

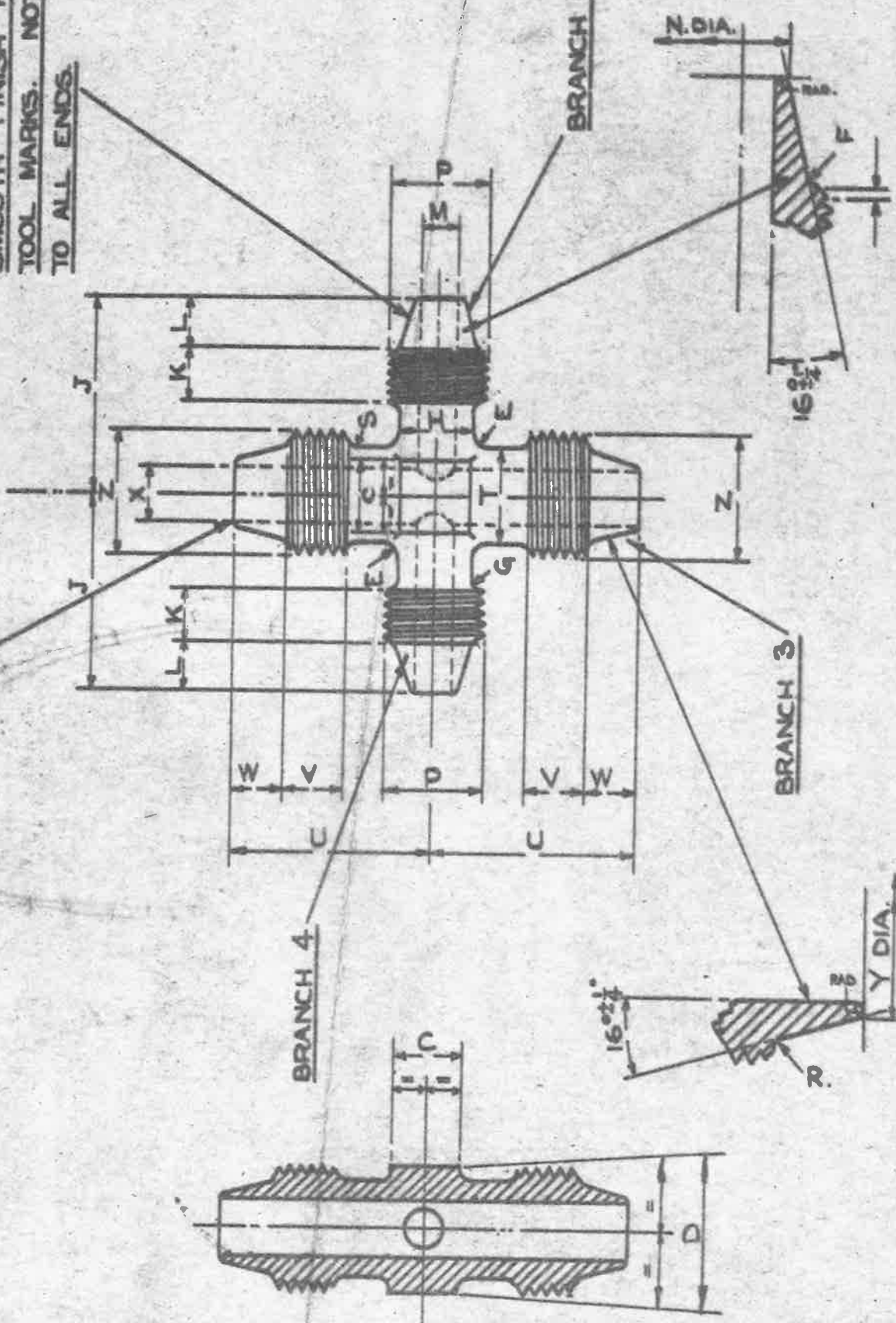
SMOOTH FINISH FREE FROM TOOL MARKS. NOTE APPLIES TO ALL ENDS.

BRANCH 1.

BRANCH 2.

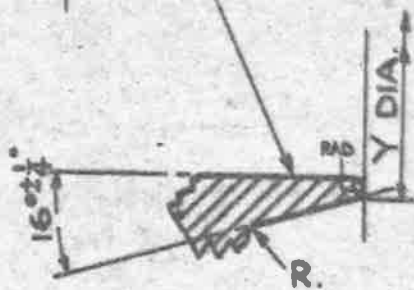
BRANCH 3.

