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REV. E

AS685™

RATIONALE

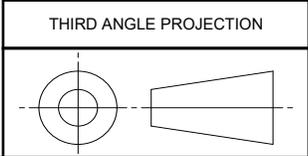
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CUSTODIAN: E-25

	AEROSPACE STANDARD		AS685™	REV. E
	PILOTED RING SEAL FLUID CONNECTION BOSSES			

ISSUED 1960-11 REAFFIRMED 2006-05 REVISED 2012-03 STABILIZED 2023-10

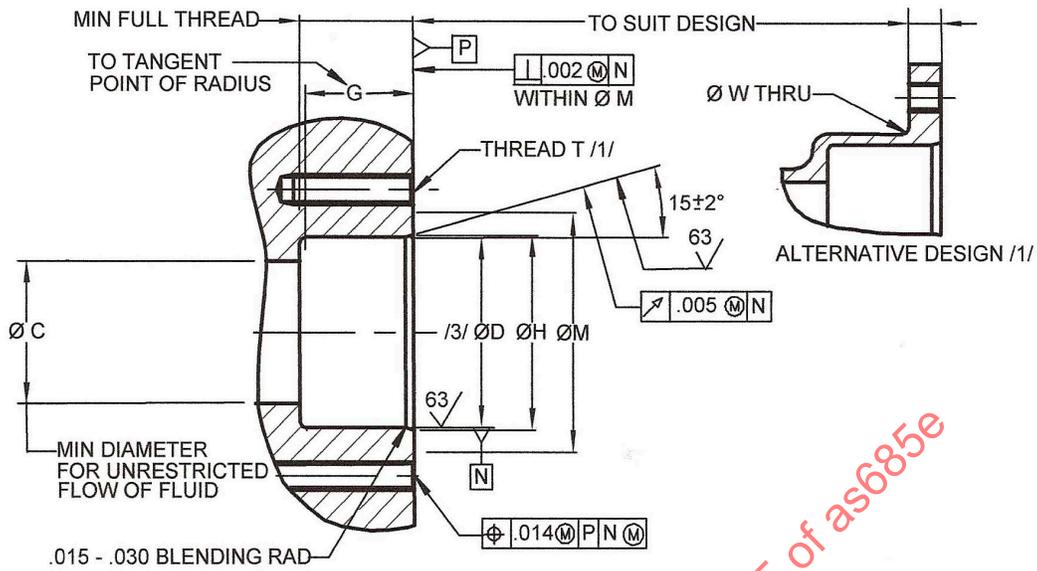


FIGURE 1 – SECTION XX (TYPICAL) TAPPED OR THRU HOLE INSTALLATION BOSSES

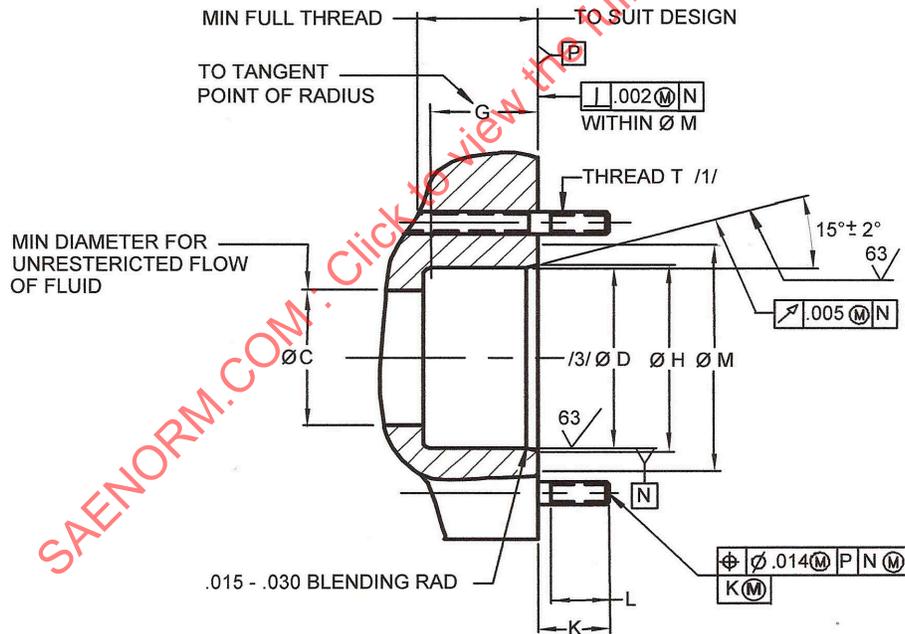


FIGURE 2 – SECTION XX (TYPICAL) THRU STUD INSTALLATION

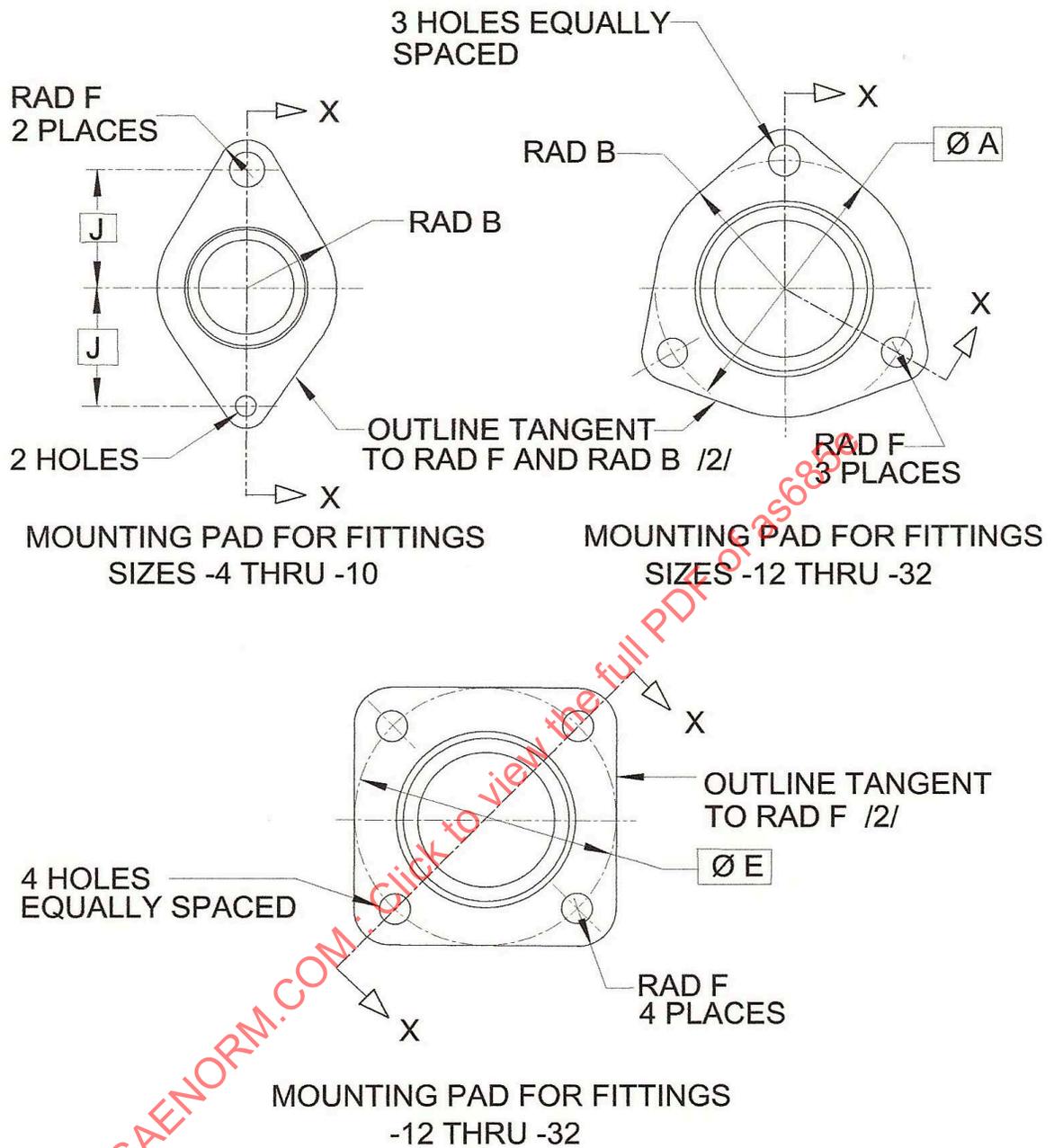


FIGURE 3 – MOUNTING PAD DESIGNS

TABLE 1 DIMENSIONS

SIZE No. REF	TUBE OD NOM	T THREAD	A DIA. BASIC	B RAD. MIN	C REF.	D DIA. +.002 -.000	E DIA. BASIC
- 04	.250	.190 - 32	----	.390	.180	.353	----
- 05	.312	.190 - 32	----	.422	.242	.415	----
- 06	.375	.190 - 32	----	.500	.305	.478	----
- 08	.500	.190 - 32	----	.531	.430	.603	----
- 10	.625	.190 - 32	----	.609	.555	.728	----
- 12	.750	.250 - 28	1.602	.801	.680	.912	1.602
- 14	.875	.250 - 28	1.773	.886	.777	1.083	1.773
