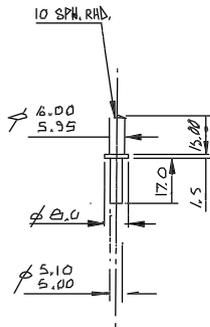


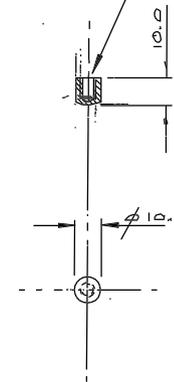
Drawing No.

W

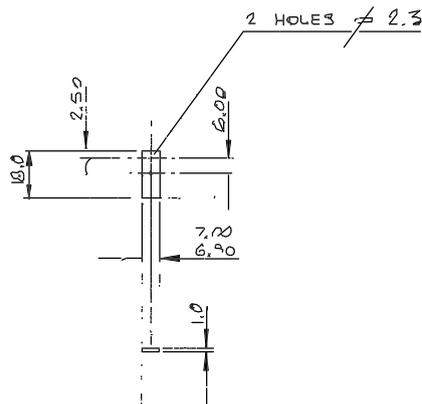


73 PUNNER			
MATERIAL AISI 321	SCALE 1:1	TOLERANCES ±	
FINISH CLEAN	NO REQ. PER UNIT 1	X 0.5	Z
G.A. No.	DRAWING No. R.G.O. W/44/073	XX 0.3	XXX 0.1

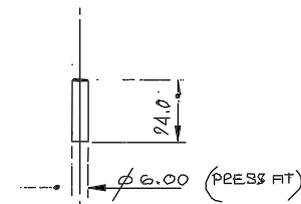
M6 X 6 NOT TO BREAK THROUGH



75 RAIN CAP			
MATERIAL BRASS	SCALE 1:1	TOLERANCES ±	
FINISH BLK. NIK. PL.	NO REQ. PER UNIT 1	X 0.5	Z
G.A. No.	DRAWING No. R.G.O. W/44/073	XX 0.3	XXX 0.1



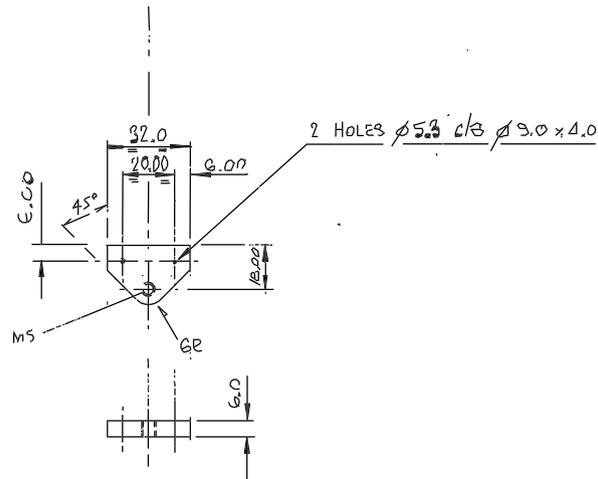
74 FLAG			
MATERIAL ALUMINIUM	SCALE 1:1	TOLERANCES ±	
FINISH FLAG	NO REQ. PER UNIT 1	X 0.5	Z
G.A. No.	DRAWING No. R.G.O. W/44/074	XX 0.3	XXX 0.1



76 PIVOT			
MATERIAL SAE 5160 STEEL	SCALE 1:1	TOLERANCES ±	
FINISH CLEAN	NO REQ. PER UNIT 1	X 0.5	Z
G.A. No.	DRAWING No. R.G.O. W/44/076	XX 0.3	XXX 0.1

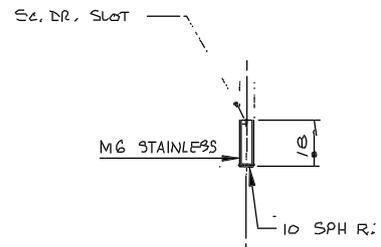
								Tolerances (Unless otherwise stated)		Material		Drawn in m.m.		Scale		THIRD ANGLE PROJECTION		G.A. No. W/44/076	
								X ±		Finish		Dwg. No.		ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE HAILSHAM SUSSEX.		This		Drawing No.	
								X.Y ±		Used on		No. Req.						W/44/073 ~ 076	
								XXX ±											
Issue	Mod. No.	Date	Drawn By	Issue	Mod. No.	Date	Drawn By												

Drawing No.
V

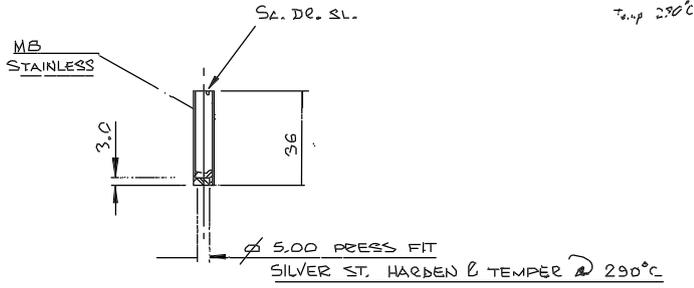


TITLE 69 TOP PL. ADJUSTER.		
MATERIAL M6-30-W/P	SCALE 1:1	TOLERANCES ± X 0.5 XX 0.3 XXX 0.1
FINISH BLK. ANGLE	NO REQ. PER UNIT 2	
G.A. No.	DRAWING No. R.G.O. W/99/069	

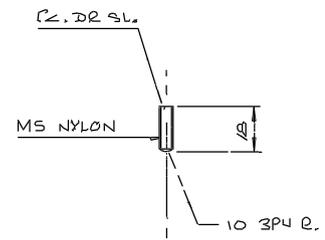
46. x. 9



TITLE 71 GRATING CELL LOCATION S2		
MATERIAL S2. ST.	SCALE 1:1	TOLERANCES ± X 0.5 XX 0.3 XXX 0.1
FINISH	NO REQ. PER UNIT 3	
G.A. No.	DRAWING No. R.G.O. W/99/071	

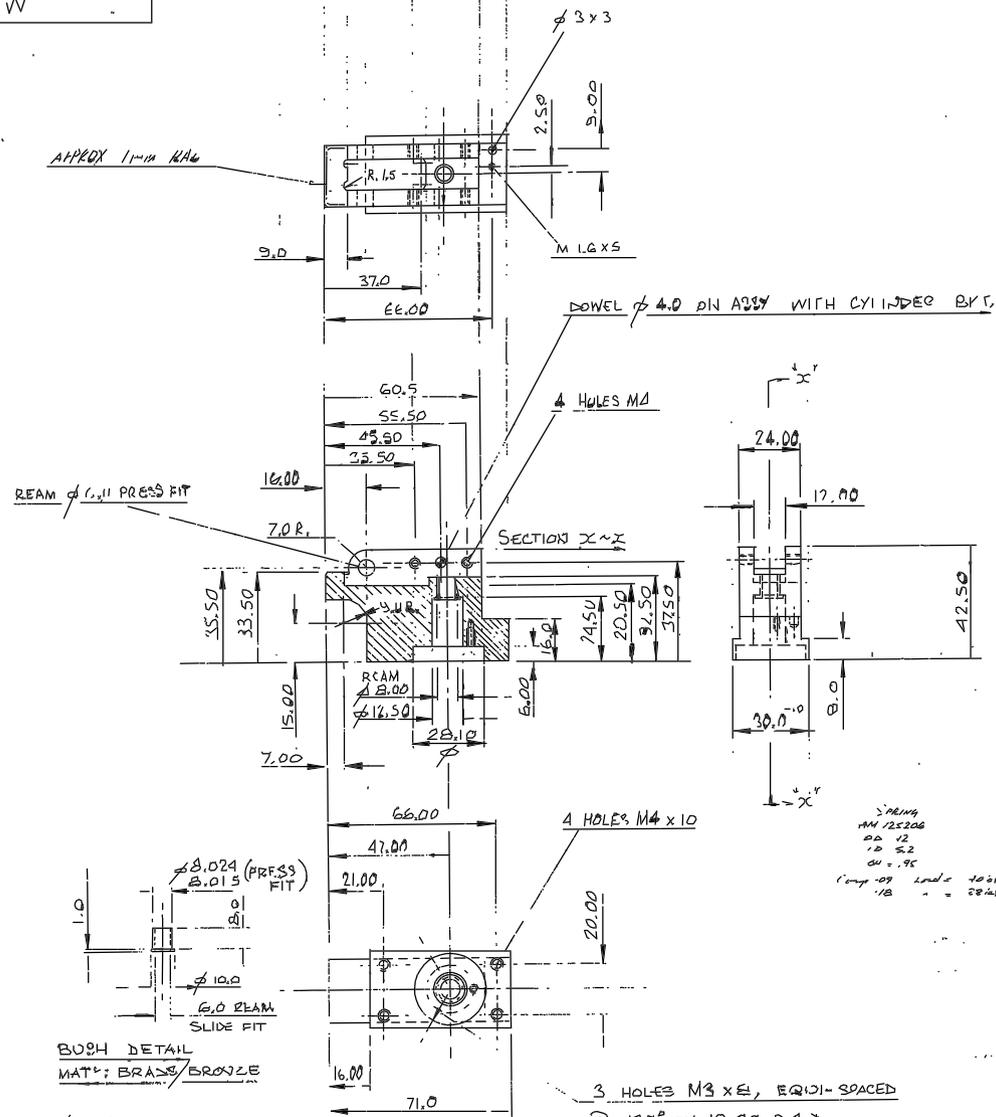


TITLE 70 PRE-LOAD SC		
MATERIAL M6-30-W/P	SCALE 1:1	TOLERANCES ± X 0.5 XX 0.3 XXX 0.1
FINISH CLEAN	NO REQ. PER UNIT 1	
G.A. No.	DRAWING No. R.G.O. W/99/070	



TITLE 72 CLAMP S2		
MATERIAL M5 NYLON	SCALE 1:1	TOLERANCES ± X 0.5 XX 0.3 XXX 0.1
FINISH	NO REQ. PER UNIT 3	
G.A. No.	DRAWING No. R.G.O. W/99/072	

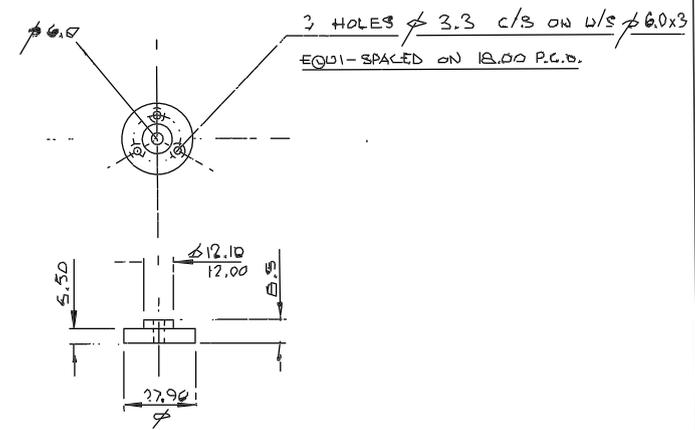
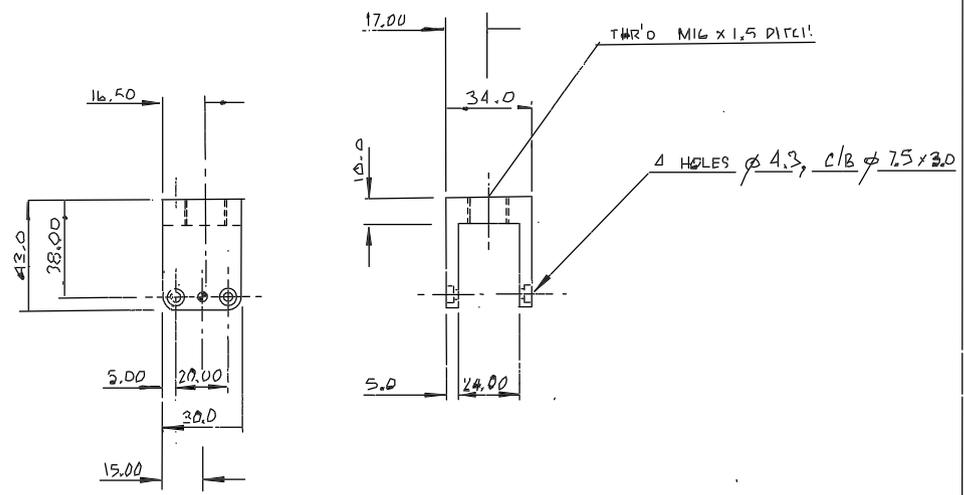
Tolerances (Unless otherwise stated)								Material		Dimns. in m.m.		Scale	THIRD ANGLE PROJECTION		Title		G.A. No. V/99/000	
X ± XX ± XXX ±								Finish		ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE HAILSHAM					Drawing No.		W/99/069-072	
Issue	Mod. No.	Date	Drawn By	Issue	Mod. No.	Date	Drawn By	Used on		No. Req.		SUSSEX.						