BRANCH 4.



45° CHAMFER TO ROOT OF THREAD. NOTE APPLIES TO ALL ENDS.

SEE A.G.S. 100 FOR GENERAL INFORMATION.



ENLARGED VIEW OF END.

ISSUED BY ROYAL AIRCRAFT ESTABLISHMENT	TITLE:- PIPE COUPLINGS. (LIGHT ALLOY). CONE, 4-WAY PIECE (UNEQUAL).				DRAWN E.N. MEREDITH.	TRACED M. 18-10-41.
	ISSUE No	1	2	2		
	ALTER ^N No	MOD. 115/449	AE/AGE 985	SM 856		

APPROVED FOR

D.T.D.

DATE 12-10-42
SHEETS 2 OF 2

MINISTRY OF SUPPLY

AGS N^o 1125

SHEET N^o 2

N^o OF SHEETS 2

DIMENSIONS FOR BRANCHES 2 & 4.

DIMENSIONS FOR BRANCHES 1 & 3.

MARK	O/DIA. OF PIPES	DIMENSIONS FOR BRANCHES 1 & 3.										DIMENSIONS FOR BRANCHES 2 & 4.												
		Z	Y	X	W	V	U	T	S	R	P	N	M	L	K	J	H	G	F	E	D	C		
1	1/4 x 3/16	B.S.P. THREAD -0	+0.01 DIA. -0 DRILL	224	5/32	28	30	1.05	.37	.05	.04	1/8	160	3/32	22	30	.98	.28	.04	.03	.06	.520	.30	MIN. MAX ±.01
2	5/16 x 1/16	19 T.P.I. WHIT. FORM .60% O/D.	267	3/16	32	34	1.15	.40	.06	.04	1/8	160	3/32	22	30	1.02	.28	.04	.03	.10	.595	.600	.40	
3	5/16 x 1/4	19 T.P.I. WHIT. FORM .60% O/D.	267	3/16	32	34	1.15	.40	.06	.04	1/4	224	5/32	28	30	1.08	.37	.05	.04	.10	.595	.600	.40	
4	3/8 x 1/4	3/8	333	1/4	32	37	1.25	.48	.06	.04	1/4	224	5/32	28	30	1.11	.37	.05	.04	.10	.705	.710	.45	
5	3/8 x 5/16	3/8	333	1/4	32	37	1.25	.48	.06	.04	19 T.P.I. WHIT. FORM .60% O/D.	267	3/16	32	34	1.19	.40	.06	.04	.10	.705	.710	.45	
6	7/16 x 1/4	14 T.P.I. WHIT. FORM .75% O/D.	377	5/16	32	39	1.32	.56	.06	.06	1/4	224	5/32	28	30	1.16	.37	.05	.04	.10	.815	.820	.55	
7	7/16 x 5/16	14 T.P.I. WHIT. FORM .75% O/D.	377	5/16	32	39	1.32	.56	.06	.06	19 T.P.I. WHIT. FORM .60% O/D.	267	3/16	32	34	1.24	.40	.06	.04	.10	.815	.820	.55	
8	1/2 x 1/4	1/2	438	3/8	32	40	1.37	.65	.08	.06	1/4	224	5/32	28	30	1.19	.37	.05	.04	.10	.815	.820	.55	
9	1/2 x 5/16	1/2	438	3/8	32	40	1.37	.65	.08	.06	19 T.P.I. WHIT. FORM .60% O/D.	267	3/16	32	34	1.27	.40	.06	.04	.10	.815	.820	.55	
10	1/2 x 3/8	1/2	438	3/8	32	40	1.37	.65	.08	.06	3/8	333	1/4	32	37	1.35	.48	.06	.04	.10	.815	.820	.55	

THE MATERIAL TO BE LIGHT ALLOY TO D.T.D. 423 (LATEST ISSUE).
FINISH TO BE ANODISED TO SPEC. P.T.D. 910 (LATEST ISSUE).

NOTES: SCREW THREADS TO B.S. SPEC. N^o 84 - 1940, MEDIUM FIT, TRUNCATED THREADS TO AMENDMENT N^o 3 - 1945
FOR ARRANGEMENT OF JOINT SEE A.G.S. 1101.
WORKING PRESSURE - 3,000 LB/SQ. IN. FOR SIZES UP TO 1/2" B.S.P.

