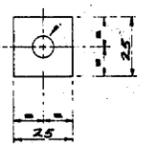






8 off

1-HOLE DRILL 9 DIA.



2.0 mm

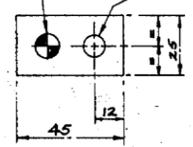
D.O. REF. :- NOMINAL THICKNESS

FINAL THICKNESS TO BE DETERMINED ON ASSY. INDIVIDUAL SHIMS MAY VARY IN THICKNESS TO ALIGN ENCODER ASSEMBLIES

APPROVED  
No. TCI 146 05 Rev. A  
Date 21-1-1983

4 off

1-HOLE DRILL & REAM 10 NOM. DIA. WHEN FINALLY DOWELLING ASSEMBLY ON SITE



2.0 mm

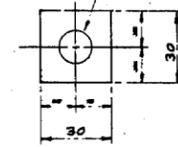
D.O. REF. :- NOMINAL THICKNESS

FINAL THICKNESS TO BE DETERMINED ON ASSY. INDIVIDUAL SHIMS MAY VARY IN THICKNESS TO ALIGN ENCODER ASSEMBLIES

APPROVED  
No. TCI 146 06 Rev. A  
Date 21-1-1983

8 off

1-HOLE DRILL 14 DIA.



3mm  
1/8 inch

D.O. REF. :- NOMINAL THICKNESS

FINAL THICKNESS TO BE DETERMINED ON ASSY. INDIVIDUAL SHIMS MAY VARY IN THICKNESS TO ALIGN ENCODER ASSEMBLY

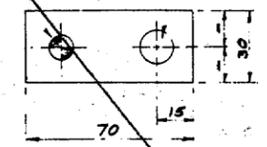
APPROVED  
No. TCI 146 07 Rev. A  
Date 21-1-1983

SET

2 off

1-HOLE DRILL & REAM 10 NOM DIA. WHEN FINALLY DOWELLING ASSEMBLY ON SITE

1-HOLE DRILL 14 DIA.



D.O. REF. :- NOMINAL THICKNESS

FINAL THICKNESS TO BE DETERMINED ON ASSY. INDIVIDUAL SHIMS MAY VARY IN THICKNESS TO ALIGN ENCODER ASSEMBLY

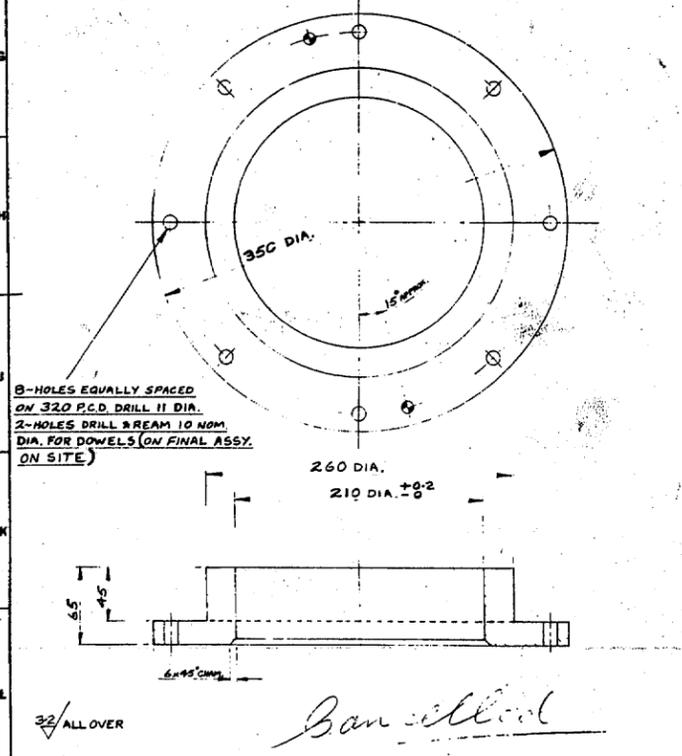
APPROVED  
No. TCI 146 08 Rev. A  
Date 21-1-1983