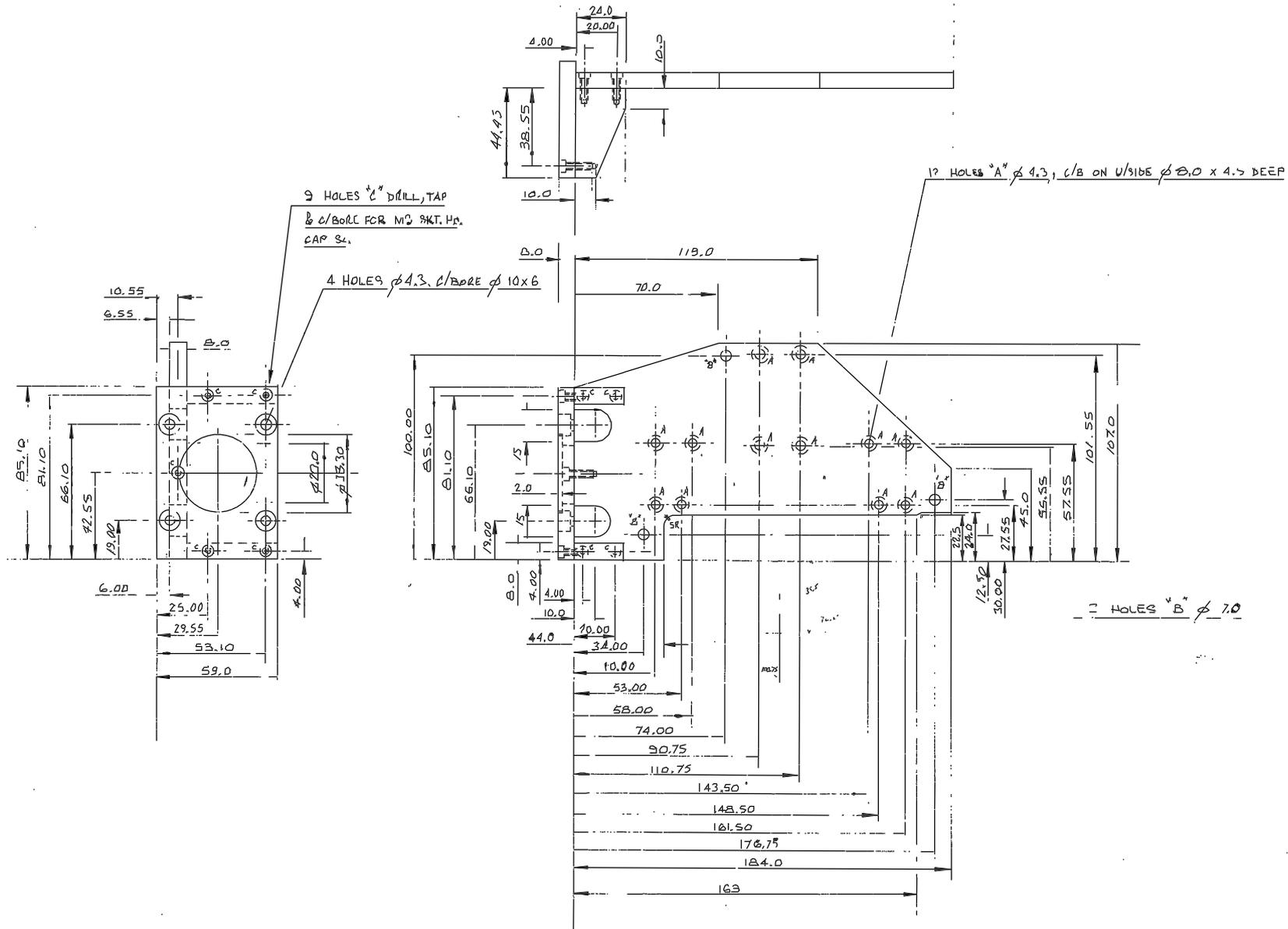
66 CLAMP BODY		
MATERIAL ALUMINIUM	SCALE 1:1	TOLERANCES ±
FINISH BLK. ANODISE	NO REQ. PER UNIT /	X 0.5 XX 0.3 XXX 0.1
D.A. No.	DRAWING No.	
	R.G.O. W/44/066	

67 CYLINDER EXT		
MATERIAL ALUMINIUM	SCALE 1:1	TOLERANCES ±
FINISH BLK. ANODISE	NO REQ. PER UNIT /	X 0.5 XX 0.3 XXX 0.1
D.A. No.	DRAWING No.	
	R.G.O. W/44/067	

68 SPRING CAP		
MATERIAL ALUMINIUM	SCALE 1:1	TOLERANCES ±
FINISH BLK. ANODISE	NO REQ. PER UNIT /	X 0.5 XX 0.3 XXX 0.1
D.A. No.	DRAWING No.	
	R.G.O. W/44/068	

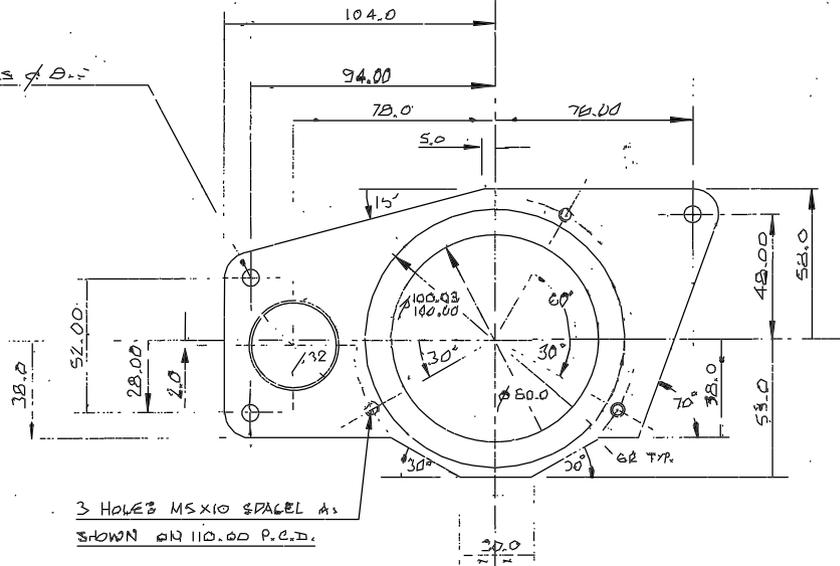


DIMENSIONS IN mm								TOLERANCES (Unless otherwise stated)		MATERIAL		FINISH		THIRD ANGLE PROJECTION		G.A. No. V/44/066			
Issue	Mod. No.	Date	Drawn By	Issue	Mod. No.	Date	Drawn By	X ±	XX ±	XXX ±	Alu.	Blk. Anodise	Proj. No.	No. Req.	ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE, HAILSHAM	SUSSEX	Title	Drawing No.	
													Used on						W/44/066-068



				Tolerances (Unless otherwise stated)				Material: ALUMINIUM		Dim in m.m.		Scale: 1:1		THIRD ANGLE PROJECTION		S.A. No.		
				X ± 0.15				HP-30-TF		ROYAL GREENWICH OBSERVATORY,				THIS		Drawing No.		
				XX ± 0.25				Finish		HERSTMENCEUX CASTLE,				WORM NTG, PL.				
				XXX ± 0.5				BLK ANODISE		HAILSHAM						W/GG/065		
Issue	Mod. No.	Date	Drawn By	Issue	Mod. No.	Date	Drawn By	Used on	Eng. No.	No. Req.								

3 HOLES ϕ 10



3 HOLES MS X10 SPACED AS SHOWN ON 110.00 P.C.D.

TITLE		
62 ENCODER MFG. FL.		
MATERIAL MUNN'S 1030 TF	SCALE 1/1	TOLERANCES \pm X 0.5
FINISH BLK. ANODISE	NO REQ. PER UNIT 1	XX 0.3 XXX 0.1
G.A. No.	DRAWING No. R.G.O. W/49/062	

Issue	Mod. No.	Date	Drawn By	Issue	Mod. No.	Date	Drawn By

Tolerances (Unless otherwise stated)
X \pm
XX \pm
XXX \pm

Material	Finish

TITLE		
61 ENCODER FLANGE		
MATERIAL M.S.	SCALE 1/1	TOLERANCES \pm X 0.5
FINISH 640 & MATZ	NO REQ. PER UNIT 3	XX 0.3 XXX 0.1
G.A. No.	DRAWING No. R.G.O. W/49/062	

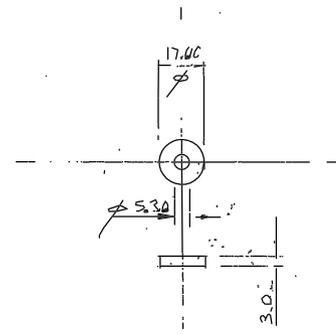
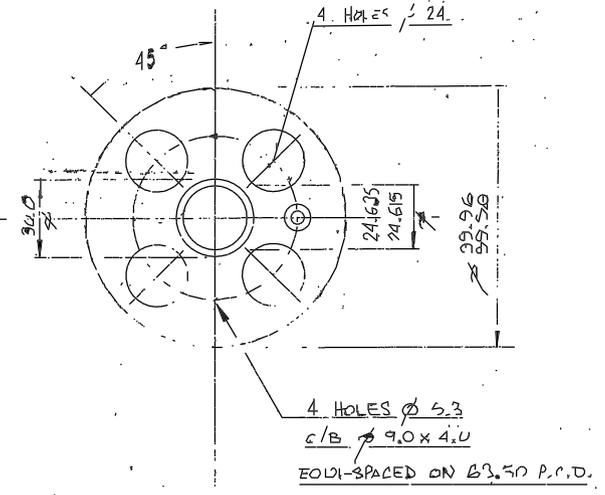
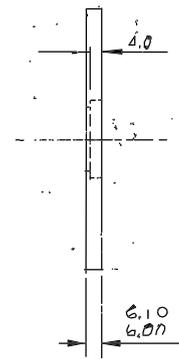
Material	Finish

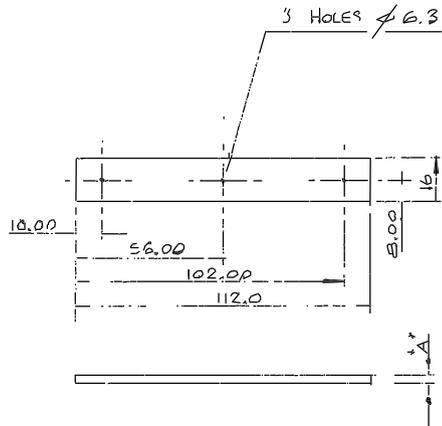
Drawn in metric
ROYAL GREENWICH OBSERVATORY,
HERSTINGNEUX CASTLE,
HAILSHAM SUSSEX.

