

RATIONALE

NEW STANDARD FOR OPERATING PRESSURES UP TO AND INCLUDING 5080 PSI RESOLVING COMMENTS FROM BALLOTING DRAFT 2

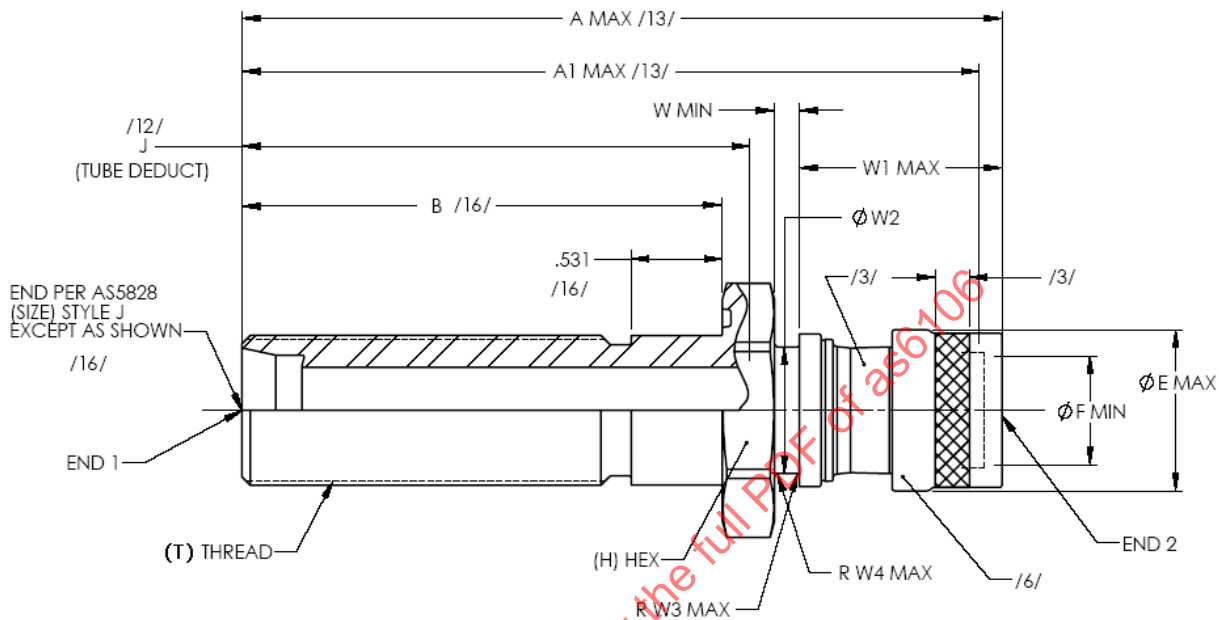
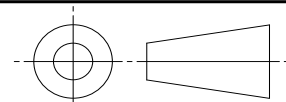


FIGURE 1 – ADAPTER, AXIALLY SWAGED

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS6106>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS5958 /4/

SAE Aerospace
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AEROSPACE STANDARD
FITTING ASSEMBLY, ADAPTER,
EXTENDED BULKHEAD SHANK, FLARELESS,
AXIALLY SWAGED, HYDRAULIC, 5080 PSI

SAE AS6106
SHEET 1 OF 3

TABLE 1A - DIMENSIONS A THROUGH W

BASIC NO. AS6106 /15/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	A MAX.	A1 MAX.	B	E MAX	F MIN.	(H)	J /12/ TUBE DEDUCT	W MIN.
0404	.2500	.2500	3.357	3.270	2.469	.466	.253	.875	2.775	±.150
0606	.3750	.3750	3.640	3.524	2.515	.609	.378	1.000	2.841	±.150
0808	.5000	.5000	4.004	3.858	2.656	.783	.504	1.188	3.005	±.175
1010	.6250	.6250	4.454	4.250	2.797	.939	.629	1.312	3.161	±.175
1212	.7500	.7500	4.734	4.529	2.906	1.122	.754	1.500	3.297	±.175
1616	1.0000	1.0000	5.052	4.838	2.906	1.495	1.004	1.875	3.324	±.200
2020	1.2500	1.2500	5.419	5.195	2.906	1.758	1.255	2.188	3.408	±.200

TABLE 1B – THREAD, DIMENSIONS W1 THROUGH W4, O-RING SIZE AND WEIGHTS

BASIC NO. AS6106 /15/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	T THREAD PER AS8879	W1 MAX.	W2 ±.0015	W3 MAX.	W4 MAX.	AS568 O-RING /14/	WEIGHT LB/EA APP. REF.
0404	.2500	.2500	.4375-28 UNJEF-3A	.488	.3005	.018	.065	-15	.075
0606	.3750	.3750	.5625-24 UNJEF-3A	.675	.4475	.033	.065	-17	.115
0808	.5000	.5000	.7500-20 UNJEF-3A	.871	.5945	.033	.129	-20	.195
1010	.6250	.6250	.8750-20 UNJEF-3A	1.190	.7365	.021	.078	-22	.275
1212	.7500	.7500	1.0625-18 UNJEF-3A	1.327	.8805	.024	.089	-25	.390
1616	1.0000	1.0000	1.3125-16 UNJ-3A	1.612	1.1725	.027	.099	-30	.620
2020	1.2500	1.2500	1.6250-16 UNJ-3A	1.886	1.4345	.030	.113	-32	.930

NOTES:

/1/ MATERIALS:

CODE LETTER "T"

RING - AMS4965 TITANIUM ALLOY 6.0AL 4.0V SOLUTION HEAT