ISSUED BY ROYAL AIRCRAFT ESTABLISHMENT	TITLE: PIPE COUPLINGS. (LIGHT ALLOY) CONE, 4-WAY PIECE (UNEQUAL).		DRAWN: E.N. MEREDITH.	TRACED P.L.N. 25-10-41.
	ISSUE N ^o ALTER N ^o	1 2 3	CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>

19-10-42. SM 495

ISSUE	ALT. No.
3	F 2.
4	F46
5	F96
6	F101
7	F123

45° CHAMFER TO ROOT OF THREAD.

Y DIA.

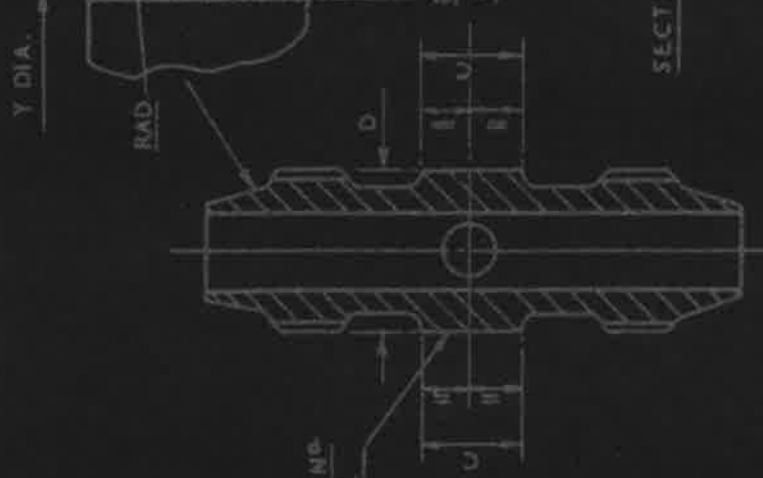
16

R

SM2024

ENLARGED VIEW OF CONE END.

SECTION 'A-A'

