

THIS DRAWING MAY ONLY BE USED FOR THE MANUFACTURE OF ARTICLES TO BE SUPPLIED

AIR MINISTRY A.G.S. No 941

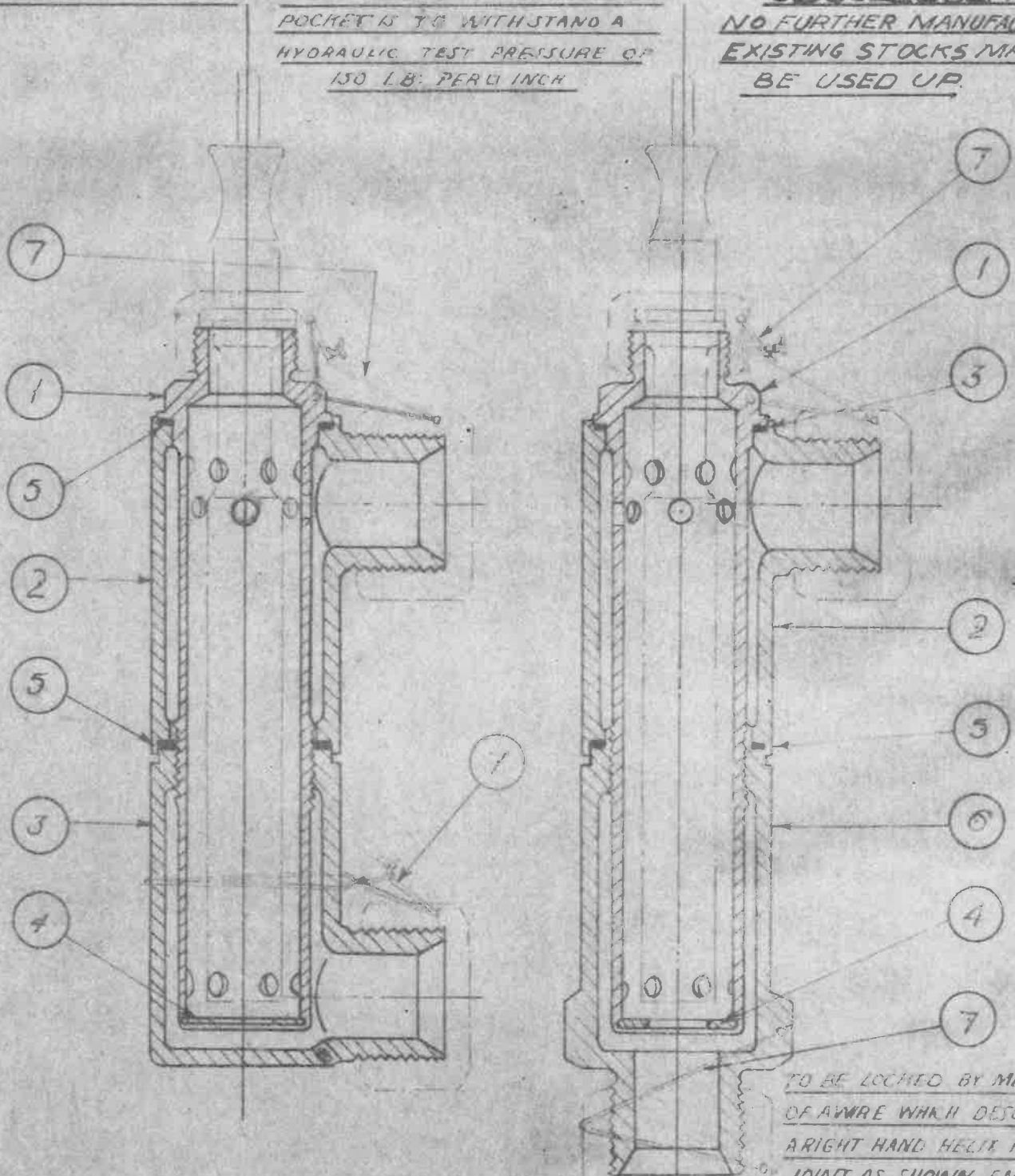
SHEET No 1

No. of SHEETS 5

TO THE AIR MINISTRY.

