

REV.
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AS5971™

FEDERAL SUPPLY CLASS
4730

RATIONALE

1. REVISE FINISH NOTE 3 TO ALLOW ANODIZE RING OPTION FOR NO CODE AND "A" CODE PART NUMBERS AND CLARIFY THE INTENDED USAGE OF BLUE COLOR MARKING.
2. REVISE NOTE 13 AND 15 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.

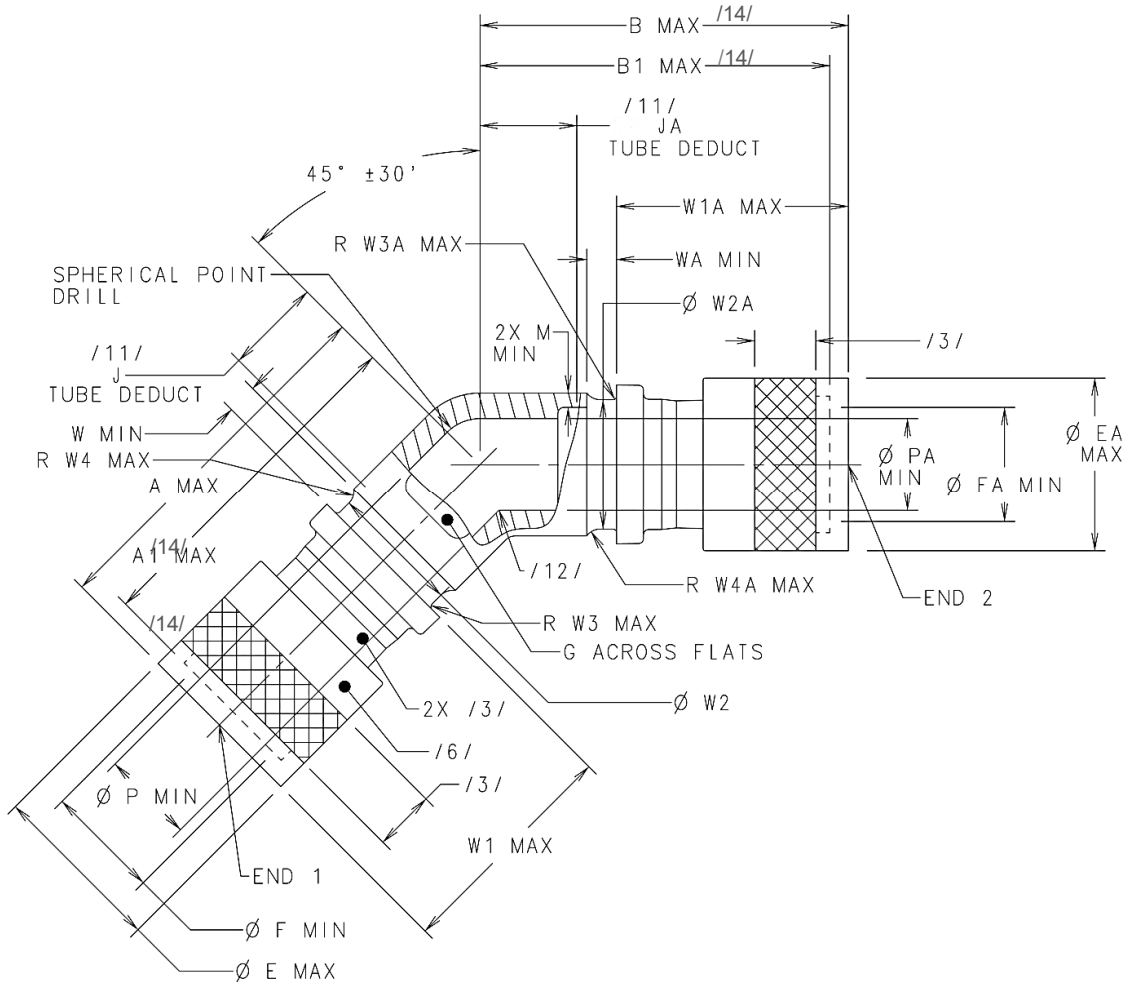
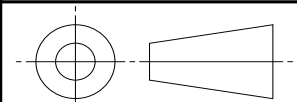