Draw. No.	No. Req.	Used on

THIRD ANGLE PROJECTION

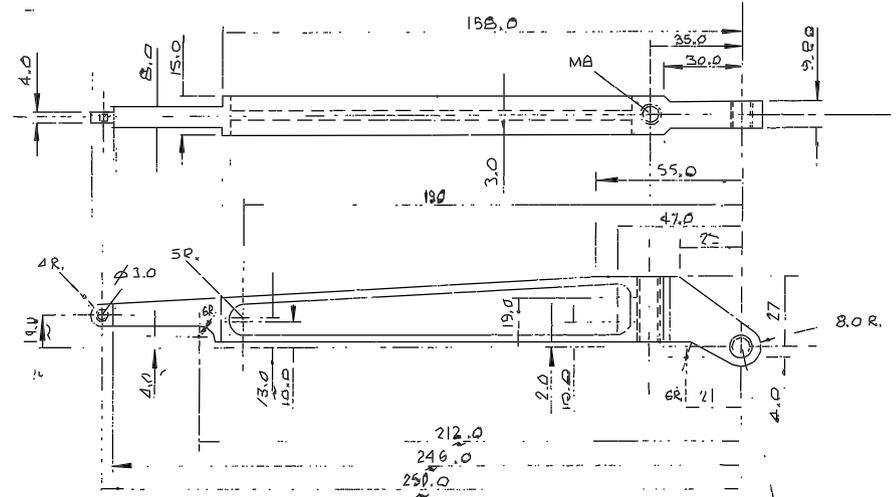
G.A. No. W/49/000
Drawing No.
VV/19/062-064





NOTE! 2 OFF WHEN 'A' = 3.0
 2 x x 'A' = 6.0 WITH
 ϕ 6.3 HOLES C/B ϕ 10.5 x 4 DSEP

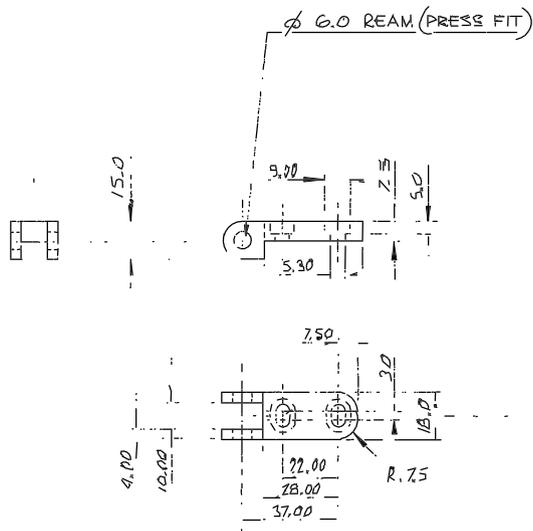
58 PLATE		
MATERIAL HP-30-TF	SCALE 1:1	TOLERANCES \pm X 0.5 XX 0.3 XXX 0.1
FINISH BLACK ANODISE	NO REQ. PER UNIT 2 x 2	
G.A. No.	DRAWING No. R.G.O. W/44/058	



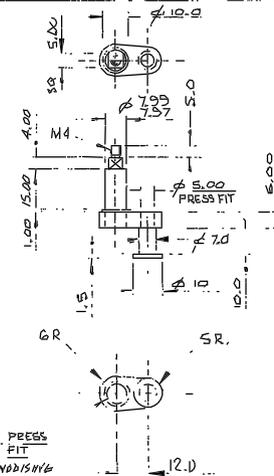
BRASS BUSH ϕ 6 REAM SLIDE FIT
 O.D. 5.00 PRESS FIT

NOTE! PRESS ASSEMBLY AFTER
 ANODISING

60 LEVER		
MATERIAL HP-30-TF	SCALE 1:1	TOLERANCES \pm X 0.5 XX 0.3 XXX 0.1
FINISH BLACK ANODISE	NO REQ. PER UNIT 1	
G.A. No.	DRAWING No. R.G.O. W/44/060	



59 PIVOT		
MATERIAL ALUMINIUM	SCALE 1:1	TOLERANCES \pm X 0.5 XX 0.3 XXX 0.1
FINISH BLACK ANODISE	NO REQ. PER UNIT 1	
G.A. No.	DRAWING No. R.G.O. W/44/059	



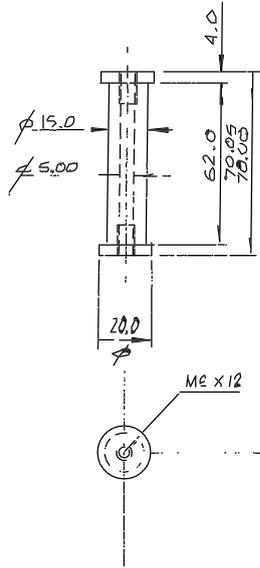
MATERIALS

PINS: AISI 321 STAINLESS ST.
 BODY: HP-30-TF ALUMINIUM

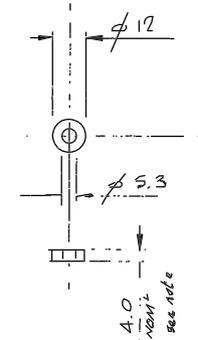
ϕ 5.0 PRESS FIT
 AFTER ANODISING

61 CRANK		
MATERIAL SEE ABOVE	SCALE 1:1	TOLERANCES \pm X 0.5 XX 0.3 XXX 0.1
FINISH BLACK ANODISE	NO REQ. PER UNIT 1	
G.A. No.	DRAWING No. R.G.O. W/44/061	

							Tolerances (Unless otherwise stated)	Material	Dim's in mm.	Scale	THIRD ANGLE PROJECTION	G.A. No. V/44/000	
							X \pm	Finish	ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE, HAILSHAM			Drawing No.	W/44/058-061
Issue	Mod. No.	Date	Drawn By	Issue	Mod. No.	Date	Drawn By	Used on	Dir. No.	No. Req.			

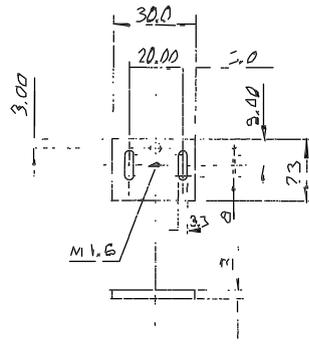


50 PILLAR		
MATERIAL	SCALE	TOLERANCES \pm
ALUMINIUM	1:1	X 0.5
FINISH	NO REQ. PER UNIT	XX 0.3
BLK ANODISE	3	XXX 0.1
G.A. No.	DRAWING No.	
	R.G.O. W/GG/050	



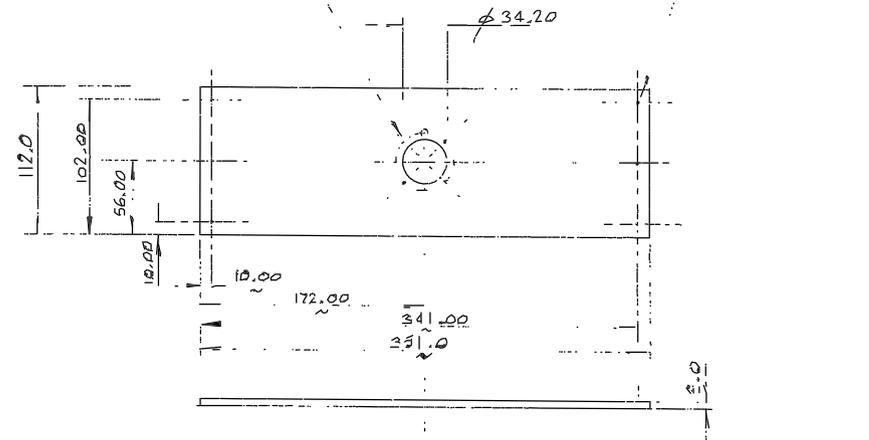
NOTE! FINAL TOLERANCES TO BE SET ON ASSY

52 SHAFT		
MATERIAL	SCALE	TOLERANCES \pm
ALUMINIUM		X 0.5
FINISH	NO REQ. PER UNIT	XX 0.3
BLK ANODISE	3	XXX 0.1
G.A. No.	DRAWING No.	
	R.G.O. W/GG/052	



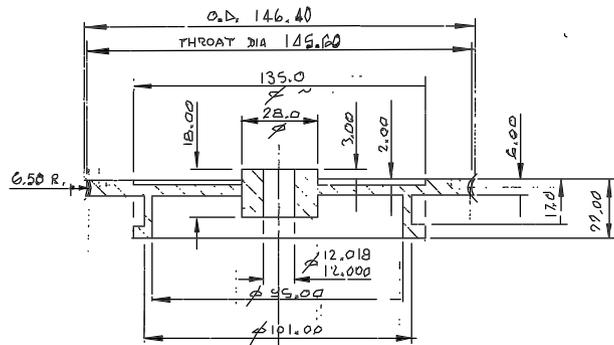
51 SWITCH Mfg. 1/2		
MATERIAL	SCALE	TOLERANCES \pm
ALUMINIUM		X 0.5
FINISH	NO REQ. PER UNIT	XX 0.3
BLK ANODISE	2	XXX 0.1
G.A. No.	DRAWING No.	
	R.G.O. W/GG/051	

6 HOLES ϕ 5.3 EQUI-SPACED AS DRAWN ON 41.00 P.C.D.

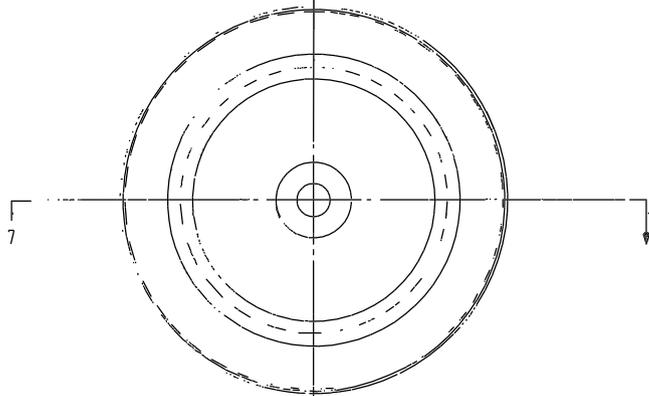


53 DIAL		
MATERIAL	SCALE	TOLERANCES \pm
ALUMINIUM	1/2	X 0.5
FINISH	NO REQ. PER UNIT	XX 0.3
BLK ANODISE	1	XXX 0.1
G.A. No.	DRAWING No.	
	R.G.O. W/GG/053	

Tolerances (Unless otherwise stated)								Material		Dimms in m.m.		Scale		THIRD ANGLE PROJECTION		G.A. No. V/GG/000	
X \pm								Finish		No. Req.		ROYAL GREENWICH OBSERVATORY, HERSTMONGEUX CASTLE, HAILSHAM		Title		Drawing No.	
XX \pm								Used on				SUSSEX.				W/GG/050-053	
XXX \pm																	

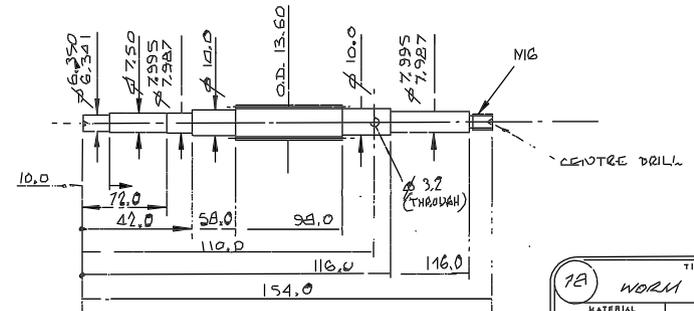


WORM WHEEL 0.2 MODULE
 180 T
 PRESSURE ANGLE 20°
 MAT: BRONZE
 P.C.D = 144.00
 BLANK DIA = 146.40



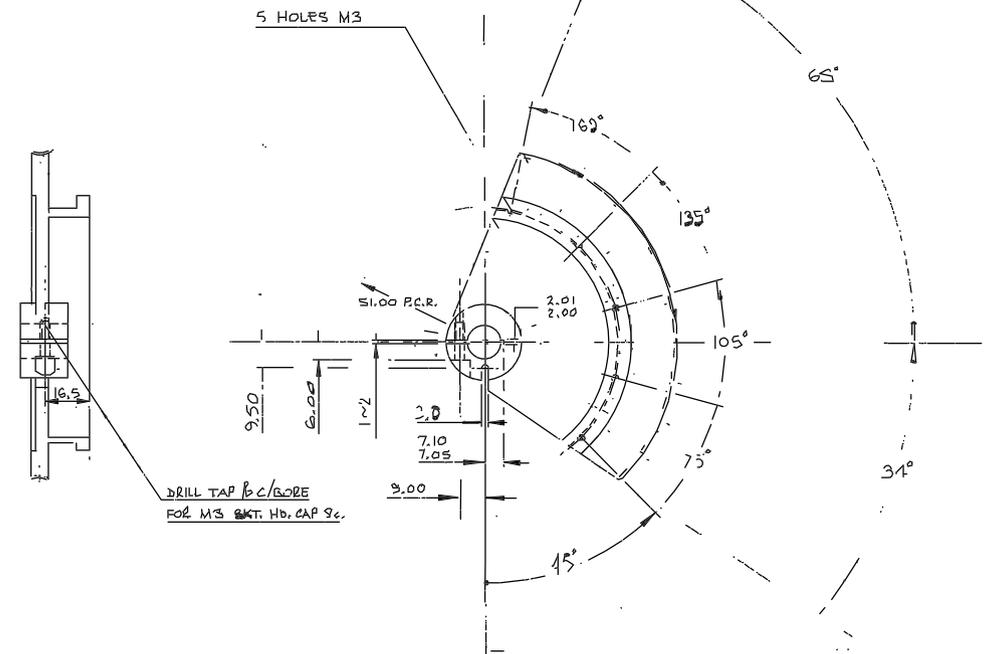
TITLE		
47	WORM WHEEL	
MATERIAL	SCALE	TOLERANCES
BRONZE	1:1	X 0.5
FINISH	NO REQ. PER UNIT	XX 0.3
CLEAN	/	XXX 0.1
D.A. No.	DRAWING No.	
	R.G.O. W/66/047	