TEST PRESSURE - THE COMPLETE POCKET IS TO WITHSTAND A HYDRAULIC TEST PRESSURE OF 150 LB. PER SQ. INCH

**OBSOLESCE**  
**NO FURTHER MANUFACTURE**  
**EXISTING STOCKS MAY**  
**BE USED UP.**



UNIVERSAL TYPE  
AGS 941/A

ELBOW TYPE  
AGS 941/B

TO BE LOCKED BY MEANS OF AWIRE WHICH DESCRIBES A RIGHT HAND HELIX ROUND JOINT AS SHOWN. ENDS OF WIRE TO BE BENT OVER

PART NO	AGS NO	DESCRIPTION	NO OFF	REMARKS
1	941/1	SLEEVE	1	
2	941/2	BODY CASTING	1	
4	941/4	END PLUG	1	
5	ND	FIBRE WASHER	2	1/15" 9/16 x .96" 1/16 x 1/32"
7	ND	LOCKING WIRE	AS REQ	SEE AGS NO 769
5	941/B	BODY CASTING	1	FOR ASSEMBLY 'A'
6	941/C	UNION BODY (ALTERNATIVE)	1	FOR ASSEMBLY 'B'

ISSUED BY DRAWING OFFICE DIRECTORATE OF TECHNICAL DEVELOPMENT AIR MINISTRY	TITLE— OIL THERMOMETER POCKET 1/8" BS PIPE				RETRACED FOR A.P.C.	DRAWN L. HALL	TRACED J. HALL
	ISSUE NO.	1	2	3	4	CHECKED FOS	APPROVED
	ALTERATION	AGS 1/7	AGS 1/8	AGS 1/9	AGS 1/10	DATE	DATE

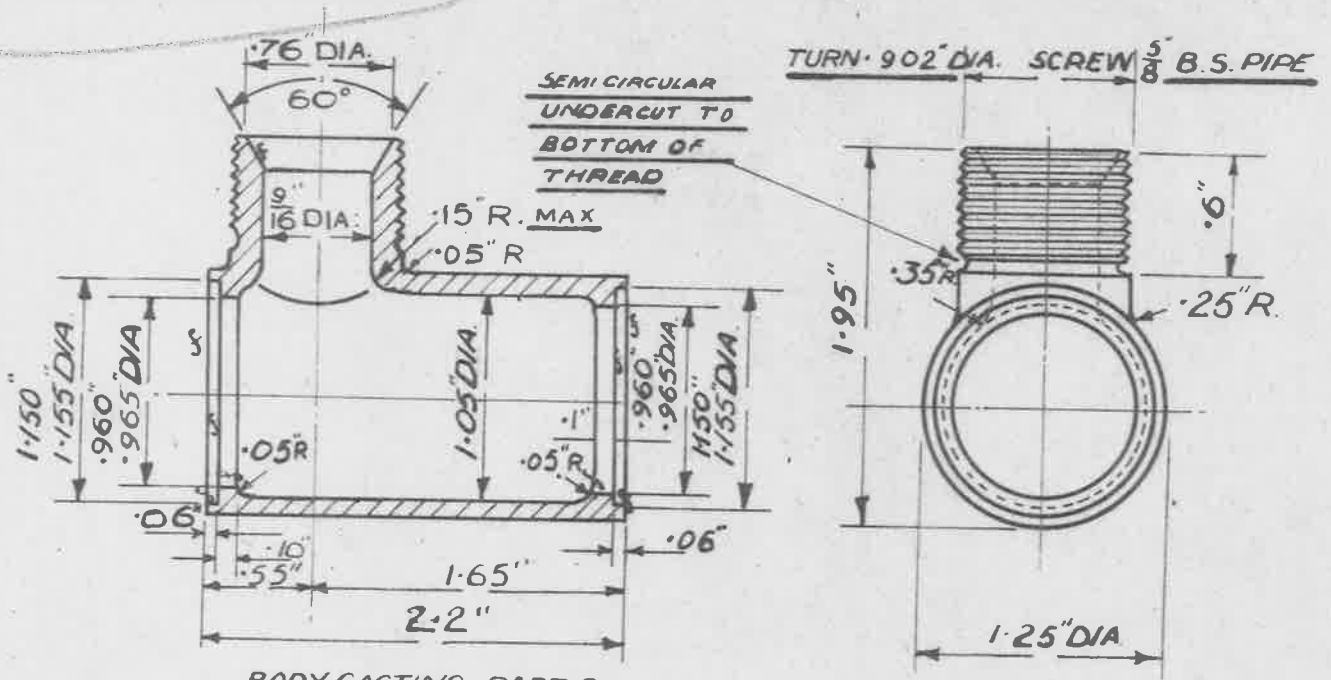
13.5.36 5/1608/36

SCREW THREADS TO BE IN ACCORDANCE WITH B.S. SPEC: 84-1940 FOR B.S.P. MEDIUM FIT.

