

PREPARED C.N. BELL

CHECKED

DATE FEB. 1, 1949

DE HAVILLAND AIRCRAFT OF CANADA

POSTAL STATION "L"

TORONTO

ELBOW 90° - STANDARD DIMENSIONS
U.S.P. THREAD TO B.S.P. THREAD

PAGE 1 OF 5

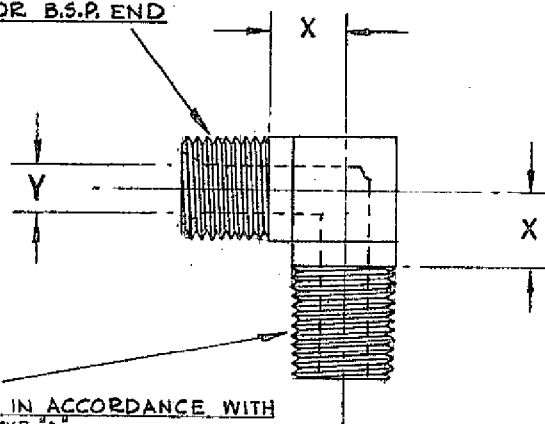
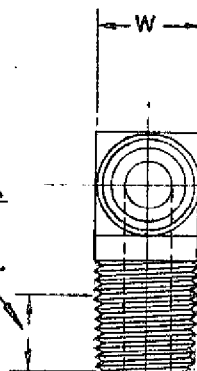
REPORT

TYPE CSP 29

FOR EFFECTIVE THREAD
ENGAGEMENT SEE DATA
SHEET AND-10077

REMOVE ALL BURRS & SHARP EDGES

THREAD "B"

FITTING END IN ACCORDANCE WITH
CDS 2, STYLE "B" FOR TUBE SIZE
SPECIFIED FOR B.S.P. END

THREAD "A"

FITTING END IN ACCORDANCE WITH
AND-10077 STYLE "A"

TUBE O/D	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1"
DIM. "X"	0.32	0.37	0.47	0.53	0.56	0.59	0.70	0.75	0.87	1.00

"A" THREAD

TUBE O/D	THREAD	1/8 U.S.P.	1/4 U.S.P.	3/8 U.S.P.	1/2 U.S.P.	3/4 U.S.P.	1" U.S.P.
3/16	1/8 B.S.P.	-2-3	-4-3				
1/4	1/4 B.S.P.	-2-4	-4-4	-6-4			
5/16	.60% x 19 TPI.	-2-5	-4-5	-6-5	-8-5		
3/8	3/8 B.S.P.		-4-6	-6-6	-8-6		
7/16	.75% x 14 TPI.			-6-7	-8-7		
1/2	1/2 B.S.P.			-6-8	-8-8	-12-8	
5/8	5/8 B.S.P.				-8-10	-12-10	
3/4	3/4 B.S.P.				-8-12	-12-12	-16-12
7/8	7/8 B.S.P.				-8-14	-12-14	-16-14
1"	1" B.S.P.						-16-16

DIM. "W" & TOLERANCE AS SPECIFIED FOR LARGE FITTING END.

DIM. "X" AS SPECIFIED FOR LARGEST FITTING END.

DIM. "Y" & TOLERANCE AS SPECIFIED FOR SMALL FITTING END.

MATERIAL - STEEL - SPECN. SAE 1025 OR COMM. FREE TURNING STEEL - CADMIUM PLATED
 BRASS - SPECN. B11 OR COMM. FREE TURNING BRASS - CADMIUM PLATED
 ALUM. - SPECN. 24 ST. ANODIZED

PART NUMBERING - IN ALL CASES THE FIRST DASH NO. WILL INDICATE AMERICAN THREADS
 THE SECOND DASH NO. BRITISH THREADS

EXAMPLE OF PT. No. - CSP 29-6-6 3/8 U.S.P. TO 3/8 B.S.P. STEEL
 CSP 29B-6-4 3/8 U.S.P. TO 1/4 B.S.P. BRASS
 CSP 29D-6-4 3/8 U.S.P. TO 1/4 B.S.P. ALUM.