WORM: SINGLE START
 0.2 MODULE
 17.00 P.C.D.
 P.A. 20°
 CP = 246. = 78



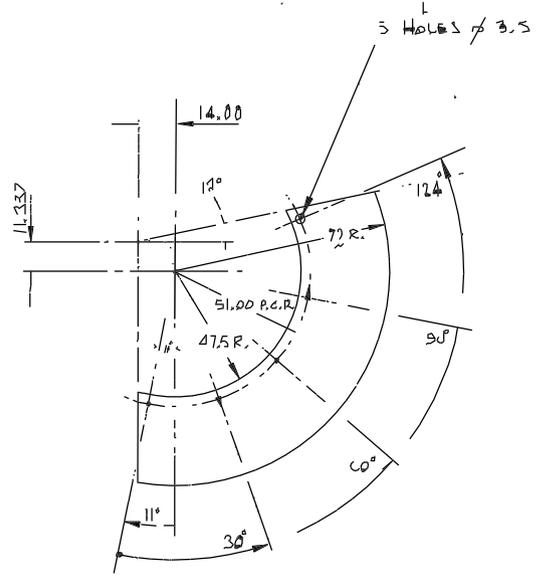
HEAT TREAT: FLAME HARDEN TEETH

TITLE		
78A	WORM	
MATERIAL	SCALE	TOLERANCES
SA Z4	1:1	X 0.5
FINISH	NO REQ. PER UNIT	XX 0.3
CLEAN	/	XXX 0.1
D.A. No.	DRAWING No.	
	R.G.O. W/66/048	

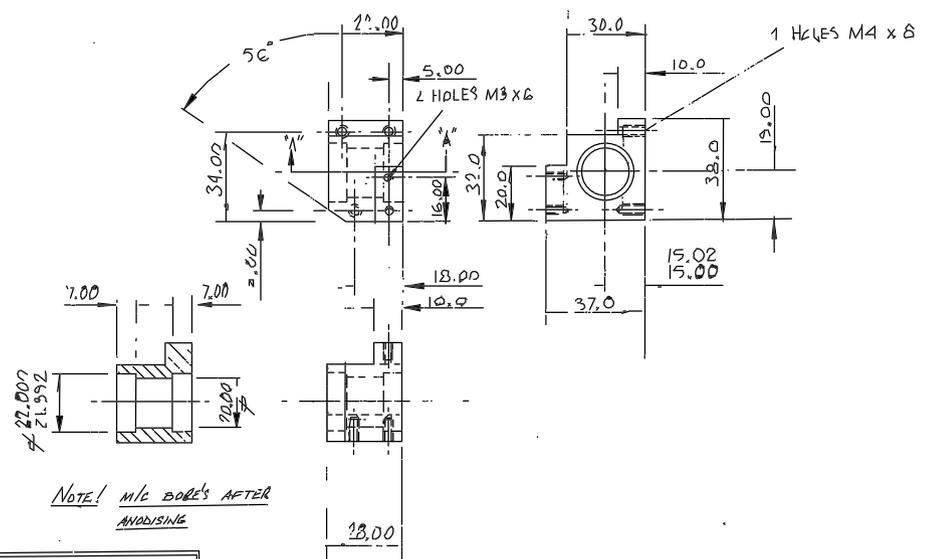


TITLE		
49	FINAL STAGE M/E - OF 100% WHEEL	
MATERIAL	SCALE	TOLERANCES
BRONZE	1:1	X 0.5
FINISH	NO REQ. PER UNIT	XX 0.3
CLEAN	/	XXX 0.1
D.A. No.	DRAWING No.	
	R.G.O. W/66/049	

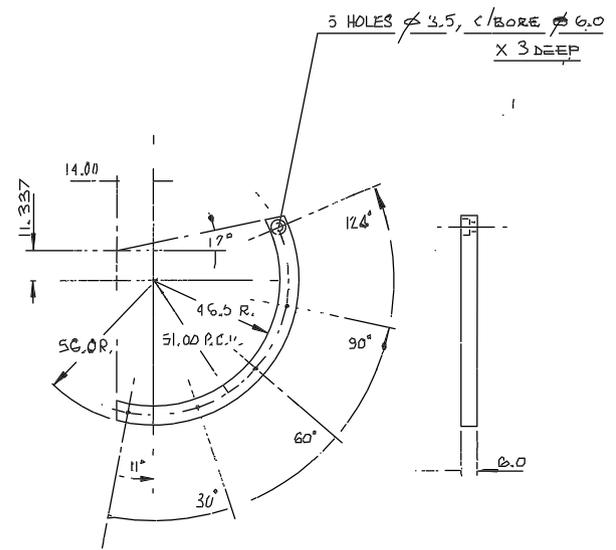
Tolerances (Unless otherwise stated)						Material		Dimms in m.m.		Scale		THIRD ANGLE PROJECTION		D.A. No. W/66/000	
Issue	Mod. No.	Date	Drawn By	Issue	Mod. No.	Date	Drawn By	Finish	Drng. No.	No. Rec.	Used on	ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE HAILSHAM SUSSEX.		Drawing No. W/66/047-049	



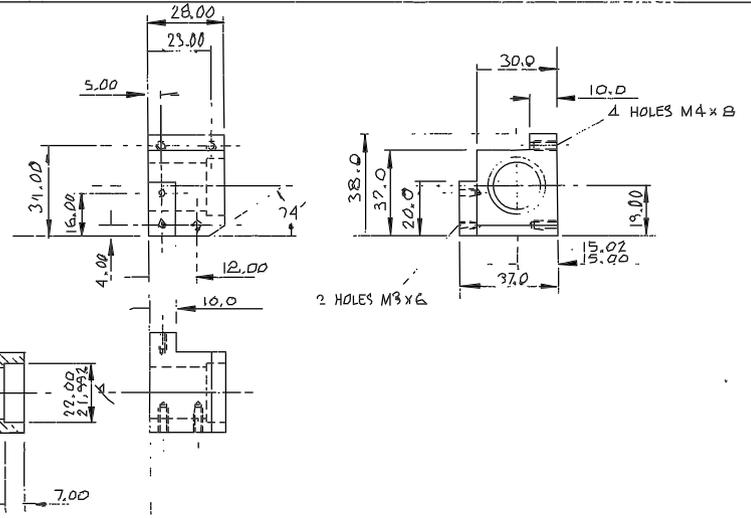
TITLE		
43	SLAMM VANE	
MATERIAL	SCALE	TOLERANCES ±
ALUMINUM 6:10	1:1	X 0.5
FINISH	NO REQS PER UNIT	XX 0.3
BLK ANODISE	/	XXX 0.1
D.A. No.	DRAWING No.	
	R.G.O. W/GG/043	



TITLE		
45	BEARING BLOCK	
MATERIAL	SCALE	TOLERANCES ±
ALUMINUM	1:1	X
FINISH	NO REQS PER UNIT	XX
BLK ANODISE	/	XXX
D.A. No.	DRAWING No.	
	R.G.O. W/GG/045	

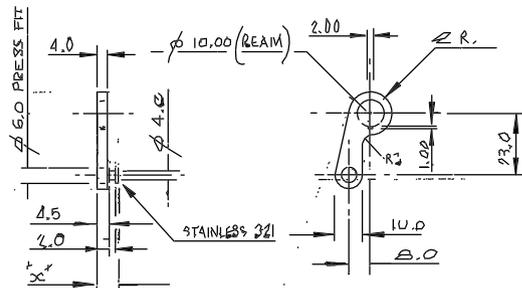


TITLE		
44	VANE RETAINER	
MATERIAL	SCALE	TOLERANCES ±
ALUMINUM	1:1	X 0.5
FINISH	NO REQS PER UNIT	XX 0.3
BLK ANODISE	/	XXX 0.1
D.A. No.	DRAWING No.	
	R.G.O. W/GG/044	



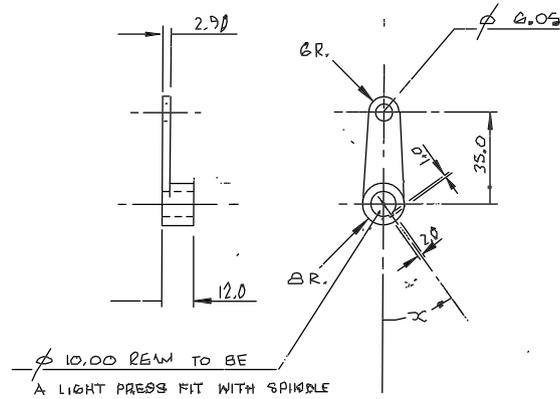
TITLE		
46	BEARING BLOCK	
MATERIAL	SCALE	TOLERANCES ±
ALUMINUM	1:1	X 0.5
FINISH	NO REQS PER UNIT	XX 0.3
BLK ANODISE	/	XXX 0.1
D.A. No.	DRAWING No.	
	R.G.O. W/GG/046	

								Tolerances (Unless otherwise stated)		Material		Dim in m.m.		Scale		THIRD ANGLE PROJECTION		G.A. No. V/GG/000	
								X ±		Finish		Orig. No.		No. Req.		ROYAL GREENWICH OBSERVATORY,		Drawing No.	
								XX ±		Used on				HERSTMENCEUX CASTLE,		W/GG/043-046			
								XXX ±						HAILSHAM		SUSSEX.			



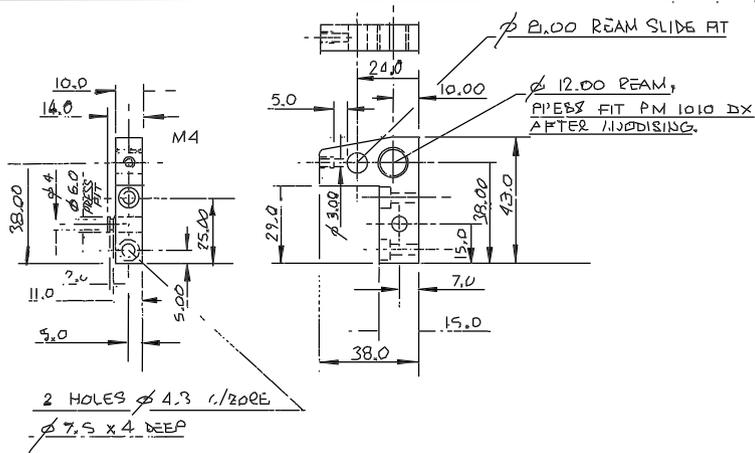
1 OFF AS DRAWN, X = 7.5
 1 OFF OPP. HAND, Z = 24 OMIT 2x1 GROOVE IN PIN
 1 OFF OPP. HAND X = 24
 1 OFF OPP. HAND X = 7.5

39 TITLE: SPRING ANCHOR.		
MATERIAL SPH 05	SCALE 1:1	TOLERANCES ± X 0.5 XX 0.3 XXX 0.1
FINISH BLK. N/PL.	No REQ. PER UNIT 1 SET OF 7	
G.A. No.	DRAWING No. R.G.O. N/66/039	



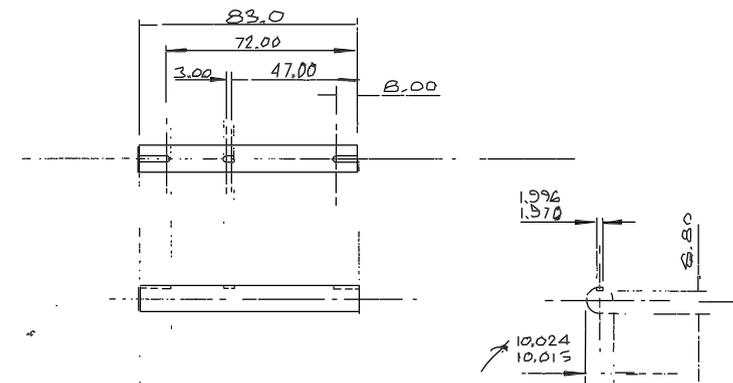
1 OFF WHEN X = 36°
 1 OFF WHEN X = 315°
 1 OFF WHEN X = 12.4°

41 TITLE: LEVER		
MATERIAL BRASS	SCALE 1:1	TOLERANCES ± X 0.5 XX 0.3 XXX 0.1
FINISH OIL N/PL.	No REQ. PER UNIT 1 SET OF 3	
G.A. No.	DRAWING No. R.G.O. W/66/071	



2 HOLES ϕ 4.3 1/200E
 ϕ 7.5 x 4 DEEP

40 TITLE: PINOT BLOCK		
MATERIAL ALUMINIUM	SCALE 1:1	TOLERANCES ± X 0.5 XX 0.3 XXX 0.1
FINISH B.K. ANODISE	No REQ. PER UNIT /	
G.A. No.	DRAWING No. R.G.O. W/66/040	



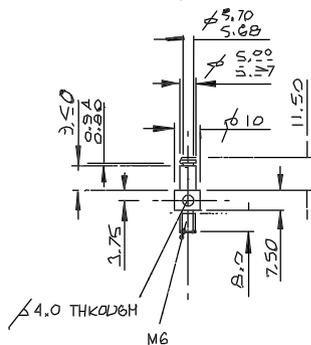
NOTE! PRODUCE 3 - 2MM SQ KEYS TO SOIT.

