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REV.
C

SAE AS4377

FEDERAL SUPPLY CLASS
4730

RATIONALE

AS4377C HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

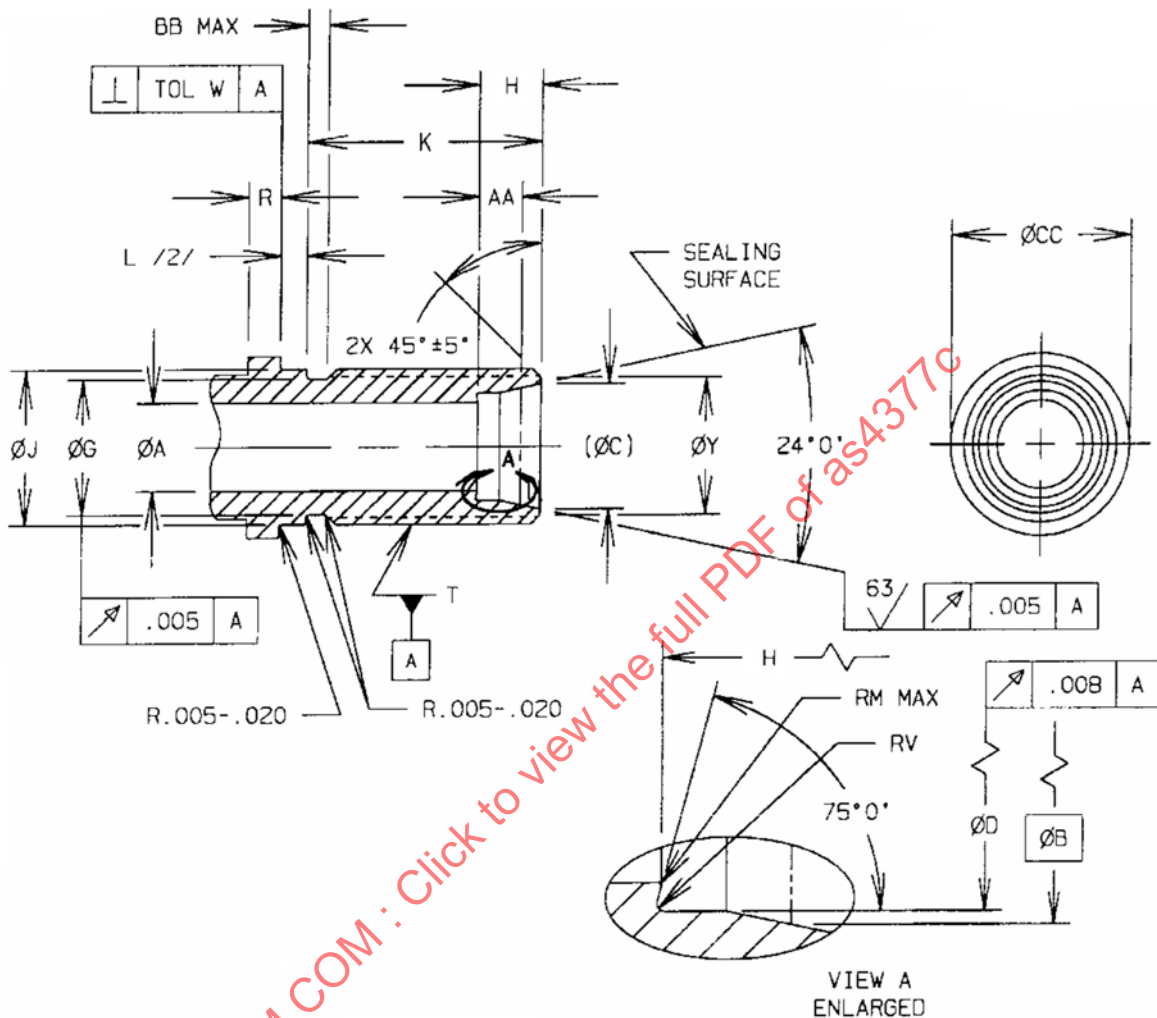
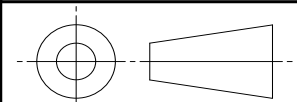