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS $\pm .005$, ANGLES $\pm 1/2^\circ$

ISSUE No.

1

2

AUTHORITY

1/20

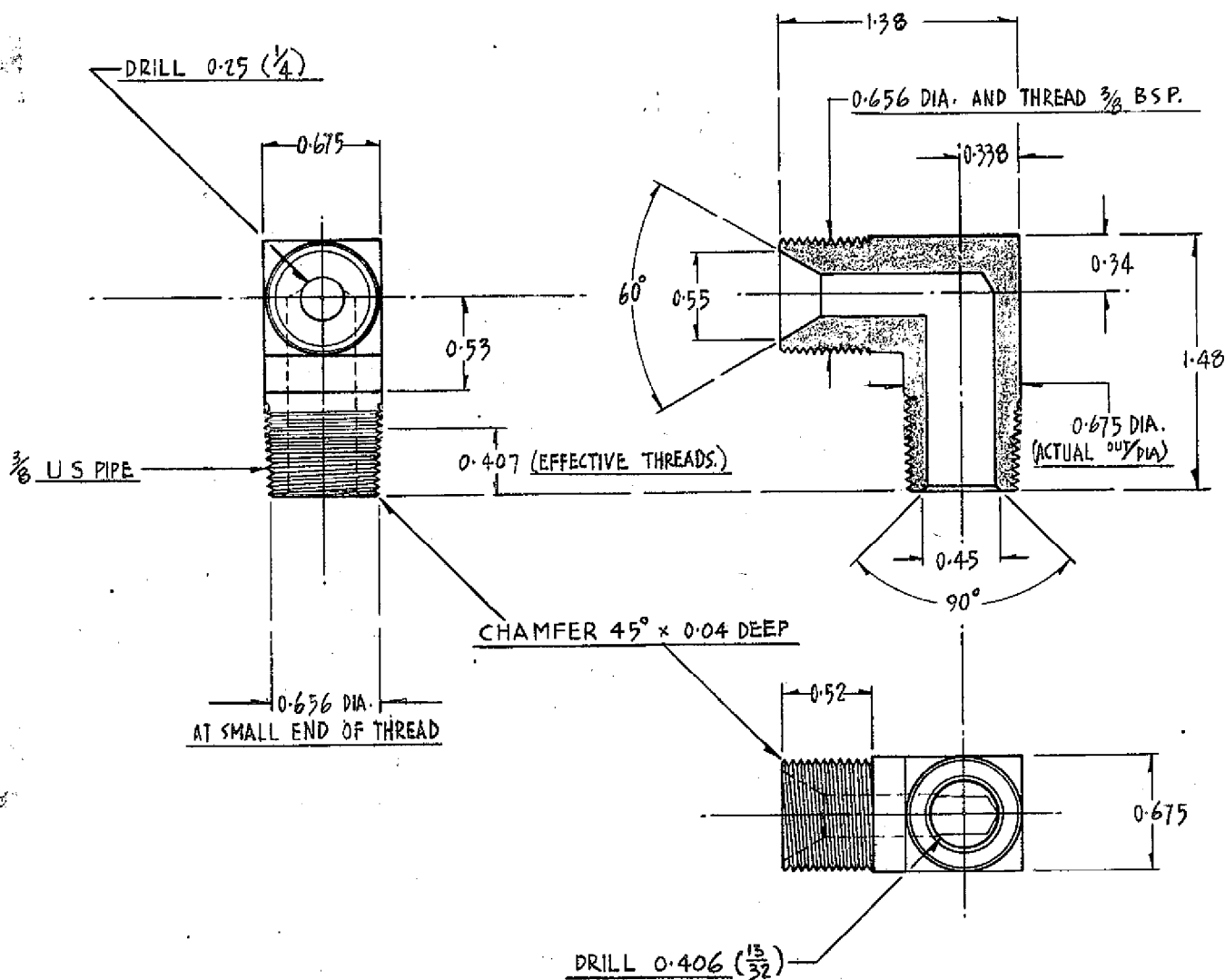
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PART No.

