

RATIONALE

AS5828 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

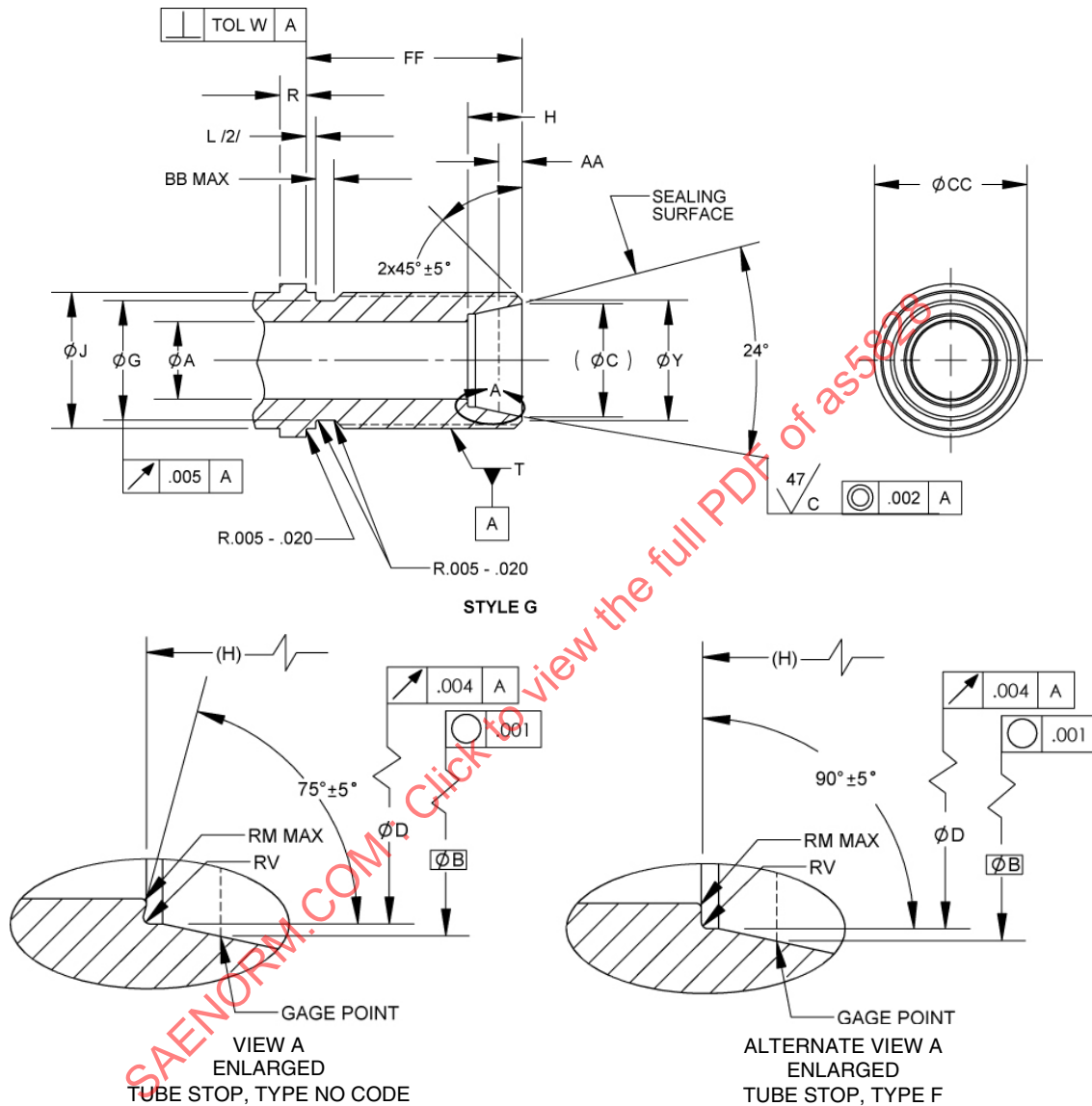
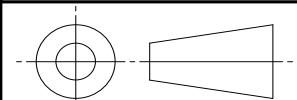


FIGURE 1 - FITTING END DESIGN, STYLE G

SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS5828>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: NONE /1/