FIGURE 1 - FITTING END DESIGN, STYLE G

INACTIVE IN PART /10/

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on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS4377C>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: NONE /1/

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

FITTING END, BULKHEAD,
FLARELESS, DESIGN STANDARD

SAE AS4377
SHEET 1 OF 5

REV.
C

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ISSUED 1992-07 REVISED 2003-05 REAFFIRMED 2013-01

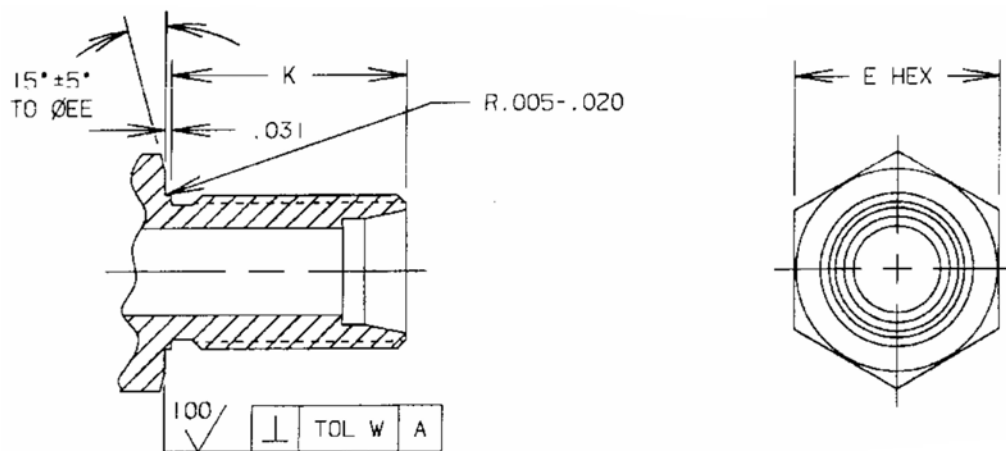


