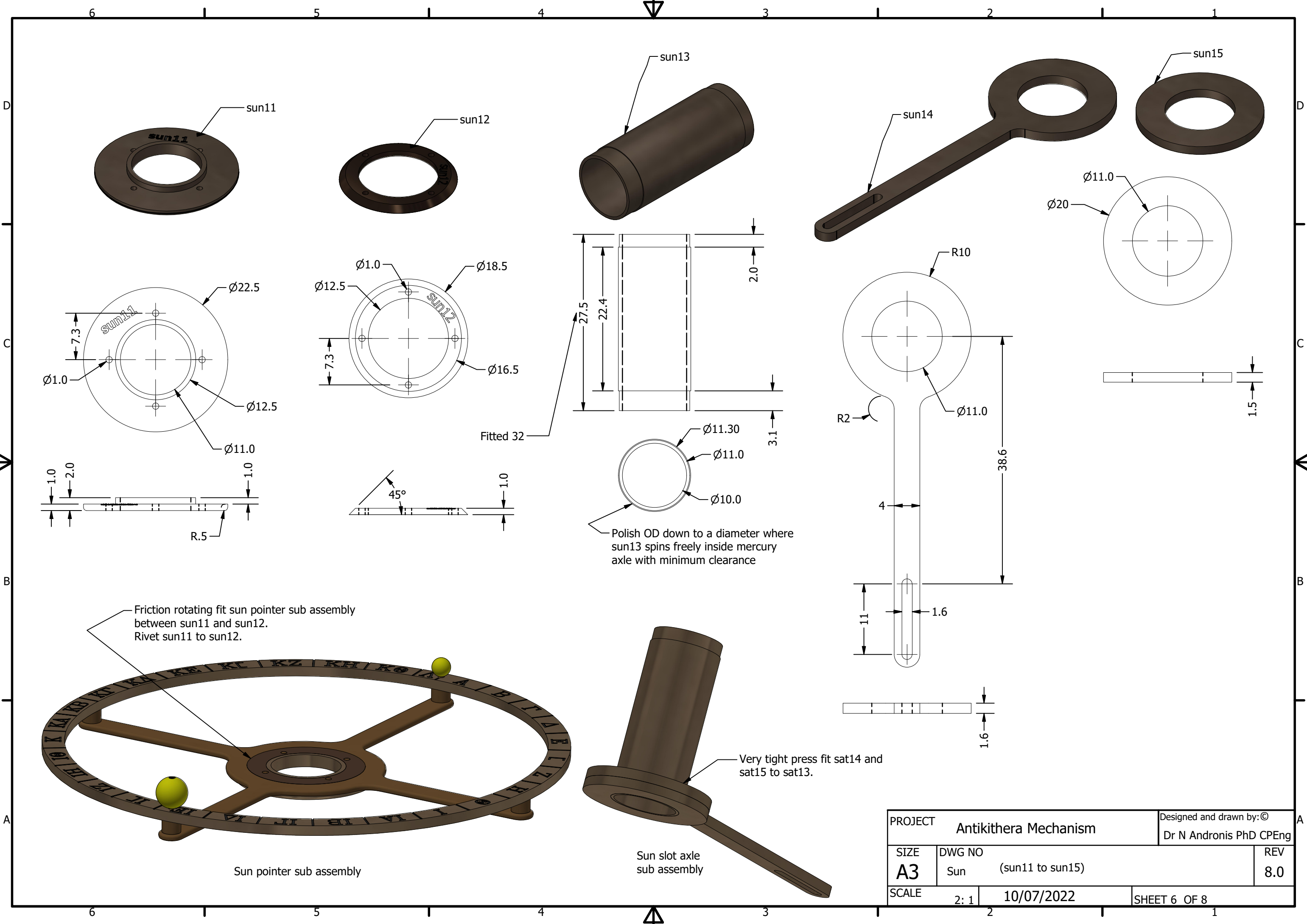
sun4



Ø1.5



PROJECT		Antikithera Mechanism		Designed and drawn by:© Dr N Andronis PhD CPEng	