DATE OF MOD. RECEIVED BY	DATE OF MOD. RECEIVED BY	FIRST MADE ORD No.	118764	MATERIAL	STEEL S.S. 4340-80C	DATE OF MOD. RECEIVED BY	DATE OF MOD. RECEIVED BY	FIRST MADE ORD No.	118764	MATERIAL	STEEL S.S. 4340-80C
		FIRST ISSUE DATE		FINISH	POLY BORE GRIND (2.50 TO 21.500)			FIRST ISSUE DATE		FINISH	POLY BORE GRIND (2.50 TO 21.500)
		COST ACCOUNT	146	PART No.				COST ACCOUNT	146	PART No.	
TITLE SHIM											
WEIGHT 0.022 lb											
SCALE 1:1											
UNIT No. TCI 146 05											
No. OFF PER SET 8											

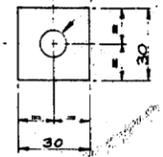
DATE OF MOD. RECEIVED BY	DATE OF MOD. RECEIVED BY	FIRST MADE ORD No.	118764	MATERIAL	STEEL S.S. 4340-80C	DATE OF MOD. RECEIVED BY	DATE OF MOD. RECEIVED BY	FIRST MADE ORD No.	118764	MATERIAL	STEEL S.S. 4340-80C
		FIRST ISSUE DATE		FINISH	POLY BORE GRIND (2.50 TO 21.500)			FIRST ISSUE DATE		FINISH	POLY BORE GRIND (2.50 TO 21.500)
		COST ACCOUNT	146	PART No.				COST ACCOUNT	146	PART No.	
TITLE SHIM											
WEIGHT 0.039 lb											
SCALE 1:1											
UNIT No. TCI 146 06											
No. OFF PER SET 4											

DATE OF MOD. RECEIVED BY	DATE OF MOD. RECEIVED BY	FIRST MADE ORD No.	118764	MATERIAL	STEEL S.S. 4340-80C	DATE OF MOD. RECEIVED BY	DATE OF MOD. RECEIVED BY	FIRST MADE ORD No.	118764	MATERIAL	STEEL S.S. 4340-80C
		FIRST ISSUE DATE		FINISH	POLY BORE GRIND (2.50 TO 21.500)			FIRST ISSUE DATE		FINISH	POLY BORE GRIND (2.50 TO 21.500)
		COST ACCOUNT	146	PART No.				COST ACCOUNT	146	PART No.	
TITLE SHIM											
WEIGHT 0.053 lb											
SCALE 1:1											
UNIT No. TCI 146 07											
No. OFF PER SET 8											

DATE OF MOD. RECEIVED BY	DATE OF MOD. RECEIVED BY	FIRST MADE ORD No.	118764	MATERIAL	STEEL S.S. 4340-80C	DATE OF MOD. RECEIVED BY	DATE OF MOD. RECEIVED BY	FIRST MADE ORD No.	118764	MATERIAL	STEEL S.S. 4340-80C
		FIRST ISSUE DATE		FINISH	POLY BORE GRIND (2.50 TO 21.500)			FIRST ISSUE DATE		FINISH	POLY BORE GRIND (2.50 TO 21.500)
		COST ACCOUNT	146	PART No.				COST ACCOUNT	146	PART No.	
TITLE SHIM											
WEIGHT 0.071 lb											
SCALE 1:1											
UNIT No. TCI 146 08											
No. OFF PER SET 2											



1-HOLE DRILL 11 DIA.



D.O. REF. :- NOMINAL THICKNESS 5mm

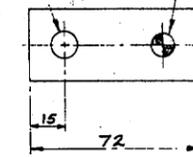
FINAL THICKNESS TO BE DETERMINED ON ASSY. INDIVIDUAL SHIMS MAY VARY IN THICKNESS TO ALIGN GEARBOX ASSEMBLIES

