

RATIONALE

MAIN GRAPHIC MODIFIED TO CLARIFY LOCATION OF DIM J AND DIM BB.

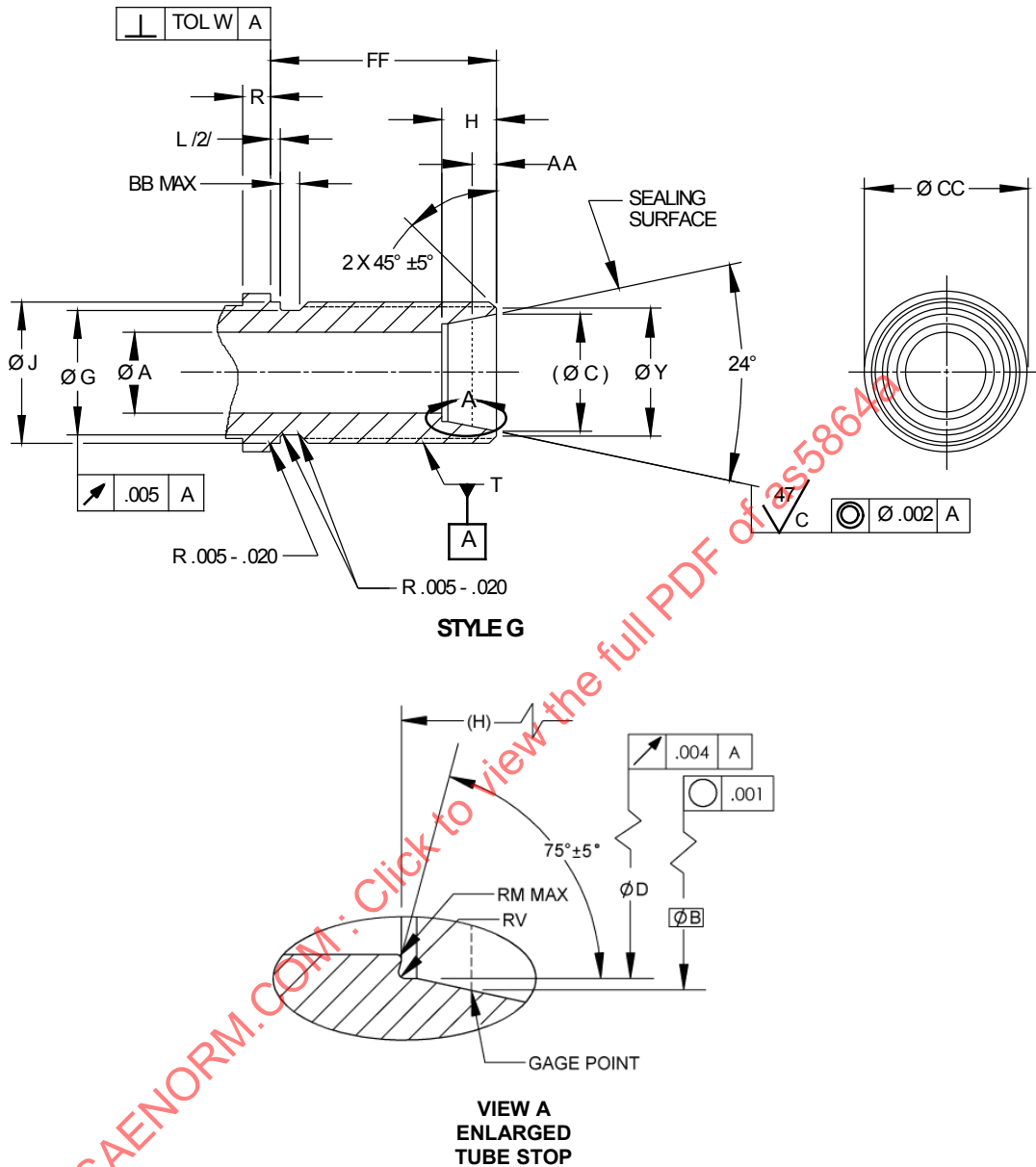
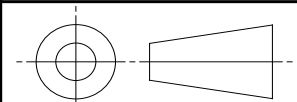