42 TITLE: LAMP SPINDLE		
MATERIAL ST. ST. 321	SCALE 1:1	TOLERANCES ± X 0.5 XX 0.3 XXX 0.1
FINISH CLEAN	No REQ. PER UNIT Z	
G.A. No.	DRAWING No. R.G.O. W/66/042	

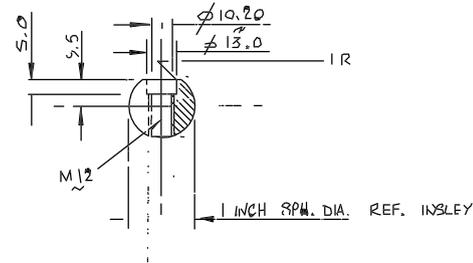
Drawing No.

W

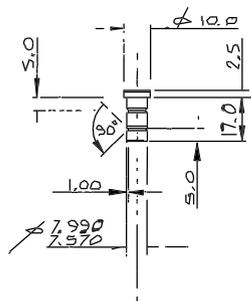
#X S=9



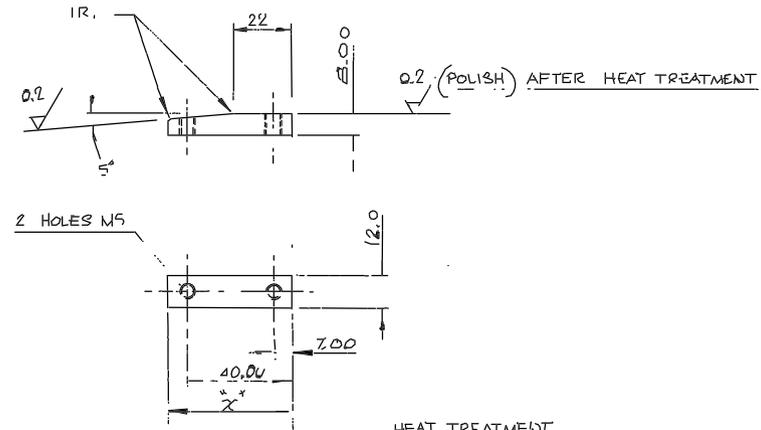
TITLE		
35 CYLINDER PIVOT		
MATERIAL AISI 321	SCALE 1:1	TOLERANCES ± X 0.5 XX 0.3 XXX 0.1
FINISH CLEAN	NO REQ. PER UNIT 3	
D.A. No.	DRAWING No. R.G.O. W/66/035	



TITLE		
37 BALL		
MATERIAL AISI 316	SCALE 1:1	TOLERANCES ± X 0.5 XX 0.3 XXX 0.1
FINISH CLEAN	NO REQ. PER UNIT 1	
D.A. No.	DRAWING No. R.G.O. W/66/037	



TITLE		
36 CATCH		
MATERIAL AISI 321	SCALE 1:1	TOLERANCES ± X 0.5 XX 0.3 XXX 0.1
FINISH CLEAN	NO REQ. PER UNIT 3	
D.A. No.	DRAWING No. R.G.O. W/66/036	



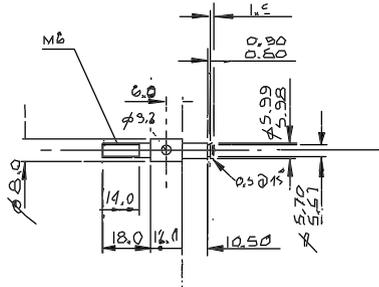
TITLE		
38 LOCATION PAD		
MATERIAL AISI 440C	SCALE 1:1	TOLERANCES ± X 0.5 XX 0.3 XXX 0.1
FINISH CLEAN	NO REQ. PER UNIT 3	
D.A. No.	DRAWING No. R.G.O. W/66/038	

HEAT TREATMENT
HEAT TO 1000/1050°C, OIL QUENCH
TEMPER @ 300°C

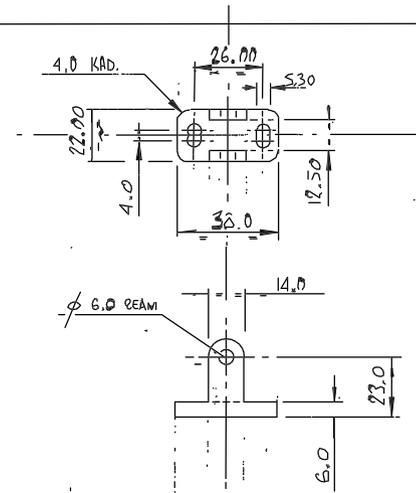
1 OFF WHEN DIMN X = 47.0
2 * * * * X = 57.0

Tolerances (Unless otherwise stated)				Material		Dimm. in m.m.		Scale		THIRD ANGLE PROJECTION		Title	
X	±												
XX	±												
XXX	±												
Issue	Mod. No.	Date	Drawn By	Issue	Mod. No.	Date	Drawn By	Eng. No.	No. Req.	ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE, HAILSHAM SUSSEX.		D.A. No. V/66/000 Drawing No. W/66/035-038	

Drawing No.
V'

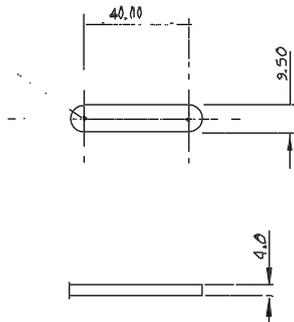


TITLE		
27 PRE-LOAD ROLLER SPINDLE		
MATERIAL AISI 321	SCALE 1:1	TOLERANCES X 0.5 XX 0.3 XXX 0.1
FINISH CLEAN	NO REQ. PER UNIT Z	
G.A. No.	DRAWING No. R.G.O. W/00/027	

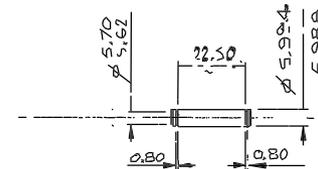


TITLE		
29 CYLINDER PART EXT		
MATERIAL ALUMINIUM	SCALE 1:1	TOLERANCES X 0.5 XX 0.3 XXX 0.1
FINISH ELU ANODISE	NO REQ. PER UNIT /	
G.A. No.	DRAWING No. R.G.O. W/00/029	

2 HOLES $\phi 1.2$ C/B $\phi 7.0 \times 3.0$

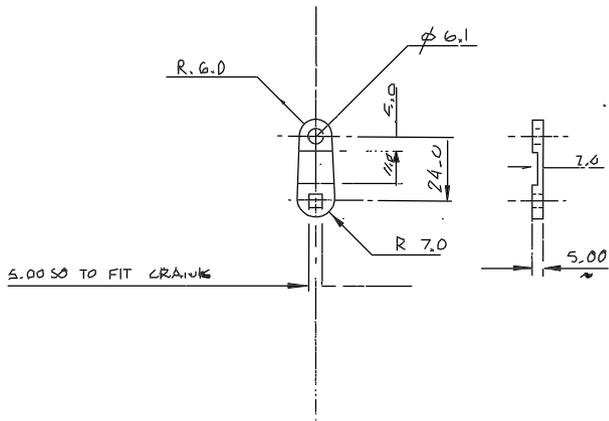


TITLE		
28 9/1 ROLLER COVER		
MATERIAL HP-30-TF	SCALE 1:1	TOLERANCES X 0.5 XX 0.3 XXX 0.1
FINISH BLK ANODISE	NO REQ. PER UNIT /	
G.A. No.	DRAWING No. R.G.O. W/00/028	

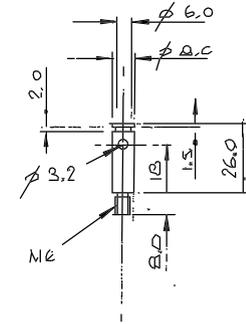


TITLE		
30 CYLINDER PIVOT		
MATERIAL STAINLESS ST	SCALE 1:1	TOLERANCES X 0.5 XX 0.3 XXX 0.1
FINISH CLEAN	NO REQ. PER UNIT /	
G.A. No.	DRAWING No. R.G.O. W/00/030	

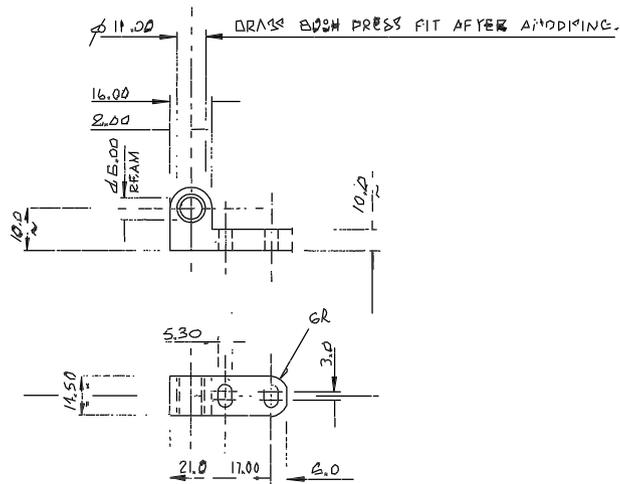
Tolerances (Unless otherwise scaled)				Material		Dimm: In mm.		Scale		THIRD ANGLE PROJECTION		G.A. No. V/00/000	
Issue	Mod. No.	Date	Drawn By	Finish	Material	Dim. No.	No. Req.	Scale	Scale	Title	Drawing No.		
												V/00/027-030	
												105/000 2/6/06	



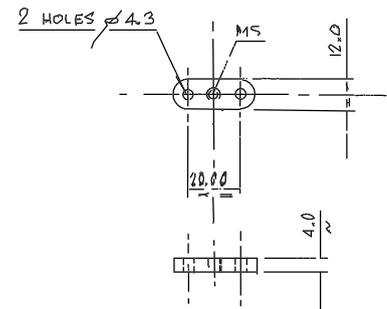
23 CRANK ARM		
MATERIAL BRASS	SCALE 1:1	TOLERANCES ± x 0.5 xx 0.3 xxx 0.1
FINISH BLK. Ni PL.	NO REQ. PER UNIT 1	
G.A. No.	DRAWING No. R.G.O. W/66/023	



25 SPRING POST		
MATERIAL AISI 321	SCALE 1:1	TOLERANCES ± x 0.5 xx 0.3 xxx 0.1
FINISH CLEAN	NO REQ. PER UNIT 1	
G.A. No.	DRAWING No. R.G.O. W/66/025	



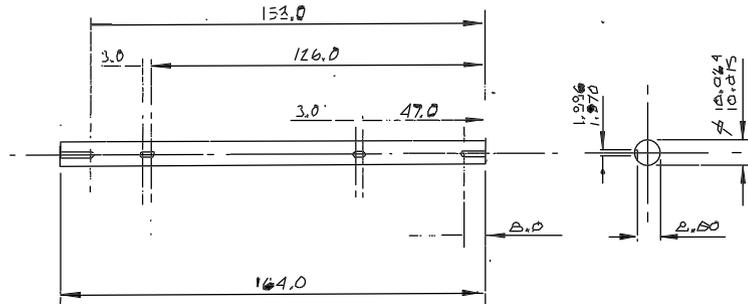
24 ARC-LOAD CRANK BEARING		
MATERIAL ALUMINIUM	SCALE 1:1	TOLERANCES ± x 0.5 xx 0.3 xxx 0.1
FINISH BLK. ANODISE	NO REQ. PER UNIT 1	
G.A. No.	DRAWING No. R.G.O. W/66/024	



26 LOCK NUT		
MATERIAL BRASS	SCALE 1:1	TOLERANCES ± x 0.5 xx 0.3 xxx 0.1
FINISH BLK. Ni PL.	NO REQ. PER UNIT 3	
G.A. No.	DRAWING No. R.G.O. W/66/026	

								Dimns in m.m.		Scale		THIRD ANGLE PROJECTION		G.A. No. V/66/000	
				Tolerances (Unless otherwise stated)				Material		ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE, HAILSHAM SUSSEX.		Title		Drawing No.	
				x ± xx ± xxx ±				Finish		Dwg. No.		No. Req.		W/66/023/026	
Issue				Date				Used on							