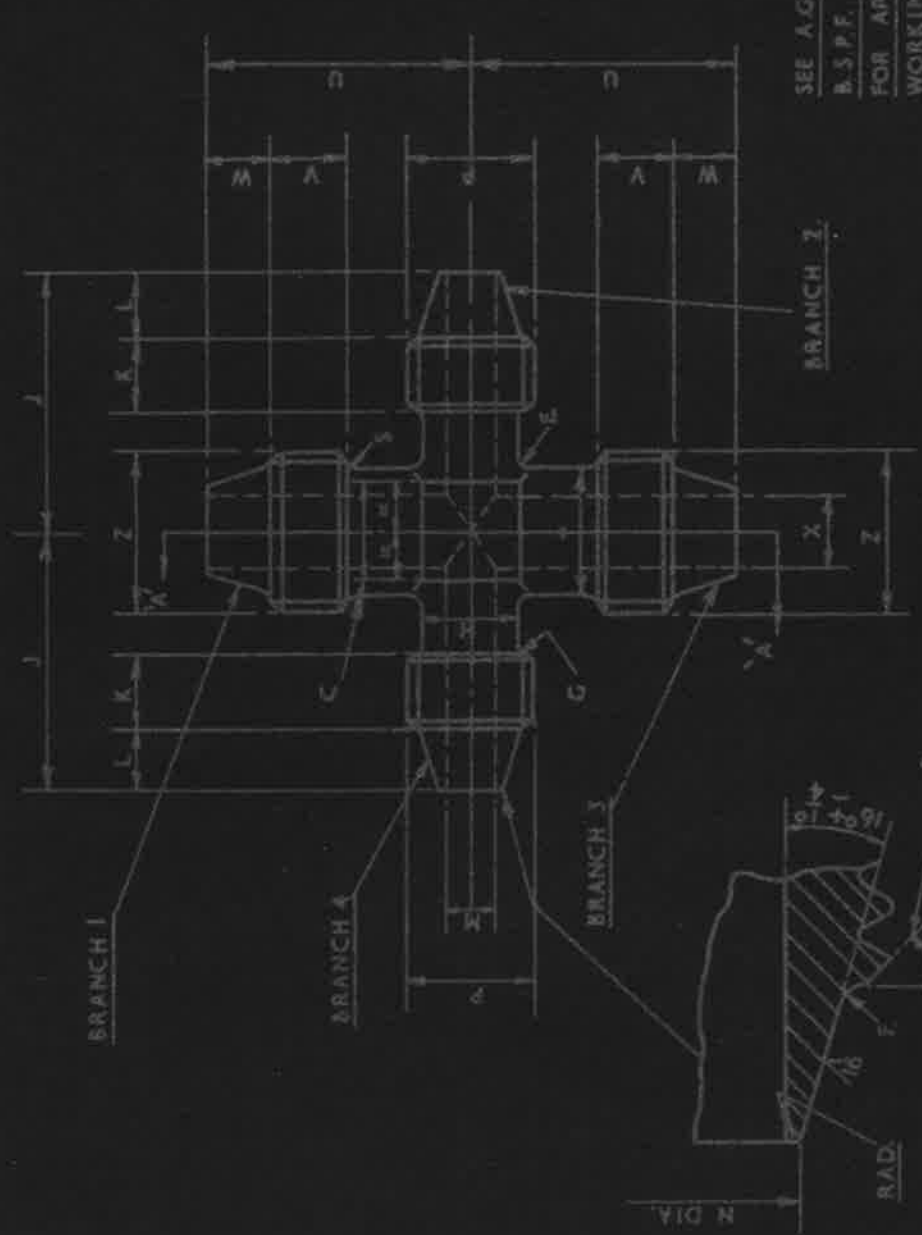


SEE A.G.S. 100 FOR GENERAL INFORMATION

B.S.P.F. THREADS TO B.S. SPEC. 2779 MEDIUM FIT TRUNCATED.

FOR ARRANGEMENT OF PIPE JOINT SEE A.G.S. 1101.

WORKING PRESSURE - 3000 LB/50 IN.



USED ON		REF.	DRAWING OR PART No.	DESCRIPTION			LIMITS NOT SHOWN	MATERIAL - REMARKS
DESIGNED	TRACED			HT	PT	R.S.116. NO. PAINT SCALE		
F.A.C.	F.A.C.							
ISSUED BY THE SOCIETY OF BRITISH AEROSPACE COMPANIES LTD., 29, KING STREET, ST. JAMES'S, LONDON, S.W.1.								THIRD ANGLE PROJECTION
								AG.S. 1125-SHEET 1

SIZE B.5-B.113

APPROVED FOR DATE 27.1.58

A.G.S. 1125 - SHEET 2

REV. ALL. 11/54
 1 11/54
 2 11/54
 3 11/54
 4 11/54
 5 11/54
 6 11/54
 7 11/54
 8 11/54
 9 11/54
 10 11/54

SMZ027

DIMENSIONS FOR BRANCHES 1 AND 3

M A R K	Q/DIA. OF PIPES	C	D	E	F	G	H	J	K	L	M	N	P	R		S	T	U	V	W	X	Y	Z
														RAD.	B.S.P.F. THREAD								
1	1/4 x 3/16	310 290	525 520	060 030	040	320 270	990 970	310 290	310 290	310 290	310 290	170 160	1/8	040	050	410 360	1060 1040	310 290	290 280	5/32 5/32	234 224	1/4	
2	5/16 x 3/16	410 390	600 595	10 030	040	320 270	1030 1010	310 290	310 290	310 290	170 160	1/8	040	060	440 390	1160 1140	350 320	330 320	5/32 5/32	277 267	19 T.P.I. 60 O.D. WHITB.S.94		
3	5/8 x 1/4	410 390	600 595	10 040	050	410 360	1090 1070	310 290	310 290	310 290	234 224	1/4	040	060	440 390	1160 1140	350 320	330 320	5/32 5/32	277 267	19 T.P.I. 60 O.D. WHITB.S.94		
4	3/8 x 1/4	460 440	710 705	10 040	050	410 360	1120 1100	310 290	310 290	310 290	234 224	1/4	040	060	520 470	1260 1240	380 360	330 320	5/32 5/32	345 335	5/8		
5	3/8 x 5/16	460 440	710 705	10 040	060	440 390	1200 1180	350 330	330 320	330 320	277 267	19 T.P.I. 60 O.D. WHITB.S.94	040	060	520 470	1260 1240	380 360	330 320	5/32 5/32	345 335	5/8		
6	7/16 x 1/4	560 540	820 815	10 040	050	410 360	1170 1150	310 290	310 290	310 290	234 224	1/4	060	060	600 550	1330 1310	400 380	330 320	5/32 5/32	387 377	4 T.P.I. 75 O.D. WHITB.S.94		
7	7/16 x 5/16	560 540	820 815	10 040	060	440 390	1230 1210	350 330	330 320	330 320	277 267	19 T.P.I. 60 O.D. WHITB.S.94	060	060	600 550	1330 1310	400 380	330 320	5/32 5/32	387 377	4 T.P.I. 75 O.D. WHITB.S.94		
8	1/2 x 1/4	560 540	820 815	10 040	050	410 360	1200 1180	310 290	310 290	310 290	234 224	1/4	060	080	690 640	1380 1360	410 390	330 320	5/8 5/8	448 438	1/2		
9	1/2 x 5/16	560 540	820 815	10 040	060	440 390	1280 1260	350 330	330 320	330 320	277 267	19 T.P.I. 60 O.D. WHITB.S.94	060	080	690 640	1380 1360	410 390	330 320	5/8 5/8	448 438	1/2		
10	1/2 x 3/8	560 540	820 815	10 040	060	520 470	1360 1340	380 360	360 320	330 320	345 335	3/8	060	080	690 640	1380 1360	410 390	330 320	5/8 5/8	448 438	1/2		