MINISTRY OF SUPPLY AGS. N° 941

SHEET N° 2 N° OF SHEETS

OBSOLESCE



BODY CASTING PART 2

MATERIAL:- ALUMINIUM.  
SPEC: N° L5, L33 OR D.T. D424  
(LATEST ISSUES)

CLASS 3 CASTING.  
SEE ORG. N° AD 15528-3  
(LATEST ISSUE)

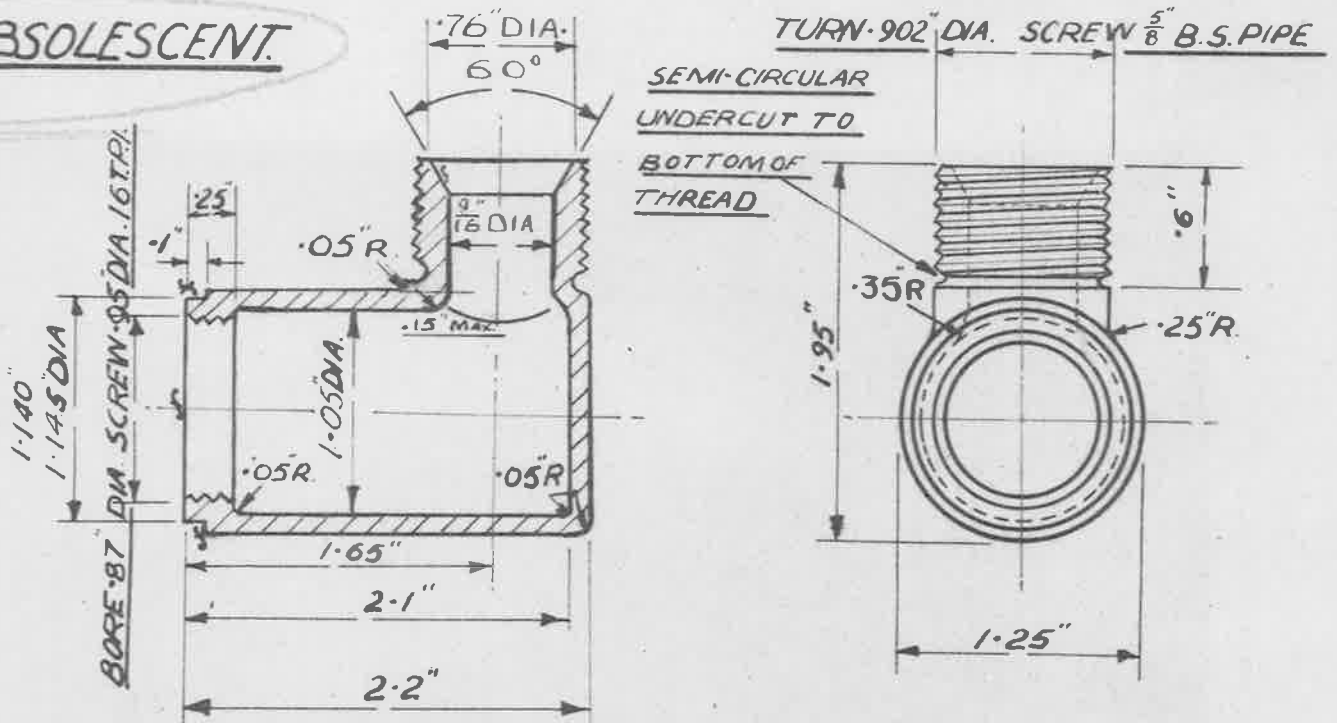
MACHINE TO f MARKS

FINISH:-  
TO BE ANODISED  
TO SPEC: D.T.D. 910 (LATEST ISSUE)

SCALE FULL SIZE

SCREW THREADS TO BE IN ACCORDANCE WITH B.S. SPEC: 84-1940 FOR B.S.P. MEDIUM FIT.

OBSOLESCE



BODY CASTING PART 3.

MATERIAL. ALUMINIUM.  
SPEC: N° L5, L33 OR D.T.D 424.  
(LATEST ISSUES)

CLASS 3 CASTING.  
SEE DRAWING N° AD. 15528-3  
(LATEST ISSUE)

MACHINE TO f MARK

FINISH.  
TO BE ANODISED  
TO SPEC: D.T.D 910 (LATEST ISSUE)