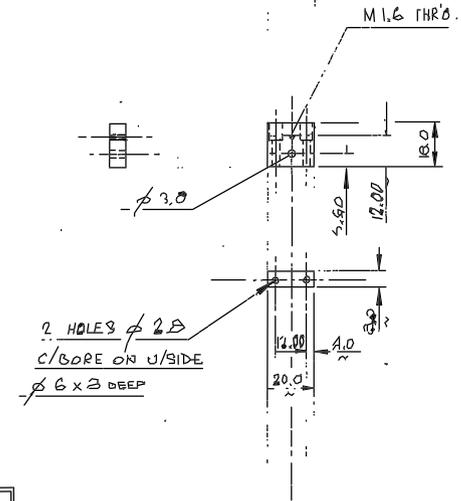
Drawing No.
V/1



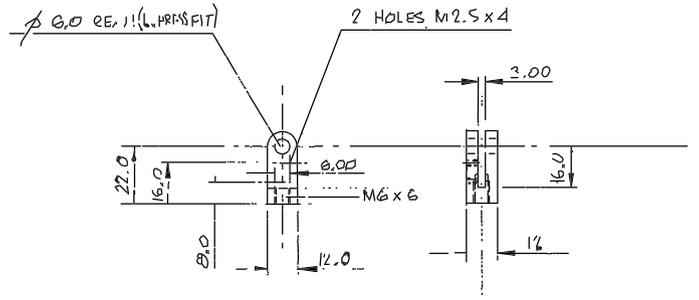
NOTE | PRODUCE 2MM SQ KEYS
TO 70IT

TITLE		
19	CLAMP SPINDLE	
MATERIAL ST. 37 321	SCALE 1:1	TOLERANCES ± x 0.5
FINISH CLEAN	NO REQ. PER UNIT 1	xx 0.3 xxx 0.1
G.A. No.	DRAWING No. R.G.O. W/GC/017	

TITLE		
21	SWITCH M76	
MATERIAL ALUMINIUM	SCALE 1:1	TOLERANCES ± x 0.5
FINISH BLK ANODISE	NO REQ. PER UNIT 2	xx 0.3 xxx 0.1
G.A. No.	DRAWING No. R.G.O. W/GC/021	

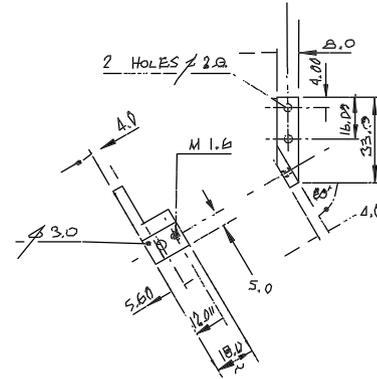


2 HOLES $\phi 2.0$
C/BORE ON U/SIDE
 $\phi 6 \times 3$ DEEP



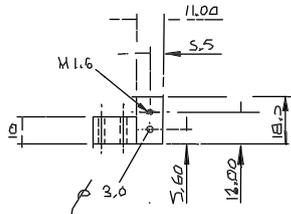
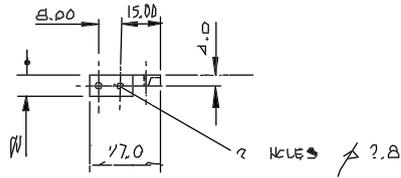
2 OFF AS DRAWN
1 OFF OPP HAND.

TITLE		
20	CLIPS	
MATERIAL BRASS	SCALE 1:1	TOLERANCES ± x 0.5
FINISH BLK. Ni. P.	NO REQ. PER UNIT 3	xx 0.3 xxx 0.1
G.A. No.	DRAWING No. R.G.O. W/GC/020	

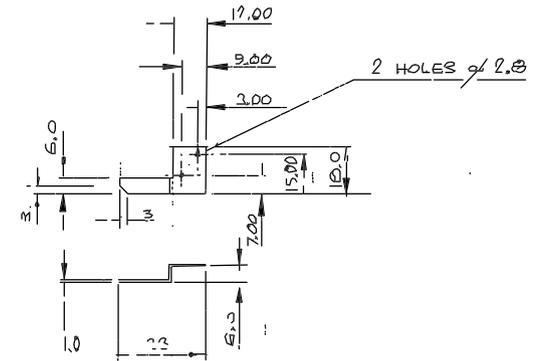


TITLE		
22	SWITCH M76	
MATERIAL ALUMINIUM	SCALE 1:1	TOLERANCES ± x 0.5
FINISH BLK ANODISE	NO REQ. PER UNIT 1	xx 0.3 xxx 0.1
G.A. No.	DRAWING No. R.G.O. W/GC/022	

Tolerances (Unless otherwise stated)								Material		Dimms in m.m.		Scale		THIRD ANGLE PROJECTION		G.A. No. V/GG/000	
Issue	Mod. No.	Date	Drawn By	Issue	Mod. No.	Date	Drawn By	Finish	Used on	Eng. No.	No. Req.	Used on	Scale	Title	Drawing No.	V/GG/019-022	

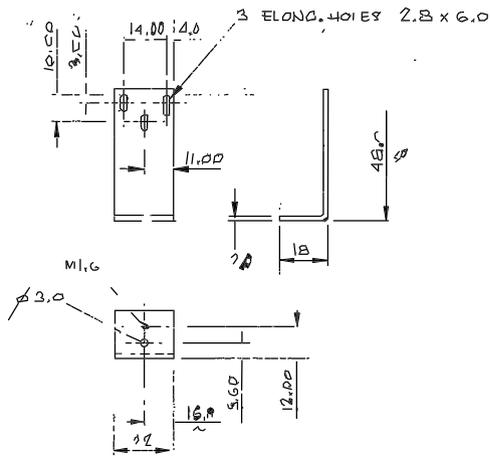


15			TITLE		
M. SWITCH BKT.					
MATERIAL	SCALE.	TOLERANCES ±			
ALUMINIUM	1:1	x 0.5			
FINISH	NO REQ. PER UNIT	xx 0.3			
BLK. ANODISE	Z OFF	xxx 0.1			
G.A. No.	DRAWING No.				
	R.G.O. W/GG/015				

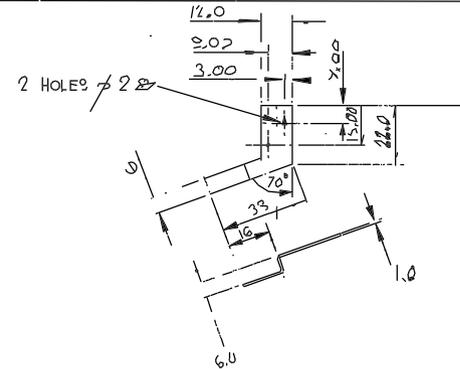


1 OFF AS DRAWN
1 OFF OP. HAND

17			TITLE		
M SWITCH FLAG					
MATERIAL	SCALE.	TOLERANCES ±			
ALUMINIUM	1:1	x 0.5			
FINISH	NO REQ. PER UNIT	xx 0.3			
BLK. ANODISE	Z OFF	xxx 0.1			
G.A. No.	DRAWING No.				
	R.G.O. W/GG/017				



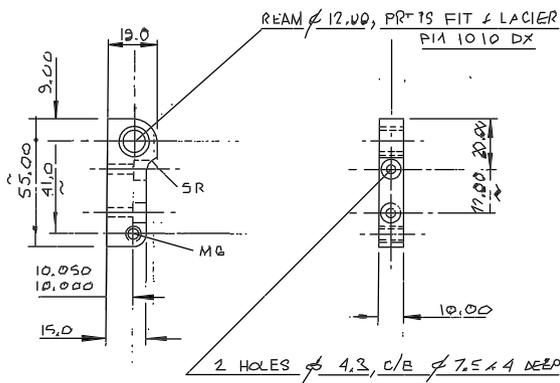
16			TITLE		
M. SWITCH BKT.					
MATERIAL	SCALE.	TOLERANCES ±			
ALUMINIUM	1:1	x 0.5			
FINISH	NO REQ. PER UNIT	xx 0.3			
BLK. ANODISE	Z OFF	xxx 0.1			
G.A. No.	DRAWING No.				
	R.G.O. W/GG/016				



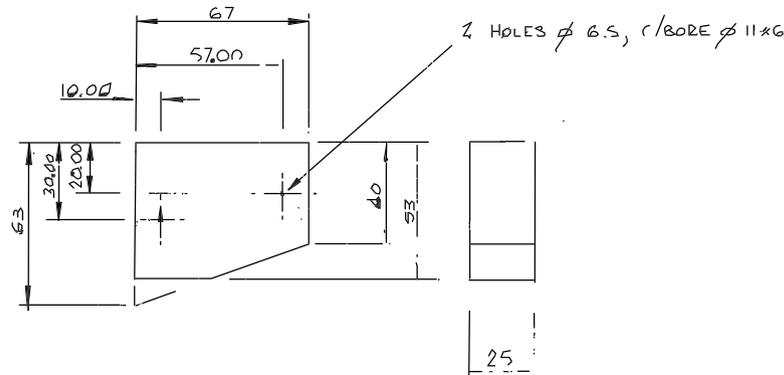
18			TITLE		
M SWITCH FLAG					
MATERIAL	SCALE.	TOLERANCES ±			
ALUMINIUM	1:1	x 0.5			
FINISH	NO REQ. PER UNIT	xx 0.3			
BLK. ANODISE	Z OFF	xxx 0.1			
G.A. No.	DRAWING No.				
	R.G.O. W/GG/018				

						Tolerances (Unless otherwise stated)		Material		Dimns in m.m.		Scale		THIRD ANGLE PROJECTION		G.A. No. V/GG/000	
						X ±		Finish		Drg. No.		No. Rev.		ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE, HAILSHAM		Drawing No.	
						XX ±		Used on						SUSSEX.		W/GG/015-018	
						XXX ±											

Drawing No.
W

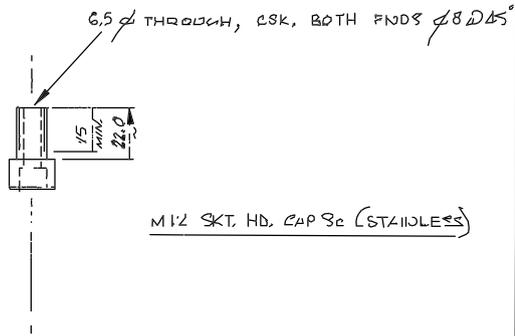


11 CLAMP & CYLINDER PINOT		
MATERIAL AL 3003 V004	SCALE 1:1	TOLERANCES \pm X 0.1 XX 0.2 XXX 0.3
FINISH BLD. ANODISE	NO REQ. PER UNIT /	XX 0.2 XXX 0.3
G.A. No.	DRAWING No. R.G.O. W/36/011	

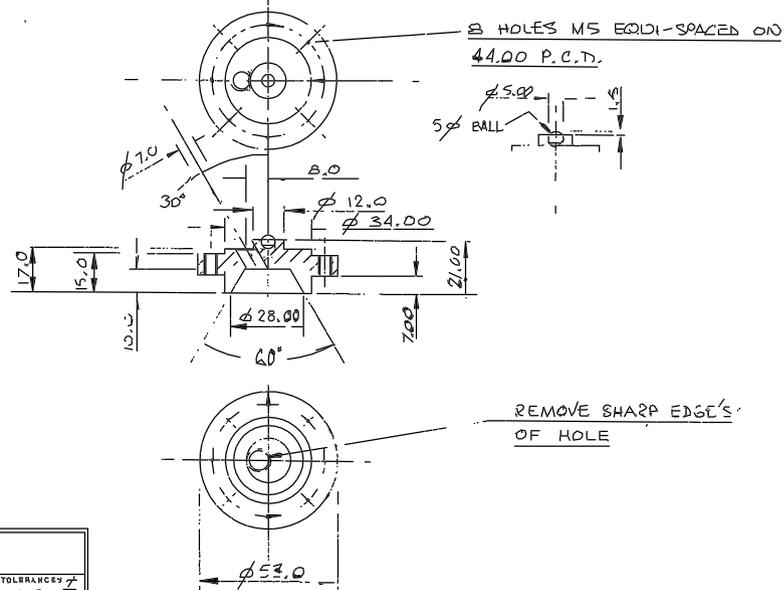


NOTE! ALL CORNERS & EDGES CAN HAVE 2R MAX.

