

REV.
C

AS5976™

FEDERAL SUPPLY CLASS
4730

RATIONALE

1. REVISE FINISH NOTE 3 TO ALLOW ANODIZE RING OPTION FOR NO CODE PART NUMBERS AND CLARIFY INTENDED USAGE OF BLUE COLOR MARKING.
2. REVISE NOTE 15 AND 16 TO CLARIFY THE USAGE OF ANODIZE RINGS.
3. UPDATING STANDARD TO INCLUDE NEW CLASS "D" CODE TO DENOTE USE ON ALUMINUM TUBING. SEE NOTE 19 FOR DETAILS.
4. REVISE NOTE 4 TO CLARIFY PROCUREMENT. WORDING IN ACCORDANCE WITH AS5969 REVISION F.

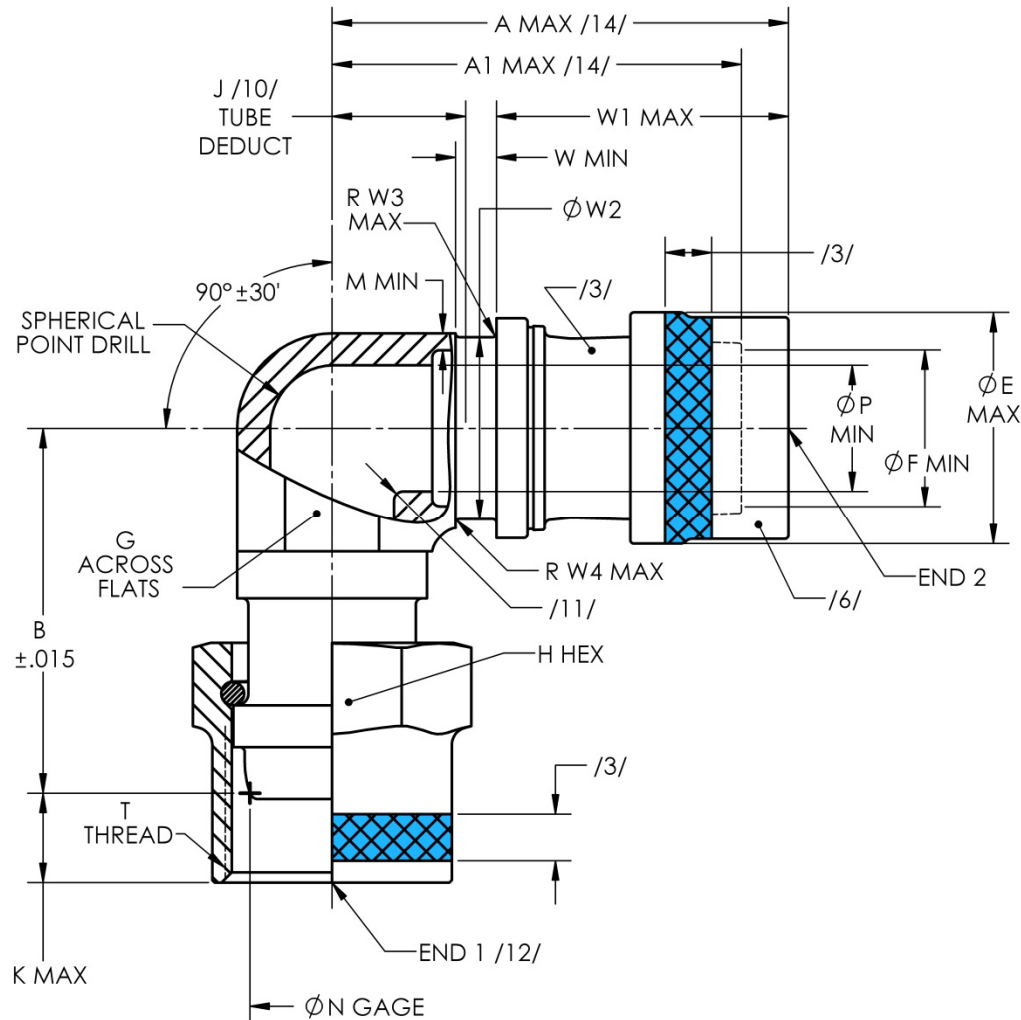
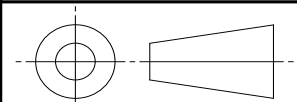


FIGURE 1 - ELBOW 90°, FEMALE FLARELESS, AXIAL SWAGE

(SEE TABLES 1A AND 2B FOR DIMENSIONS AND WEIGHTS)

For more information on this standard, visit
<https://www.sae.org/standards/content/AS5976C>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS5958 /4/



AEROSPACE STANDARD

FITTING ASSEMBLY, ELBOW, 90°,
FEMALE FLARELESS, AXIALLY SWAGED,
HYDRAULIC, 5080 PSI

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TABLE 1A - DIMENSIONS A THROUGH K

