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AS1376

FEDERAL SUPPLY CLASS

4730

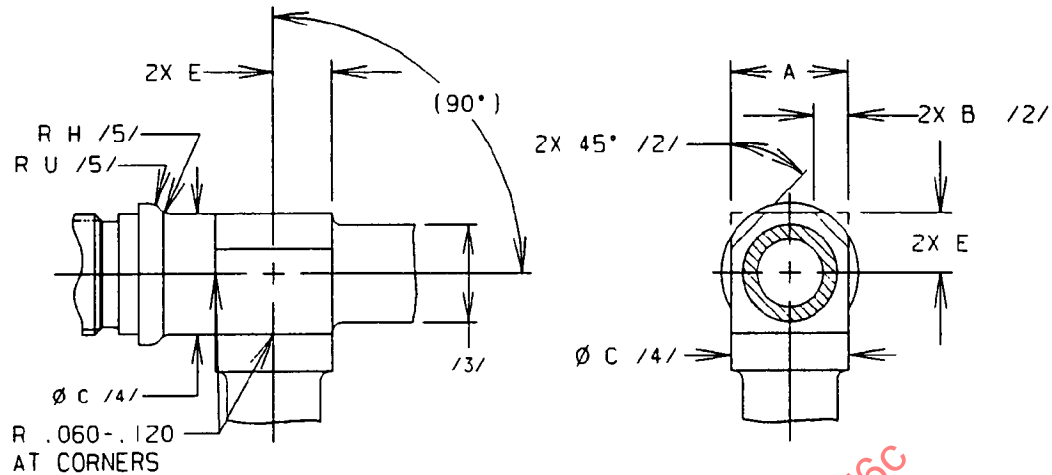


FIGURE 1 - TEE /6/

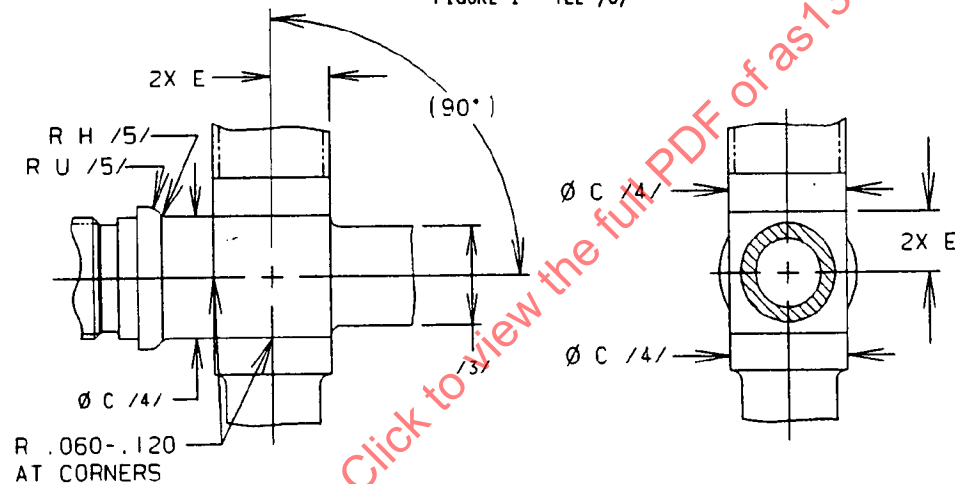
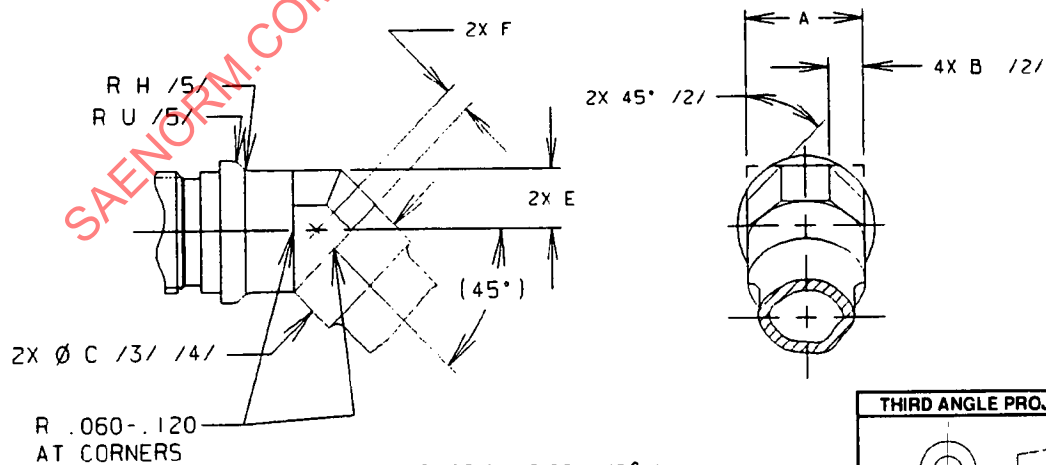
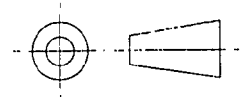