FIGURE 1 - FITTING END DESIGN, STYLE G

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS5864A>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: NONE /1/



AEROSPACE STANDARD

FITTING END, BULKHEAD, 24° CONE, FLARELESS, FLUID CONNECTION, DESIGN STANDARD

AS5864™
SHEET 1 OF 6

REV. A

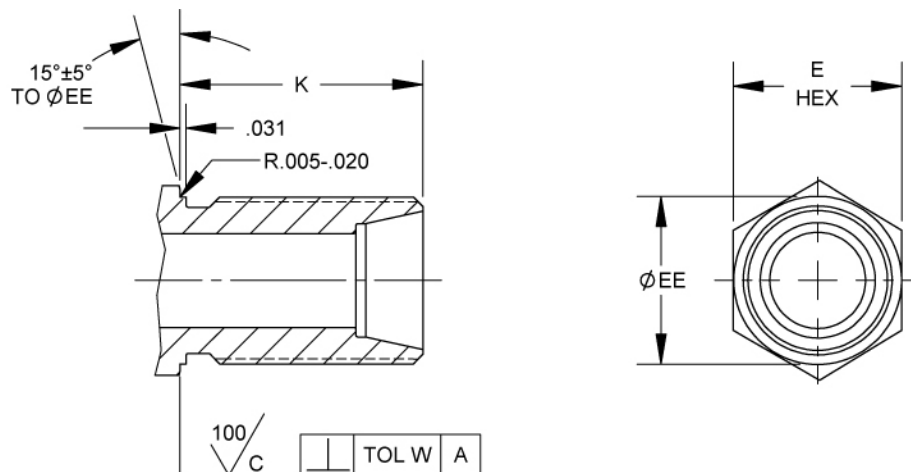


FIGURE 2 - FITTING END DESIGN, STYLE H
SAME AS STYLE G, EXCEPT AS SHOWN