FIGURE 2 - FITTING END DESIGN, STYLE H
SAME AS STYLE G EXCEPT AS SHOWN

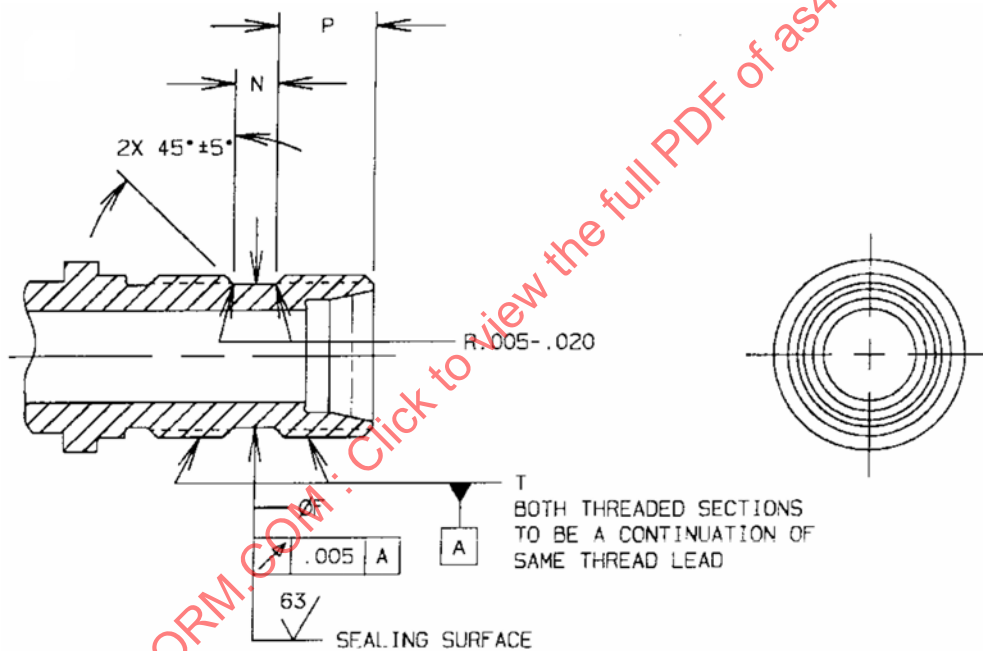


FIGURE 3 - FITTING END DESIGN, STYLE S
SAME AS STYLE G EXCEPT AS SHOWN
STYLE S IS INACTIVE FOR NEW DESIGN AS OF THE PUBLICATION DATE OF
REVISION B OF THIS STANDARD. USE STYLE G FOR NEW DESIGN. /10/

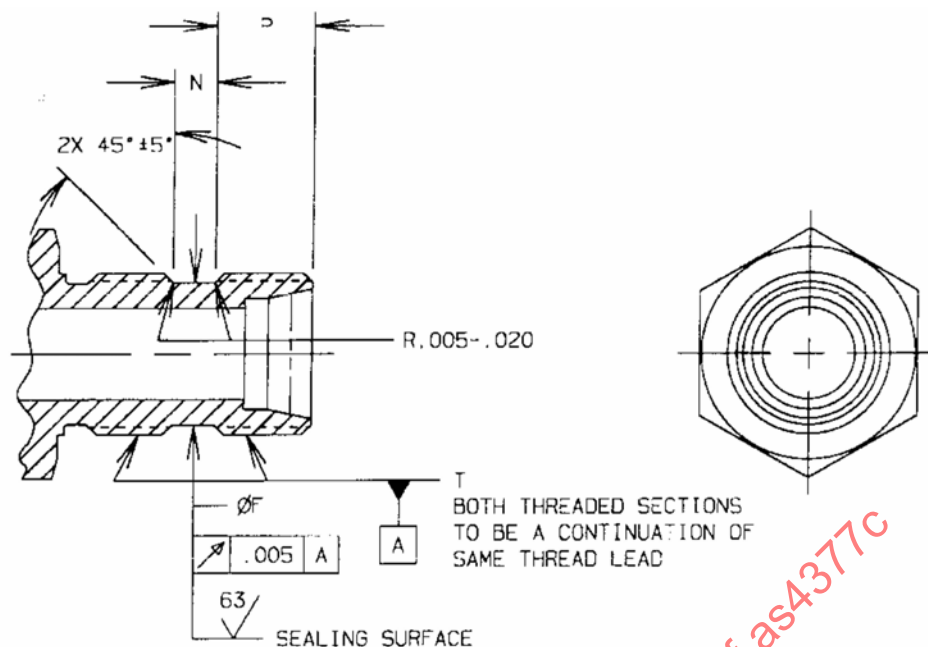


FIGURE 4 - FITTING END DESIGN, STYLE E
 SAME AS STYLE H EXCEPT AS SHOWN
 STYLE E IS INACTIVE FOR NEW DESIGN AS OF THE PUBLICATION DATE OF
 REVISION B OF THIS STANDARD. USE STYLE H FOR NEW DESIGN. /10/

