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REV.
A

AS5545™

FEDERAL SUPPLY CLASS
4730

RATIONALE

UPDATED SPECIFICATION CALLOUTS TO CURRENT NOMENCLATURE. REVISION INDICATOR NOTE 14 AND INVENTORY DISPOSITION NOTE 15 ADDED.

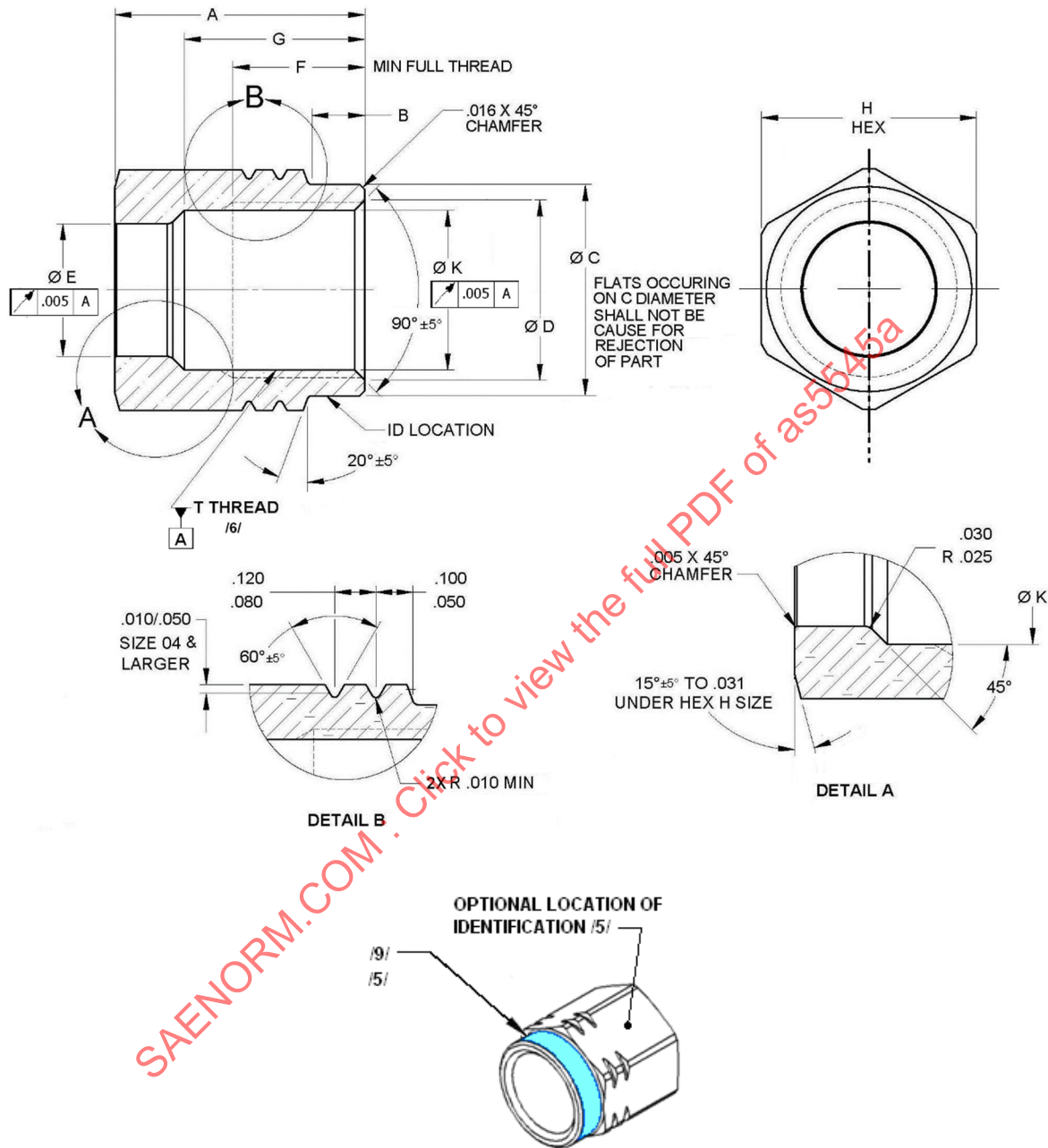
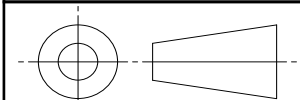


FIGURE 1 - NUT, COUPLING, FLARELESS

For more information on this standard, visit
<https://www.sae.org/standards/content/AS5545A>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: /4/



AEROSPACE STANDARD

NUT COUPLING,
FLARELESS, EXTRA FINE THREAD,
5080 PSI

AS5545™
SHEET 1 OF 3

REV.
A

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ISSUED 2010-10 REVISED 2023-08