FIGURE 2 - CROSS /6/

FIGURE 3 - ELBOW, 45° /6/

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3B

SAE The Engineering Society
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INTERNATIONAL

400 Commonwealth Drive, Warrendale, PA 15096-0001

AEROSPACE STANDARD

ALTERNATE DIMENSIONS, CENTER
BODY SECTION, SHAPE FLUID
FITTING, DESIGN STANDARD

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SHEET 1 OF 7

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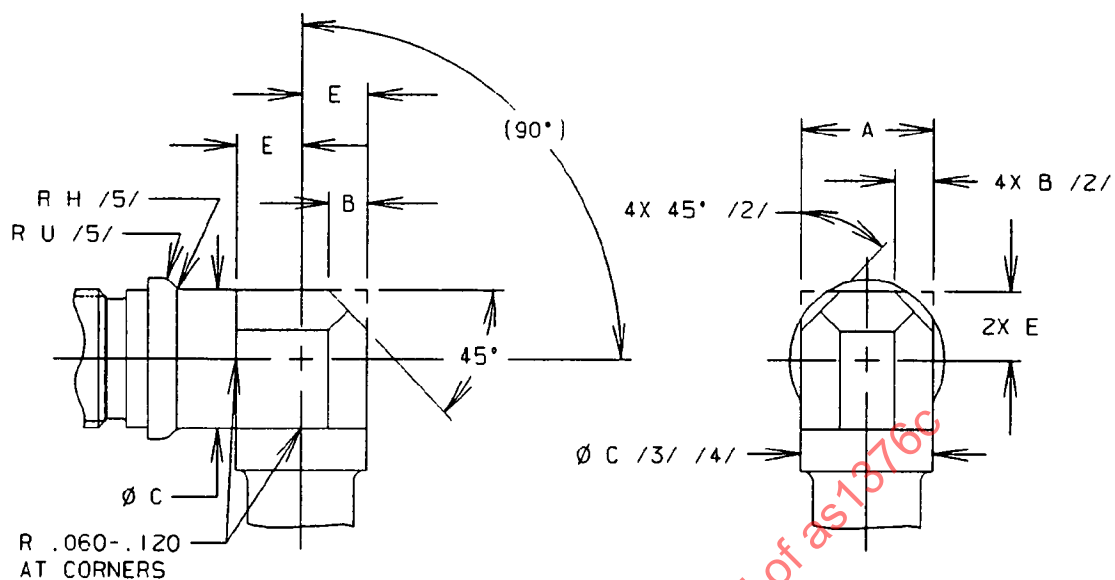


