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REV.
A

AS5170™

FEDERAL SUPPLY CLASS
4730

RATIONALE

Ø L ADDED TO GRAPHICS. UNDERCUT DIMENSION G REDRAWN FOR CLARITY. GENERAL REVISION TO UPDATE ALL REFERENCES TO ACTIVE DOCUMENTS. NOTE 14 ADDED.

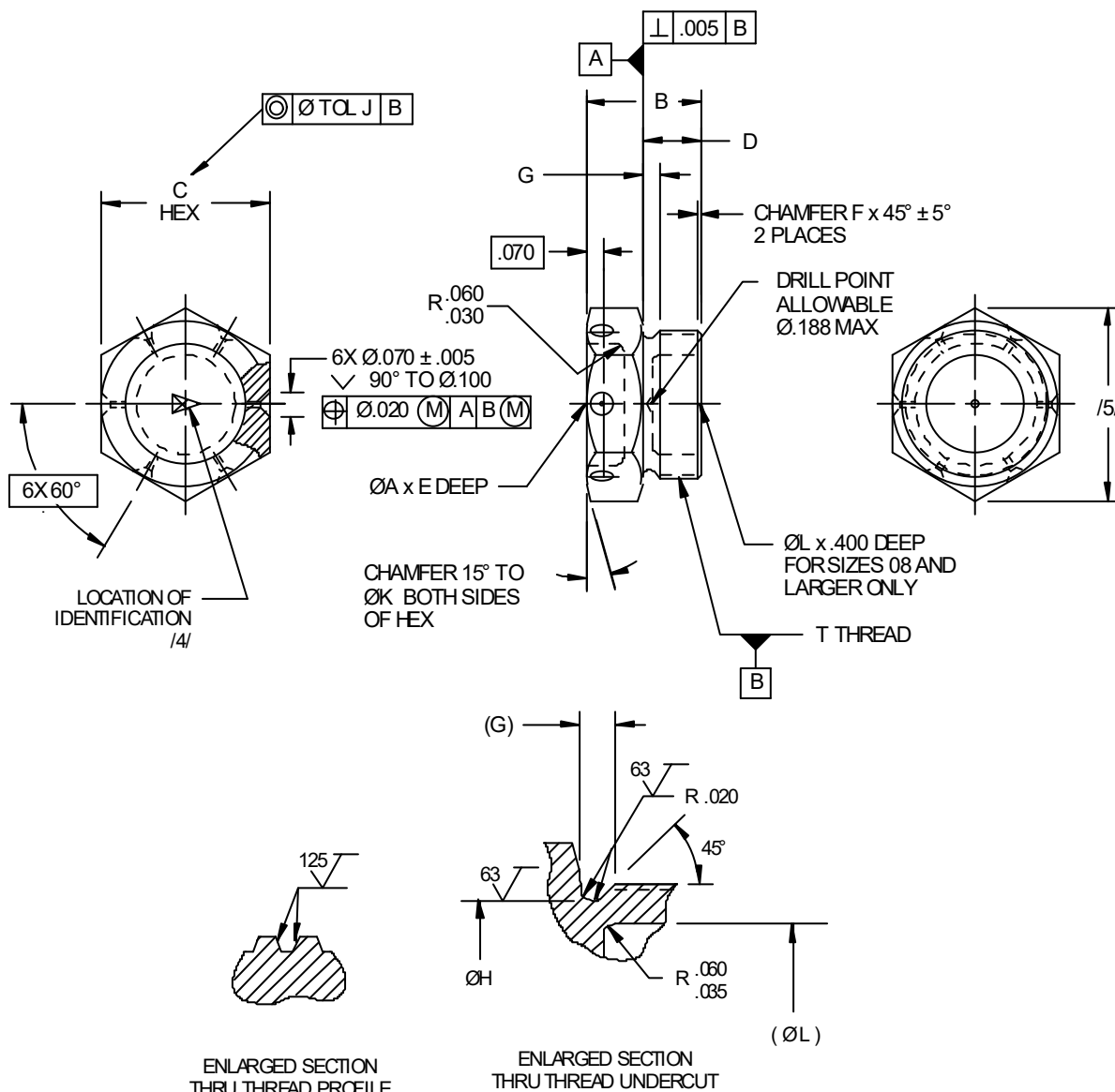
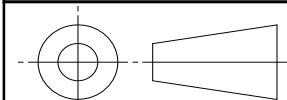


FIGURE 1 - FITTING, PLUG

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THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS4875 /3/



AEROSPACE STANDARD

(R) FITTING, PLUG, PORT,
STRAIGHT THREAD, O-RING SEAL

AS5170™
SHEET 1 OF 3

REV.
A

Documents

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TABLE 1 - DIMENSIONS (A THRU L) AND WEIGHTS

