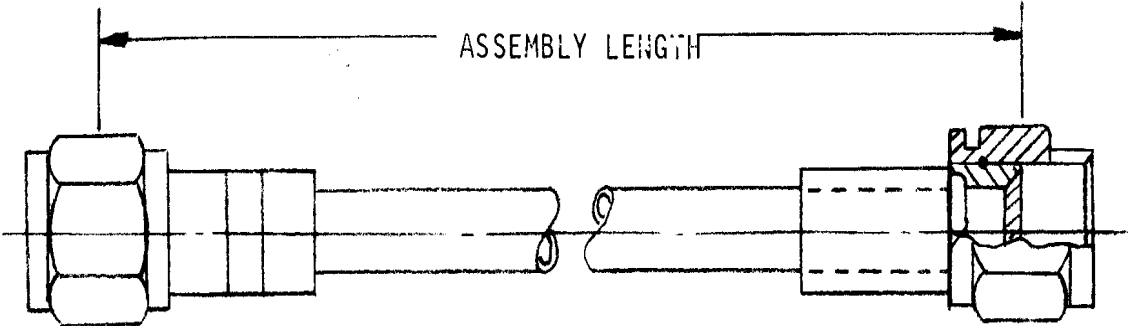


F

REDRAWN WAS ORIGINALLY A 'B' SIZE DRAWING.
DIMENSIONS CHANGED PER HYDRAFLOW REQUEST. (REF. RFC 333150)

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CAGE CODE 71867
DSC STANDARD



PART NUMBER	NOM SIZE	HOSE I.D. REF	O.D. MAX	MIN. BEND RAD (INCHES)	OPER PSI	PROOF PSI	MIN BURST PSI	WEIGHT LB/FT NOM REF	APPROVED VENDORS	
									HYDRAFLOW	
DSC 166-4	1/4	.250	.425	.500	125	250	500	.041	*389XX-4	
-5	5/16	.312	.495	.625	125	250	500	.059	389XX-5	
-6	3/8	.375	.560	.750	125	250	500	.074	389XX-6	
-8	1/2	.500	.710	1.000	125	250	500	.096	389XX-8	
-10	5/8	.625	.850	1.500	175	350	700	.088		
-12	3/4	.750	.990	2.000	175	350	700	.107		
-16	1	1.000	1.260	3.000	175	350	700	.160		

*X DENOTES PART NUMBER VARIABLE

SEE ENGINEERING STANDARDS APPROVAL RECORD FOR ORIGINAL SIGNATURES AND CHANGE SUMMARY

DRAWN	KROMKAMP
CHECKED	LINTS
STRESSED	—
APPROVED	PALKA

FLEXIBLE HOSE ASSEMBLY
OXYGEN - LOW PRESSURE

DSC 166
SHEET: 1 of 4

de HAVILLAND

CAGE CODE 71867

DSC STANDARD

NOTES:

1. Procurement department shall specify the DSC and the Manufacture's part number on Purchase Order.
2. End fittings mate with MS 33656 type connectors.
3. End fittings to be aluminum alloy, anodized.
4. Inner core, triple ply teflon with super flexible convolutions or clear polyvinyl chloride (PVC).
5. Hose assembly oper. temp. = -40°F to 160°F.
6. Reinforced with high temperature Nomex nylon braid (green for O₂).
7. All hose assemblies shall be tested dry without benefit of lubricant on mating surfaces.
8. All hoses are to be cleaned, capped and packaged to Hydraflow Standard EP09
9. Quality Control inspection requirements shall comply with the requirements of SAE AS9100
10. All hose assemblies shall be identified by the manufacturer installing a tight fitting permanently attached band around the hose body, showing manufacturer's and DSC part number and assembly date.
11. Assembly length tolerances:
 - under 18 inches.....+/-3/16 inch
 - 18 to 36 inches.....+/-1/4 inch
 - over 36 to 50 inches....+/-3/8 inch
 - over 50 inches.....+/-1%

SEE ENGINEERING STANDARDS APPROVAL RECORD FOR ORIGINAL SIGNATURES AND CHANGE SUMMARY

DRAWN	KROMKAMP	FLEXIBLE HOSE ASSEMBLY OXYGEN - LOW PRESSURE	DSC 166
CHECKED	LINTS		
STRESSED	-		SHEET: 2 of 4
APPROVED	PALKA		

F REDRAWN WAS ORIGINALLY A 'B' SIZE DRAWING.
DIMENSIONS CHANGED PER HYDRAFLOW REQUEST. (REF. RFC 333150)