13 C/BALANCE WEIGHT		
MATERIAL LEAD	SCALE 1:1	TOLERANCES \pm X / XX XXX 0.2
FINISH CLEAN	NO REQ. PER UNIT /	XX XXX 0.2
G.A. No.	DRAWING No. R.G.O. W/60/013	

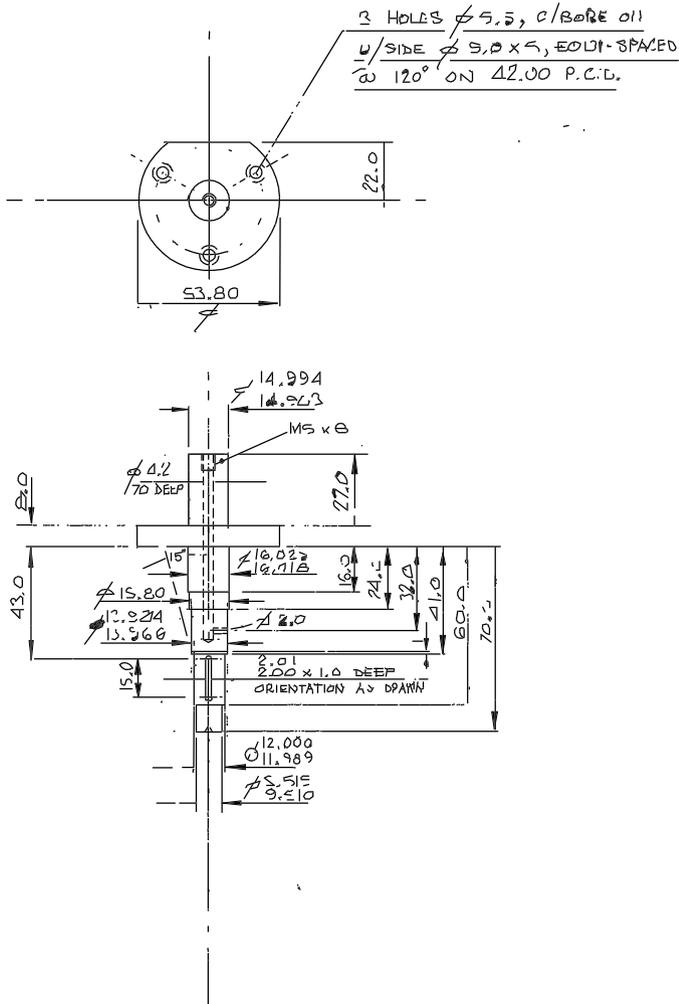


12 SCREW		
MATERIAL ST. ST.	SCALE 1:1	TOLERANCES \pm X XX 0.3 XXX
FINISH CLEAN	NO REQ. PER UNIT /	XX 0.3 XXX 0.1
G.A. No.	DRAWING No. R.G.O. W/66/012	



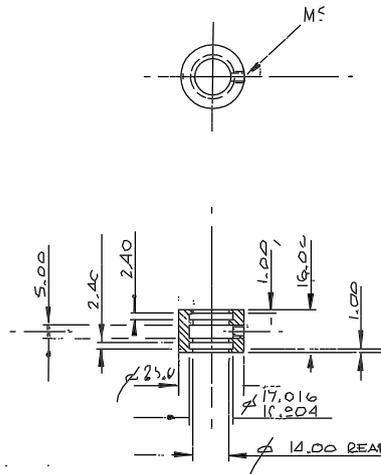
14 BEARING		
MATERIAL BRONZE	SCALE 1:1	TOLERANCES \pm X 0.5 XX 0.3 XXX 0.1
FINISH CLEAN	NO REQ. PER UNIT /	XX 0.3 XXX 0.1
G.A. No.	DRAWING No. R.G.O. W/30/014	

								Tolerances (Unless otherwise stated)		Material		Dimns in m.m.		Scale		THIRD ANGLE PROJECTION		G.A. No. W/66/000			
								X \pm XX \pm XXX \pm		Finish		Dwg No.		No. Req.		ROYAL GREENWICH OBSERVATORY, HERSTMONGELIX CASTLE, HAILSHAM SUSSEX.		Title		Drawing No. W/66/011-014	
Issue	Mod. No.	Date	Drawn By	Issue	Mod. No.	Date	Drawn By			Used on											

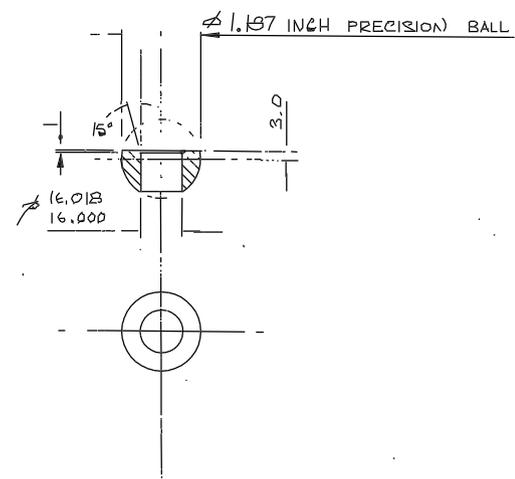


TITLE		
4	SPINDLE	
MATERIAL	SCALE	TOLERANCES ±
AISI 321	1:1	x 0.5
FINISH	NO REQ. PER UNIT	xx 0.3
CLEAN	1	xxx 0.1
S.A. No.	DRAWING No.	
R.G.O.	W/66/004	

TITLE		
5	SPINDLE PNEUMATIC COMPRESSOR	
MATERIAL	SCALE	TOLERANCES ±
BV 479	1:1	x 0.5
FINISH	NO REQ. PER UNIT	xx 0.3
CLEAN	1	xxx 0.1
S.A. No.	DRAWING No.	
R.G.O.	W/66/005	



0° RING 2 x DOWTY N° 015



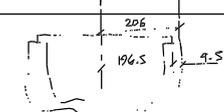
TITLE		
6	BALL	
MATERIAL	SCALE	TOLERANCES ±
ISI 316 m 30	1:1	x 0.5
FINISH	NO REQ. PER UNIT	xx 0.3
CLEAN	1	xxx 0.1
S.A. No.	DRAWING No.	
R.G.O.	W/66/006	

Tolerances (Unless otherwise stated)						Material		Dima in m.m.		Scale		THIRD ANGLE PROJECTION		S.A. No. W/66/000	
Issue	Mod. No.	Date	Drawn By	Issue	Mod. No.	Date	Drawn By	Finish	Drg. No.	No. Req.	Used on	ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE, HAILSHAM	SUSSEX.	This	Drawing No.
															W/66/000 r. 006

Drawing No.

W

374
17
21

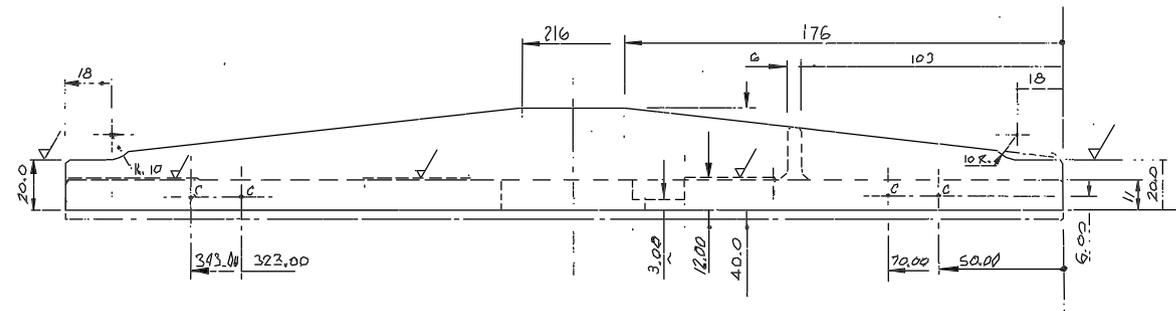
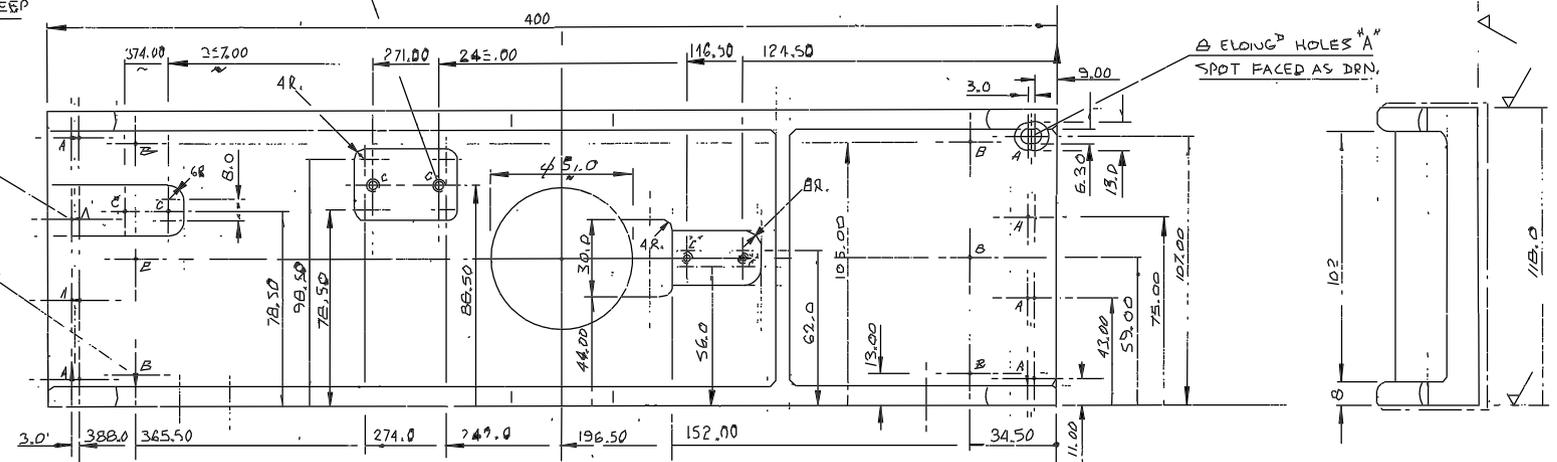


THIS HOLE TO BE ELONG C/EORED AS FOR SPOT FACE CUT 7 DEEP

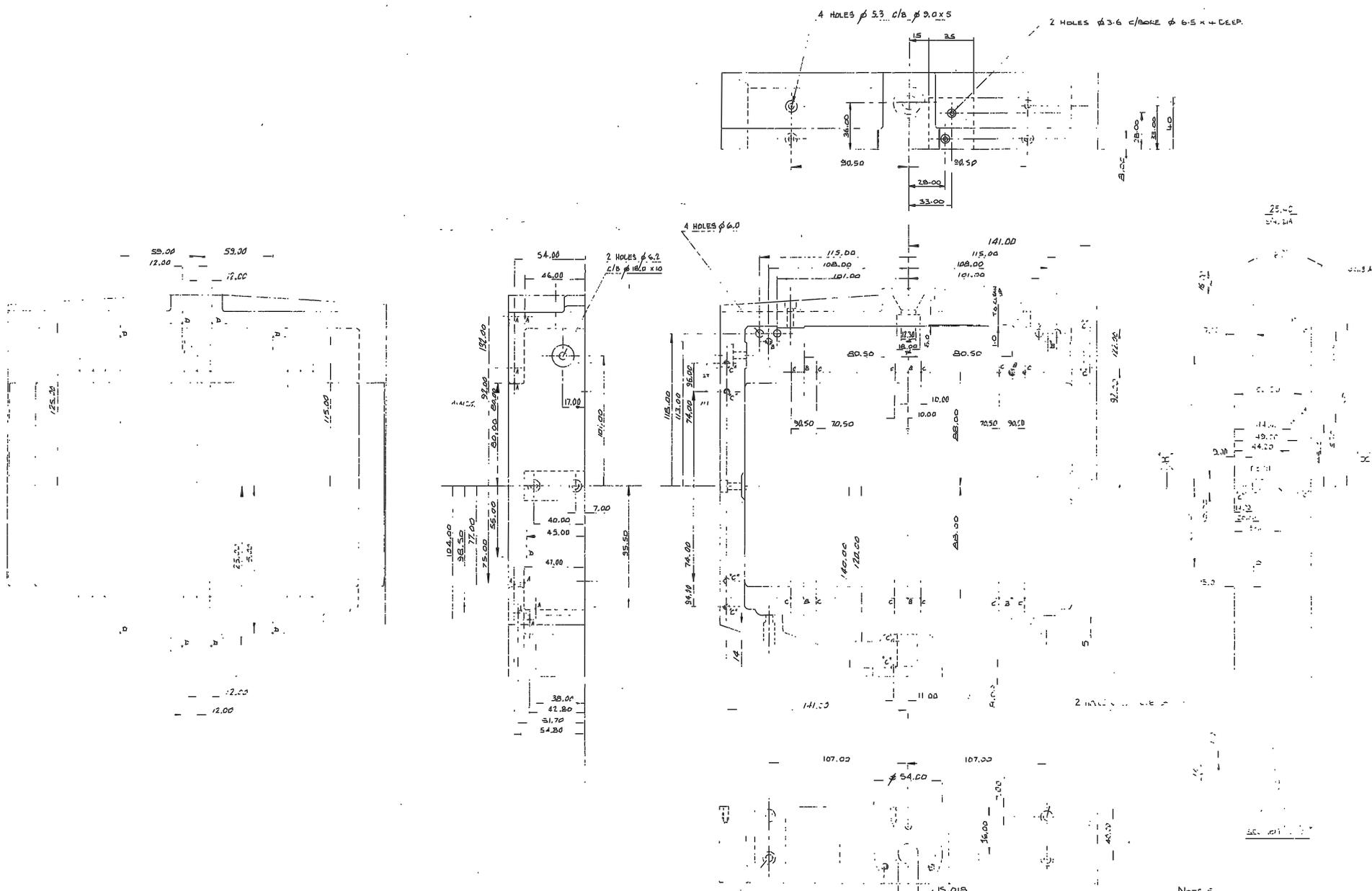
10 HOLES "C" M6 x 12

8 ELONGED HOLES "A" SPOT FACED AS DRN.

6 HOLES "B" M6 THROUGH

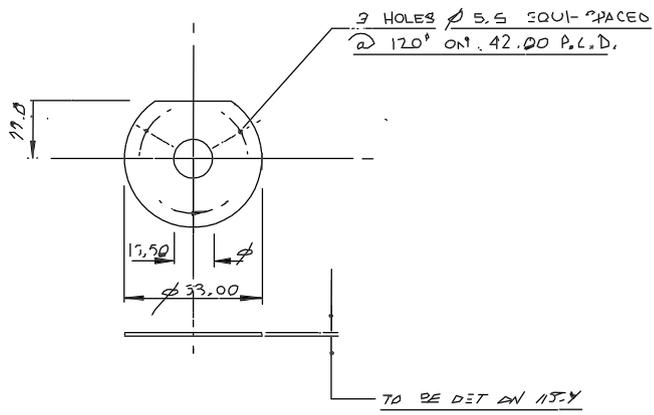


Tolerances (Unless otherwise stated) X ± 0.3 XX ± 0.3 XXX ± 0.1				Material L.M.S. Finish SHOT BLAST, BLK ANDD, SE.		Units in m.m. Scale 1:1		ROYAL GREENWICH OBSERVATORY, HERSTMONGELUX CASTLE, HAILSHAM SUSSEX.		THIRD ANGLE PROJECTION		G.A. No. W/44/000 Drawing No. W/GG/003	
Issue	Mod. No.	Date	Drawn By	Issue	Mod. No.	Date	Drawn By	Drw. No.	No. Rev.	Title CASTING HOUSING TOP PL.			
				25/3/04	C.M.E.S.T								



