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AS8576™

RATIONALE

FEDERAL SUPPLY CLASS
4730

NEW STANDARD FOR OPERATING PRESSURES UP TO AND INCLUDING 3000 PSI.

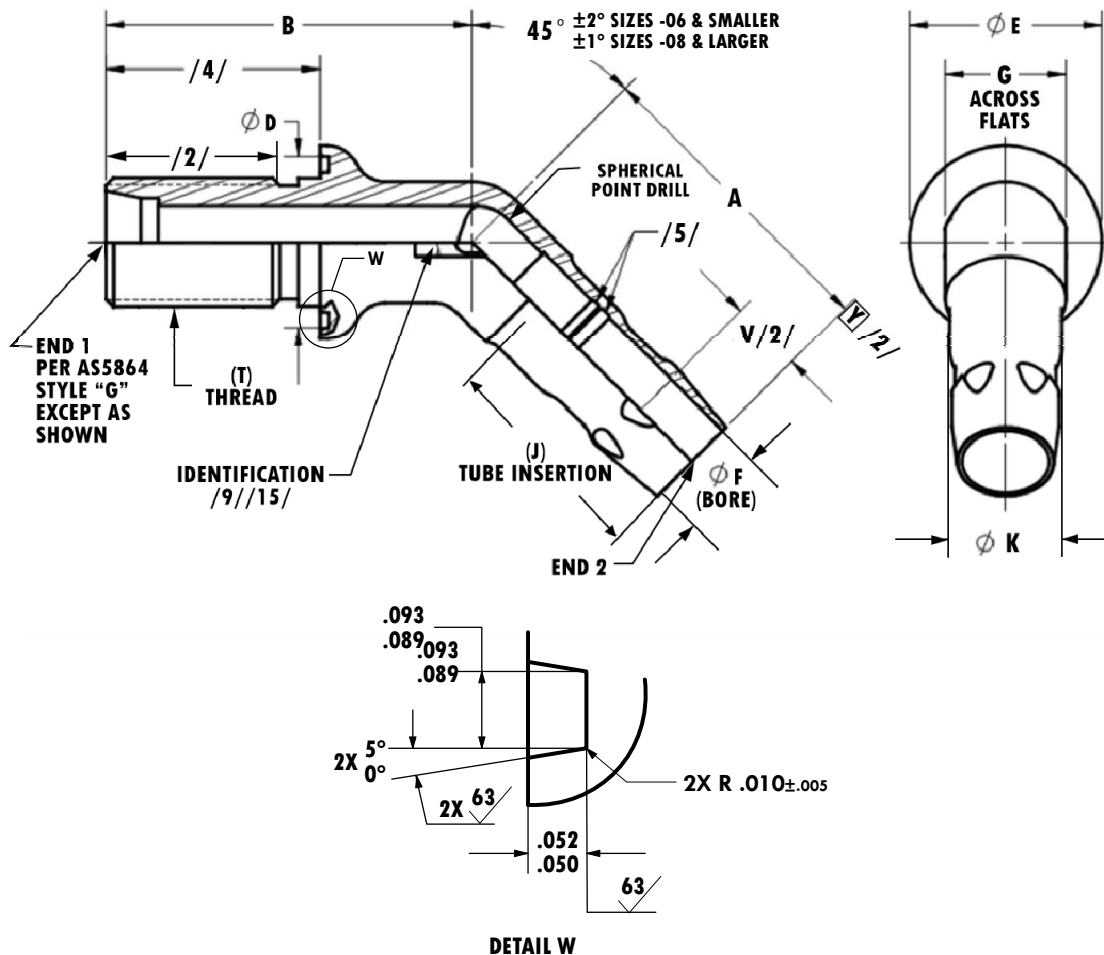
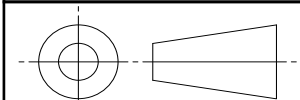


FIGURE 1 - ELBOW 45°, BULKHEAD SEALING, EXTERNAL SWAGE TO MALE FLARELESS

For more information on this standard, visit
<https://www.sae.org/standards/content/AS8576/>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS4459 /6/



AEROSPACE STANDARD

FITTING, ELBOW 45°, BULKHEAD SEALING,
EXTERNAL SWAGE TO FLARELESS, HYDRAULIC

AS8576™
SHEET 1 OF 4

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TABLE 1A - DIMENSIONS A THROUGH K

BASIC NO. AS8576 /15/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	A +.030/- .000	B	D	E	G	ΦK
0303	.188	.188	.915	1.637-1.669	.623- .629	.735- .765	.310- .340	.275
0404	.250	.250	1.125	1.762-1.794	.683- .692	.798- .828	.375- .405	.338
0505	.313	.313	1.195	1.772-1.804	.746- .754	.860- .890	.450- .480	.413
0606	.375	.375	1.276	1.871-1.903	.808- .816	.923- .953	.530- .560	.480
0808	.500	.500	1.799	2.121-2.153	.994-1.004	1.110-1.140	.690- .720	.655
1010	.625	.625	1.916	2.355-2.387	1.118-1.129	1.235-1.265	.846- .876	.787
1210	.750	.625	2.047	2.573-2.605	1.303-1.316	1.423-1.453	1.021-1.051	.787
1212	.750	.750	2.047	2.558-2.590	1.303-1.316	1.423-1.453	1.021-1.051	.929
1616	1.000	1.000	2.468	2.683-2.715	1.613-1.629	1.735-1.765	1.365-1.395	1.257
2020	1.250	1.250	2.684	2.824-2.856	1.984-2.004	2.110-2.140	1.677-1.707	1.489
2424	1.500	1.500	2.778	2.949-2.981	2.108-2.129	2.235-2.265	1.865-1.895	1.786

TABLE 1B - THREAD, DIMENSION J THROUGH V AND WEIGHTS

BASIC NO. AS8576 /15/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	(T) THREAD PER AS8879	J /19/	V /2/	WEIGHT APPROX LB/EA CRES	WEIGHT APPROX LB/EA TI	WEIGHT APPROX LB/EA AL
0303	.188	.188	.3750-24 UNJF-3A	.473	.170-.220	.058	.033	.020
0404	.250	.250	.4375-20 UNJF-3A	.615	.190-.240	.079	.046	.027
0505	.313	.313	.5000-20 UNJF-3A	.655	.200-.250	.101	.058	.035
0606	.375	.375	.5625-18 UNJF-3A	.690	.220-.270	.131	.075	.045
0808	.500	.500	.7500-16 UNJF-3A	1.193	.410-.435	.247	.142	.085
1010	.625	.625	.8750-14 UNJF-3A	1.233	.410-.435	.362	.209	.126
1210	.750	.625	1.0625-12 UNJ-3A	1.233	.410-.435	.548	.316	.190
1212	.750	.750	1.0625-12 UNJ-3A	1.303	.365-.390	.530	.305	.184
1616	1.000	1.000	1.3125-12 UNJ-3A	1.448	.325-.350	.926	.533	.321
2020	1.250	1.250	1.6250-12 UNJ-3A	1.550	.325-.350	1.415	.815	.490
2424	1.500	1.500	1.8750-12 UNJ-3A	1.675	.325-.350	1.630	.939	.564

TABLE 1C - O RING SIZE /18/

BASIC NO. AS8576 /15/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	AS568 O-RING
0303	.1875	.1875	-014
0404	.250	.250	-015
0505	.3125	.3125	-016
0606	.375	.375	-017
0808	.500	.500	-020
1010	.625	.625	-022
1210	.750	.625	-025
1212	.750	.750	-025
1616	1.000	1.000	-029
2020	1.250	1.250	-032
2424	1.500	1.500	-033