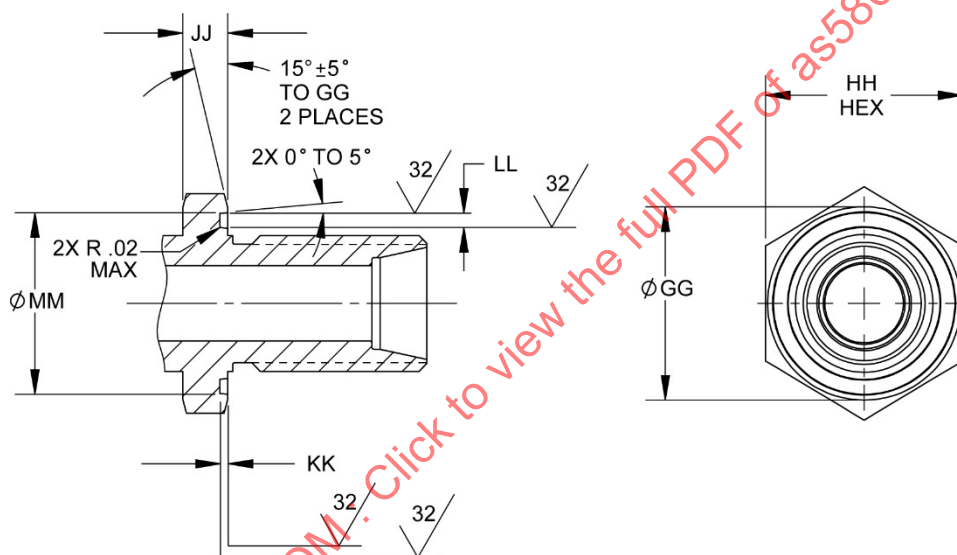


FIGURE 3 - FITTING END DESIGN, STYLE J
SAME AS STYLE H, EXCEPT AS SHOWN

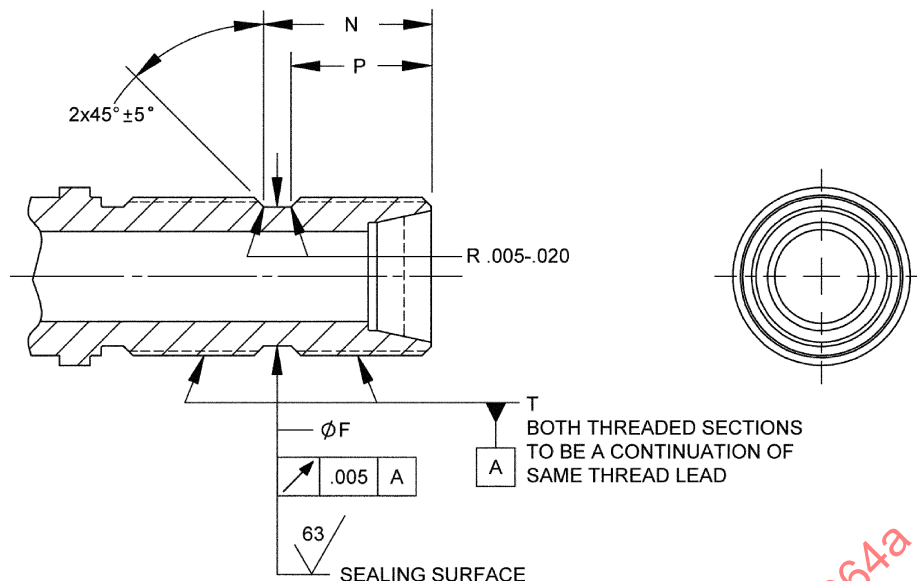


FIGURE 4 - FITTING END DESIGN, STYLE S
SAME AS STYLE G, EXCEPT AS SHOWN

STYLE S IS PROVIDED FOR USE WITH FITTINGS
WHICH REQUIRED AS4377 STYLE S BUT THAT HAVE
BEEN REVISED TO SPECIFY AS5864 STYLE S
STYLE S IS INACTIVE FOR NEW DESIGN