Cancelled

DATE OF MOD. RECEIVED BY	DATE OF MOD. RECEIVED BY	FIRST MADE ORD No.	118764	MATERIAL	STEEL S.S. 4340-80C	DATE OF MOD. RECEIVED BY	DATE OF MOD. RECEIVED BY	FIRST MADE ORD No.	118764	MATERIAL	STEEL S.S. 4340-80C
		FIRST ISSUE DATE		FINISH	POLY BORE GRIND (2.50 TO 21.500)			FIRST ISSUE DATE		FINISH	POLY BORE GRIND (2.50 TO 21.500)
		COST ACCOUNT	146	PART No.				COST ACCOUNT	146	PART No.	
TITLE FLANGED BUSH											
WEIGHT 16.04 lb											
SCALE 1:2											
UNIT No. TCI 146 09											
No. OFF PER SET 2											

DATE OF MOD. RECEIVED BY	DATE OF MOD. RECEIVED BY	FIRST MADE ORD No.	118764	MATERIAL	STEEL S.S. 4340-80C	DATE OF MOD. RECEIVED BY	DATE OF MOD. RECEIVED BY	FIRST MADE ORD No.	118764	MATERIAL	STEEL S.S. 4340-80C
		FIRST ISSUE DATE		FINISH	POLY BORE GRIND (2.50 TO 21.500)			FIRST ISSUE DATE		FINISH	POLY BORE GRIND (2.50 TO 21.500)
		COST ACCOUNT	146	PART No.				COST ACCOUNT	146	PART No.	
TITLE SHIM											
WEIGHT 0.051 lb											
SCALE 1:1											
UNIT No. TCI 146 10											
No. OFF PER SET 12											

