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REV.
B

AS5791™

FEDERAL SUPPLY CLASS
4730

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 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.
4. REVISE NOTE 4 TO CLARIFY PROCUREMENT. WORDING IN ACCORDANCE WITH AS5969 REVISION F.

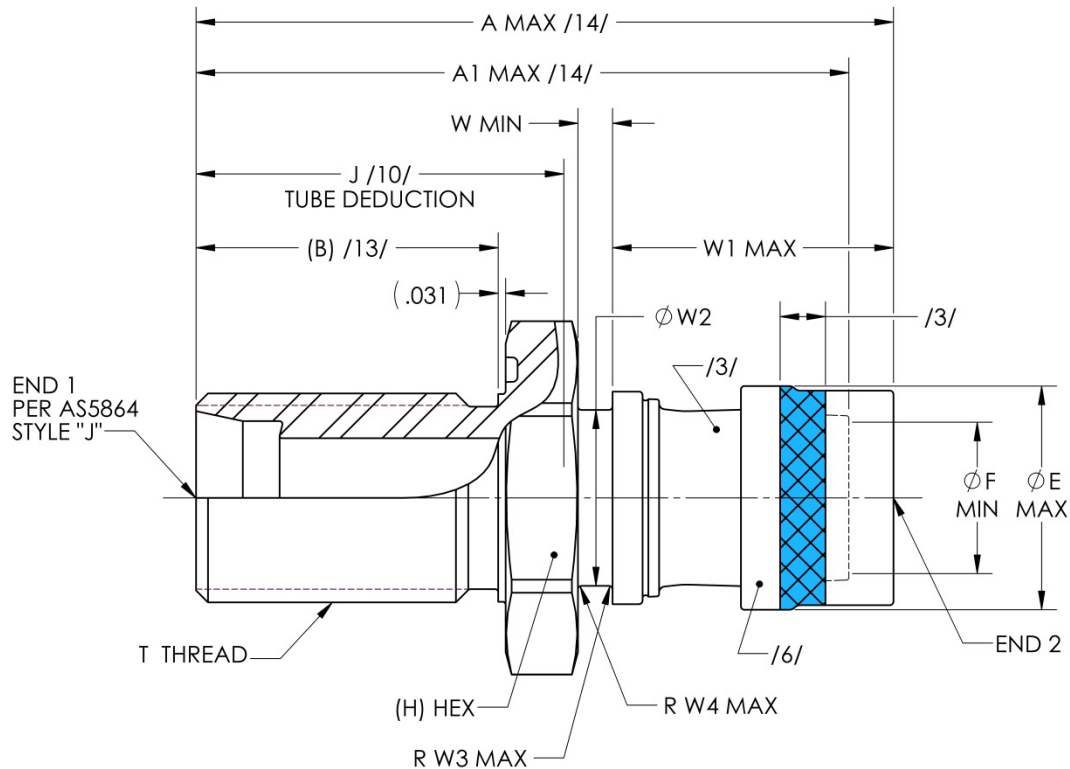
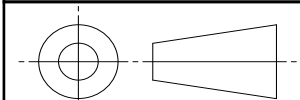


FIGURE 1 - STRAIGHT, BULKHEAD FLARELESS, AXIAL SWAGE

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

For more information on this standard, visit
<https://www.sae.org/standards/content/AS5791B>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3

PROCUREMENT SPECIFICATION: AS5958 /4/



AEROSPACE STANDARD

FITTING ASSEMBLY, STRAIGHT,
BULKHEAD FLARELESS,
AXIALLY SWAGED, HYDRAULIC, 3000 PSI

AS5791™
SHEET 1 OF 5

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TABLE 1A - DIMENSIONS A THROUGH H

