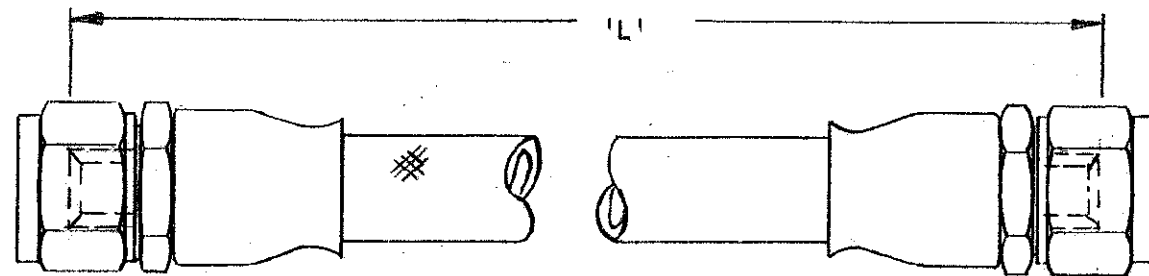


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REVISIONS

CHANGE	ITEM NO	DESCRIPTION	DATE	DRAWN	CHECKED	STRESS	APPROVED
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PROCUREMENT DEPT. SHALL SPECIFY THE DSC AND THE MANUFACTURER'S PART NUMBER ON PURCHASE ORDER.

Fitting Mat'l:
Stainless Steel
both ends.

PART NUMBER	TUBE OD	HOSE SIZE ID	ASSY SIZE OD MAX.	WEIGHT LB/FT MAX.	MAX OPER PSI	MIN BEND RAD	MIN BURST PSI	MIN PROOF PSI
DSC414-3	.188	.125	.273	.041	1500	2.00	12000	3000
-4	.250	.188	.343	.082	1500	2.00	12000	3000
-5	.312	.250	.406	.098	1500	2.00	10000	3000
-6	.375	.313	.469	.118	1500	4.00	9000	3000
-8	.500	.406	.585	.157	1500	4.62	8000	3000
-10	.625	.500	.687	.199	1500	5.50	7000	3000
-12	.750	.625	.812	.246	1000	6.50	5000	2000
-16	1.000	.875	1.140	.517	1250	7.38	5000	2500
-20	1.250	1.125	1.390	.622	1000	11.00	4000	2000
-24	1.500	1.375	1.707	.972	1000	14.00	4000	2000

NOTES:

- 1) End fittings mate with MS33656 type connectors.
- 2) Temperature Range: -65° to 450° F.
- 3) Hose Construction: Extruded tetrafluorethylene resin complete with reinforcement of braided corrosion-resistant steel wires in conformance to MIL-H-27267.
- 4) Hose assys to meet requirements of TSO C53 Type B.
- 5) The supplier's quality system shall meet, as a minimum, the requirements of MIL-I-45208 and DND 1016.
- 6) All hose assys shall be capped at each end.
- 7) Hose assys have unlimited shelf life, therefore no reinspection stamp required.
- 8) A certificate of compliance must accompany each shipment.

NOTES CONT'D ON SHT 2 OF 2

TYPICAL SUPPLIER NUMBERING SYSTEMS

FOR STYLES A, B & C

SUPPLIER	BASIC HOSE ASSY NUMBER	STYLE	SIZE	LENGTH	
DE HAVILLAND	DSC 414	B	4	0185	(18-5/8")
AEROQUIP	AE3660060	—	E	0185	
STRATOFLEX					

FOR STYLES D, E & F

SUPPLIER	BASIC HOSE ASSY NUMBER	STYLE	SIZE	LENGTH	TWIST ANGLE
DE HAVILLAND	DSC 414	F	4	0185	180
AEROQUIP	AE6040	—	E	0185	-180
STRATOFLEX					

DASH SIZE	4	6	8	10	12	16	20	24	32
AEROQUIP	E	G	H	J	K				

REQUIREMENTS-UNLESS OTHERWISE SPECIFIED

GENERAL	LIMITS
1. DIMS ARE IN INCHES	1. DECIMALS
2. SURFACE ROUGHNESS 125 $\sqrt{\text{MAX}}$	1 PLACE $\pm .1$
3. REMOVE SHARP EDGES	2 " $\pm .00$
4. 913 MACHINE PARTS	3 " $\pm .010$
5. EDGE FINISHING OF PARTS IN ACCORDANCE WITH P.P.S. 37-82	2. DIMENSIONS & TOLERANCES APPLY AFTER PLATING
6. THREADS IN ACCORDANCE WITH MIL-S-7742	3. ANGLES $\pm 0^{\circ}30'$

SOURCE CONTROL DRAWING

Only the item(s) listed on this drawing and identified by vendor's name(s), address(es) and part number(s) have been approved by the de Havilland Aircraft Company of Canada for use in DHC aircraft. A substitute item shall not be used without prior approval by the de Havilland Aircraft Company of Canada.

de HAVILLAND
A BOEING COMPANY
CANADA

DRAWN	GILCHRIST 11/Nov/87
CHECKED	P. LAM 8 APR 93
APPROVED	13 Apr 93
MTL & STDS	Ron Kamp 13 APR 93
STRESS	
CH. DRAFTN.	

