

RATIONALE

AS1863 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

SAE AS1863

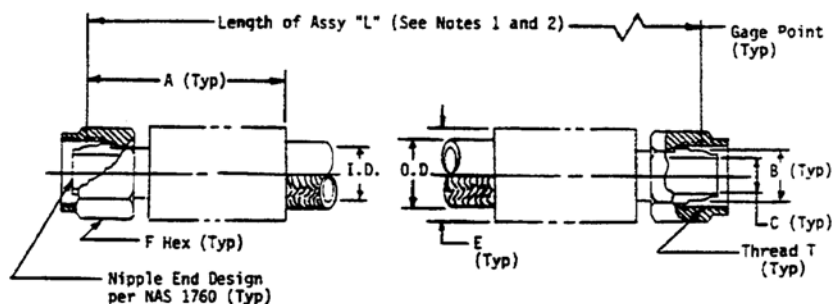


FIGURE 1

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	1.59	.2340	.627	.50
-04	.188	.4375-20 UNJF-3B	.188	.539	1.67	.2930	.690	.56
-05	.250	.5000-20 UNJF-3B	.250	.601	1.83	.3500	.752	.62
-06	.313	.5625-18 UNJF-3B	.313	.695	1.97	.4120	.877	.69
-08	.406	.7500-16 UNJF-3B	.406	.789	2.40	.5600	1.016	.88
-10	.500	.8750-14 UNJF-3B	.500	.945	2.68	.6730	1.235	1.00
-12	.625	1.0625-12 UNJ-3B	.625	1.101	3.01	.8100	1.360	1.25
-16	.875	1.3125-12 UNJ-3B	.875	1.265	2.85	1.0620	1.546	1.50
-20	1.125	1.6250-12 UNJ-3B	1.125	1.531	3.08	1.3160	1.921	1.81
-24	1.375	1.8750-12 UNJ-3B	1.375	1.781	3.36	1.5650	2.124	2.12

TABLE 2

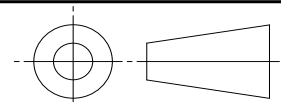
SIZE CODE	MIN. DIA. THRU	END FITTING CORRECTION FACTOR FOR "END" TO "END"	
		STRAIGHT	STRAIGHT
-03	.073	.14	.14
-04	.132	.16	.16
-05	.200	.16	.16
-06	.260	.16	.16
-08	.350	.19	.19
-10	.450	.20	.20
-12	.575	.23	.23
-16	.781	.30	.30
-20	1.015	.30	.30
-24	1.250	.36	.36

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

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on this Technical Report, please visit
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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, STRAIGHT TO STRAIGHT

SAE AS1863
SHEET 1 OF 2

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