1-HOLE DRILL 11 DIA. 1-HOLE DRILL & REAM 10 NOM. DIA. WHEN FINALLY DOWELLING ASSEMBLY ON SITE



D.O. REF. :- NOMINAL THICKNESS 5mm

FINAL THICKNESS TO BE DETERMINED ON ASSY. INDIVIDUAL SHIMS MAY VARY IN THICKNESS TO ALIGN GEARBOX ASSEMBLIES

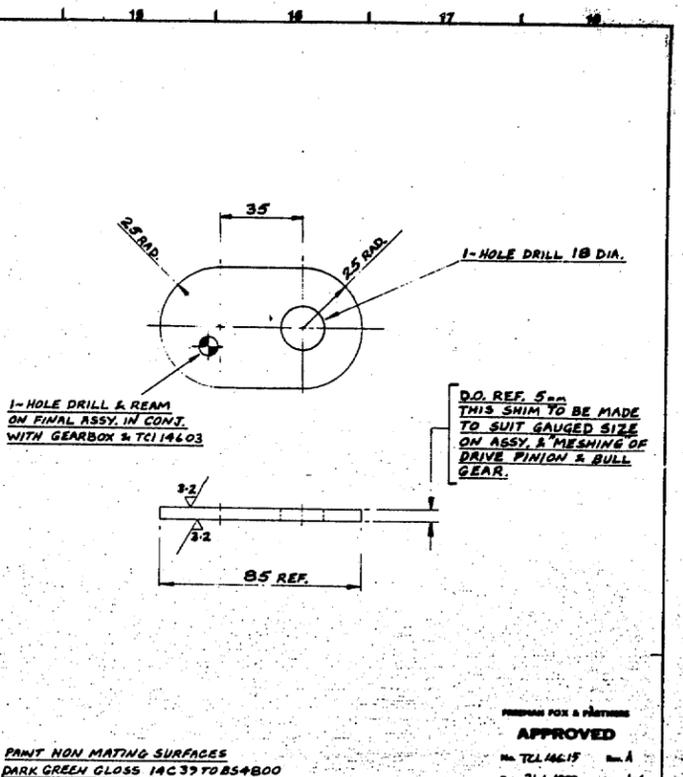
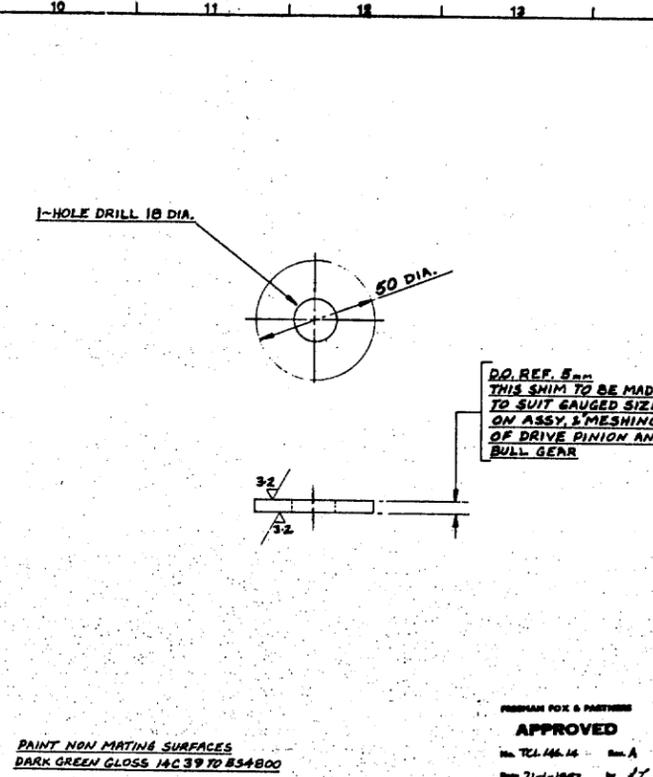
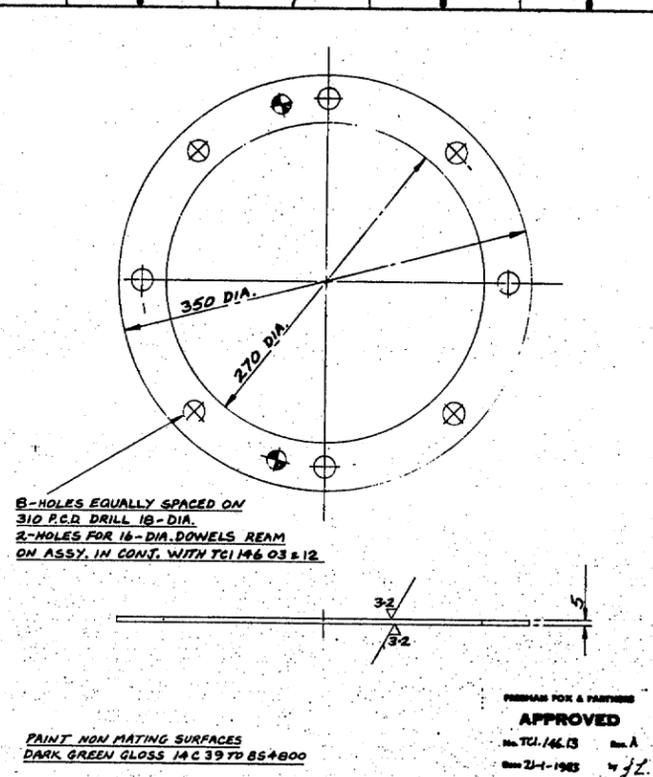
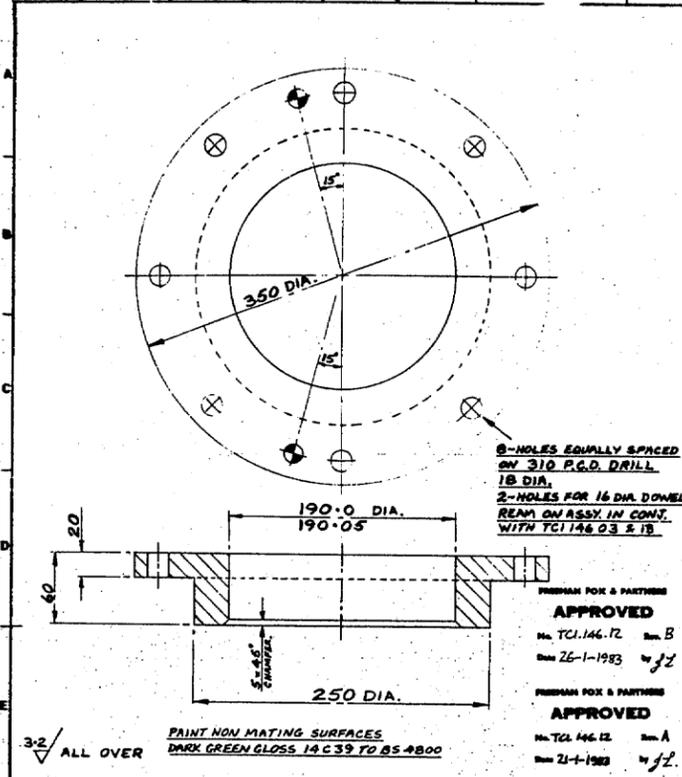
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DATE OF MOD. RECEIVED BY	DATE OF MOD. RECEIVED BY	FIRST MADE ORD No.	118764	MATERIAL	STEEL S.S. 4340-80C	DATE OF MOD. RECEIVED BY	DATE OF MOD. RECEIVED BY	FIRST MADE ORD No.	118764	MATERIAL	STEEL S.S. 4340-80C
		FIRST ISSUE DATE		FINISH	POLY BORE GRIND (2.50 TO 21.500)			FIRST ISSUE DATE		FINISH	POLY BORE GRIND (2.50 TO 21.500)
		COST ACCOUNT	146	PART No.				COST ACCOUNT	146	PART No.	
TITLE SHIM											
WEIGHT 0.078 lb											
SCALE 1:1											
UNIT No. TCI 146 11											
No. OFF PER SET 4											

