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REV.
C

AS5231™

FEDERAL SUPPLY CLASS
4730

RATIONALE

GRAPHICS REDRAWN. OPTION FOR SAFETY WIRE HOLES ADDED. BORE DEPTH FOR SIZE 20 REVISED. BORE DEPTH FOR -32 REVISED TO RESPECT MIN G DIMENSION. STYLE ON PORT CALLOUT CHANGED FROM "G" TO "E." DIMENSIONS FOR RELIEF DIAMETER FEATURES REMOVED AS THEY ARE ALREADY DEFINED ON AS4375. SUPPLEMENTAL CADMIUM USAGE WARNING NOTE ADDED. UPDATE PROCUREMENT SPECIFICATION NOTE TO CURRENT VERBIAGE. UPDATE OUTDATED SPECIFICATION CALLOUT. INVENTORY DISPOSITION NOTE 16 ADDED.

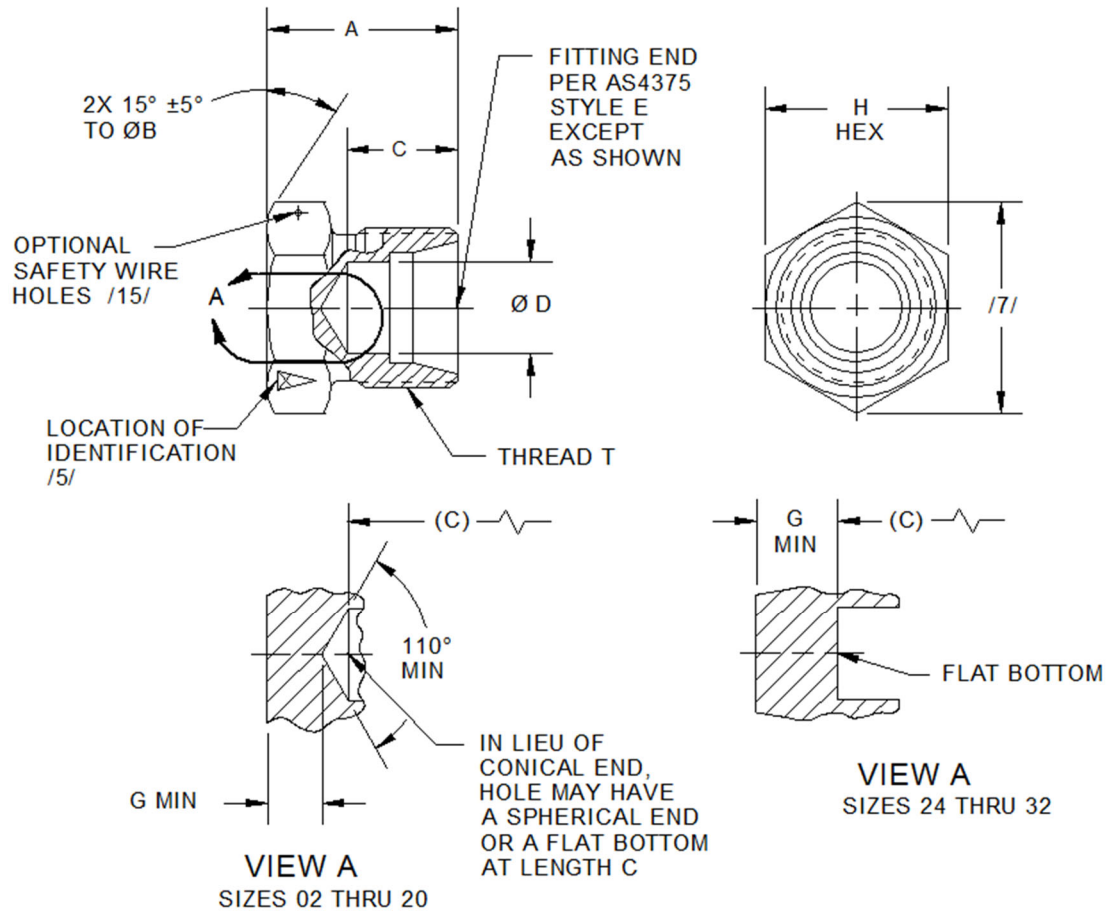
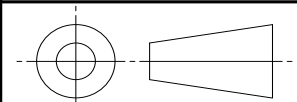


FIGURE 1 - FITTING, PLUG

For more information on this standard, visit
<https://www.sae.org/standards/content/AS5231C/>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS18280 /4/



AEROSPACE STANDARD

FITTING, PLUG, TUBE END, FLARELESS

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TABLE 1 - DIMENSIONS A-D

BASIC NO. AS5231 /14/ SIZE CODE	(NOMINAL TUBE SIZE)	T THREAD PER AS8879 CLASS 3A	A	B ±.010	C	D
02	.125	.3125-24 UNJF	.562	.418	.371	.093
03	.188	.3750-24 UNJF	.609	.418	.407	.125
04	.250	.4375-20 UNJF	.641	.480	.417	.187
05	.312	.5000-20 UNJF	.672	.542	.416	.234
06	.375	.5625-18 UNJF	.719	.605	.441	.297
08	.500	.7500-16 UNJF	.844	.792	.491	.422
10	.625	.8750-14 UNJF	.984	.918	.604	.500
12	.750	1.0625-12 UNJ	1.031	1.103	.564	.656
14	.875	1.1875-12 UNJ	1.062	1.228	.557	.765
16	1.000	1.3125-12 UNJ	1.062	1.353	.519	.875
20	1.250	1.6250-12 UNJ	1.094	1.666	.625	1.093
24	1.500	1.8750-12 UNJ	1.094	1.978	.812	1.344
32	2.000	2.5000-12 UNJ	1.094	2.599	.766	1.813

TABLE 1A - DIMENSIONS G-H AND WEIGHTS

BASIC NO. AS5231 /14/ SIZE CODE	G	H	LB/EA APPROX REF AL	LB/EA APPROX REF STEEL	LB/EA APPROX REF TI
02	.109	.428-.440	.00571	.0164	.00904
03	.109	.428-.440	.00717	.0206	.0114
04	.109	.490-.502	.00938	.0269	.0148
05	.125	.552-.565	.0128	.0369	.0203
06	.125	.615-.628	.0167	.0480	.0265
08	.156	.802-.815	.0332	.0952	.0525
10	.156	.928-.941	.0532	.153	.0843
12	.188	1.113-1.128	.0801	.230	.127
14	.188	1.238-1.253	.103	.295	.163
16	.188	1.363-1.380	.128	.366	.202
20	.234	1.676-1.693	.212	.610	.336
24	.234	1.988-2.005	.224	.644	.355
32	.328	2.609-2.635	.391	1.12	.620



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