SCALE FULL SIZE

ISSUED BY  
ROYAL

TITLE: OIL THERMOMETER POCKET  
5/8 B.S. PIPE

RETRACED AT  
GOVERNMENT

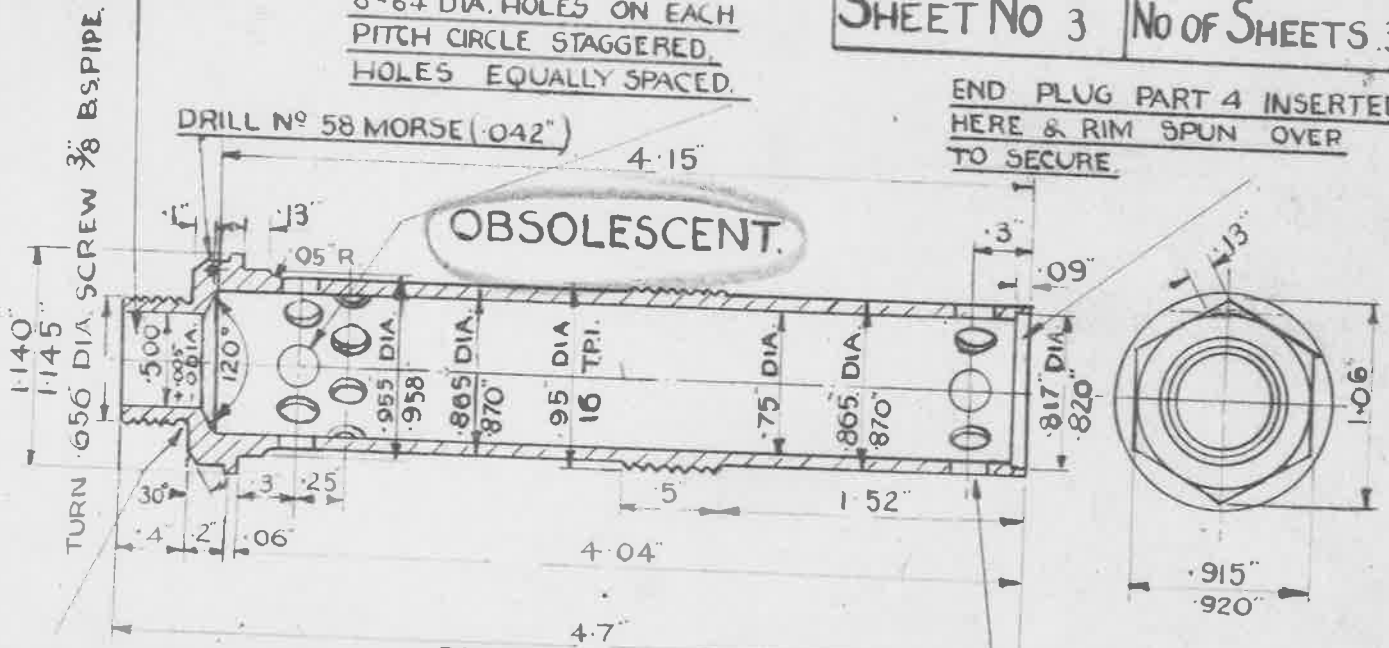
THE ECCENTRICITY OF THE HOLE TO THE 3/8 B.S.S. PIPE THREAD TO BE WITHIN 0.003"

MINISTRY OF SUPPLY AGS No 941

SHEET No 3 No OF SHEETS 3.

8-64 DIA. HOLES ON EACH PITCH CIRCLE STAGGERED. HOLES EQUALLY SPACED.

END PLUG PART 4 INSERTED HERE & RIM SPUN OVER TO SECURE.



SEMI-CIRCULAR UNDERCUT TO BOTTOM OF THREAD. SCREW THREADS TO BE IN ACCORDANCE WITH B.S. SPEC. 84-1940 FOR MEDIUM FIT.

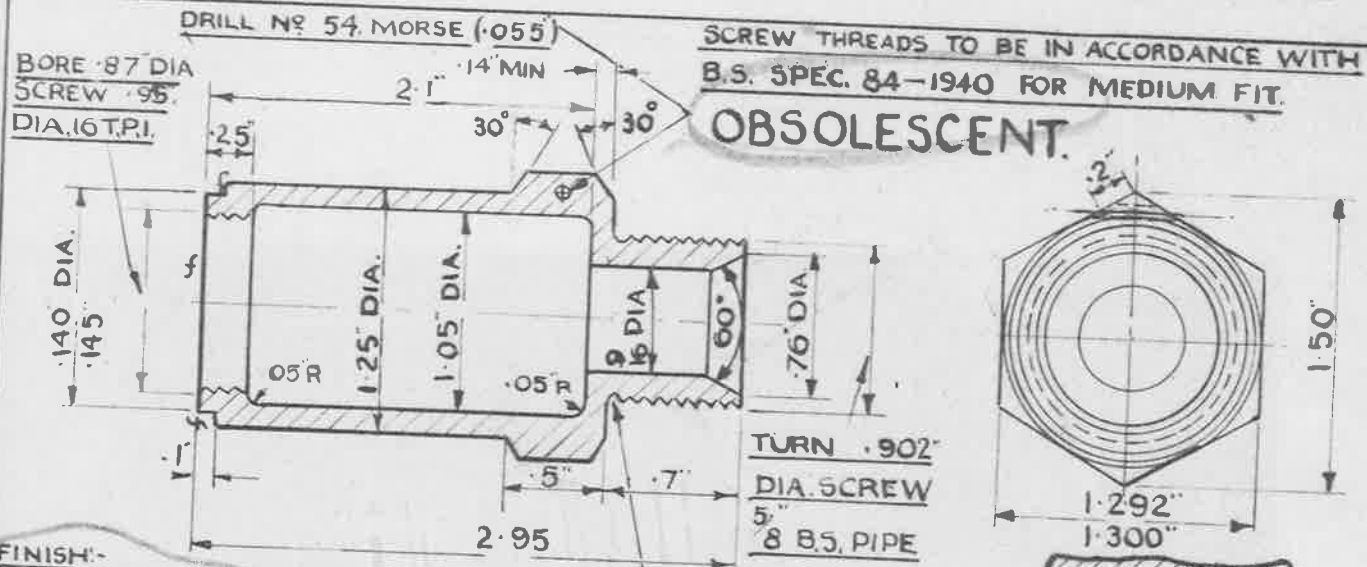
REMOVE SHARP EDGES.