SIZE	DWG NO	REV			
A3	Sun (sun1 to sun4)	8.0			
SCALE	2:1	10/07/2022	SHEET 4 OF 8		

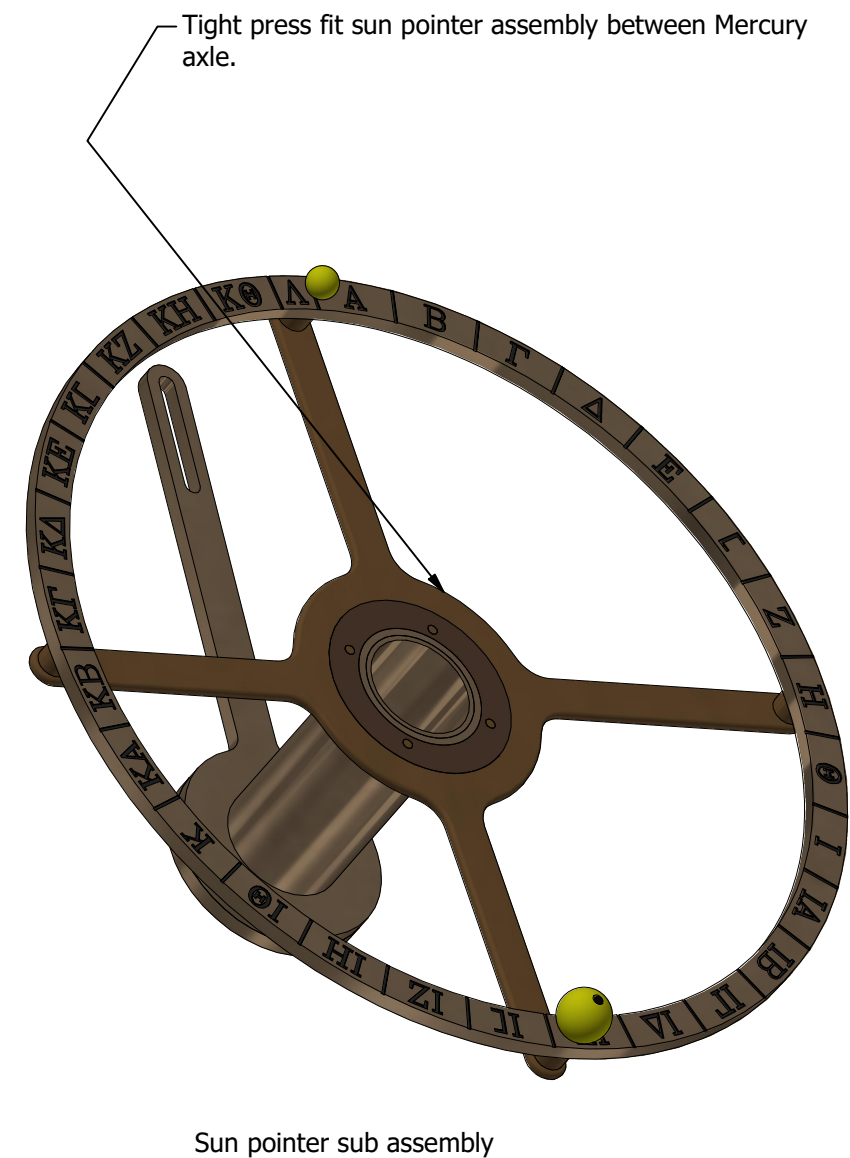