FIGURE 4 - ELBOW, 90° / 6/

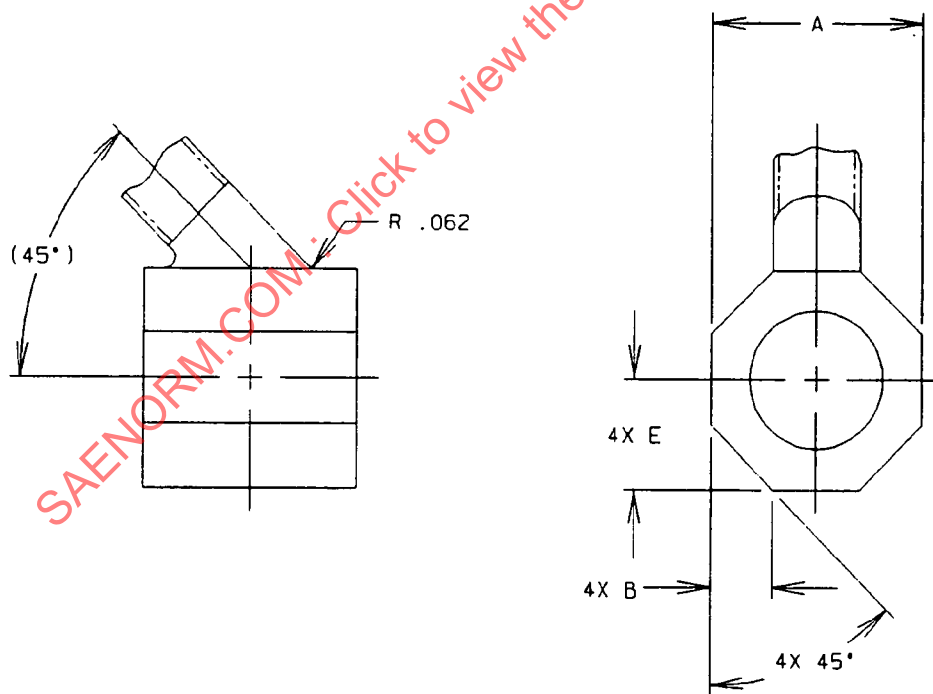


FIGURE 5 - MULTIPLE CONNECTORS AND UNIVERSAL FITTINGS / 7/

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TABLE 1 - STANDARD FITTING DIMENSIONS /a/

TUBE SIZE	(TUBE OO)	A /9/	B	C /9/	E ±.008	F ±.008	H	U	J /9/
02	.125	.302-.314	-	.296-.302	.156	.065	.062	.062	.312
03	.188	.365-.377	-	.359-.365	.188	.078	.062	.062	.375
04	.250	.428-.440	-	.422-.428	.219	.091	.062	.062	.438
05	.312	.490-.502	-	.484-.490	.250	.104	.094	.062	.500
06	.375	.552-.565	-	.546-.552	.281	.116	.094	.094	.562
08	.500	.740-.753	.221	.734-.740	.375	.155	.094	.094	.750
10	.625	.867-.878	.257	.861-.867	.438	.181	.094	.125	.875
12	.750	1.052-1.065	.312	1.046-1.052	.531	.220	.094	.125	1.062
14	.875	1.178-1.191	.349	1.172-1.178	.594	.246	.125	.125	1.188
16	1.000	1.302-1.317	.386	1.296-1.302	.656	.272	.125	.125	1.312
20	1.250	1.615-1.630	.478	1.609-1.615	.812	.336	.125	.188	1.625
24	1.500	1.865-1.880	.551	1.859-1.865	.938	.388	.125	.188	1.875
32	2.000	2.552-2.572	.754	2.546-2.552	1.281	.530	.125	.188	2.562

/a/ REFERENCE FITTINGS: FLARELESS: AS1003 THROUGH AS1006, AS1008 THROUGH AS1010, MS21904 THROUGH MS21909, MS21912, MS21926, NAS1761 THROUGH NAS1764. FLARELESS TO PIPE: AS893 THROUGH AS895, AS897. FLARELESS TO FLARED: MS24651, MS24652, MS24654. FLARED: AS1033 THROUGH AS1036, AS1038 THROUGH AS1040, AN804, AN824, AN827, AN833, AN834, AN837, MS24390, MS24394 THROUGH MS24396, MS29401 THROUGH MS29403. FLARED TO PIPE: MS20822, MS20823, MS20825, MS20826. FLARED AND HOSE: AN838, AN839, AN846, AN848.

TABLE 2 - REDUCED ENVELOPE FITTING DIMENSIONS /a/

TUBE SIZE	(TUBE OO)	A /9/	B	C /9/	E ±.008	F ±.008	H	U	J /9/
04	.250	.380-.392	-	.335-.365	.195	.081	.062	.062	.390
05	.312	.443-.455	-	.397-.427	.226	.094	.094	.062	.453
06	.375	.443-.455	-	.437-.443	.226	.094	.094	.094	.453
08	.500	.567-.580	-	.561-.567	.288	.119	.094	.094	.577
10	.625	.692-.705	.206	.686-.692	.351	.145	.094	.125	.702
12	.750	.880-.893	.261	.874-.880	.445	.184	.094	.125	.890
16	1.000	1.130-1.143	.334	1.124-1.130	.570	.236	.125	.125	1.140
20	1.250	1.380-1.395	.379	1.374-1.380	.645	.288	.125	.188	1.390
24	1.500	1.630-1.645	.482	1.624-1.630	.820	.339	.125	.188	1.640