AEROSPACE STANDARD

FITTING END, BULKHEAD, FLARELESS,
EXTRA FINE THREAD, DESIGN STANDARD

AS5828
SHEET 1 OF 4

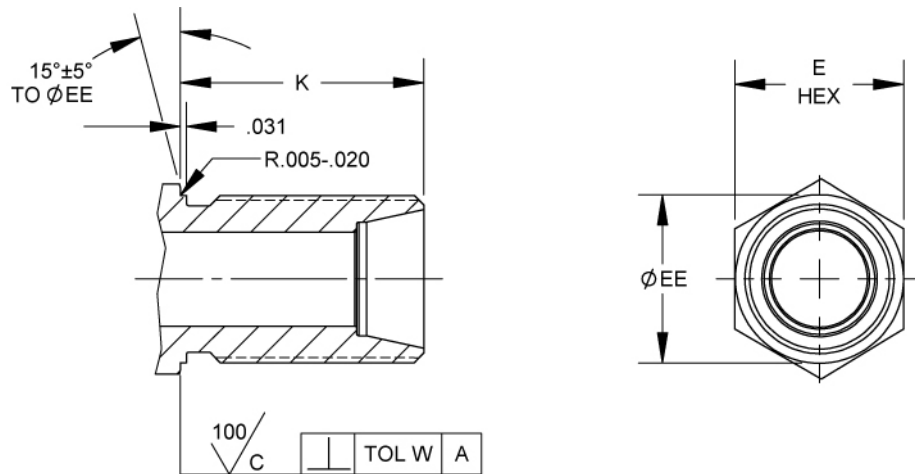


FIGURE 2 - FITTING END DESIGN, STYLE H
SAME AS STYLE G, EXCEPT AS SHOWN

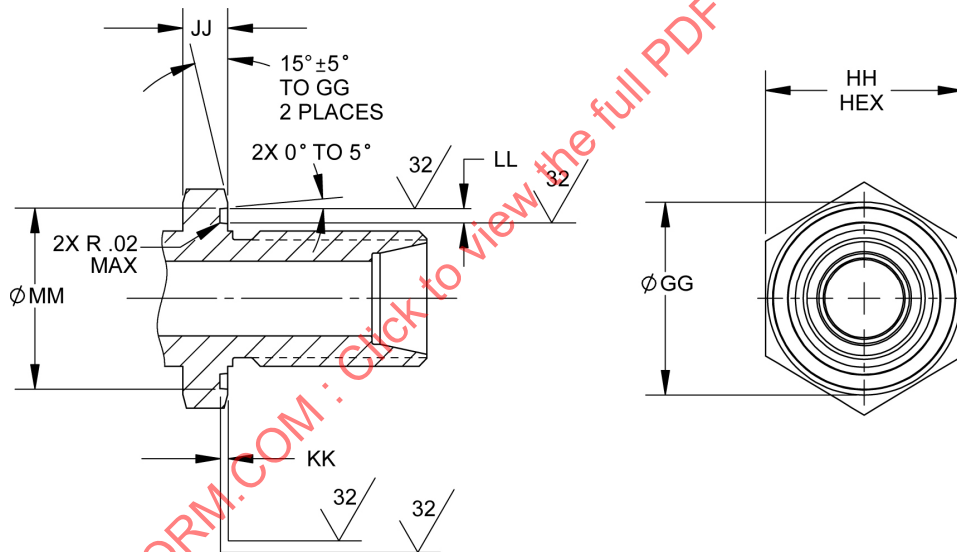


FIGURE 3 - FITTING END DESIGN, STYLE J
SAME AS STYLE H, EXCEPT AS SHOWN

TABLE 1A - DIMENSIONS A-E

BASIC NO. AS5828 /9/ SIZE CODE	(NOMINAL TUBE SIZE)	T THREAD PER ISO 3161 CLASS 3A	A ±.003	B GAGE	(C)	D +.004/- .000	E
04	.250	.4375-28 UNJEF	.187	.2930	.319	.261	.678 - .691
06	.375	.5625-24 UNJEF	.297	.4160	.441	.386	.802 - .816
08	.500	.7500-20 UNJEF	.422	.5600	.601	.514	.990 - 1.003
10	.625	.8750-20 UNJEF	.500	.6860	.727	.641	1.113 - 1.128
12	.750	1.0625-18 UNJEF	.656	.8100	.852	.766	1.363 - 1.380
16	1.000	1.3125-16 UNJ	.875	1.0620	1.102	1.016	1.613 - 1.630
20	1.250	1.6250-16 UNJ	1.093	1.3160	1.355	1.270	1.863 - 1.880

TABLE 1B - DIMENSIONS G-M

BASIC NO. AS5828 /9/ SIZE CODE	G +.000/- .005	H ±.003	J	K ±.005	L	M MAX
04	.359	.234	.4294 - .4375	.969	.094	.005
06	.476	.250	.5538 - .5625	1.015	.094	.010
08	.654	.305	.7406 - .7500	1.156	.125	.010
10	.767	.350	.8647 - .8750	1.297	.125	.010
12	.938	.350	1.0511 - 1.0625	1.406	.125	.010
16	1.188	.415	1.3011 - 1.3125	1.406	.125	.010
20	1.501	.415	1.6136 - 1.6250	1.406	.125	.015

TABLE 1C - DIMENSIONS R-FF

BASIC NO. AS5828 /9/ SIZE CODE	R ±.030	V	W	Y	AA ±.003	BB	CC ±.031	EE	FF ±.005
04	.120	.005 - .020	.005	.365	.060	.090	.562	.668	1.032
06	.140	.005 - .020	.005	.480	.057	.098	.688	.792	1.078
08	.160	.005 - .020	.005	.660	.095	.109	.875	.980	1.250
10	.170	.005 - .020	.005	.775	.095	.122	1.000	1.103	1.391
12	.190	.005 - .020	.005	.945	.097	.140	1.187	1.353	1.500
16	.190	.005 - .020	.008	1.195	.093	.140	1.438	1.603	1.500
20	.190	.020 - .030	.008	1.505	.090	.140	1.750	1.853	1.500