DRG. Nº E.G.F. 134

PART Nº G. 6397

DEPTH OF FLANGE DETERMINED BY A LINE STRUCK SQUARE TO THE CENTRE OF THE 3/16" RADIUS (NOTE THIS DIMENSION WILL VARY WITH THE CONTOUR OF THE NOSE COWL)

PARALLEL TO ℄ A/C

FORWARD

3/16" RADIALLY CONSTANT AROUND OPENING.

POINT ON LINE (15)

SECTION B-B
FULL SIZE

POINT ON LINE (2)

.22" RAD.

.05" R.

POINT ON LINE (1)

FLANGE.

.05" RAD

DETAIL Z TWICE FULL SIZE
SHOWING DIMENS. FOR SWAGING.
SWAGING IS RADIALLY CONSTANT ALL ROUND COWL

NOTES:-

(1) ALL DIMENS ARE GIVEN TO INSIDE OF METAL & ARE MEASURED SQUARE EXCEPT WHERE OTHERWISE STATED.

(2) CONTOURS TO BLEND SMOOTHLY.

(3) PART IS SYMMETRICAL ABOUT ℄ A/C.

1.92"

9.00"

6.25" RAD

RADIUS TO BE BLENDED IN

10°

6.19"

2.50"

PROP HOLE

6.22"

2.50"

6.12"

.04" INSIDE RADIUS AROUND CENTRE HOLE

5.89"

POINT θ

5.52"

90° TO TANGENT OF CURVE AT THIS POINT

5.03"

POINT C1

4.38"

FLANGE TO BE TURNED IN AT 90° TO SURFACE ALL ROUND

3.59"

90° TO TANGENT OF CURVE AT THIS POINT

POINT D1

2.65"

.68"

.04" INSIDE RADIUS AROUND HOLE

2.5" RAD

RADIUS TO BE BLENDED IN.

LINE (2)

LINE (1)

8.84"

5.00"

10.20"

7.50"

10.00"

12.50"

15.00"

17.50"

30.25"

16.15"

30.25"

℄ THRUST AT LINE (2)

SEE DETAIL Z FOR PARTICULARS OF SWAGING DIMENSIONS

VIEW ON A-A

FLANGE AT COOLING HOLES OMITTED.

NOTE:-
THE RADII GIVEN FOR THE COOLING HOLES ARE NOT TANGENTIAL TO ONE ANOTHER & ARE TO BE BLENDED IN TO GIVE A SMOOTH FLOWING CONTOUR.

LINE (15)

.30"

2.75" RAD

1.10"

3.75" RAD

1.98"

.52"

1.04"

8.00" RAD

1.71"

3.5" RAD

55°

22°

1.75" RAD

2.5" RAD

20° PARALLEL

1.65"

5.14"

4.68"

6.77"

B

B

℄ PROP HOLE

.30"

6.75" DIA

6.00" DIA IN BLANK PRIOR TO FLANGING.

℄ AIRCRAFT

A C D E F G H I J K L M N O P Q R S T U V W X Y A

6.70"

.60" RAD ON ALL CORNERS

℄ A/C

POINT C1

1.34"

1.34"

36°

2.43"

A1

VIEW ON ARROW A

DIMNS ARE MEASURED SQUARE

.30" PARALLEL DIMNS ℄ A/C

FOR HOLE IN BLANK PRIOR TO FLANGING

POINT D1

.50"

.50"

5.18"

