

RATIONALE

1. REVISE FINISH NOTE 3 TO ALLOW ANODIZE RING OPTION FOR NO CODE PART NUMBERS AND CLARIFY THE INTENDED USAGE OF BLUE COLOR MARKING.
2. REVISE NOTE 13 AND 14 TO CLARIFY THE USAGE OF ANODIZE RINGS.
3. UPDATING STANDARD TO INCLUDE NEW CLASS "D" CODE TO DENOTE USE ON ALUMINUM TUBING. SEE NOTE 18 FOR DETAILS.
4. REVISE NOTE 4 TO CLARIFY PROCUREMENT. WORDING IN ACCORDANCE WITH AS5969 REVISION F.

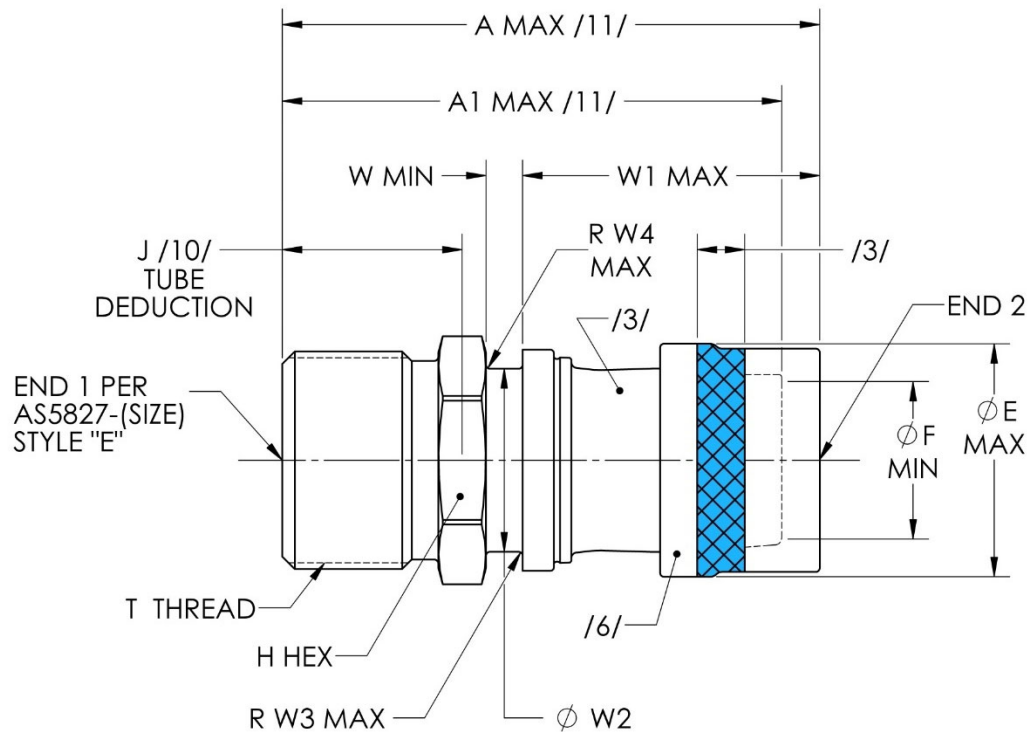
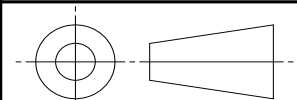


FIGURE 1 - STRAIGHT, MALE FLARELESS, AXIAL SWAGE

(SEE TABLES 1A AND 1B FOR DIMENSIONAL INFORMATION)

For more information on this standard, visit
<https://www.sae.org/standards/content/AS5975D>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS5958 /4/



AEROSPACE STANDARD

FITTING ASSEMBLY, STRAIGHT, MALE
FLARELESS, AXIALLY SWAGED,
HYDRAULIC, 5080 PSI

AS5975™
SHEET 1 OF 4

REV. D

Documents

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TABLE 1A - DIMENSIONS A THROUGH J