8-64 DIA. HOLES EQUALLY SPACED

SLEEVE - PART .1.  
MATL - MILD STEEL  
SPEC. 5.11  
LATEST ISSUE

MACHINE ALL OVER  
FINISH: - CADMIUM PLATED TO SPEC. D.T.D. 904. (LATEST ISSUE)

SCALE: - FULL SIZE



SCREW THREADS TO BE IN ACCORDANCE WITH B.S. SPEC. 84-1940 FOR MEDIUM FIT.

OBSOLESCE

FINISH: - TO BE ANODISED TO SPEC. D.T.D. 910 (LATEST ISSUE)

UNDERCUT TO BOTTOM OF THREAD. SEE ENLARGED VIEW

MACHINE TO f MARKS OR FROM HEX. BAR. (CLASS 3 CASTING SEE DRG NO AD 15528-3 (LATEST ISSUE))

UNION BODY - PART 6.

MATL - ALUMINIUM  
SPEC. NO L5, L33, OR D.T.D 424 (LATEST ISSUES)

FINISH: - TO BE CADMIUM PLATED TO SPEC. D.T.D. 904, (LATEST ISSUE)

MATL - MILD STEEL  
SPEC. 5.6. (LATEST ISSUE)

OBSOLESCE



MACHINE ALL OVER

SCALE: - FULL SIZE

END PLUG - PART 4.

ISSUED BY ROYAL AIRCRAFT ESTABLISHMENT

TITLE OIL THERMOMETER. POCKET, 3/8 B.S. PIPE

RE-TRACED. K.L.

ISSUE NO	10	8	9	13
ALTERATION NO.	A 5	NO	A 5	NO

AT. G. A. F.

THIS DRAWING MAY ONLY BE USED FOR THE  
MANUFACTURE OF ARTICLES TO BE SUPPLIED  
TO THE MINISTRY OF AIRCRAFT PRODUCTION.

MINISTRY OF  
AIRCRAFT  
PRODUCTION.