.30" RAD

B1

VIEW ON ARROW B1

DIMNS ARE MEASURED SQUARE

SECTION	DIMN 3	DIMN 4	DIMN 5	DIMN 6	DIMN 7	DIMN 8	DIMN 9	DIMN 10	DIMN 11	DIMN 12	RADIUS 13	DIMN 14
C	8·69	6·16	3·90	1·64	15·20	7·07	7·27	7·35	7·30	1·02	6·22	15·08
D	8·93	6·33	4·00	1·68	15·43	7·07	7·26	7·32	7·23	·99	6·19	15·32
E	9·33	6·62	4·18	1·75	15·84	7·07	7·23	7·28	7·17	·94	6·15	15·73
F	9·95	7·06	4·46	1·88	16·42	7·07	7·21	7·20	7·02	·86	6·03	16·31
G	10·84	7·70	4·08	2·04	17·20	7·07	7·17	7·08	6·77	·75	5·83	17·08
H	14·10	10·58	7·05	3·52	18·12	7·10	7·03	6·67	5·98	·62	5·56	18·01
I	14·82	11·25	7·50	3·75	18·82	7·05	6·88	6·39	5·55	·50	5·15	18·72
J	14·39	11·10	7·40	3·70	18·94	6·89	6·77	6·21	5·41	·45	4·76	18·87
K	14·50	10·88	7·25	3·63	18·57	6·93	6·67	6·05	5·09	·45	4·49	18·56
L	14·00	10·50	7·00	3·50	17·97	6·88	6·56	5·82	4·95	·45	4·35	17·88
M	14·00	10·50	7·00	3·50	17·21	6·82	6·43	5·71	4·65	·45	4·27	17·25
N	12·00	9·00	6·00	3·00	16·37	6·78	6·45	5·88	5·06	·45	4·31	16·54
O	12·00	9·00	6·00	3·00	15·68	6·71	6·33	5·71	4·83	·45	4·31	15·90
P	12·00	9·00	6·00	3·00	15·18	6·67	6·23	5·56	4·63	·45	4·24	15·44
Q	10·80	8·10	5·40	2·69	14·82	6·65	6·25	5·66	4·85	·45	4·15	15·12
R	11·52	8·63	5·76	2·87	14·60	6·58	6·08	5·39	4·43	·45	3·97	14·84
S	12·03	9·44	6·30	3·15	14·54	6·50	5·88	5·01	4·05	·45	3·77	14·84
T	12·00	9·00	6·00	3·00	14·63	6·48	5·87	5·03	3·97	·45	3·57	15·01
U	12·28	9·00	6·00	3·00	14·76	6·47	5·83	4·95	3·70	·45	3·23	15·15
V	12·00	9·00	6·00	3·00	14·90	6·43	5·75	4·86	3·74	·45	3·00	15·30
W	12·00	9·00	6·00	3·00	15·00	6·40	5·70	4·77	3·66	·45	2·82	15·37
X	12·00	9·00	6·00	3·00	15·06	6·38	5·67	4·73	3·60	·45	2·65	15·38
Y	12·00	9·00	6·00	3·00	15·11	6·36	5·65	4·71	3·56	·45	2·53	15·38

J		10.4.8	5		
E		1.000	4	W/L	
E		8.4.4	3	F.L.C.	
B	REDRAWN			F.L.C.	
E		7.2.3	3	F.L.C.	
B	℄ PROP HOLE		RAISED	.30"	ETC.
A					
ISSUE	MOD	INTERNAL	INTERNAL	APP.	R.T.O

TYPE :- "AUSTER"

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TYPICAL SECTION C TO Y
(HOLES OMITTED) FULL SIZE
CONTOURS TO BLEND SMOOTHLY THROUGH GIVEN ORDINATES AND SECTIONS.

DATUM LINE FOR SECTION C TO Y

DIMN (14)

6.88" CONSTANT FOR ALL SECTIONS C TO Y.

POINT ON LINE (1)

THIS POINT IS THE INTERSECTION POINT OF FLANGE LINE PRODUCED TO CUT LINE 2.

1.15" CONSTANT FOR ALL SECTIONS C TO Y

THIS DIMEN IS GIVEN AT VIEW ON A-A

DIMN (12)

RADIUS (13)

DIMN (3)

DIMN (11)

DIMN (4)

DIMN (10)

DIMN (5)

DIMN (9)

DIMN (6)

DIMN (8)

POINT ON LINE (2)

.06" CONSTANT FOR ALL SECTIONS C TO Y

RADII TO BE BLENDED IN AS SHOWN AT ALL SECTIONS

POINT 'B'

DIMN (7)

℄ A/C

PROTECTIVE TREATMENT.	ASSY NOS.	E.G.F.S.			1.		18G. ALUM.	L.17.	1
					ITEM NO.	PART NO.	DESCRIPTION	MATERIAL OR DRG NO.	Nº OFF.
	SCALE :- 1~1, 1~2 & 2~1				DRAWN BY:- R.K.T.M.		CHECKED BY:- F.R. SHENTON	TRACED BY:- M.J. LANDER. 1.6.44	TRACING CHECKED 7/6/44
TAYLORCRAFT AEROPLANES (ENGLAND) LTD. LEICESTER.							STRESS APPROVAL		PART NO. G.6397
							DESIGN APPROVAL F.L.C.		
TITLE :- NOSE COWL PRESSING							APPROVED R.T.O.		DRG. NO. E.G.F. 134