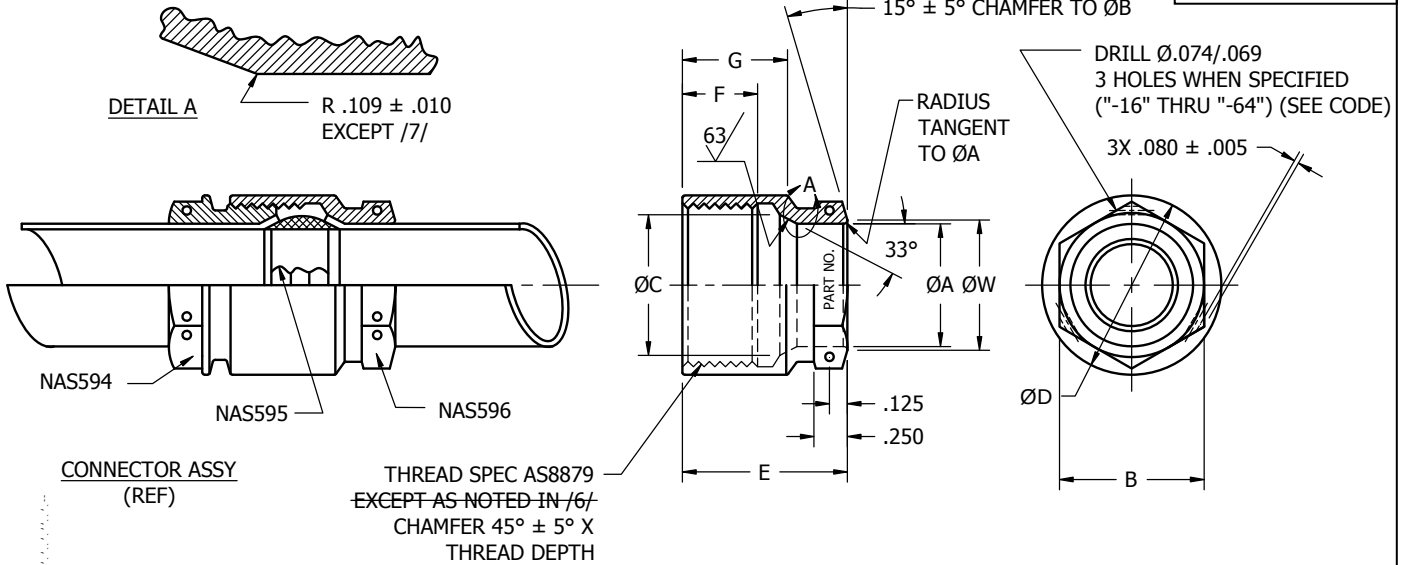
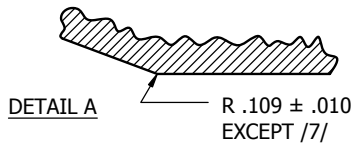


FED. SUPPLY CLASS

4730



CONNECTOR ASSY
(REF)

THREAD SPEC AS8879
EXCEPT AS NOTED IN /6/
CHAMFER 45° ± 5° X
THREAD DEPTH

⑦ TABLE I – DIMENSIONS

DASH NO.	TUBE OD	THREAD SIZE	ØA NUT ID		B HEXAGON SIZE ±.010	ØC FLARE +.002 - .000	ØD ±.010	E LENGTH ±.010	F THREAD LENGTH ±.010	G DEPTH ±.010	WT. (MAX) LBS	ØW ±.010 DIA OF RAD CENTER
4	.250	.4375-20 UNJF-3B	.255	+.003 - .000	.340	.315	.478	.865	.350	.465	.013	.280
5	.313	.5000-20 UNJF-3B	.317		.402	.377	.568	.865	.350	.465	.020	.342
6	.375	.5625-18 UNJF-3B	.380		.465	.441	.658	.895	.380	.490	.025	.405
8	.500	.7500-16 UNJF-3B	.505		.590	.589	.858	.955	.440	.550	.037	.530
10	.625	.8750-14 UNJF-3B	.631	+.005 - .000	.750	.730 /8/	1.025	1.137	.505	.630	.080	.690
12	.750	1.0625-12 UNJ-3B	.755		.875	.969 /8/	1.155	1.158	.526	.651	.080	.815
16	1.000	1.3125-12 UNJ-3B	1.020	+.006 - .000	1.125	1.219 /8/	1.411	1.158	.401	.651	.100	1.065
20	1.250	1.6250-12 UNJ-3B	1.270		1.375	1.469 /8/	1.734	1.189	.401	.651	.135	1.315
24	1.500	1.8750-12 UNJ-3B	1.520		1.625	1.719 /8/	1.984	1.250	.431	.681	.160	1.565
28	1.750	2.2500-12 UNJ-3B	1.772	+.003 - .000	1.875	1.945 /8/	2.344	1.375	.531	.781	.225	1.815
32	2.000	2.5000-12 UNJ-3B	2.020		2.125	2.195 /8/	2.594	1.375	.531	.781	.240	2.065
40	2.500	3.0000-12 UNJ-3B	2.520		2.625	2.695 /8/	3.094	1.375	.531	.781	.300	2.565
48	3.000	3.5000-12 UNJ-3B	3.014		3.125	3.195 /8/	3.594	1.375	.531	.781	.360	3.065
64	4.000	4.5000-12 UNJ-3B	4.020		4.250	4.195 /8/	4.609	1.438	.601	.851	.630	4.136