/a/ REFERENCE FITTINGS: AS4130 THROUGH AS4141

TABLE 3 - FLARED TO HOSE AND HOSE TO HOSE FITTINGS HAS BEEN SUPERSEDED BY TABLE 1

TABLE 4 - DYNAMIC BEAM SEAL AND SHRINK FIT COMPATIBLE FITTING DIMENSIONS /a/

TUBE SIZE	(TUBE OD)	A /9/	B	C /9/	E ±.008	F ±.008	H	U	J /9/
04	.250	.365-.377	-	.359-.365	.188	.078	.062	.062	.375
06	.375	.490-.502	-	.484-.490	.250	.104	.094	.094	.500
08	.500	.552-.565	-	.546-.552	.281	.116	.094	.094	.562
10	.625	.678-.691	.202	.672-.678	.344	.142	.094	.125	.688
12	.750	.865-.878	.257	.859-.865	.438	.181	.094	.125	.875
14	.875	1.115-1.128	.331	1.109-1.115	.562	.233	.125	.125	1.125
16	1.000	1.115-1.128	.331	1.109-1.115	.562	.233	.125	.125	1.125
20	1.250	1.365-1.380	.404	1.359-1.365	.688	.284	.125	.188	1.375
24	1.500	1.615-1.630	.478	1.609-1.615	.812	.336	.125	.188	1.625

/a/ REFERENCE FITTINGS: AS4205, AS4206, AS4210, AS4211, AS4220, AS4221,
AS4224, AS4260, AS4266, AS4541, AS4542

TABLE 5 - WELD FITTING DIMENSIONS /a/

TUBE SIZE	(TUBE OD)	A /9/	B	E ±.008	J /9/
04	.250	.380-.392	-	.195	.390
05	.312	.443-.452	-	.226	.453
06	.375	.443-.452	-	.226	.453
08	.500	.567-.580	-	.288	.577
10	.625	.692-.705	.206	.351	.702
12	.750	.880-.893	.261	.445	.890
16	1.000	1.130-1.143	.334	.570	1.140
20	1.250	1.280-1.295	.379	.645	1.290

/a/ REFERENCE FITTINGS: AS1583, AS1584

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TABLE 6 - INTERNAL SCREW THREAD FITTING DIMENSIONS /a/

TUBE SIZE	(TUBE OD)	(THREAD SIZE)	A /9/	B	C /9/	E ±.008	F	J /9/
04	.250	.4375	.740-.753	.221	.672-.704	.375	.155	.750
05	.312	.5000	.740-.753	.221	.734-.740	.375	.155	.750
06	.375	.5625	.802-.815	.239	.796-.802	.406	.168	.812
08	.500	.7500	1.052-1.065	.313	1.046-1.052	.531	.220	1.062
10	.625	.8750	1.178-1.191	.349	1.172-1.178	.594	.246	1.188
12	.750	1.0625	1.428-1.441	.423	1.422-1.428	.719	.298	1.438
16	1.000	1.3125	1.678-1.691	.496	1.672-1.678	.844	.349	1.688
20	1.250	1.6250	1.990-2.003	.588	1.984-1.990	1.000	.414	2.000

/a/ REFERENCE FITTINGS: AN937 THROUGH AN941

TABLE 7 - INTERNAL PIPE THREAD FITTING DIMENSIONS /a/

DASH NUMBER /8/	(PIPE THREAD SIZE)	A /9/	B	C	E ±.008	F	J /9/
-1	1/8	.605-.628	-	.578	.312	.129	.625
-2	1/4	.803-.816	.239	.781	.406	.168	.813
-3	3/8	.928-.941	.276	.922	.469	.194	.938
-4	1/2	1.178-1.191	.349	1.156	.594	.246	1.188
-6	3/4	1.365-1.378	.404	1.359	.688	.284	1.375
-8	1	1.740-1.753	.515	1.688	.875	.362	1.750
-10	1-1/4	2.146-2.159	.634	2.125	1.078	.446	2.156

/a/ REFERENCE FITTINGS: AN914 THROUGH AN918