CSP 29

FMC 71867

18

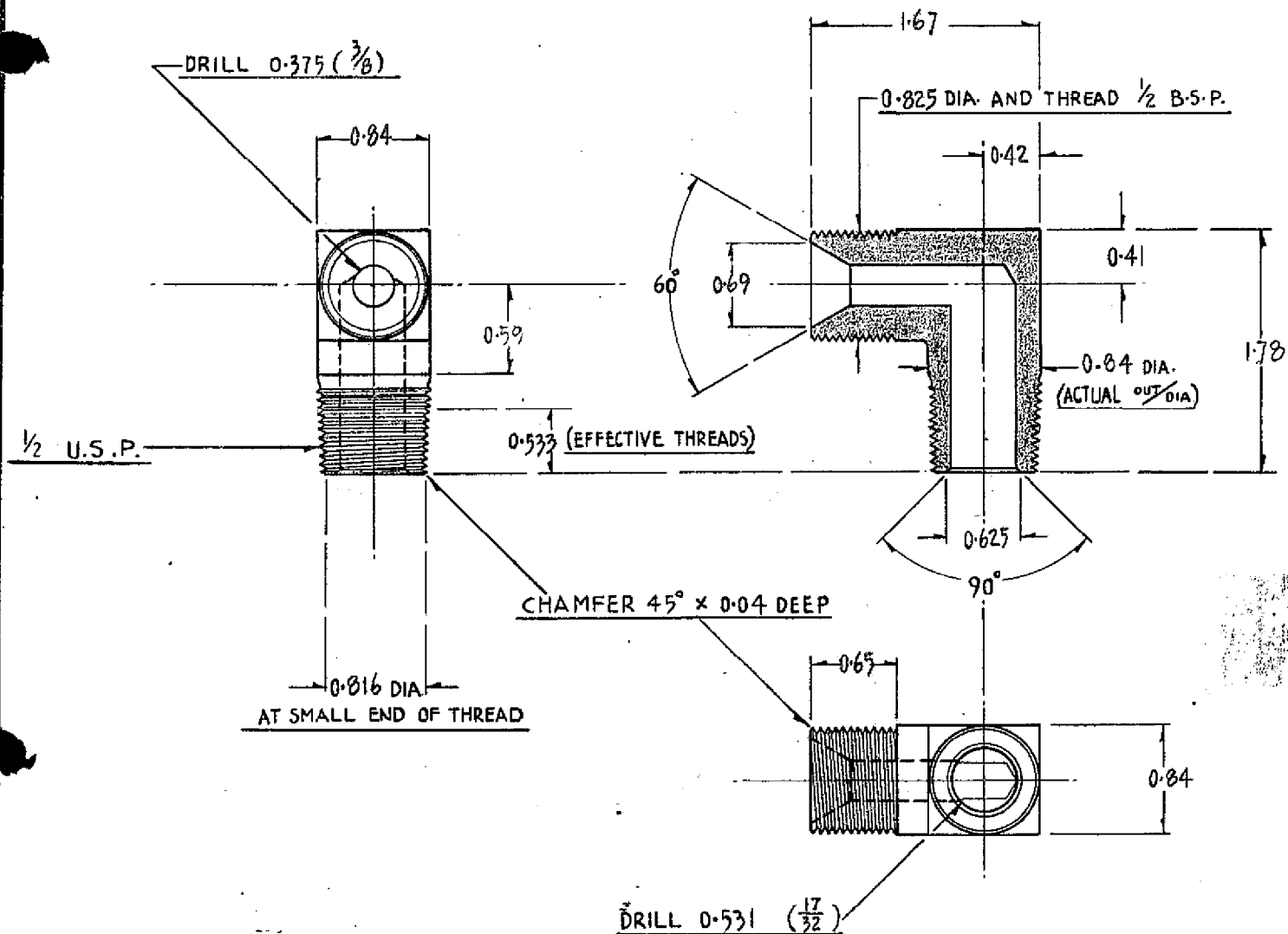


ISSUE	1.						
MOD. No.		CAS-115					
CLASS							
ALTERATION		$\frac{3}{8}$ USP THREAD WAS $\frac{3}{8}$ AN TAPER PIPE x 18 TPI					
EMBODIED							
DATE	17. OCT. 50	18. APR. 51.					
CHECKED							
APPROVED							
MATERIAL	FREE TURNING STEEL BAR						SPEC. SAE-1025 OR COMM'L
TYPE	SCHEDULE NUMBER	NEXT ASSEMBLY	NO REQ.	FINISH CADMIUM			DRAWN
				THE DE HAVILLAND AIRCRAFT OF CANADA LIMITED - - TORONTO			CHECKED
				AMERICAN PROJECTION			CHECKED
				REPLACES			AP. V.D.
DIMENSIONAL TOLERANCES (UNLESS OTHERWISE NOTED)				PART NAME -			OPP. HAND (L H DRAWN)
LINEAR DIMENSIONS				ELBOW			
EXTERNAL DIMENSIONS							
INTERNAL DIMENSIONS							

CSP-29-6-6

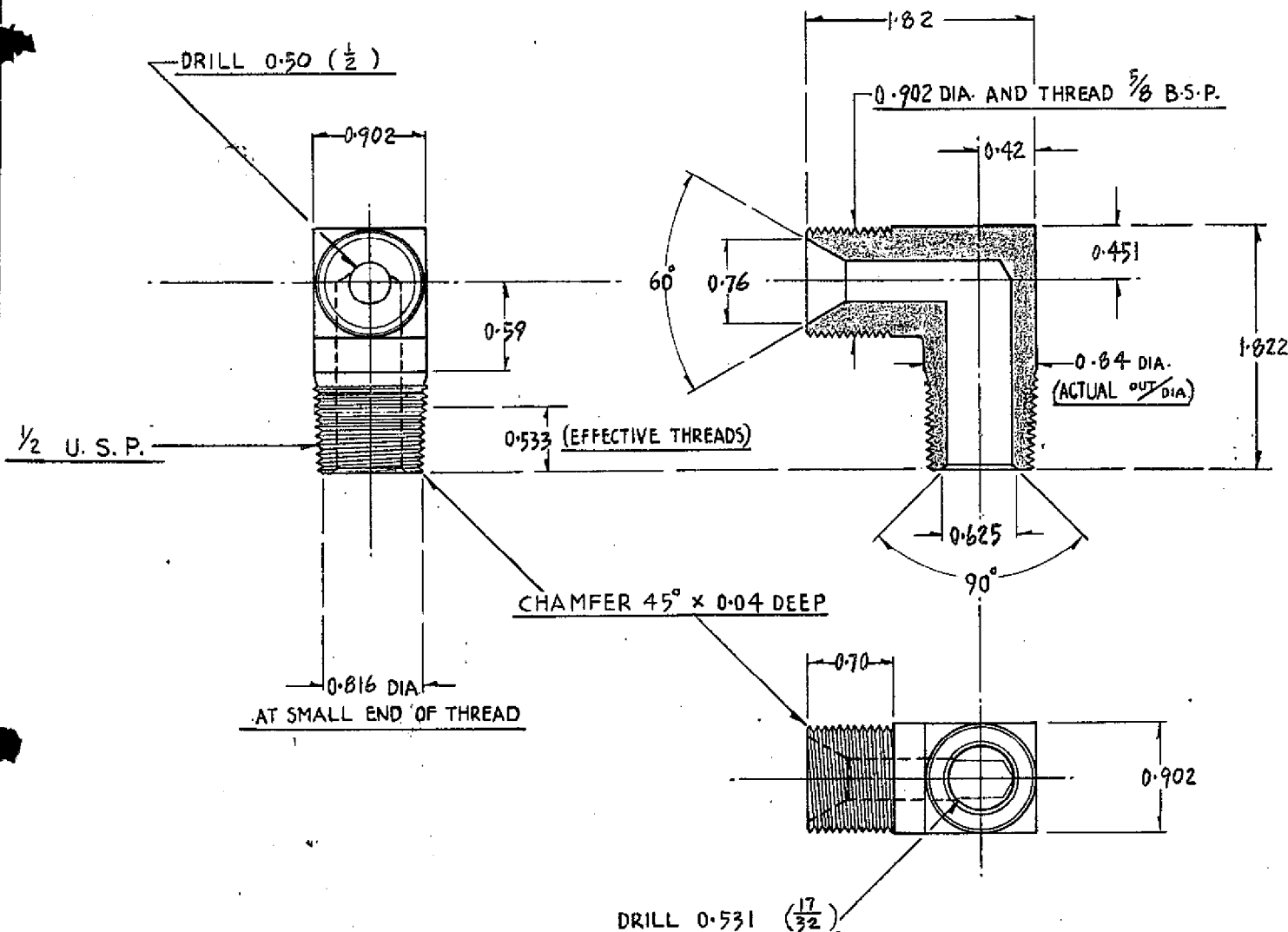
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ISSUE	1.						
MOD. No.		CAS-115					
CLASS							
ALTERATION		$\frac{1}{2}$ USP THREAD WAS $\frac{1}{2}$ AN TAPER PIPE x 14 TPI.					
EMBODIED							
DATE	29. Nov. 50	19. APR. 51.					
CHECKED							
APPROVED	<i>[Signature]</i>	<i>[Signature]</i>					
MATERIAL	ALUMINUM ALLOY BAR					SPEC. 24-ST	
TYPE	SCHEDULE NUMBER	NEXT ASSEMBLY	NO REQ	FINISH ANADODIC		DRAWN	CHECKED
				THE DE HAVILLAND AIRCRAFT OF CANADA LIMITED - - TORONTO		<i>[Signature]</i>	
				AMERICAN PROJECTION REPLACES			
				PART NAME -		DRAWING SIZE A	DRAWING SCALE 1:1
DIMENSIONAL TOLERANCES (UNLESS OTHERWISE NOTED) LINEAR DIMENSIONS ± 0.005 EXTERNAL DIMENSIONS ± 0.010 INTERNAL DIMENSIONS ± 0.000				E L B O W		OFF. HAND (L H DRAWN)	
						CSP.29-D-8-8	