- 16	1.000	.250 - 28	1.898	.949	.902	1.208	1.898
- 18	1.125	.250 - 28	2.023	1.012	1.027	1.333	2.023
- 20	1.250	.250 - 28	2.148	1.074	1.152	1.458	2.148
- 24	1.500	.250 - 28	2.398	1.199	1.402	1.708	2.398
- 28	1.750	.250 - 28	2.652	1.326	1.652	1.962	2.652
- 32	2.000	.3125 - 24	2.964	1.482	1.902	2.212	2.964

TABLE 1 DIMENSIONS CONTINUED

SIZE No. REF	F RAD. MIN	G MIN.	H DIA. +.006 -.000	J BASIC	K +.020	L MIN. FULL THREAD	M DIA. MIN.	W DIA. +.005 -.002
- 04	.220	.302	.392	.491	.515	.375	.608	.203
- 05	.220	.302	.454	.522	.515	.375	.670	.203
- 06	.220	.302	.517	.554	.515	.375	.733	.203
- 08	.220	.302	.642	.616	.515	.375	.858	.203
- 10	.220	.302	.767	.679	.515	.375	.983	.203
- 12	.281	.369	.962	.566	.590	.438	1.178	.281
- 14	.281	.488	1.153	.627	.590	.438	1.369	.281
- 16	.281	.488	1.278	.671	.590	.438	1.494	.281
- 18	.281	.488	1.403	.715	.590	.438	1.619	.281
- 20	.281	.488	1.528	.759	.590	.438	1.744	.281
- 24	.281	.488	1.778	.848	.590	.438	1.994	.281
- 28	.281	.488	2.032	.937	.590	.438	2.248	.281
- 32	.344	.488	2.282	1.048	.650	.500	2.498	.344



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