APPROVED: 12 MAR 74 | REV: F - 08 JUN 2006



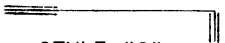

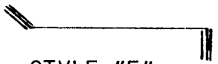
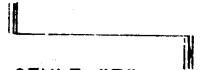
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STYLE	VENDOR	BASIC ASSY NUMBER
 STYLE "A"	HYDRAFLOW	38911
 STYLE "B"	HYDRAFLOW	38912
 STYLE "C"	HYDRAFLOW	38913
 STYLE "D"	HYDRAFLOW	38915
 STYLE "E"	HYDRAFLOW	38917
 STYLE "F"	HYDRAFLOW	38916

HYDRAFLOW 389 XX -X - XXXX - XXX
DE HAVILLAND DSC 166 X X - XXXX - XXX

TWISTED ANGLE FOR STYLES D, E & F ONLY,
I.E., 35° = 035
ASSY LENGTH: FIRST 3 DIGITS REPRESENTS
INCHES. LAST DIGIT REPRESENTS FRACTION OF
AN INCH EXPRESSED IN EIGHTHS,
I.E., 0185 = 18-5/8 INCHES
SIZE
STYLE (NOTE: FOR STYLE "A" USE A DASH ONLY)
BASIC PART NUMBER

NOTE: NO SPACES ALLOWED IN PART NUMBERS

SEE ENGINEERING STANDARDS APPROVAL RECORD FOR ORIGINAL SIGNATURES AND CHANGE SUMMARY

DRAWN	KROMKAMP	FLEXIBLE HOSE ASSEMBLY OXYGEN - LOW PRESSURE	DSC 166
CHECKED	LINTS		
STRESSED	-		SHEET: 3 of 4
APPROVED	PALKA		

F REDRAWN WAS ORIGINALLY A 'B' SIZE DRAWING.
DIMENSIONS CHANGED PER HYDRAFLOW REQUEST. (REF. RFC 333150)

REV: REV: REV: REV: REV: REV: F - 08 JUN 2006 REV: APPROVED: 12 MAR 74

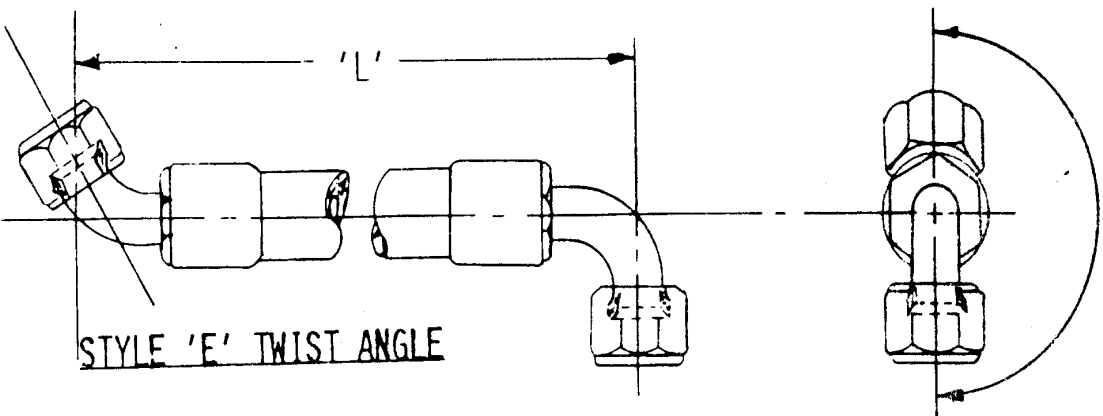
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STYLE 'E' TWIST ANGLE

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.

TWIST ANGLE TOLERANCE IS +/-5°.

SEE ENGINEERING STANDARDS APPROVAL RECORD FOR ORIGINAL SIGNATURES AND CHANGE SUMMARY

DRAWN	KROMKAMP	FLEXIBLE HOSE ASSEMBLY OXYGEN - LOW PRESSURE	DSC 166
CHECKED	LINTS		
STRESSED	-		
APPROVED	PALKA		

SHEET: 4 of 4

F REDRAWN WAS ORIGINALLY A 'B' SIZE DRAWING.
DIMENSIONS CHANGED PER HYDRAFLOW REQUEST. (REF. RFC 333150)

APPROVED: 12 MAR 74

REV: F - 08 JUN 2006

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