See with main 12 13 14 15 & 16

AS BUILT DRAWINGS  
This drawing shows all variations to this work

4-2 METRE WILLIAM HERSCHEL TELESCOPE  
OBSERVATORIO DEL MONTE DE LOS PINONES  
LA PALMA  
ROYAL GREENWICH OBSERVATORY

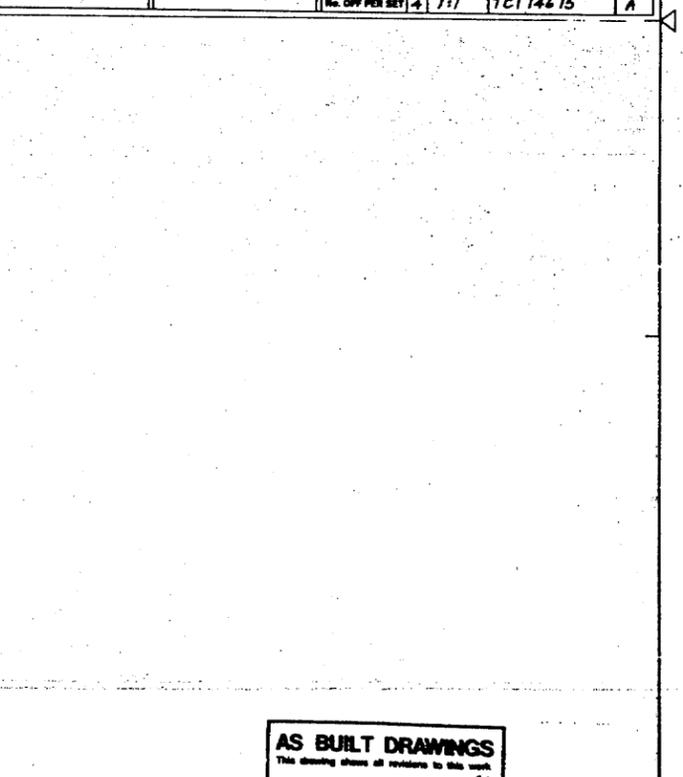
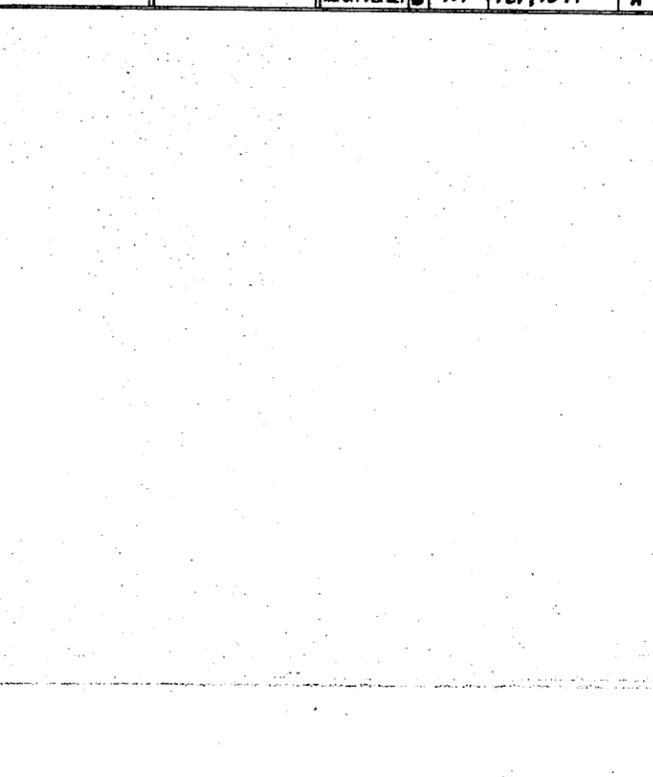
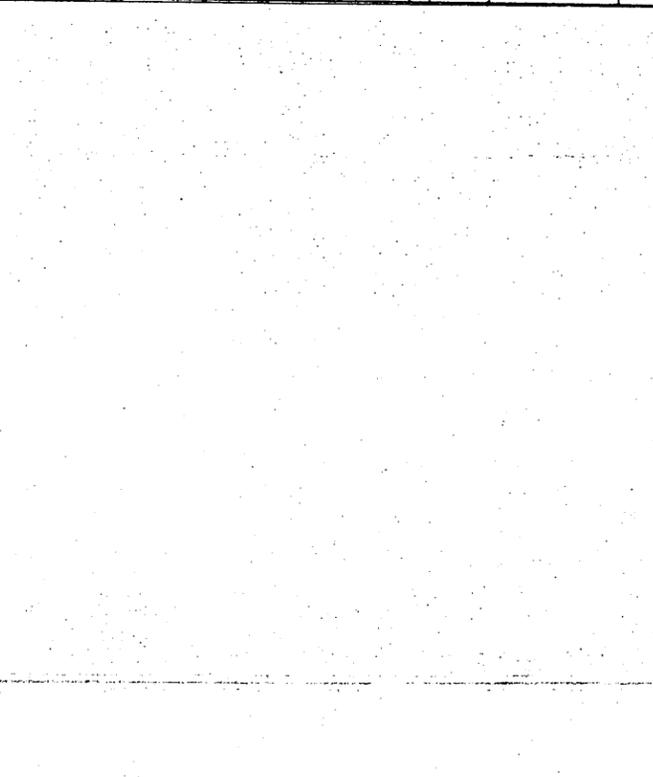
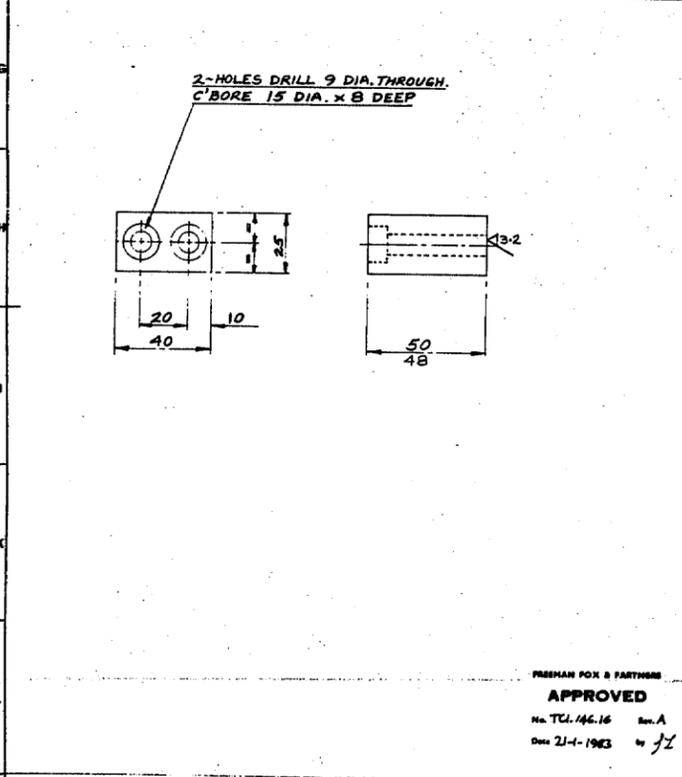


