

## RATIONALE

AS1866 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

SAE AS1866

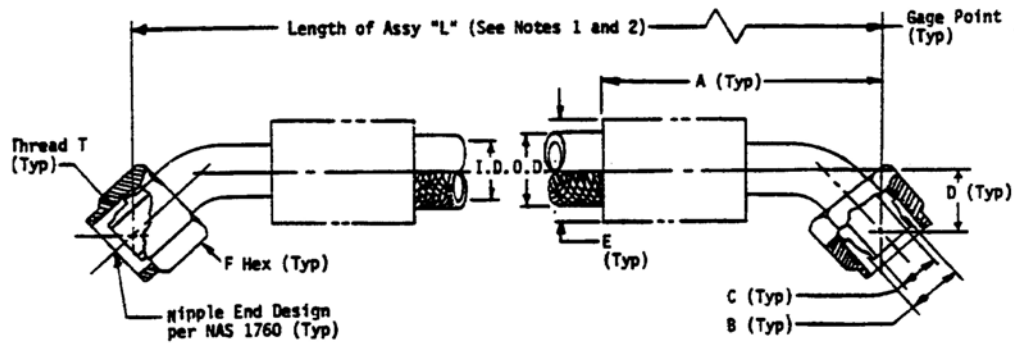


FIGURE 1

TABLE 1

HOSE SIZE DASH NUMBER	HOSE ASSEMBLY SIZE REF.	THREAD T PER MIL-S-8879 REF.	HOSE I.D. MIN.	HOSE O.D. MAX.	A MAX.	B GAGE DIA. BASIC	E 1/ MAX.	F HEX REF.
-03	.125	.3750-24 UNJF-3B	.125	.476		.2340	.627	.50
-04	.188	.4375-20 UNJF-3B	.188	.539	2.05	.2930	.690	.56
-05	.250	.5000-20 UNJF-3B	.250	.601	2.31	.3500	.752	.62
-06	.313	.5625-18 UNJF-3B	.313	.695	2.48	.4120	.877	.69
-08	.406	.7500-16 UNJF-3B	.406	.789	2.93	.5600	1.016	.88
-10	.500	.8750-14 UNJF-3B	.500	.945	3.24	.6730	1.235	1.00
-12	.625	1.0625-12 UNJ-3B	.625	1.101	4.00	.8100	1.360	1.25
-16	.875	1.3125-12 UNJ-3B	.875	1.265	3.71	1.0620	1.546	1.50
-20	1.125	1.6250-12 UNJ-3B	1.125	1.531		1.3160	1.921	1.81
-24	1.375	1.8750-12 UNJ-3B	1.375	1.781		1.5650	2.124	2.12

TABLE 2

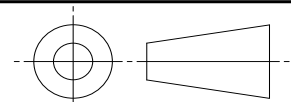
SIZE CODE	D		C MIN. DIA. THRU	END FITTING CORRECTION FACTOR FOR "END" TO "END"	
	MIN.	MAX.		45° ELBOW	45° ELBOW
-03			.073	.10	.10
-04	.35	.47	.123	.11	.11
-05	.42	.54	.170	.11	.11
-06	.47	.59	.232	.12	.12
-08	.51	.63	.350	.13	.13
-10	.61	.73	.450	.14	.14
-12	.81	.93	.575	.16	.16
-16	.84	.97	.781	.21	.21
-20			1.015	.21	.21
-24			1.250	.26	.26

TABLE 3

HOSE ASSEMBLY LENGTH	AVAILABLE INCREMENTS	TOLERANCE
UNDER 18 INCHES	(NOT LESS THAN) .125 INCH	(PLUS OR MINUS) .125 INCH
18 TO 36 INCHES	(NOT LESS THAN) .250 INCH	(PLUS OR MINUS) .250 INCH
36 TO 50 INCHES	(NOT LESS THAN) .500 INCH	(PLUS OR MINUS) .500 INCH
OVER 50 INCHES	(NOT LESS THAN) 1.000 INCH	(PLUS OR MINUS) 1 PERCENT

SAE values your input. To provide feedback  
on this Technical Report, please visit  
<http://www.sae.org/technical/standards/AS1866>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3D

PROCUREMENT SPECIFICATION MIL-H-8795

**SAE Aerospace**  
An SAE International Group

## AEROSPACE STANDARD

HOSE ASSEMBLY, RUBBER, FLARELESS,  
FIELD ATTACHABLE FITTING, 45° TO 45°

**SAE AS1866**  
SHEET 1 OF 2

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