DRAWING TITLE HOSE ASSY FUEL & ENGINE OIL

MEDIUM PRESSURE, -65° F TO 450° F

TSO-C53A TYPE B

REPORT ALL DRAWING ERRORS
TO ENGINEERING

DWG SIZE	CODE IDENT NO.	DRAWING NO.	RELEASE	REV.
B	71867	DSC 414		-
SCALE	WGT CALC	ACTUAL	SHEET 1	of 2

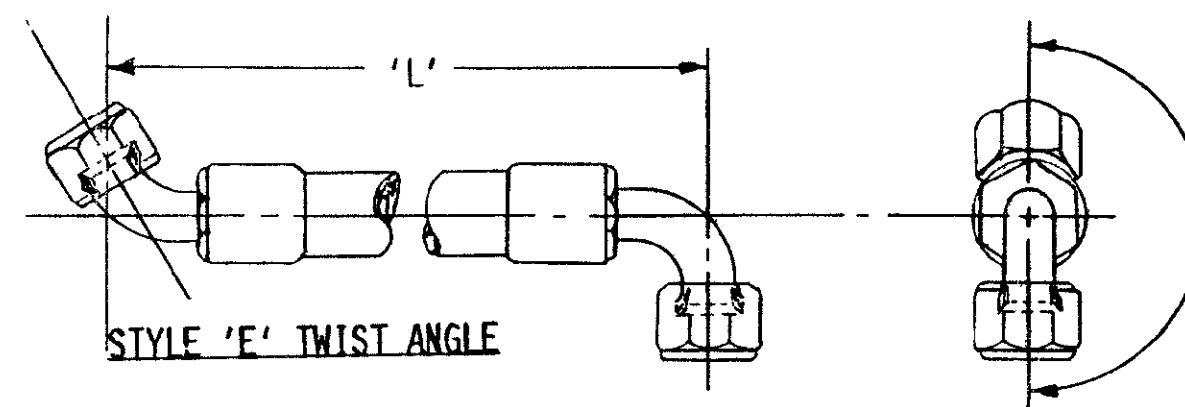
STYLE	VENDOR	BASIC ASSY NUMBER
 STYLE "A"	AEROQUIP STRATOFLEX	AE 1002208 AE 3660000
 STYLE "B"	AEROQUIP STRATOFLEX	AE 3660060
 STYLE "C"	AEROQUIP STRATOFLEX	AE 3660120
 STYLE "D"	AEROQUIP STRATOFLEX	AE 6000
 STYLE "E"	AEROQUIP STRATOFLEX	AE 6020
 STYLE "F"	AEROQUIP STRATOFLEX	AE 6040

NOTES CONT'D:

- 9) The DSC, manufacturer's and TSO numbers must be stamped on a stainless steel band which will be permanently fastened to the hose assy.
- 10) Dimensional Inspection Checks:
 - a) Assy size outside diameter
 - b) Length of assy (designated by 'L')
 - c) Twist angle (for styles D, E, and F only)

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REVISIONS				
CHANGE	ITEM NO	DESCRIPTION		
DATE	DRAWN	CHECKED	STRESS	APPROVED



STYLE 'E' TWIST ANGLE

ANGLE ORIENTATION MEASURED IN DEGREES
ANTI-CLOCKWISE IN 5° INCREMENTS PLACING
NEAREST FITTING IN A SIX O'CLOCK POSITION
AND USING IT AS THE DATUM.

ANGLE IS EXPRESSED IN 3 DIGITS, I.E. 35° IS 035.

"L" IS EXPRESSED IN TERMS OF 4 DIGITS WITH LAST DIGIT EXPRESSING
FRACTION OF AN INCH IN EIGHTS I.E. 18-5/8" = 0185.

REQUIREMENTS-UNLESS OTHERWISE SPECIFIED				SOURCE CONTROL DRAWING				
GENERAL		LIMITS						
1 DIMS ARE IN INCHES	1 DECIMALS	1 PLACE ± 1		Only the item(s) listed on this drawing and identified by vendor's name(s), address(es) and part number(s) have been approved by the de Havilland Aircraft Company of Canada for use in DHC aircraft. A substitute item shall not be used without prior approval by the de Havilland Aircraft Company of Canada.				
2 SURFACE ROUGHNESS 125 ✓ MAX	2 " ± 0.00	3 " ± 0.010						
3 REMOVE SHARP EDGES	2 DIMENSIONS & TOLERANCES APPLY AFTER PLATING	2 ANGLES ± 0°-30'						
4 BITE MACHINE PARTS								
5 EDGE FINISHING OF PARTS IN ACCORDANCE WITH P.P.S. 27-62								
6 THREADS IN ACCORDANCE WITH MIL-S-7743				de HAVILLAND A BOEING COMPANY CANADA				
DRAWN: GILCHRIST 11/Nov/87 CHECKED: P. LAM 8 APR 93 APPROVED: J. L. BARRY 13 Apr 93 MTL & STDS: R. B. K. 13 Apr 93 STRESS: — CH DRAFTN: —				DRAWING TITLE: HOSE ASSY FUEL & ENGINE MEDIUM PRESSURE, -65°F TO 450°F TSO-C53A TYPE C				
REPORT ALL DRAWING ERRORS TO ENGINEERING				DWG SIZE	CODE IDENT NO	DRAWING NO	RELEASE	REV
				B	71867	DSC 414		-
				SCALE	WGT CALC	ACTUAL	SHEET	
							2 of 2	