DATE OF MOD. MODIFIED BY	DATE OF MOD. MODIFIED BY	FIRST MADE ORD. No. 118764	MATERIAL	STEEL S45C EN3
		FIRST ISSUE DATE	FINISH	SEE NOTE
		COST ACCOUNT 146	PATT. No.	
TITLE RINGFEDER MOUNT				
WEIGHT 18.6 kg		SCALE 1:2	UNIT No. TC146 12	ISSUE B
No. OFF PER SET 2				

DATE OF MOD. MODIFIED BY	DATE OF MOD. MODIFIED BY	FIRST MADE ORD. No. 118764	MATERIAL	STEEL S45C EN3
		FIRST ISSUE DATE	FINISH	SEE NOTE
		COST ACCOUNT 146	PATT. No.	
TITLE SHIM				
WEIGHT 1.5 kg		SCALE 1:2	UNIT No. TC146 13	ISSUE A
No. OFF PER SET 2				

DATE OF MOD. MODIFIED BY	DATE OF MOD. MODIFIED BY	FIRST MADE ORD. No. 118764	MATERIAL	STEEL S45C EN3
		FIRST ISSUE DATE	FINISH	SEE NOTE
		COST ACCOUNT 146	PATT. No.	
TITLE SHIM				
WEIGHT 0.7 kg		SCALE 1:1	UNIT No. TC146 14	ISSUE A
No. OFF PER SET 2				

DATE OF MOD. MODIFIED BY	DATE OF MOD. MODIFIED BY	FIRST MADE ORD. No. 118764	MATERIAL	STEEL S45C EN3
		FIRST ISSUE DATE	FINISH	SEE NOTE
		COST ACCOUNT 146	PATT. No.	
TITLE SHIM				
WEIGHT 1.4 kg		SCALE 1:1	UNIT No. TC146 15	ISSUE A
No. OFF PER SET 4				

