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**REV.  
E**

**AS1714™**

FEDERAL SUPPLY CLASS  
4730

**RATIONALE**

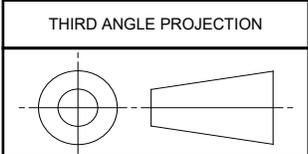
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ISSUED 1982-05 REVISED 2006-08 REAFFIRMED 2013-01 STABILIZED 2024-07

CUSTODIAN: G-3/G-3A		PROCUREMENT SPECIFICATION: AS1710 /4/	
	<b>AEROSPACE STANDARD</b>		<b>AS1714™</b>
	NUT ASSEMBLY, COUPLING, FLEXIBLE, VARIABLE CAVITY, THREADED, FERRULE TYPE TUBE ENDS		

WARNING

THIS DOCUMENT INCLUDES CADMIUM AS A PLATING MATERIAL. THE USE OF CADMIUM HAS BEEN RESTRICTED AND/OR BANNED FOR USE IN MANY COUNTRIES DUE TO ENVIRONMENTAL AND HEALTH CONCERNS. THE USER SHOULD CONSULT WITH LOCAL OFFICIALS ON APPLICABLE HEALTH AND ENVIRONMENTAL REGULATIONS REGARDING ITS USE.

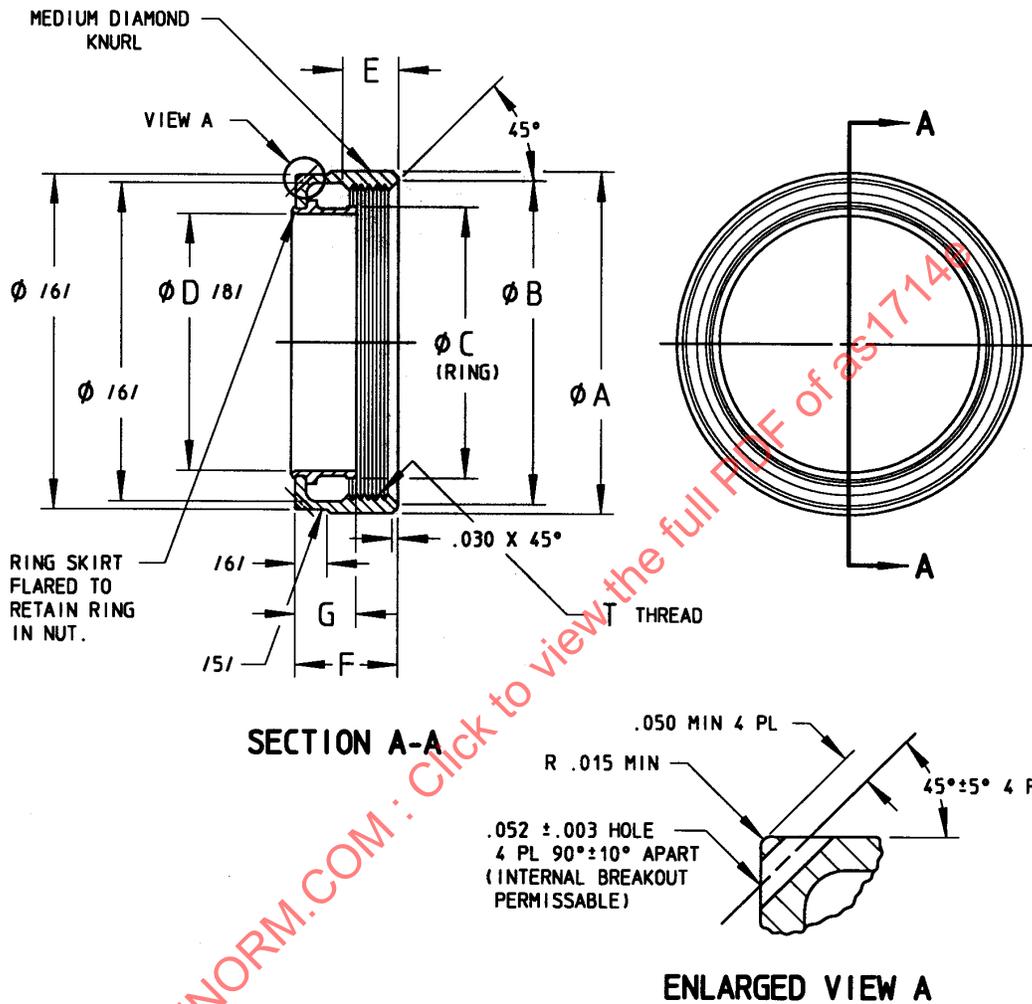


FIGURE 1 - NUT ASSEMBLY

	<b>AEROSPACE STANDARD</b>	<b>AS1714™</b> SHEET 1 OF 3	<b>REV.</b> <b>E</b>
	NUT ASSEMBLY, COUPLING, FLEXIBLE, VARIABLE CAVITY, THREADED, FERRULE TYPE TUBE ENDS		