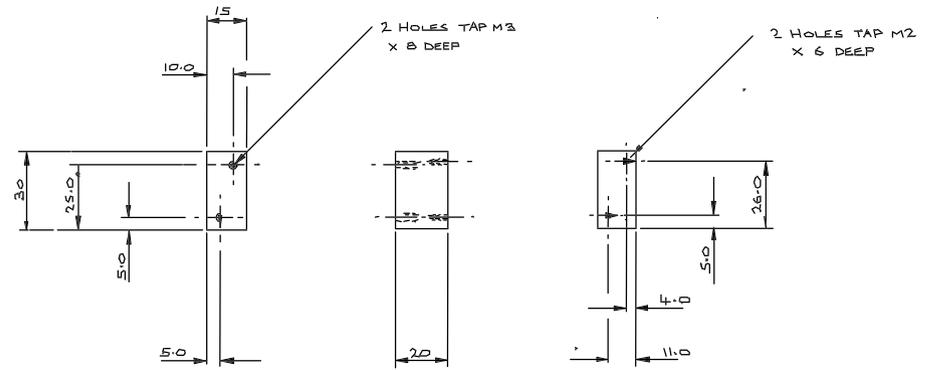
Issue	Mod. No.	Date	Drawn By	Revis	Mod. No.	Date	Drawn By	Tolerances (Limits otherwise stated)	Material	Dimms. in m.m.	Scale	THIRD ANGLE PROJECTION	Title	GA. No.	Drawing No.
				Z		22-1-87	A.T.W.	X ± 0.5 XX ± 0.3 XXX ± 0.1	Finish SHOT BLAST & BLACK ANODISE			ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE, HAILSHAM SUSSEX.	MACHINE MOUNTING YOKE DRAWING 2577		V/GG/002

Drawing No.
W/GC/077-9

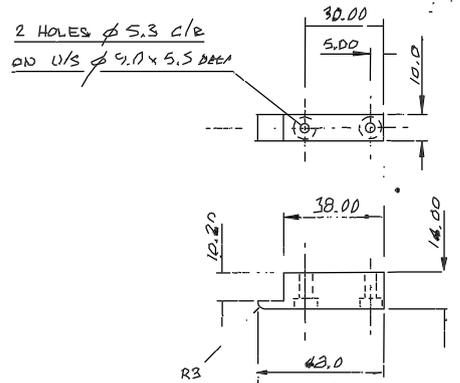


77 SHRA			
TITLE			
MATERIAL	SCALE	TOLERANCES \pm	
ALUMINIUM/100	1:1	X 0.5	
FINISH	NO REQS. PER UNIT	X X 0.3	
		X X X 0.1	
G.A. No.	DRAWING No.		
	R.G.O. W/99/077		

REMOVE ALL SHARP EDGES



79 SPACER BRACKET			
TITLE			
MATERIAL	SCALE	TOLERANCES \pm	
AL ALLOY	1:1	X 0.5	
FINISH	NO REQS. PER UNIT	X X 0.1	
EXC. ANODISE	1 OFF	X X X	
G.A. No.	DRAWING No.		
V/66/000	R.G.O. W/66/079		



78 GUIDE			
TITLE			
MATERIAL	SCALE	TOLERANCES \pm	
St. St	1:1	X 0.5	
FINISH	NO REQS. PER UNIT	X X 0.3	
CLEAN	2	X X X 0.1	
G.A. No.	DRAWING No.		
	R.G.O. W/99/078		

							Tolerances (Unless otherwise stated)		Material		Dim's in m.m.		Scale		THIRD ANGLE PROJECTION		G.A. No. V/99/000	
							X \pm			ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE, HAILSHAM				Title		Drawing No.		
							XX \pm	Finish		Drg. No.		No. Req.		4.2m ISIS - CRATING HOUSING ASS'Y		W/99/077-9		
							XXX \pm			Used on				DETAILS				
Issue	Mod. No.	Date	Drawn By	Issued	Mod. No.	Date	Drawn By											

DRAWING NUMBER	No. of Sheets	GA. Item No.	DRAWING TITLE OR COMPONENT NAME	No. of	MATERIAL STOCK OR ORDER No. AND DATE	REMARKS	ISSUE DATE	ISSUED TO	FINISH DATE
W199 1073		73	PLUNGER	1					
x x 1074		74	-LAG	1					
x x 1075		75	MAIN CNP	1					
x x 1076		76	PIVOT	1					
x x 1077		77	SPIN	1					
x x 1078		78	GUIDE	2		RED CAM ONLY			
x 1079		79	SPACER BRACKET						
x 80		80	CYLINDER KUHNKE 26 19 010	1		PURCHASED			
81		81	CLEVIS * 26 304	1		PURCHASED			
82		82	TENSION SPRING	1		SET TO 12165			
83		83	BALL 25.4mm \varnothing (1" \varnothing)	1	AISI 304				
84		84	SPRING (LEE LTL 070M 3 59)	2					
85		85	SPRING (LEE LTR 070M 3 55)	1					
86		86	CYLINDER KUHNKE 36251	3		2. PURCHASED			
87		87	BALL RACE RMB R. 4130X	2					
88		88	BALL RACE RMB P. 4130X	1					
89		89	MOTOR SLD 5IN M062	1		PURCHASED			
90		90	BALL 1.187 INCH DIA	1	AISI 304				
91		91	BALL RACE RMB RV B22X	1		PURCHASED			
92		92	ANGULAR CONTACT RMB RA 820X	2		PURCHASED			
93		93	CYLINDER KUHNKE 41100	1		PURCHASED			
94		94	VIBRATION MOUNTS 17/1405	4					
95		95	TENSION SPRINGS (LEE LE-034-B-5)	4					
96		96	COMPRESSION SPRINGS (LEE LC-035C-5)	2					
97		97	1" RING (DOWTY 2015)	2					
98		98	DISC SPRING (SPRINGMASTERS)	10		2012, ID 5.2, LEO-B			
99		99	CIRCLIP EXTERNAL, SHAFT \varnothing 6.0	7					
100		100	BUSH ER6 GLACIER \times PM 1010 DX	6					
101		101	COUPLING HELICAL 4005-E-B	1		PURCHASED			
102		102	ENCODER FERRANTI 25HA	1		PURCHASED			
103		103	RGO STATUS ENCODER - BAR CODE	1					

JOB TITLE *GRATING HOUSING*

ASSY ORG. No.
V1661000

SHEET No.
3 of 3

DRAWN BY *G WEST*
DATE *6/85*

ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE, HAILSHAM, SUSSEX

DRAWING NUMBER	No. of Sheets	GA. Item No.	DRAWING TITLE OR COMPONENT NAME	1106Z	MATERIAL STOCK OR ORDER No. AND DATE	REMARKS	ISSUE DATE	ISSUED TO	FINISH DATE
W/06/037	1	37	DALL	1					
* * 038	1	38	LOCATION PAL	3					
* * 039	1	39	SPRING ANCHOR	1 SET					
* * 040	1	40	HIVOT BLOCK	1					
* * 041	1	41	LEVER	1 SET					
* * 042	1	42	CLAMP SPINDLE	2					
* * 043	1	43	CLAMP VANE	1					
* * 044	1	44	VANE RETAINER	1					
* * 045	1	45	BEARING BLOCK	1					
* * 046	1	46	BEARING BLOCK	1					
* * 047	1	47	WORM WHEEL	1					
* * 048	1	48	WORM	1					
* * 049	1	49	INITIAL STAGE WORM WHEEL M/G.	1					
* * 050	1	50	PILLAR	3					
* * 051	1	51	SWITCH MTG PL.	2					
* * 052	1	52	SPACE	3					
* * 053	1	53	DIAPHRAGM	1					
* * 054	1	54	CLAMP	3					
* * 055	1	55	HIVOT BLOCK	PAIR					
* * 056	1	56	CLAMP HIVOT	1					
* * 057	1	57	" "	1					
* * 058	1	58	PLATE	2 PAIR					
* * 059	1	59	HIVOT	1					
* * 060	1	60	LEVER	1					
* * 061	1	61	CRANK	1					
* * 062	1	62	ENCODER MTG PL.	1					
* * 063	1	63	ENCODER FLANGE	1					
* * 064	1	64	ENCODER CLAMP	3					
* * 065	1	65	WORM MTG PL.	1					
* * 066	1	66	CLAMP BODY	1					
* * 067	1	67	CYLINDER BKT	1					
* * 068	1	68	SPRING CAP	1					
* * 069	1	69	TOP PL. ADJUSTER	2					
* * 070	1	70	PRE-LOAD SC	1					
* * 071	1	71	GRATING CELL LOCATION SC	3					
* * 072	1	72	CLAMP SC	3					

JOB TITLE (S.S.):

GRATING HOUSING

ASSY DRG. No.
V1991000

SHEET No.
2 of 3

DRAWN BY C WEST
DATE 6/26

ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE, HAILSHAM, SUSSEX

DRAWING NUMBER	No. of Sheets	GA. Item No.	DRAWING TITLE OR COMPONENT NAME	No. of	MATERIAL STOCK OR ORDER No. AND DATE	REMARKS	ISSUE DATE	ISSUED TO	FINISH DATE
V/GG/301	2	1	CRATING HOUSING CASTING	1					
" " " 002	2	2	" " YOKE	1					
W " " 003	1	3	" " TOP PL.	1					
" " " 004	1	4	SPINDLE	1					
" " " 005	1	5	" PNEUMATIC CONNECTOR	1					
" " " 006	1	6	BALL	1					
" " " 007	1	7	BEARING	1					
" " " 008	1	8	PRESSURE PL.	1					
" " " 009	1	9	BLOCK	2					
" " " 010	1	10	CLAMP ARM	1					
" " " 011	1	11	CLAMP & CYLINDER PIVOT	1					
" " " 012	1	12	SCREW	1					
" " " 013	1	13	W/BALANCE WT	4					
" " " 014	1	14	BEARINGS	1					
" " " 015	1	15	ON SWITCH BKT	2					
" " " 016	1	16	" " "	1					
" " " 017	1	17	" " FLAG	PAIR					
" " " 018	1	18	" " "	1					
" " " 019	1	19	CLAMP SPINDLE	1					
" " " 020	1	20	CLEVIS	3					
" " " 021	1	21	SWITCH MTO	2					
" " " 022	1	22	" " "	1					
" " " 023	1	23	CRANK ARM	1					
" " " 024	1	24	CRANK BEARING	1					
" " " 025	1	25	SPRING POST	1					
" " " 026	1	26	LOCK NUT	3					
" " " 027	1	27	ROLLER SPINDLE	2					
" " " 028	1	28	" COVER	1					
" " " 029	1	29	CYLINDER PIVOT BKT.	1					
" " " 030	1	30	" " "	1					
" " " 031	1	31	BELL CRANK ROLLER	2					
" " " 032	1	32	SPRING RETAINER	4					
" " " 033	1	33	STOP SK.	2					
" " " 034	1	34	SIDE ROLLER	1					
" " " 035	1	35	CYLINDER PIVOT	3					
" " " 036	1	36	CATCH	3					

JOB TITLE *i.s.i.s.* **GRATING HOUSING** ASSY DRG. No. *V/GG/000* SHEET No. *1 of 3* DRAWN BY *C WEST*
 ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX CASTLE, HAILSHAM, SUSSEX DATE *6/86*