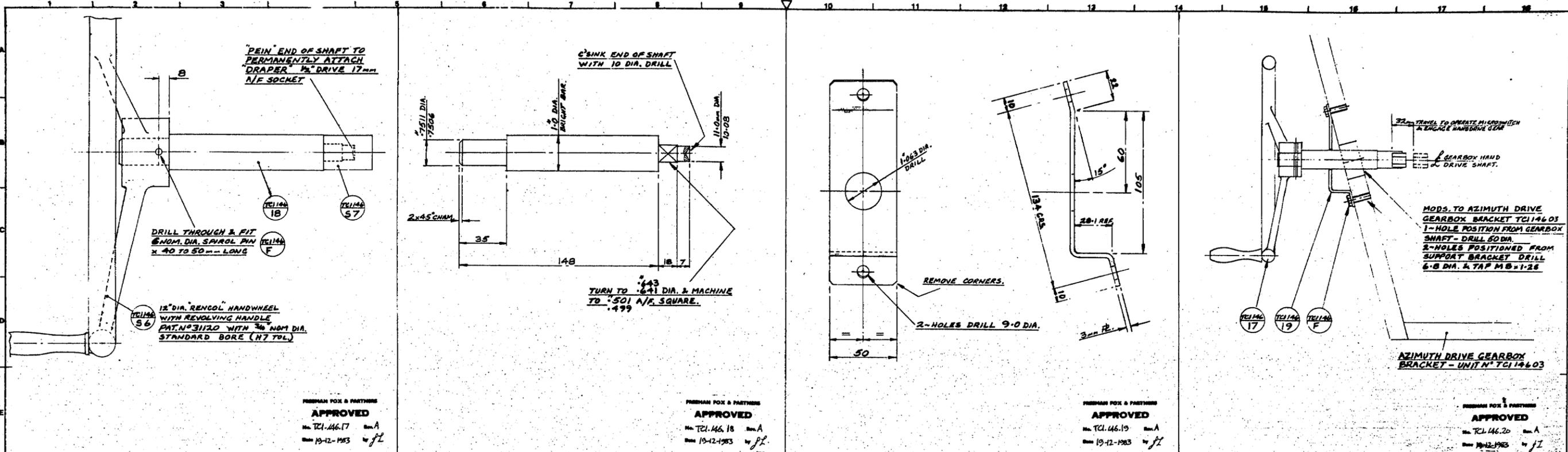


DATE OF MOD. MODIFIED BY	DATE OF MOD. MODIFIED BY	FIRST MADE ORD. No. 118764	MATERIAL	STEEL S45C EN3
		FIRST ISSUE DATE	FINISH	SEE NOTE
		COST ACCOUNT 146	PATT. No.	
TITLE THRUST BLOCK				
WEIGHT 3.9 kg		SCALE 1:1	UNIT No. TC146 16	ISSUE A
No. OFF PER SET 2				

DATE OF MOD. MODIFIED BY	DATE OF MOD. MODIFIED BY	FIRST MADE ORD. No. 118764	MATERIAL	STEEL S45C EN3
		FIRST ISSUE DATE	FINISH	SEE NOTE
		COST ACCOUNT 146	PATT. No.	
TITLE THRUST BLOCK				
WEIGHT 3.9 kg		SCALE 1:1	UNIT No. TC146 16	ISSUE A
No. OFF PER SET 2				

DATE OF MOD. MODIFIED BY	DATE OF MOD. MODIFIED BY	FIRST MADE ORD. No. 118764	MATERIAL	STEEL S45C EN3
		FIRST ISSUE DATE	FINISH	SEE NOTE
		COST ACCOUNT 146	PATT. No.	
TITLE THRUST BLOCK				
WEIGHT 3.9 kg		SCALE 1:1	UNIT No. TC146 16	ISSUE A
No. OFF PER SET 2				

DATE OF MOD. MODIFIED BY	DATE OF MOD. MODIFIED BY	FIRST MADE ORD. No. 118764	MATERIAL	STEEL S45C EN3
		FIRST ISSUE DATE	FINISH	SEE NOTE
		COST ACCOUNT 146	PATT. No.	
TITLE THRUST BLOCK				
WEIGHT 3.9 kg		SCALE 1:1	UNIT No. TC146 16	ISSUE A
No. OFF PER SET 2				



PREPARED BY FOX & PARTNERS  
**APPROVED**  
 No. TCI 146 17 Rev. A  
 Date 19-12-1983 by *fl*

PREPARED BY FOX & PARTNERS  
**APPROVED**  
 No. TCI 146 18 Rev. A  
 Date 19-12-1983 by *fl*

PREPARED BY FOX & PARTNERS  
**APPROVED**  
 No. TCI 146 19 Rev. A  
 Date 19-12-1983 by *fl*

PREPARED BY FOX & PARTNERS  
**APPROVED**  
 No. TCI 146 20 Rev. A  
 Date 19-12-1983 by *fl*

DATE OF ISSUE DRAWN BY CHECKED BY DATE OF MOD. MODIFIED BY TITLE SUB-ASSY OF HAND CRANK WEIGHT No. OFF PER SET 2 SCALE 1:1 UNIT No. TCI 146 17 ISSUE A	DATE OF ISSUE DRAWN BY CHECKED BY DATE OF MOD. MODIFIED BY TITLE SHAFT WEIGHT No. OFF PER SET 2 SCALE 1:1 UNIT No. TCI 146 18 ISSUE A	DATE OF ISSUE DRAWN BY CHECKED BY DATE OF MOD. MODIFIED BY TITLE SUPPORT BRACKET WEIGHT No. OFF PER SET 2 SCALE 1:1 UNIT No. TCI 146 19 ISSUE A	DATE OF ISSUE DRAWN BY CHECKED BY DATE OF MOD. MODIFIED BY TITLE FITTING OF HAND DRIVE CRANK WEIGHT No. OFF PER SET 1 SCALE 1:2 UNIT No. TCI 146 20 ISSUE A
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**AS BUILT DRAWINGS**  
 This drawing shows all variations to this work.  
 14