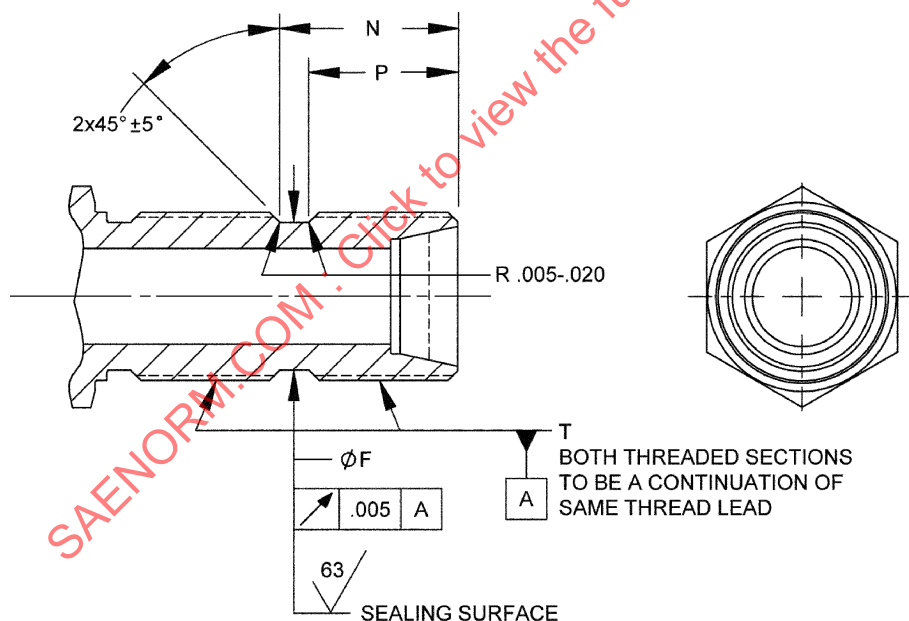


FIGURE 5 - FITTING END DESIGN, STYLE E
SAME AS STYLE H EXCEPT AS SHOWN

STYLE E IS PROVIDED FOR USE WITH FITTINGS
WHICH REQUIRED AS4377 STYLE E BUT THAT
HAVE BEEN REVISED TO SPECIFY AS5864 STYLE E
STYLE E IS INACTIVE FOR NEW DESIGN

TABLE 1A - DIMENSIONS A-F

BASIC NO. AS5864 /9/ SIZE CODE	(NOMINAL TUBE SIZE)	T THREAD PER ISO 3161 CLASS 3A	A ±.003	B GAGE	(C)	D +.004/- .000	E	F +.002/- .003
02	.125	.3125-24 UNJF	.093	.163	.189	.135	.552 - .565	.250
03	.188	.3750-24 UNJF	.125	.234	.267	.196	.615 - .628	.312
04	.250	.4375-20 UNJF	.187	.293	.319	.261	.678 - .691	.364
05	.312	.5000-20 UNJF	.234	.356	.382	.324	.740 - .753	.426
06	.375	.5625-18 UNJF	.297	.416	.441	.386	.802 - .816	.481
08	.500	.7500-16 UNJF	.422	.560	.601	.514	.990 - 1.003	.660
10	.625	.8750-14 UNJF	.500	.686	.727	.641	1.115 - 1.128	.773
12	.750	1.0625-12 UNJ	.656	.810	.852	.766	1.365 - 1.380	.945
14	.875	1.1875-12 UNJ	.765	.936	.977	.891	1.490 - 1.505	1.070
16	1.000	1.3125-12 UNJ	.875	1.062	1.102	1.016	1.615 - 1.630	1.195
20	1.250	1.6250-12 UNJ	1.093	1.316	1.355	1.270	1.865 - 1.880	1.507
24	1.500	1.8750-12 UNJ	1.344	1.565	1.604	1.520	2.115 - 2.135	1.756
32	2.000	2.5000-12 UNJ	1.813	2.068	2.108	2.022	2.740 - 2.760	2.381

TABLE 1B - DIMENSIONS G-M

BASIC NO. AS5864 /9/ SIZE CODE	G +.000/- .005	H ±.003	J	K ±.005	L	M MAX	N +.010/- .000	P ±.005
02	.245	.188	.3053 - .3125	.859	.094	.005	.415	.290
03	.307	.234	.3678 - .3750	.906	.094	.005	.471	.340
04	.359	.234	.4294 - .4375	.969	.094	.005	.495	.355
05	.421	.250	.4919 - .5000	.969	.094	.010	.495	.355
06	.476	.250	.5538 - .5625	1.015	.094	.010	.521	.365
08	.654	.305	.7406 - .7500	1.156	.125	.010	.632	.445
10	.767	.350	.8647 - .8750	1.297	.125	.010	.714	.495
12	.938	.350	1.0511 - 1.0625	1.406	.125	.010	.779	.545
14	1.064	.356	1.1761 - 1.1875	1.406	.125	.010	.779	.545
16	1.188	.415	1.3011 - 1.3125	1.406	.125	.010	.779	.545
20	1.501	.415	1.6136 - 1.6250	1.406	.125	.015	.779	.545
24	1.750	.485	1.8636 - 1.8750	1.406	.125	.015	.779	.545
32	2.375	.485	2.4886 - 2.5000	1.609	.125	.015	.779	.545



AEROSPACE STANDARD

FITTING END, BULKHEAD, 24° CONE, FLARELESS,
FLUID CONNECTION, DESIGN STANDARDAS5864™
SHEET 4 OF 6REV.
A