BASIC NO. AS5791/13/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	A MAX STANDARD LENGTH	A1 MAX STANDARD LENGTH	A MAX EXTENDED LENGTH	A1 MAX EXTENDED LENGTH	(B) STANDARD LENGTH	(B) EXTENDED LENGTH	E MAX	F MIN	(H)
0404	.2500	.2500	1.857	1.770	2.857	2.770	.938	1.938	.466	.253	.875
0604	.3750	.2500	1.923	1.836	2.923	2.836	.984	1.984	.466	.253	1.000
0406	.2500	.3750	2.094	1.978	3.094	2.978	.938	1.938	.609	.378	.875
0606	.3750	.3750	2.140	2.024	3.140	3.024	.984	1.984	.609	.378	1.000
0806	.5000	.3750	2.296	2.180	3.296	3.180	1.125	2.125	.609	.378	1.188
0608	.3750	.5000	2.363	2.217	3.363	3.217	.984	1.984	.783	.504	1.000
0808	.5000	.5000	2.504	2.358	3.504	3.358	1.125	2.125	.783	.504	1.188
1008	.6250	.5000	2.660	2.514	3.660	3.514	1.266	2.266	.783	.504	1.312
0810	.5000	.6250	2.813	2.609	3.813	3.609	1.125	2.125	.939	.629	1.188
1010	.6250	.6250	2.954	2.750	3.954	3.750	1.266	2.266	.939	.629	1.312
1210	.7500	.6250	3.083	2.879	4.083	3.879	1.375	2.375	.939	.629	1.500
1012	.6250	.7500	3.125	2.920	4.125	3.920	1.266	2.266	1.122	.754	1.312
1212	.7500	.7500	3.234	3.029	4.234	4.029	1.375	2.375	1.122	.754	1.500
1612	1.0000	.7500	3.254	3.049	4.254	4.049	1.375	2.375	1.122	.754	1.875
1216	.7500	1.0000	3.552	3.338	4.552	4.338	1.375	2.375	1.495	1.004	1.500
1616	1.0000	1.0000	3.552	3.338	4.552	4.338	1.375	2.375	1.495	1.004	1.875
2016	1.2500	1.0000	3.617	3.403	4.617	4.403	1.375	2.375	1.495	1.004	2.188
1620	1.0000	1.2500	3.919	3.695	4.919	4.695	1.375	2.375	1.758	1.255	1.875
2020	1.2500	1.2500	3.919	3.695	4.919	4.695	1.375	2.375	1.758	1.255	2.188

TABLE 1B - DIMENSIONS J THROUGH W4

BASIC NO. AS5791 /13/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	J /10/ TUBE DEDUCT STANDARD LENGTH	J /10/ TUBE DEDUCT EXTENDED LENGTH	T THREAD PER AS8879	W MIN	W1 MAX	W2 ±.0015	W3 MAX	W4 MAX
0404	.2500	.2500	1.275 ±.150	2.275 ±.150	.4375-20 UNJF-3A	.123	.488	.3005	.018	.065
0604	.3750	.2500	1.341 ±.150	2.341 ±.150	.5625-18 UNJF-3A	.123	.488	.3005	.018	.065
0406	.2500	.3750	1.295 ±.150	2.295 ±.150	.4375-20 UNJF-3A	.153	.675	.4475	.033	.065
0606	.3750	.3750	1.341 ±.150	2.341 ±.150	.5625-18 UNJF-3A	.153	.675	.4475	.033	.065
0806	.5000	.3750	1.497 ±.150	2.497 ±.150	.7500-16 UNJF-3A	.153	.675	.4475	.033	.065
0608	.3750	.5000	1.364 ±.175	2.364 ±.175	.5625-18 UNJF-3A	.165	.871	.5945	.033	.129
0808	.5000	.5000	1.505 ±.175	2.505 ±.175	.7500-16 UNJF-3A	.165	.871	.5945	.033	.129
1008	.6250	.5000	1.661 ±.175	2.661 ±.175	.8750-14 UNJF-3A	.165	.871	.5945	.033	.129
0810	.5000	.6250	1.520 ±.175	2.520 ±.175	.7500-16 UNJF-3A	.140	1.190	.7365	.021	.078
1010	.6250	.6250	1.661 ±.175	2.661 ±.175	.8750-14 UNJF-3A	.140	1.190	.7365	.021	.078
1210	.7500	.6250	1.790 ±.175	2.790 ±.175	1.0625-12 UNJ-3A	.140	1.190	.7365	.021	.078
1012	.6250	.7500	1.688 ±.175	2.688 ±.175	.8750-14 UNJF-3A	.154	1.327	.8805	.024	.089
1212	.7500	.7500	1.797 ±.175	2.797 ±.175	1.0625-12 UNJ-3A	.154	1.327	.8805	.024	.089
1612	1.0000	.7500	1.817 ±.175	2.817 ±.175	1.3125-12 UNJ-3A	.154	1.327	.8805	.024	.089
1216	.7500	1.0000	1.824 ±.200	2.824 ±.200	1.0625-12 UNJ-3A	.167	1.612	1.1725	.027	.099
1616	1.0000	1.0000	1.824 ±.200	2.824 ±.200	1.3125-12 UNJ-3A	.167	1.612	1.1725	.027	.099
2016	1.2500	1.0000	1.889 ±.200	2.889 ±.200	1.6250-12 UNJ-3A	.167	1.612	1.1725	.027	.099
1620	1.0000	1.2500	1.908 ±.200	2.908 ±.200	1.3125-12 UNJ-3A	.185	1.886	1.4345	.030	.113
2020	1.2500	1.2500	1.908 ±.200	2.908 ±.200	1.6250-12 UNJ-3A	.185	1.886	1.4345	.030	.113

	AEROSPACE STANDARD	AS5791™ SHEET 2 OF 5 	REV. B
	FITTING ASSEMBLY, STRAIGHT, BULKHEAD FLARELESS, AXIALLY SWAGED, HYDRAULIC, 3000 PSI		



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