TABLE 1A - DIMENSIONS A-F

BASIC NO. AS4377 /9/ SIZE CODE	(NOMINAL TUBE SIZE)	T THREAD PER AS8879 CLASS 3A	A ±.003	B	C	D +.004/- .000	E	F +.002/- .003
02	.125	.3125-24 UNJF	.093	.1630	.189	.135	.552 - .565	.250
03	.188	.3750-24 UNJF	.125	.2340	.267	.196	.615 - .628	.312
04	.250	.4375-20 UNJF	.187	.2930	.319	.261	.678 - .691	.364
05	.312	.5000-20 UNJF	.234	.3560	.382	.324	.740 - .753	.426
06	.375	.5625-18 UNJF	.297	.4160	.441	.386	.802 - .816	.481
08	.500	.7500-16 UNJF	.422	.5600	.601	.514	.990 - 1.003	.660
10	.625	.8750-14 UNJF	.500	.6860	.727	.641	1.113 - 1.128	.773
12	.750	1.0625-12 UNJ	.656	.8100	.852	.766	1.363 - 1.380	.945
14	.875	1.1875-12 UNJ	.765	.9360	.977	.891	1.488 - 1.505	1.070
16	1.000	1.3125-12 UNJ	.875	1.0620	1.102	1.016	1.613 - 1.630	1.195
20	1.250	1.6250-12 UNJ	1.093	1.3160	1.355	1.270	1.863 - 1.880	1.507
24	1.500	1.8750-12 UNJ	1.344	1.5650	1.604	1.520	2.109 - 2.135	1.756
32	2.000	2.5000-12 UNJ	1.813	2.0680	2.108	2.022	2.734 - 2.760	2.381

TABLE 1B - DIMENSIONS G-P

BASIC NO. AS4377									
/9/ SIZE CODE	G +.000/- .005	H ±.003	J		K ±.016	L ±.016	M	N +.010/- .000	P ±.005
02	.245	.188	.3053 -	.3125	.828	.094	.005	.125	.290
03	.307	.234	.3678 -	.3750	.875	.094	.005	.131	.340
04	.359	.234	.4294 -	.4375	.938	.094	.005	.140	.355
05	.421	.250	.4919 -	.5000	.938	.094	.010	.140	.355
06	.476	.250	.5538 -	.5625	.984	.094	.010	.156	.365
08	.654	.305	.7406 -	.7500	1.125	.125	.010	.187	.445
10	.767	.350	.8647 -	.8750	1.266	.125	.010	.219	.495
12	.938	.350	1.0511 -	1.0625	1.375	.125	.010	.234	.545
14	1.064	.356	1.1761 -	1.1875	1.375	.125	.010	.234	.545
16	1.188	.415	1.3011 -	1.3125	1.375	.125	.010	.234	.545
20	1.501	.415	1.6136 -	1.6250	1.375	.125	.015	.234	.545
24	1.750	.485	1.8636 -	1.8750	1.375	.125	.015	.234	.545
32	2.375	.485	2.4886 -	2.5000	1.578	.125	.015	.234	.545

TABLE 1C - DIMENSIONS R-EE

BASIC NO. AS4377									
/9/ SIZE CODE	R ±.030	V	W MAX	Y	AA ±.005	BB	CC ±.031	EE ±.010	
02	.110	.005 - .010	.005	.250	.128	.078	.438	.542	
03	.110	.005 - .020	.005	.310	.158	.078	.500	.605	
04	.120	.005 - .020	.005	.365	.174	.090	.562	.668	
05	.120	.005 - .020	.005	.425	.190	.090	.625	.730	
06	.140	.005 - .020	.005	.480	.193	.098	.688	.792	
08	.160	.005 - .020	.005	.660	.210	.109	.875	.980	
10	.170	.005 - .020	.005	.775	.255	.122	1.000	1.103	
12	.190	.005 - .020	.005	.945	.253	.140	1.187	1.353	
14	.190	.005 - .020	.008	1.070	.260	.140	1.312	1.478	
16	.190	.005 - .020	.008	1.195	.322	.140	1.438	1.603	
20	.190	.020 - .025	.008	1.505	.325	.140	1.750	1.853	
24	.190	.020 - .025	.008	1.755	.390	.140	2.000	2.099	
32	.190	.020 - .025	.008	2.380	.395	.140	2.625	2.724	