BASIC NO. AS5170 /12/ SIZE CODE	A	(T) THREAD PER AS8879 CLASS 3A	B	C ±.005	D	E	F ±.015	G +.007 -.008	H +.002 -.003	J	K	L	WEIGHT LB/100 APPROX REF
01	.250	.2500-28 UNJF	.540	.435	.320	.130	.035	.088	.158	.013	.438	-	.370
02	.312	.3125-24 UNJF	.580	.559	.360	.130	.035	.090	.222	.017	.562	-	.650
03	.375	.3750-24 UNJF	.580	.622	.360	.130	.035	.081	.288	.019	.625	-	.850
04	.438	.4375-20 UNJF	.640	.685	.400	.130	.045	.084	.351	.021	.688	-	1.16
05	.500	.5000-20 UNJF	.650	.747	.400	.130	.045	.084	.414	.023	.750	-	1.39
06	.562	.5625-18 UNJF	.660	.809	.400	.130	.055	.134	.421	.024	.812	-	1.90
07	.625	.6250-18 UNJF	.730	.872	.440	.160	.055	.134	.483	.026	.875	-	2.28
08	.750	.7500-16 UNJF	.730	.997	.440	.160	.055	.128	.609	.030	1.000	.250	3.09
10	.875	.8750-14 UNJF	.740	1.122	.440	.160	.065	.120	.730	.030	1.125	.375	4.14
11	1.000	1.0000-14 UNJS	.780	1.247	.440	.200	.065	.120	.862	.030	1.250	.500	5.43
12	1.062	1.0625-12 UNJ	.830	1.372	.480	.200	.065	.165	.868	.030	1.375	.562	6.02
13	1.125	1.1250-12 UNJF	.830	1.435	.480	.200	.065	.165	.931	.030	1.438	.625	6.50
15	1.250	1.2500-12 UNJF	.840	1.560	.480	.200	.065	.165	1.053	.030	1.562	.750	7.24
16	1.312	1.3125-12 UNJ	.840	1.622	.480	.200	.065	.165	1.117	.030	1.625	.812	7.90
17	1.375	1.3750-12 UNJF	.840	1.685	.480	.200	.065	.165	1.178	.030	1.688	.875	8.44
18	1.438	1.5000-12 UNJF	.850	1.747	.480	.200	.065	.165	1.306	.030	1.750	.984	9.35
20	1.625	1.6250-12 UNJ	.850	1.935	.480	.200	.065	.165	1.431	.050	1.938	1.125	10.6
22	1.750	1.7500-12 UNJ	.850	2.059	.480	.200	.065	.165	1.556	.050	2.062	1.250	11.8
24	1.875	1.8750-12 UNJ	.860	2.185	.480	.200	.065	.165	1.678	.050	2.188	1.375	13.0
26	2.000	2.0000-12 UNJ	.860	2.309	.480	.200	.065	.165	1.804	.050	2.312	1.500	14.3
27	2.125	2.1250-12 UNJ	.860	2.435	.480	.200	.065	.165	1.934	.050	2.438	1.625	15.7
28	2.250	2.2500-12 UNJ	.870	2.559	.480	.200	.065	.165	2.056	.050	2.562	1.750	17.2
30	2.375	2.3750-12 UNJ	.870	2.685	.480	.200	.065	.165	2.181	.050	2.688	1.875	18.6
32	2.500	2.5000-12 UNJ	.870	2.809	.480	.200	.065	.165	2.306	.050	2.812	2.000	20.3

NOTES:

- /1/ MATERIAL: CODE LETTER W - TYPE 7075-T73 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/9 OR TYPE 7075-T7351 ALUMINUM ALLOY BAR PER AMS4124.
2. FINISH: MATERIAL CODE LETTER W - ANODIZE PER AMS2472 OR MIL-A-8625, TYPE II, CLASS 2, DYED BROWN, DUPLEX SEALED PER PROCUREMENT SPECIFICATION.
- /3/ PROCUREMENT SPECIFICATION: AS4875 EXCEPT AS SPECIFIED ON THIS STANDARD. PRODUCT SUPPLIED TO THIS SPECIFICATION SHALL BE MANUFACTURED BY AN ACCREDITED MANUFACTURER LISTED IN THE NATIONAL AEROSPACE AND DEFENSE CONTRACTORS ACCREDITATION PROGRAM (NADCAP) QUALIFIED MANUFACTURER LIST (QML) FOR THIS PRODUCT TYPE. THE QML IS AVAILABLE AT www.eAuditNet.com.
- /4/ IDENTIFICATION AT LOCATION SHOWN: MARK PER AS478 CLASS C OR D, OR METHOD 7A3, 15A3, OR 15B.
 - a. FOR SIZES 07 AND SMALLER: MANUFACTURER'S NAME, CAGE CODE OR TRADEMARK, LETTERS "AS" AND MATERIAL CODE LETTER.
 - b. FOR SIZES 08 AND LARGER: MANUFACTURER'S NAME, CAGE CODE OR TRADEMARK, BASIC PART NUMBER, AND MATERIAL CODE LETTER.
- /5/ THE HEX CORNERS MAY BE ROUNDED PER ARP1942.
6. INTERPRETATION OF DRAWING PER AS4296.
7. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M; REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, MACHINED SURFACES TO BE 125 MICROINCHES Ra. SURFACES OF HEX FLATS MAY BE 250 MICROINCHES Ra.
8. BREAK EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
9. DIMENSIONING AND TOLERANCING: ASME Y14.5M-1994.

	AEROSPACE STANDARD		AS5170™ SHEET 2 OF 3	REV. A
	(R) FITTING, PLUG, PORT, STRAIGHT THREAD, O-RING SEAL			