TABLE 1A - DIMENSIONS A-E

BASIC NO. AS5545 /14/ SIZE CODE	(NOMINAL TUBE SIZE)	T THREAD ISO 3161 /6/	A ±.010	B ±.010	C	D ±.016	E
04	.250	.4375-28 UNJEF-3B	.720	.180	.552- .557	.453	.300- .305
06	.375	.5625-24 UNJEF-3B	.800	.180	.677- .682	.578	.425- .430
08	.500	.7500-20 UNJEF-3B	.860	.180	.865- .870	.766	.552- .557
10	.625	.8750-20 UNJEF-3B	.980	.220	.990- .995	.891	.690- .695
12	.750	1.0625-18 UNJEF-3B	1.000	.240	1.240-1.245	1.078	.826- .831
16	1.000	1.3125-16 UNJ-3B	1.050	.260	1.490-1.495	1.328	1.074-1.079
20	1.250	1.6250-16 UNJ-3B	1.050	.260	1.990-1.995	1.641	1.330-1.335

TABLE 1B - DIMENSIONS F-K

BASIC NO. AS5545 /13/ SIZE CODE	F MIN	G ±.010	H	K	APPROX WEIGHT, REF. LB/EA
-4	.431	.547	.558- .565	.4027- .4086	.016
-6	.422	.578	.684- .691	.5219- .5281	.021
-8	.516	.609	.871- .878	.7013- .7081	.040
-10	.578	.687	.996-1.003	.8263- .8331	.047
-12	.562	.687	1.246-1.253	1.0084-1.0159	.085
-16	.562	.687	1.496-1.503	1.2517-1.2602	.126
-20	.562	.678	1.984-2.016	1.4720-1.4920	.271

NOTES:

- /1/ MATERIAL CODE: LETTER T—TYPE 6AL-4V, CONDITION A, TITANIUM ALLOY PER AMS4928 OR AMS4967.
2. HEAT TREATMENT: MATERIAL CODE LETTER T—NONE.
3. FINISH: MATERIAL CODE LETTER T—FLUORIDE-PHOSPHATE CONVERSION COAT PER AMS2486 OR ANODIZE PER AMS2488. FINAL COLOR TO BE SIMILAR TO COLOR 36076 THROUGH 36176 OF AMS-STD-595.
- /4/ THIS PART SHALL BE MANUFACTURED BY AN ACCREDITED MANUFACTURER LISTED IN THE NADCAP QUALIFIED MANUFACTURER LIST (QML) FOR 5080 PSI HYDRAULIC FLARELESS FITTING OR HOSE ASSEMBLIES SUCH AS AS5958 OR AS5951. THE QML IS AVAILABLE AT www.eAuditNet.com. THE QUALIFICATION OF THIS PART SHALL BE DETERMINED AT THE ASSEMBLY LEVEL.
- /5/ IDENTIFICATION: MARK PER AS478 CLASS C OR D, OR METHOD 7A3, 15A3, OR 15B. MARK MANUFACTURER'S NAME, TRADEMARK OR CAGE CODE, LETTERS "AS" FOR SIZES 04 AND 06, OR AS PART NUMBER IF SPACE PERMITS AND LOT NUMBER. IDENTIFICATION SHALL BE ON THE AREA SHOWN.
- /6/ GAUGING AND CONFORMANCE REQUIREMENTS FOR ISO 3161 THREADS SHALL FOLLOW PRACTICES OUTLINED BY AS8879 CATEGORY 1.
7. DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ±.005, ANGLES ±0° 30'. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994.
- /8/ SOLID FILM LUBRICANT: SUFFIX LETTER N—PARTS SHALL BE COATED ON THE INTERNAL SURFACES ONLY PER AS5272, TYPE 1 OR TYPE 2. MINOR OVERSPRAY IS PERMISSIBLE.
- /9/ COATINGS: THE OUTER SURFACE SHALL BE COMPLETELY BLUE COLORED OR TO "B" MINIMUM WIDTH TO INDICATE 5080 PSI MAXIMUM OPERATING PRESSURE. AN AS1241 FLUID RESISTANT PTFE COATING OR PAINT SHALL BE USED. FINAL COLOR TO BE SIMILAR TO EITHER OF THE FOLLOWING COLORS 35180, 35183, 35250, 35450, 35466, AND 35488 OF AMS-STD-595.
10. INTERPRETATION OF DRAWING PER AS4296.
11. BREAK EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.

	AEROSPACE STANDARD		AS5545™ SHEET 2 OF 3	REV. A
	NUT COUPLING, FLARELESS, EXTRA FINE THREAD, 5080 PSI			