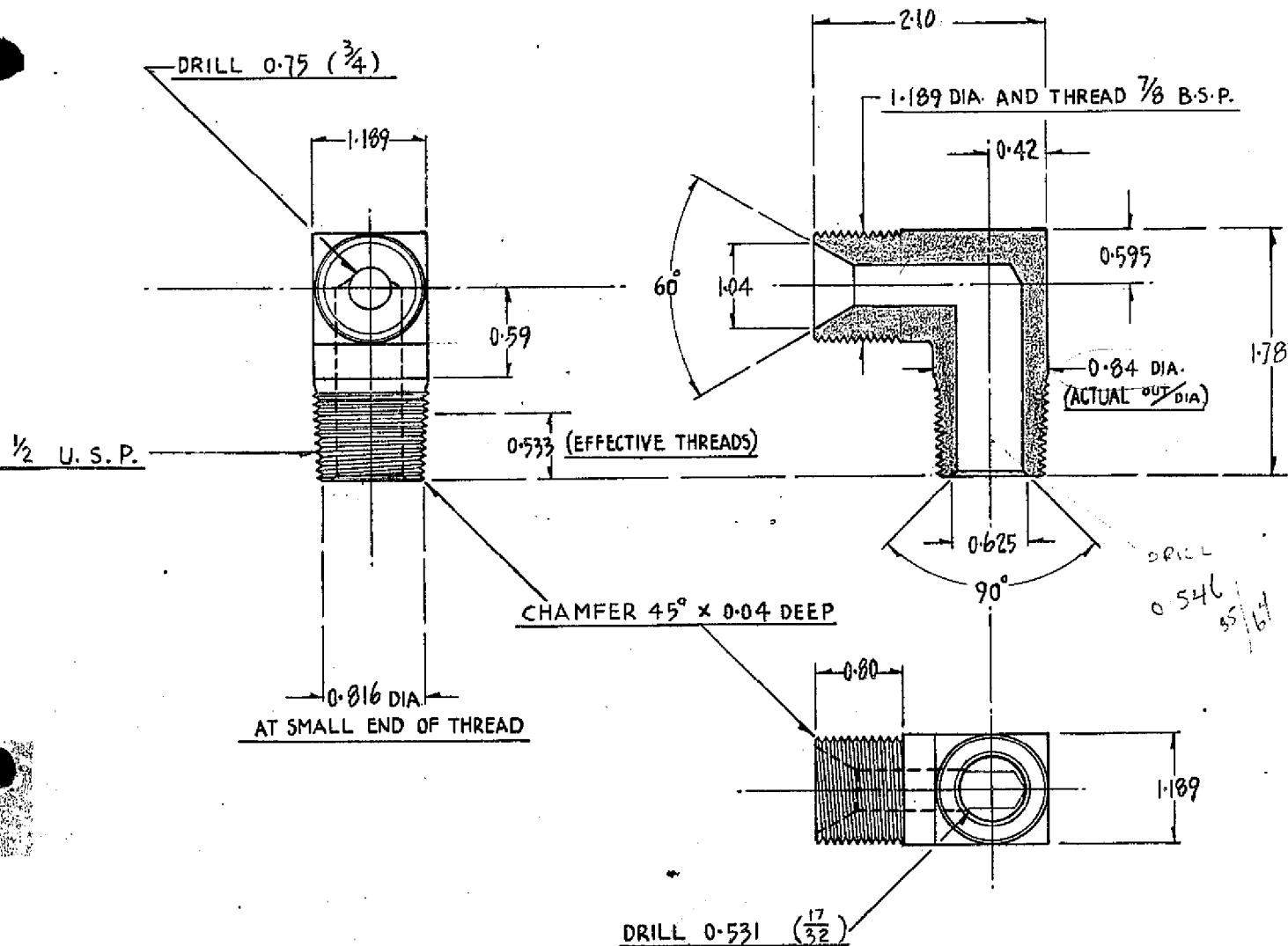
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ISSUE	1								
MOD. No.		CAS - 115							
CLASS									
ALTERATION		1/2 USP THREAD WAS 1/2 AN TAPER PIPE x 14 TPI							
EMBODIED									
DATE	23 JAN 51	19 APR 51							
CHECKED									
APPROVED	<i>A.L.W.</i>	<i>A.L.W.</i>							
MATERIAL	FREE TURNING STEEL BAR						SPEC. SAE 1025 OR COMM		
TYPE	SCHEDULE NUMBER	NEXT ASSEMBLY	NO REQ.	FINISH		CADMIUM		DRAWN	CHECKED
				THE DE HAVILLAND AIRCRAFT OF CANADA LIMITED - - TORONTO				<i>STG</i>	
				AMERICAN PROJECTION		REPLACES		DRAWING SIZE	DRAWING SCALE
								A	1:1
DIMENSIONAL TOLERANCES (UNLESS OTHERWISE NOTED)				PART NAME				OPP. HAND (L H DRAWN)	
LINEAR DIMENSIONS ± 0.005				E LBOW				CSP.29-8-10	
EXTERNAL DIMENSIONS ± 0.010									
INTERNAL DIMENSIONS ± 0.000									

FMC 710

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ISSUE	1.						
MOD. No.		CAS-115					
CLASS							
ALTERATION		1/2 USP THREAD WAS 1/2 AN TAPER PIPE x 14 TPI					
EMBODIED							
DATE	29. NOV. 50	18. APR. 51					
CHECKED							
APPROVED							
MATERIAL	ALUM. ALLOY BAR					SPEC.	24-ST
TYPE	SCHEDULE NUMBER	NEXT ASSEMBLY	NO REQ	FINISH		DRAWN	CHECKED
				ANODIC			
				THE DE HAVILLAND AIRCRAFT OF CANADA LIMITED - - TORONTO		STG	
				AMERICAN PROJECTION		DRAWING SIZE	DRAWING SCALE
				REPLACES.		A	1:1
DIMENSIONAL TOLERANCES (UNLESS OTHERWISE NOTED)				PART NAME -		OPP. HAND (L H DRAWN)	
LINEAR DIMENSIONS + 0.005				E L BOW		CSP.29-D-8-14	
EXTERNAL DIMENSIONS + 0.010							
INTERNAL DIMENSIONS + 0.000							