BASIC NO. AS5976 /15/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	A MAX	A1 MAX	B ±.015	E MAX	F MIN	G	(H)	J /10/ TUBE DEDUCT	K MAX		
0404	.2500	.2500	.935	.848	.878	.466	.253	.348-	.380	.563	.353	±.150	.325
0604	.3750	.2500	.998	.911	1.040	.466	.253	.477-	.509	.688	.416	±.150	.337
0406	.2500	.3750	1.215	1.099	.937	.609	.378	.477-	.509	.563	.416	±.150	.325
0606	.3750	.3750	1.215	1.099	1.040	.609	.378	.477-	.509	.688	.416	±.150	.337
0806	.5000	.3750	1.308	1.192	1.229	.609	.378	.615-	.647	.875	.509	±.150	.380
0608	.3750	.5000	1.516	1.370	1.133	.783	.504	.615-	.647	.688	.517	±.175	.337
0808	.5000	.5000	1.516	1.370	1.229	.783	.504	.615-	.647	.875	.517	±.175	.380
1008	.6250	.5000	1.579	1.433	1.435	.783	.504	.751-	.783	1.000	.580	±.175	.418
1208	.7500	.5000	1.704	1.558	1.578	.783	.504	.893-	.925	1.250	.705	±.175	.433
0810	.5000	.6250	1.873	1.669	1.310	.939	.629	.751-	.783	.875	.580	±.175	.380
1010	.6250	.6250	1.873	1.669	1.435	.939	.629	.751-	.783	1.000	.580	±.175	.418
1210	.7500	.6250	1.998	1.794	1.592	.939	.629	.893-	.925	1.250	.705	±.175	.433
1012	.6250	.7500	2.149	1.944	1.560	1.122	.754	.893-	.925	1.000	.712	±.175	.418
1212	.7500	.7500	2.149	1.944	1.592	1.122	.754	.893-	.925	1.250	.712	±.175	.433
1612	1.0000	.7500	2.308	2.103	1.862	1.122	.754	1.181-	1.213	1.500	.871	±.175	.447
1216	.7500	1.0000	2.606	2.392	1.766	1.495	1.004	1.181-	1.213	1.250	.878	±.200	.433
1616	1.0000	1.0000	2.606	2.392	1.862	1.495	1.004	1.181-	1.213	1.500	.878	±.200	.447
2016	1.2500	1.0000	2.728	2.514	2.024	1.495	1.004	1.609-	1.641	2.000	1.000	±.200	.460
1620	1.0000	1.2500	3.020	2.796	1.998	1.758	1.255	1.609-	1.641	1.500	1.009	±.200	.447
2020	1.2500	1.2500	3.020	2.796	2.024	1.758	1.255	1.609-	1.641	2.000	1.009	±.200	.460

TABLE 1B - DIMENSIONS M THROUGH W4 AND WEIGHTS

BASIC NO. AS5976 /15/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	M MIN	N GAGE	P MIN	T THREAD PER AS8879	W MIN	W1 MAX	W2 ±.0015	W3 MAX	W4 MAX	WEIGHT LB/EA APPROX REF
0404	.2500	.2500	.043	.2930	.198	.4375-28 UNJEF-3B	.123	.488	.3005	.018	.065	.034
0604	.3750	.2500	.045	.4160	.198	.5625-24 UNJEF-3B	.123	.488	.3005	.018	.065	.051
0406	.2500	.3750	.045	.2930	.302	.4375-28 UNJEF-3B	.153	.675	.4475	.033	.065	.050
0606	.3750	.3750	.045	.4160	.302	.5625-24 UNJEF-3B	.153	.675	.4475	.033	.065	.060
0806	.5000	.3750	.052	.5600	.302	.7500-20 UNJEF-3B	.153	.675	.4475	.033	.065	.098
0608	.3750	.5000	.052	.4160	.401	.5625-24 UNJEF-3B	.165	.871	.5945	.033	.129	.088
0808	.5000	.5000	.052	.5600	.401	.7500-20 UNJEF-3B	.165	.871	.5945	.033	.129	.111
1008	.6250	.5000	.057	.6860	.401	.8750-20 UNJEF-3B	.165	.871	.5945	.033	.129	.157
1208	.7500	.5000	.065	.8100	.401	1.0625-18 UNJEF-3B	.165	.871	.5945	.033	.129	.240
0810	.5000	.6250	.057	.5600	.507	.7500-20 UNJEF-3B	.140	1.190	.7365	.021	.078	.153
1010	.6250	.6250	.057	.6860	.507	.8750-20 UNJEF-3B	.140	1.190	.7365	.021	.078	.169
1210	.7500	.6250	.065	.8100	.507	1.0625-18 UNJEF-3B	.140	1.190	.7365	.021	.078	.246
1012	.6250	.7500	.065	.6860	.604	.8750-20 UNJEF-3B	.154	1.327	.8805	.024	.089	.237
1212	.7500	.7500	.065	.8100	.604	1.0625-18 UNJEF-3B	.154	1.327	.8805	.024	.089	.265
1612	1.0000	.7500	.084	1.0620	.604	1.3125-16 UNJ-3B	.154	1.327	.8805	.024	.089	.423
1216	.7500	1.0000	.084	.8100	.802	1.0625-18 UNJEF-3B	.167	1.612	1.1725	.027	.099	.471
1616	1.0000	1.0000	.084	1.0620	.802	1.3125-16 UNJ-3B	.167	1.612	1.1725	.027	.099	.488
2016	1.2500	1.0000	.174	1.3160	.802	1.6250-16 UNJ-3B	.167	1.612	1.1725	.027	.099	.920
1620	1.0000	1.2500	.174	1.0620	1.011	1.3125-16 UNJ-3B	.185	1.886	1.4345	.030	.113	.808
2020	1.2500	1.2500	.174	1.3160	1.011	1.6250-16 UNJ-3B	.185	1.886	1.4345	.030	.113	.945



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FITTING ASSEMBLY, ELBOW, 90°,
FEMALE FLARELESS, AXIALLY SWAGED,
HYDRAULIC, 5080 PSI

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