TABLE 1 - COUPLING NUT ASSEMBLY DIMENSIONS AND WEIGHTS

BASIC NO. AS1714 SIZE CODE	(TUBE SIZE)	THREAD T PER FED-STD-H28/2 OR ASME B1.1	A MAX DIA OF KNURL	B ±.005	C +.000/-.005 /13/	D MIN	E COMPLETE THREAD DEPTH			WEIGHT LB/EA APPROX. REF. ALUMINUM	WEIGHT LB/EA APPROX. REF. CRES
							MIN	F	G		
-08	.500	1.000-12 UNF-2B	1.157	1.045	.780	.693	.361	.638	.390	.024	.069
-10	.625	1.125-12 UNF-2B	1.282	1.170	.905	.818	.361	.638	.390	.028	.079
-12	.750	1.375-12 UNF-2B	1.532	1.420	1.086	.998	.334	.611	.363	.033	.095
-16	1.000	1.625-12 UN-2B	1.782	1.670	1.362	1.274	.334	.611	.363	.040	.112
-20	1.250	1.875-12 UN-2B	2.032	1.920	1.612	1.524	.334	.611	.363	.046	.130
-24	1.500	2.250-12 UN-2B	2.407	2.295	1.882	1.794	.334	.611	.363	.055	.154
-28	1.750	2.500-12 UN-2B	2.657	2.545	2.132	2.044	.334	.611	.363	.061	.173
-32	2.000	2.875-12 UN-2B	3.052	2.905	2.435	2.317	.334	.611	.363	.081	.230
-36	2.250	3.125-12 UN-2B	3.302	3.170	2.685	2.567	.334	.611	.363	.088	.249
-40	2.500	3.250-12 UN-2B	3.427	3.295	2.935	2.817	.334	.611	.363	.090	.254
-44	2.750	3.500-12 UN-2B	3.677	3.545	3.185	3.067	.334	.611	.363	.098	.278
-48	3.000	3.750-12 UN-2B	3.927	3.795	3.435	3.317	.334	.611	.363	.105	.297
-56	3.500	4.250-12 UN-2B	4.427	4.295	3.947	3.829	.334	.611	.363	.120	.338
-64	4.000	4.750-12 UN-2B	4.928	4.796	4.456	4.338	.334	.611	.363	.134	.379
-72	4.500	5.500-12 UN-2B	5.678	5.546	4.957	4.839	.306	.611	.363	.163	.462
-80	5.000	6.000-12 UN-2B	6.178	6.046	5.494	5.359	.306	.611	.333	.183	.518
-88	5.500	6.375-12 UNS-2B	6.553	6.421	5.995	5.859	.334	.644	.366	.198	.561

NOTES:

1. MATERIAL

- a. NUT: ALUMINUM ALLOY 2024-T6, -T851, -T8510 OR -T8511 PER AMS-QQ-A-225/6 OR AMS-QQ-A-200/3
- b. NUT: 15-5PH CORROSION RESISTANT STEEL PER AMS 5659
- c. RING: ALUMINUM ALLOY 2024-T4, T351, T6, T851, -T8510 OR -T8511 PER AMS-QQ-A-225/6 OR AMS-QQ-200/3
- d. RING: 15-5PH CORROSION RESISTANT STEEL PER AMS 5659, COND. ST

2. HEAT TREATMENT:

- a. CRES NUT: HEAT TREAT TO H900 CONDITION PER AMS 2759/3

	<b>AEROSPACE STANDARD</b>	<b>AS1714™</b> SHEET 2 OF 3	<b>REV.</b> <b>E</b>
	NUT ASSEMBLY, COUPLING, FLEXIBLE, VARIABLE CAVITY, THREADED, FERRULE TYPE TUBE ENDS		