BASIC NO. AS5975 /13/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	A MAX	A1 MAX	E MAX	F MIN	(H)	J /10/ TUBE DEDUCT
0404	.2500	.2500	1.247	1.160	.466	.253	.438	.665 ±.150
0604	.3750	.2500	1.278	1.191	.466	.253	.563	.696 ±.150
0406	.2500	.3750	1.477	1.361	.609	.378	.563	.678 ±.150
0606	.3750	.3750	1.493	1.377	.609	.378	.563	.694 ±.150
0806	.5000	.3750	1.566	1.450	.609	.378	.750	.767 ±.150
0608	.3750	.5000	1.717	1.571	.783	.504	.750	.718 ±.175
0808	.5000	.5000	1.810	1.664	.783	.504	.750	.811 ±.175
1008	.6250	.5000	1.877	1.731	.783	.504	.875	.878 ±.175
0810	.5000	.6250	2.112	1.908	.939	.629	.875	.819 ±.175
1010	.6250	.6250	2.171	1.967	.939	.629	.875	.878 ±.175
1210	.7500	.6250	2.258	2.054	.939	.629	1.063	.965 ±.175
1012	.6250	.7500	2.346	2.141	1.122	.754	1.063	.909 ±.175
1212	.7500	.7500	2.391	2.186	1.122	.754	1.063	.954 ±.175
1612	1.0000	.7500	2.435	2.230	1.122	.754	1.313	.998 ±.175
1216	.7500	1.0000	2.733	2.519	1.495	1.004	1.313	1.005 ±.200
1616	1.0000	1.0000	2.697	2.483	1.495	1.004	1.313	.969 ±.200
2016	1.2500	1.0000	2.733	2.519	1.495	1.004	1.625	1.005 ±.200
1620	1.0000	1.2500	3.025	2.801	1.758	1.255	1.625	1.014 ±.200
2020	1.2500	1.2500	2.999	2.775	1.758	1.255	1.625	.988 ±.200

TABLE 1B - DIMENSIONS W THROUGH W4 AND WEIGHTS

BASIC NO. AS5975 /13/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	T THREAD PER AS8879	W MIN	W1 MAX	W2 ±.0015	W3 MAX	W4 MAX	WEIGHT LB/EA APPROX REF
0404	.2500	.2500	.4375-28 UNJEF-3A	.123	.488	.3005	.018	.065	.017
0604	.3750	.2500	.5625-24 UNJEF-3A	.123	.488	.3005	.018	.065	.024
0406	.2500	.3750	.4375-28 UNJEF-3A	.153	.675	.4475	.033	.065	.026
0606	.3750	.3750	.5625-24 UNJEF-3A	.153	.675	.4475	.033	.065	.029
0806	.5000	.3750	.7500-20 UNJEF-3A	.153	.675	.4475	.033	.065	.047
0608	.3750	.5000	.5625-24 UNJEF-3A	.165	.871	.5945	.033	.065	.045
0808	.5000	.5000	.7500-20 UNJEF-3A	.165	.871	.5945	.033	.129	.063
1008	.6250	.5000	.8750-20 UNJEF-3A	.165	.871	.5945	.033	.129	.072
0810	.5000	.6250	.7500-20 UNJEF-3A	.140	1.190	.7365	.021	.078	.082
1010	.6250	.6250	.8750-20 UNJEF-3A	.140	1.190	.7365	.021	.078	.100
1210	.7500	.6250	1.0625-18 UNJEF-3A	.140	1.190	.7365	.021	.078	.120
1012	.6250	.7500	.8750-20 UNJEF-3A	.154	1.327	.8805	.024	.089	.132
1212	.7500	.7500	1.0625-18 UNJEF-3A	.154	1.327	.8805	.024	.089	.140
1612	1.0000	.7500	1.3125-16 UNJ-3A	.154	1.327	.8805	.024	.089	.180
1216	.7500	1.0000	1.0625-18 UNJEF-3A	.167	1.612	1.1725	.027	.099	.260
1616	1.0000	1.0000	1.3125-16 UNJ-3A	.167	1.612	1.1725	.027	.099	.260
2016	1.2500	1.0000	1.6250-16 UNJ- 3A	.167	1.612	1.1725	.027	.099	.325
1620	1.0000	1.2500	1.3125-16 UNJ-3A	.185	1.886	1.4345	.030	.113	.355
2020	1.2500	1.2500	1.6250-16 UNJ- 3A	.185	1.886	1.4345	.030	.113	.375