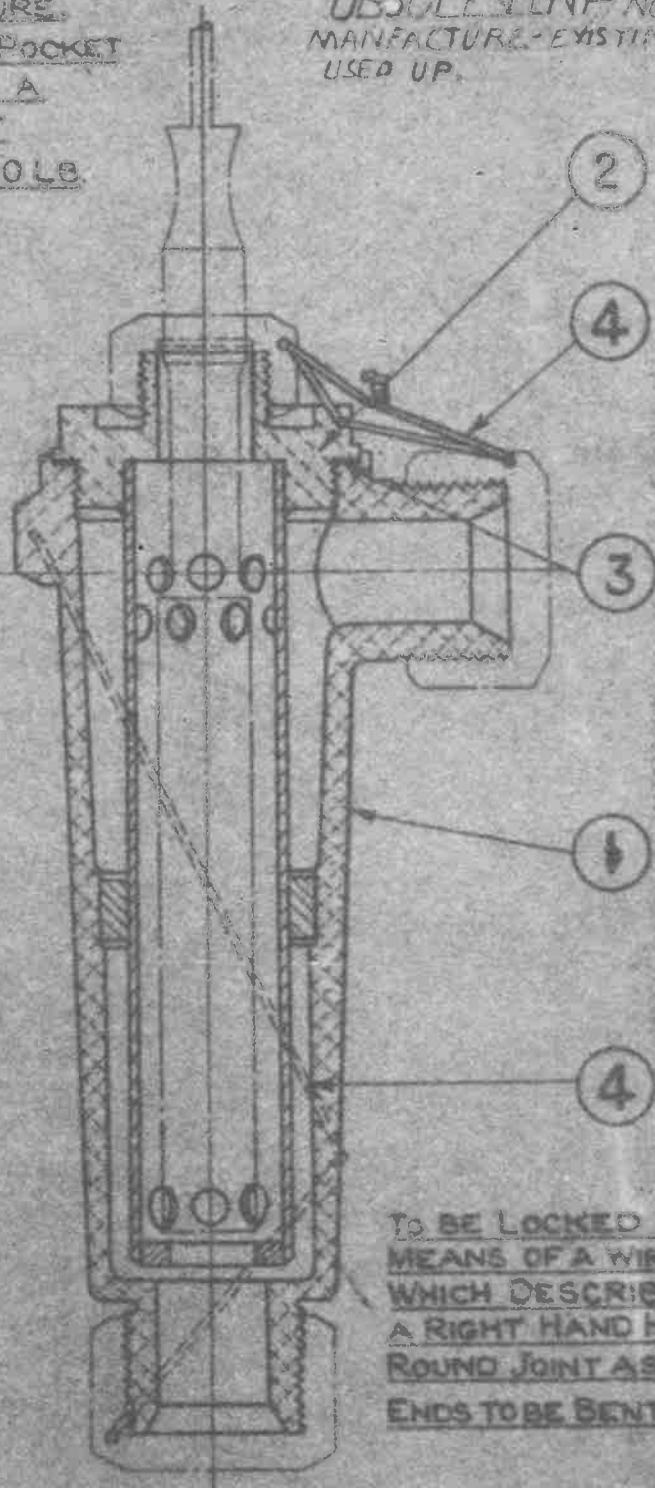
AGS No 941/M

SHEET No. 1

No. OF SHEETS 3

TEST PRESSURE.  
THE COMPLETE POCKET  
IS TO WITHSTAND A  
HYDRAULIC TEST  
PRESSURE OF 150 LB.  
PER INCH.

OBSCOLESCENT - NO FURTHER  
MANUFACTURE - EXISTING STOCKS MAY BE  
USED UP.



TO BE LOCKED BY  
MEANS OF A WIRE  
WHICH DESCRIBES  
A RIGHT HAND HELIX  
ROUND JOINT AS SHOWN.  
ENDS TO BE BENT OVER.

ELBOW TYPE  
AGS 941/M.

PART NO	A.G.S. NO	DESCRIPTION	NO OFF	REMARKS
1	941/M/1	BODY CASTING.	1	
2	941/M/2	SLEEVE.	1	
3	N.D.	FIBRE WASHER.	1	1.55" O.D. x 1.45" I.D. x 1/8"
4	N.D.	LOCKING WIRE	AS REQ <sup>d</sup>	SEE A.G.S. NO 769.

ISSUED BY DRAWING OFFICE  
DIRECTORATE OF  
TECHNICAL DEVELOPMENT  
MINISTRY OF AIRCRAFT  
PRODUCTION.

TITLE - OIL THERMOMETER  
POCKET & B.S. PIPE.

ISSUE NO X M 2 1/2  
ALTER NO

DRAWN  
K.M.D.

CHECKED

TRACED  
16.2.42

APPROVED

SCREW THREADS TO BE  
IN ACCORDANCE  
WITH B.S. SPEC. 94-1940  
FOR MEDIUM FIT.