MATERIAL:

CRES. SEE PROCUREMENT SPECIFICATION.

FINISH:

SEE PROCUREMENT SPECIFICATION.

THIRD ANGLE PROJECTION	
PROCUREMENT SPECIFICATION	
NAS597	

CUSTODIAN	NATIONAL AEROSPACE STANDARDS COMMITTEE
TITLE	NUT, RIGID TUBE CONNECTOR, CRES

REVISION	7
CLASSIFICATION	PART STANDARD
DIAS596	
SHEET 1 OF 2	

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
1000 WILSON BLVD.
ARLINGTON, VA 22209

THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE SAME PRODUCT AND SHALL BECOME EFFECTIVE NO LATER THAN SIX MONTHS FROM THE LAST REVISION DATE.

FORM 12-01

REVISION DATE: FEBRUARY 29, 2016

ISSUE DATE: AUGUST 1955

CODE:

ADD "H" AFTER DASH NUMBER FOR NUT WITH DRILLED HEXAGON.

EXAMPLES OF PART NUMBERS:

NAS596-16 = CRES NUT WITHOUT DRILLED HEXAGON FOR 1 INCH TUBE.
 NAS596-16H = CRES NUT WITH DRILLED HEXAGON FOR 1 INCH TUBE.

NOTES:

- (1) REMOVE ALL BURRS AND SHARP EDGES.
- (2) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (3) SURFACE MAKING CONTACT WITH TUBING FLARE SHALL BE FREE FROM BURRS, LONGITUDINAL FLATS, LONGITUDINAL AND SPIRAL TOOL MARKS, EXCEPT THAT ANNULAR TOOL MARKS WILL BE ALLOWED IF 90% OF CONTACT AREA IS INDICATED BY BLUEING METHOD OF INSPECTION.
- (4) SURFACE ROUGHNESS: MACHINED SURFACE EXCEPT FLARE CONTACT AREA OF NUT: 125 MICROINCHES Ra PER ASME B46.1; AND SURFACE TEXTURE SYMBOLS SHALL BE IN ACCORDANCE WITH ASME Y14.36M.
- (5) TOLERANCES UNLESS OTHERWISE SPECIFIED: ANGLES $\pm 0^{\circ}30'$.
- /6/ THREAD TAP DRILL DIAMETER: "4" = $\varnothing.393/.388$; "5" = $\varnothing.453/.448$; "6" = $\varnothing.513/.508$; "8" = $\varnothing.693/.688$; "10" = $\varnothing.788/.806$; "12" = $\varnothing.972/.983$.
- /7/ "4" = R .032; "5" = R .046; "6" = R .062; "8" = R .094.
- /8/ TOLERANCE $\pm .005$.
- (9) ENGINEERING INFORMATION: TO BE USED WITH TUBING FLARE THICKNESSES OF .010 TO .065 EXCEPT "64" WHICH IS .010 TO .080.
- (10) DO NOT USE AT TEMPERATURES IN EXCESS OF 700 °F.
- (11) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (12) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (13) UNLESS OTHERWISE SPECIFIED HEREIN, REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF MANUFACTURE. HOWEVER, EXISTING MATERIAL INVENTORY CERTIFIED TO A PREVIOUS REVISION OF THE APPLICABLE MATERIAL SPECIFICATION(S) IS ACCEPTABLE FOR USE UNTIL DEPLETION.
- (14) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.

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FORM 12-01

REVISION

7

NAS596
SHEET 2



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