DIMENSIONS FOR BRANCHES 2 AND 4

M A R K	Q/DIA. OF PIPES	C	D	E	F	G	H	J	K	L	M	N	P	R		S	T	U	V	W	X	Y	Z
														RAD.	B.S.P.F. THREAD								
1	1/4 x 3/16	310 290	525 520	060 030	040	320 270	990 970	310 290	310 290	310 290	170 160	1/8	040	050	410 360	1060 1040	310 290	290 280	5/32 5/32	234 224	1/4		
2	5/16 x 3/16	410 390	600 595	10 030	040	320 270	1030 1010	310 290	310 290	310 290	170 160	1/8	040	060	440 390	1160 1140	350 320	330 320	5/32 5/32	277 267	19 T.P.I. 60 O.D. WHITB.S.94		
3	5/8 x 1/4	410 390	600 595	10 040	050	410 360	1090 1070	310 290	310 290	310 290	234 224	1/4	040	060	440 390	1160 1140	350 320	330 320	5/32 5/32	277 267	19 T.P.I. 60 O.D. WHITB.S.94		
4	3/8 x 1/4	460 440	710 705	10 040	050	410 360	1120 1100	310 290	310 290	310 290	234 224	1/4	040	060	520 470	1260 1240	380 360	330 320	5/32 5/32	345 335	5/8		
5	3/8 x 5/16	460 440	710 705	10 040	060	440 390	1200 1180	350 330	330 320	330 320	277 267	19 T.P.I. 60 O.D. WHITB.S.94	040	060	520 470	1260 1240	380 360	330 320	5/32 5/32	345 335	5/8		
6	7/16 x 1/4	560 540	820 815	10 040	050	410 360	1170 1150	310 290	310 290	310 290	234 224	1/4	060	060	600 550	1330 1310	400 380	330 320	5/32 5/32	387 377	4 T.P.I. 75 O.D. WHITB.S.94		
7	7/16 x 5/16	560 540	820 815	10 040	060	440 390	1230 1210	350 330	330 320	330 320	277 267	19 T.P.I. 60 O.D. WHITB.S.94	060	060	600 550	1330 1310	400 380	330 320	5/32 5/32	387 377	4 T.P.I. 75 O.D. WHITB.S.94		
8	1/2 x 1/4	560 540	820 815	10 040	050	410 360	1200 1180	310 290	310 290	310 290	234 224	1/4	060	080	690 640	1380 1360	410 390	330 320	5/8 5/8	448 438	1/2		
9	1/2 x 5/16	560 540	820 815	10 040	060	440 390	1280 1260	350 330	330 320	330 320	277 267	19 T.P.I. 60 O.D. WHITB.S.94	060	080	690 640	1380 1360	410 390	330 320	5/8 5/8	448 438	1/2		
10	1/2 x 3/8	560 540	820 815	10 040	060	520 470	1360 1340	380 360	360 320	330 320	345 335	3/8	060	080	690 640	1380 1360	410 390	330 320	5/8 5/8	448 438	1/2		

DESIGNED	DRAWN	TRACED	CHECKED	APPROVED	DATE	HT	PT	SCALE	DESCRIPTION	MATERIAL - REMARKS
	F.A.C.	F.A.C.	F.A.C.		27/7/54				PIPE COUPLINGS (ALUMINUM ALLOY) CONE 4 WAY PIECE (UNEQUAL)	
A.G.S. 1125 - SHEET 2										

THIS IS A PHOTOGRAPHIC REDUCTION. DRAWING MUST NOT BE SCALED.