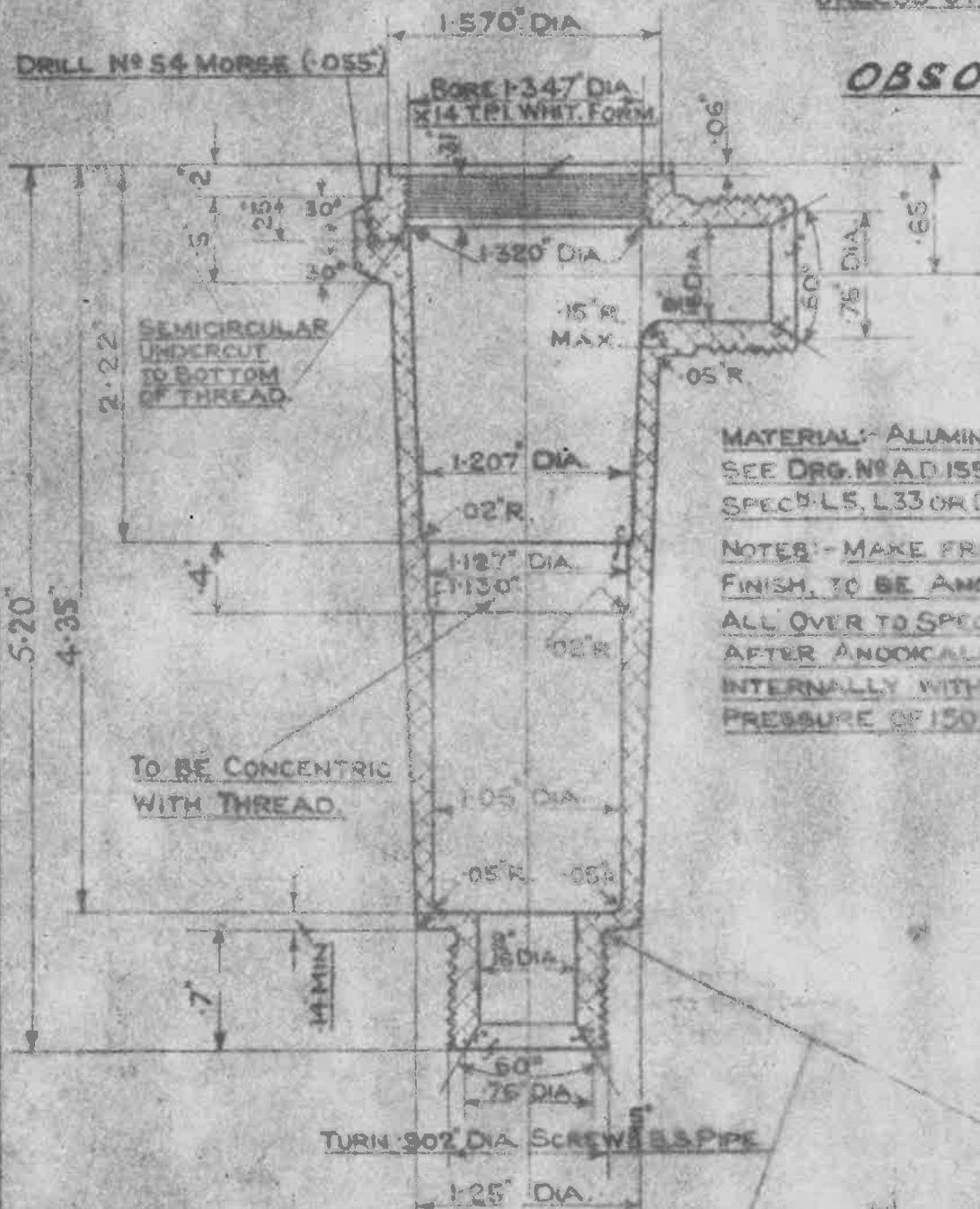
MINISTRY OF  
AIRCRAFT  
PRODUCTION

AGS No 941/M

SHEET No 2 / No of SHEETS 3

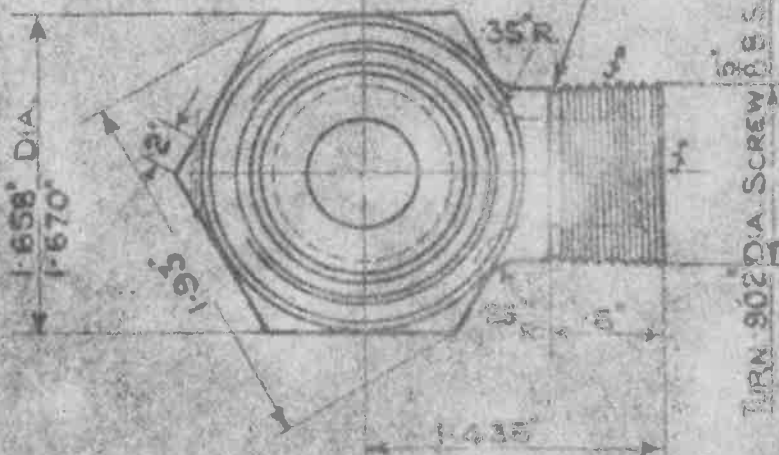
TOLERANCE TO BE  $\pm .005$   
UNLESS OTHERWISE STATED.

**OBSOLESCE**



MATERIAL: ALUMINIUM (CLASS 3 CASTING  
SEE DRG. No AD 1552B-3 LATEST ISSUE)  
SPEC: L5, L33 OR OTD, 424 (LATEST ISSUE)

NOTES: MAKE FROM DIECASTING  
FINISH TO BE ANODICALLY TREATED  
ALL OVER TO SPEC. No 21  
AFTER ANODICALLY TREATING, TEST  
INTERNALLY WITH A HYDRAULIC TEST  
PRESSURE OF 150 LB / SQ. INCH (GAUGE).



SCRAP SECTION  
SHOWING UNDER-  
CUT TO BOTTOM  
OF THREAD.  
SCALE: DOUBLE  
FULL SIZE.

**BODY CASTING PART I**

SCALE: - FULL SIZE.

MACHINE TO f MARKS.

ISSUED BY DRAWING OFFICE DIRECTORATE OF TECHNICAL DEVELOPMENT MINISTRY OF AIRCRAFT PRODUCTION.	TITLE - OIL THERMOMETER POCKET, B.S. PIPE.			DRAWN C.G. Allen	TRACED 27.10.41 H. HARRISON
	ISSUE NO	1	2	3	CHECKED APPROVED
	ALTER. NO				

SCREW THREADS TO BE  
IN ACCORDANCE  
WITH B.S. SPEC: 94-1940  
FOR MEDIUM FIT.