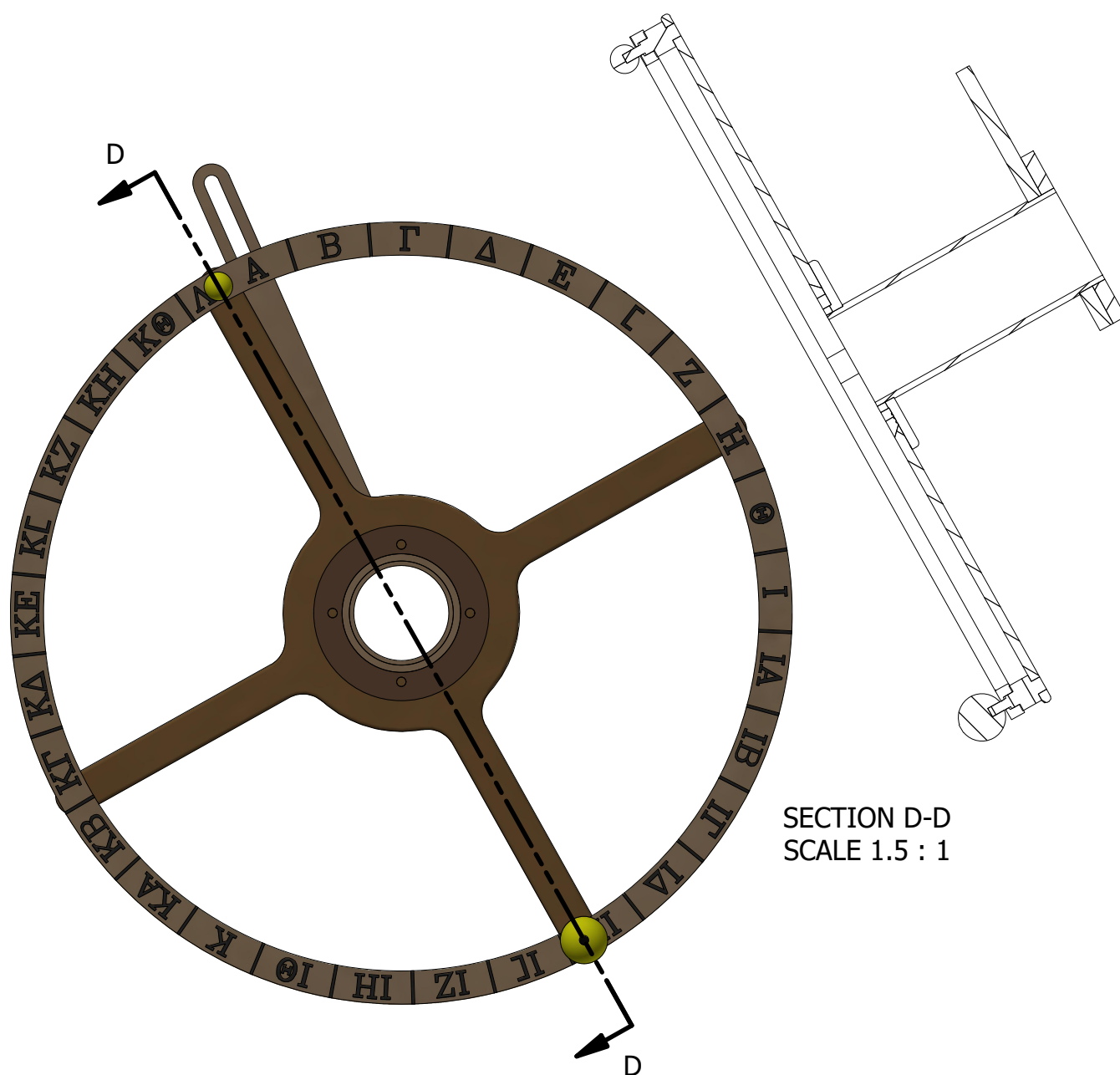


Friction rotating fit sun pointer sub assembly between sun11 and sun12. Rivet sun11 to sun12.