FIGURE 1 - ELBOW, 45°, AXIAL SWAGE

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

For more information on this standard, visit
<https://www.sae.org/standards/content/AS5971D/>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS5958 /4/



AEROSPACE STANDARD

FITTING ASSEMBLY, ELBOW,
45°, AXIALLY SWAGED,
HYDRAULIC, 5080 PSI

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TABLE 1A - DIMENSIONS A THRU G

BASIC NO. AS5971 /13/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	A MAX	A1 MAX	B MAX	B1 MAX	E MAX	EA MAX	F MIN	FA MIN	G
0404	.2500	.2500	.934	.847	.934	.847	.466	.466	.253	.253	.380/ .348
0604	.3750	.2500	1.230	1.114	1.013	.926	.609	.466	.378	.253	.509/ .477
0606	.3750	.3750	1.230	1.114	1.230	1.114	.609	.609	.378	.378	.509/ .477
0806	.5000	.3750	1.477	1.331	1.269	1.153	.783	.609	.504	.378	.647/ .615
0808	.5000	.5000	1.477	1.331	1.477	1.331	.783	.783	.504	.504	.647/ .615
1008	.6250	.5000	1.850	1.646	1.556	1.410	.939	.783	.629	.504	.783/ .751
1010	.6250	.6250	1.850	1.646	1.850	1.646	.939	.939	.629	.629	.783/ .751
1210	.7500	.6250	2.080	1.875	1.929	1.725	1.122	.939	.754	.629	.925/ .893
1212	.7500	.7500	2.080	1.875	2.080	1.875	1.122	1.122	.754	.754	.925/ .893
1612	1.0000	.7500	2.496	2.282	2.198	1.993	1.495	1.122	1.004	.754	1.213/1.181
1616	1.0000	1.0000	2.496	2.282	2.496	2.282	1.495	1.495	1.004	1.004	1.213/1.181
2016	1.2500	1.0000	2.965	2.741	2.673	2.459	1.758	1.495	1.255	1.004	1.641/1.609
2020	1.2500	1.2500	2.965	2.741	2.965	2.741	1.758	1.758	1.255	1.255	1.641/1.609

TABLE 1B - DIMENSIONS J THRU WA

BASIC NO. AS5971 /13/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	J /11/ TUBE DEDUCT	JA /11/ TUBE DEDUCT	M MIN	P MIN	PA MIN	W MIN	WA MIN
0404	.2500	.2500	.352 ±.150	.352 ±.150	.043	.198	.198	.123	.123
0604	.3750	.2500	.431 ±.150	.431 ±.150	.045	.302	.198	.153	.123
0606	.3750	.3750	.431 ±.150	.431 ±.150	.045	.302	.302	.153	.153
0806	.5000	.3750	.478 ±.175	.470 ±.150	.052	.401	.302	.165	.153
0808	.5000	.5000	.478 ±.175	.478 ±.175	.052	.401	.401	.165	.165
1008	.6250	.5000	.557 ±.175	.557 ±.175	.057	.507	.401	.140	.165
1010	.6250	.6250	.557 ±.175	.557 ±.175	.057	.507	.507	.140	.140
1210	.7500	.6250	.643 ±.175	.636 ±.175	.065	.604	.507	.154	.140
1212	.7500	.7500	.643 ±.175	.643 ±.175	.065	.604	.604	.154	.154
1612	1.0000	.7500	.768 ±.200	.761 ±.175	.084	.802	.604	.167	.154
1616	1.0000	1.0000	.768 ±.200	.768 ±.200	.084	.802	.802	.167	.167
2016	1.2500	1.0000	.954 ±.200	.945 ±.200	.174	1.011	.802	.185	.167
2020	1.2500	1.2500	.954 ±.200	.954 ±.200	.174	1.011	1.011	.185	.185



AEROSPACE STANDARD

FITTING ASSEMBLY, ELBOW,
45°, AXIALLY SWAGED,
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