MINISTRY OF  
AIRCRAFT  
PRODUCTION

AGS. No 94/1

SHEET No 3 No of SHEETS 3

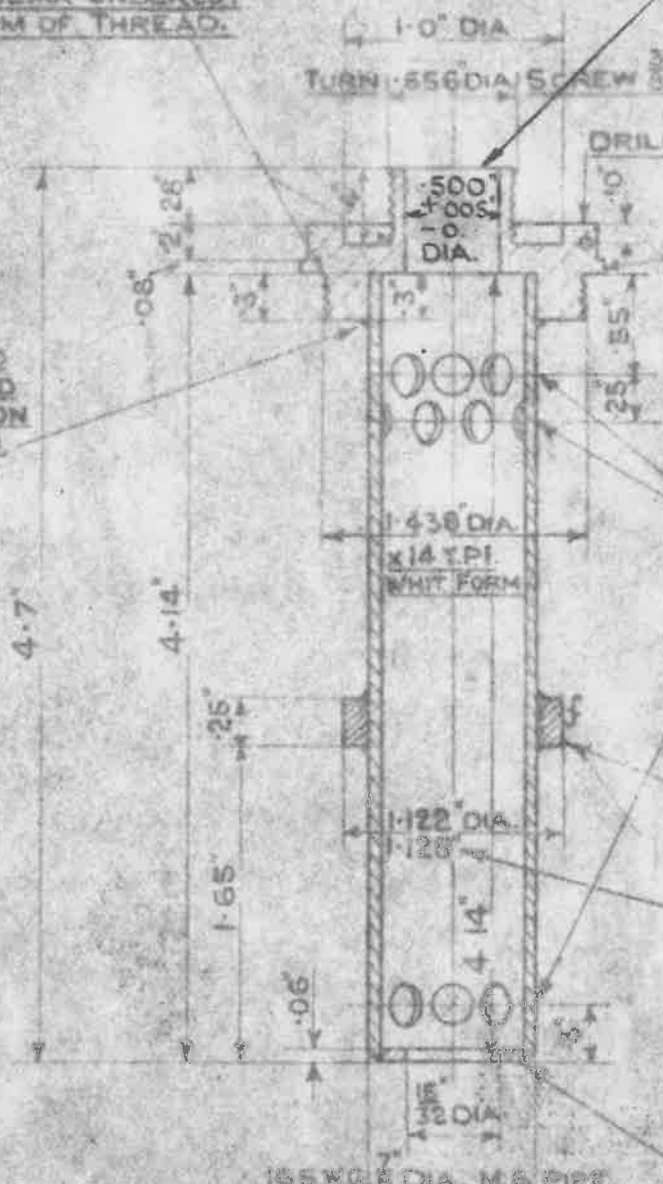
TOLERANCE TO BE  $\pm .005$   
UNLESS OTHERWISE STATED

OBSOLESCE

THE ECCENTRICITY OF THE HOLE TO  
THE  $\frac{3}{8}$  B.S. PIPE THREAD TO BE  
WITHIN 0.003"

SEMI-CIRCULAR UNDERCUT  
TO BOTTOM OF THREAD.

M.S. PIPE TO  
BE WELDED  
INTO POSITION  
AS SHOWN.



TURN .556 DIA SCREW  $\frac{3}{8}$  B.S. PIPE.

DRILL No 54 MORSE (.065)

8.64" DIA HOLES ON EACH  
PITCH CIRCLE. STAGGERED  
HOLES EQUALLY SPACED.

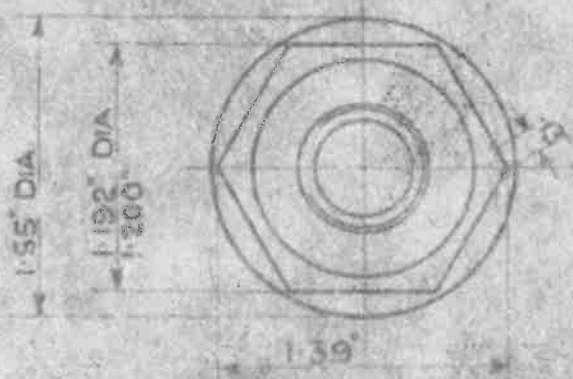
STEEL RINGS  
SPOT WELDED  
INTO POSITION  
AS SHOWN.

TO BE CONCENTRIC WITH THREAD.

END PLUG TO BE WELDED  
INTO POSITION AS SHOWN.

REMOVE SHARP EDGES.

FINISH: - CADMIUM PLATED  
TO SPEC D.T.D. 904  
(LATEST ISSUE)



SLEEVE - PART 2  
MATERIAL: - MILD STEEL  
SPEC: S.G. 9. 2125  
(LATEST ISSUE)

SCALE: - FULL SIZE.

MACHINE TO MARKS.

ISSUED BY DRAWING OFFICE DIRECTORATE OF TECHNICAL DEVELOPMENT MINISTRY OF AIRCRAFT PRODUCTION	TITLE - OIL THERMOMETER POCKET $\frac{3}{8}$ B.S. PIPE			DRAWN <i>C. F. Allen</i>	TRAILED 25-10-41 H. HARRISON
	ISSUE - No	1	2	3	CHECKED
	APPERS No				