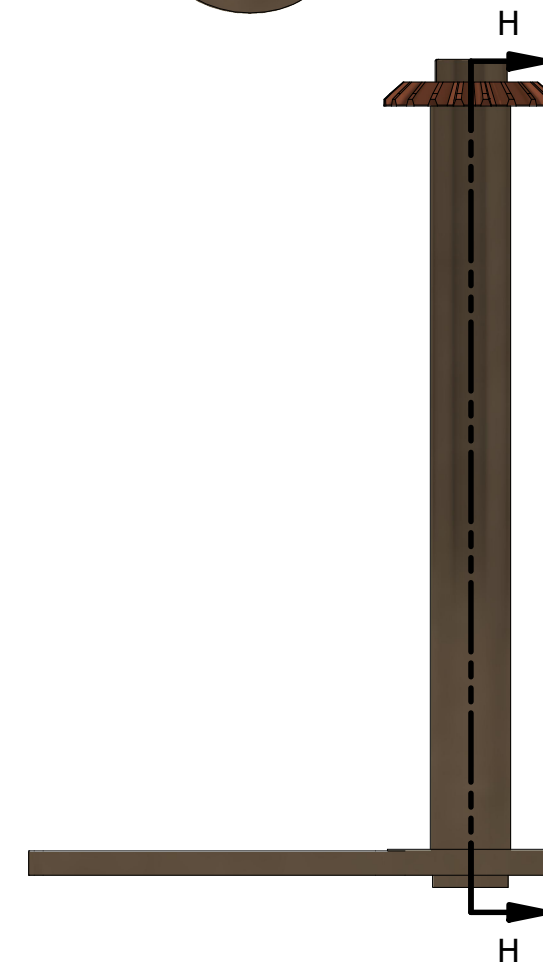
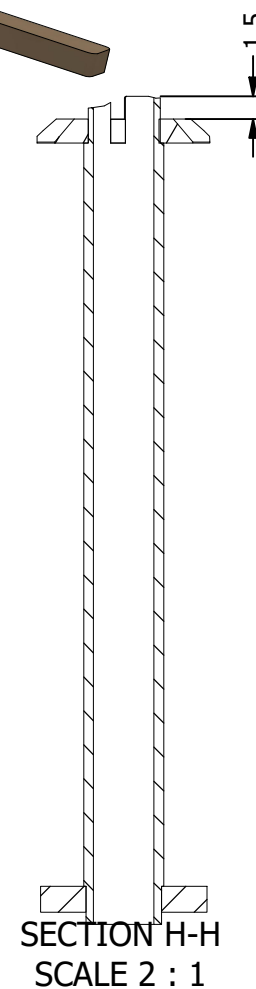
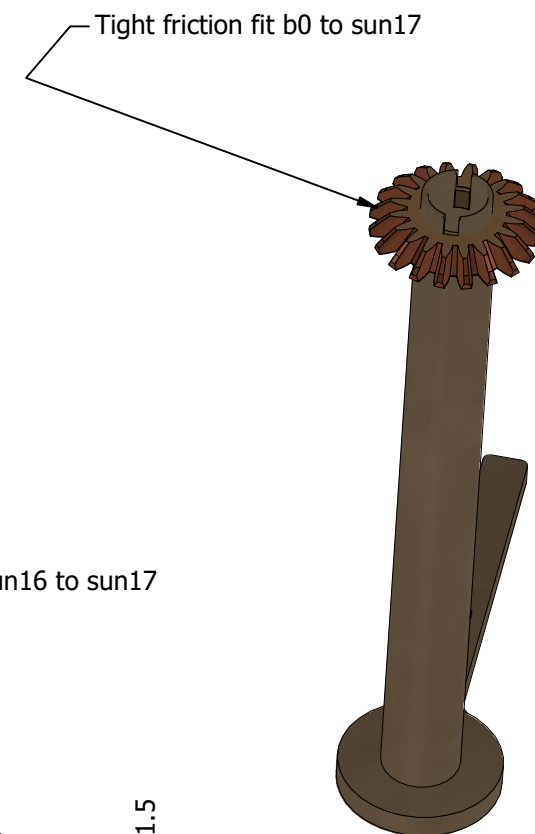
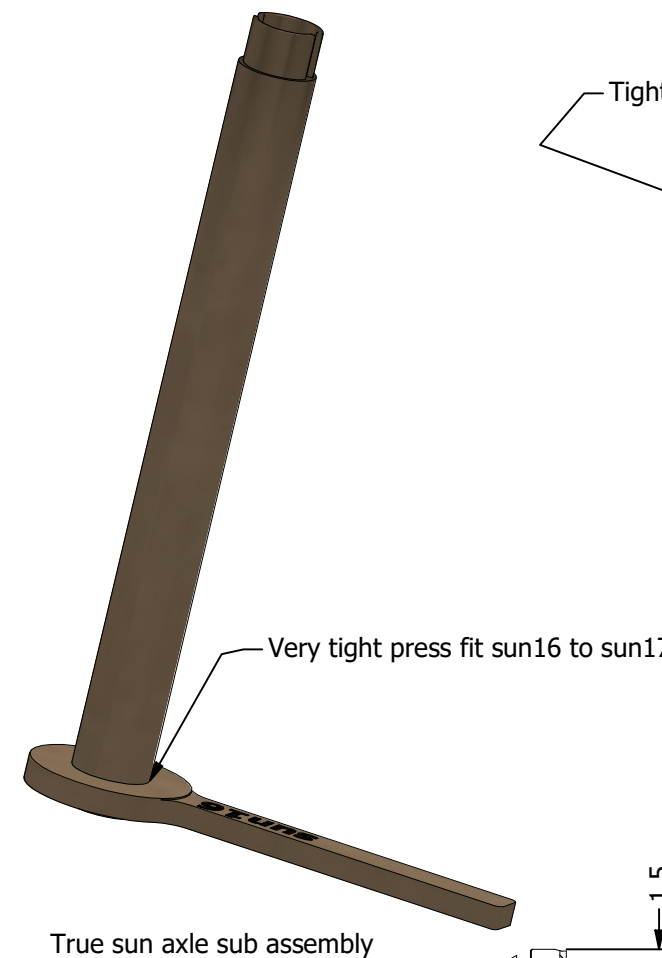
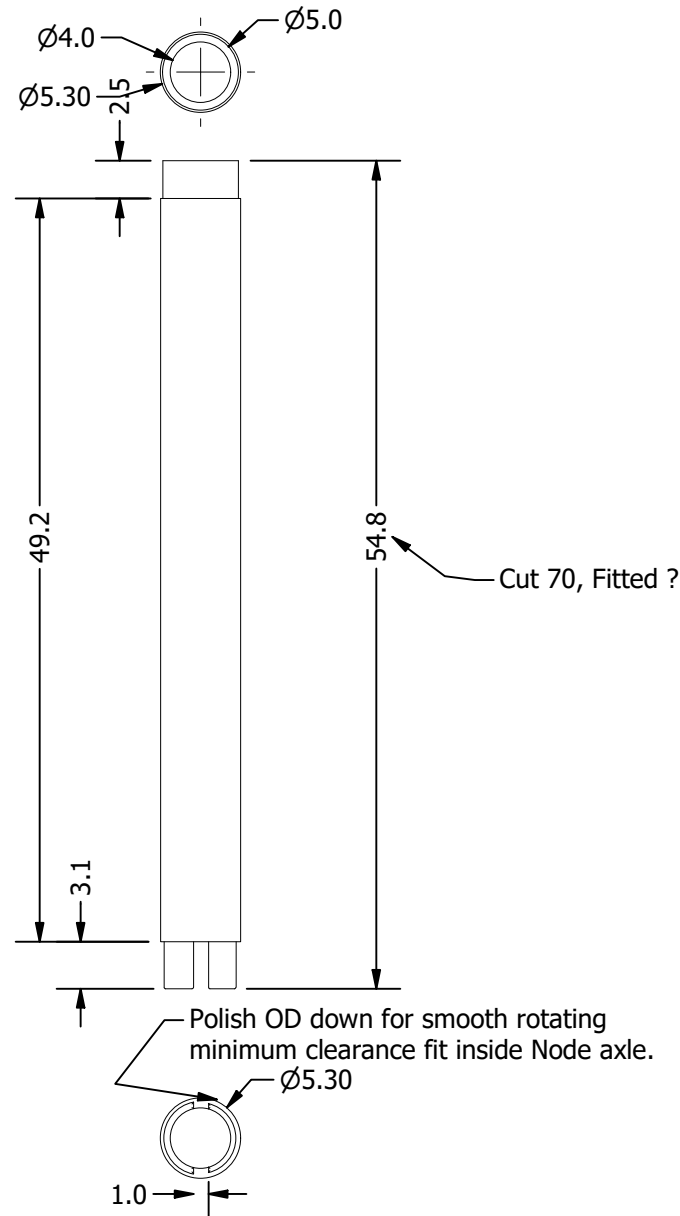
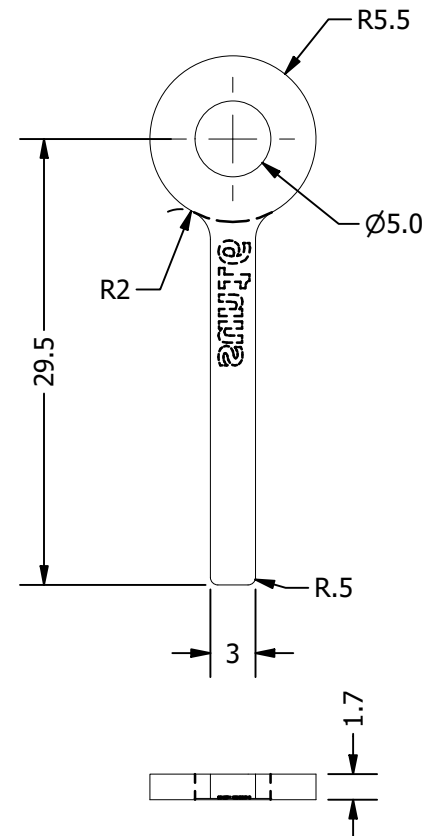
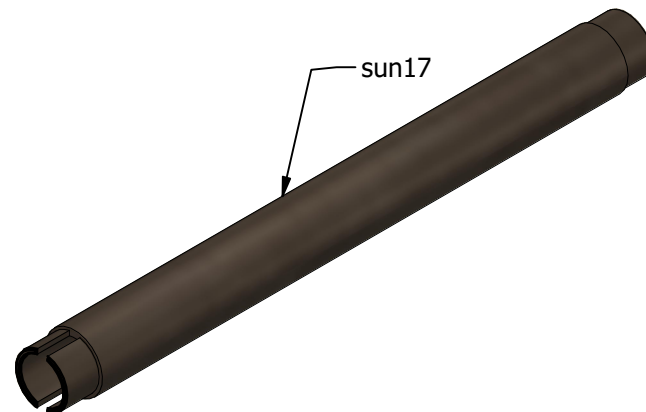
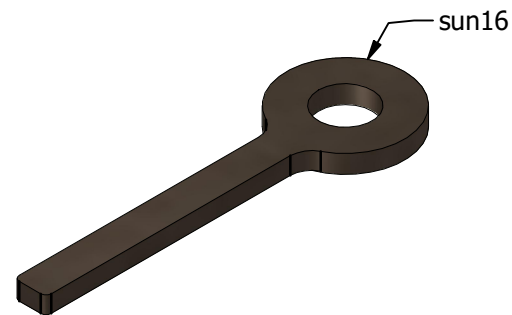
Polish OD down to a diameter where sun13 spins freely inside mercury axle with minimum clearance

Very tight press fit sat14 and sat15 to sat13.

PROJECT		Antikithera Mechanism		Designed and drawn by:©	
SIZE		DWG NO		REV	
A3		Sun (sun11 to sun15)		8.0	
SCALE		2: 1		10/07/2022	
				SHEET 6 OF 8	



PROJECT		Antikithera Mechanism		Designed and drawn by:© Dr N Andronis PhD CPEng	
SIZE	DWG NO	REV			
A3	Sun	(sun13 to sun14)		8.0	
SCALE	1.5 : 1	10/07/2022		SHEET 7 OF 8	



PROJECT		Antikithera Mechanism		Designed and drawn by:© Dr N Andronis PhD CPEng	
SIZE	DWG NO	REV			
A3	Sun	(sun16 to sun17)			8.0
SCALE	2: 1	10/07/2022		SHEET 8 OF 8	