REV D

AS3351

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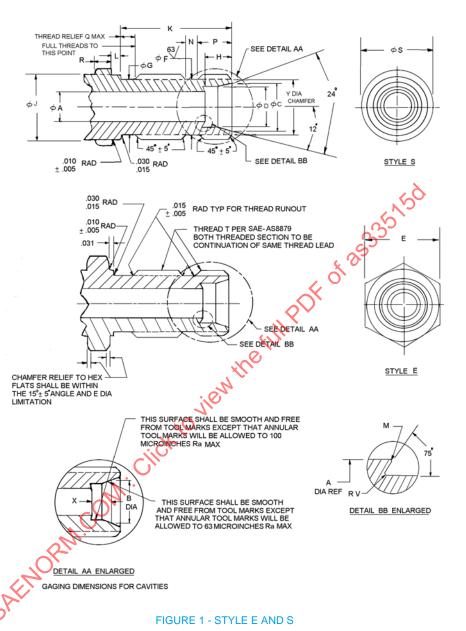
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RATIONALE

CORRECTED EDITORIAL ERROR IN TABLE 1, "F" DIMENSION HEADER REFERENCE NOTE /10/.



INACTIVE FOR NEW DESIGN /6/

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Ш THIRD ANGLE PROJECTION SSU

CUSTODIAN: G-3/G-3B

AEROSPACE STANDARD

FITTING END, STANDARD DIMENSIONS FOR BULKHEAD FLARELESS TUBE CONNECTIONS

AS33515 SHEET 1 OF 3

PROCUREMENT SPECIFICATION: NONE

REV. D

REVISED 2014-11

REAFFIRMED 2007-01

1998-08

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TABLE 1 - DIMENSIONS DATA (A TO J)

									F		J		
				В		D			+.000	G			
SIZE	TUBE	THREAD T	Α	±.0001	С	+.004			003	+.000	Н		
NO.	OD	AS8879	±.003	GAGE	REF	000	Е		/10/	005	±.003	MAX	MIN
2	.125	.3125-24 UNJF-3A	.093	.163	.189	.135	.563		.250	.245	.188	.3125	.3053
3	.188	.3750-24 UNJF-3A	.125	.234	.267	.196	.625	+.003	.312	.307	.234	.3750	.3678
4	.250	.4375-20 UNJF-3A	.187	.293	.319	.261	.688	004	.364	.359	.234	.4375	.4294
5	.313	.5000-20 UNJF-3A	.234	.356	.382	.324	.750		.426	.421	.250	.5000	.4919
6	.375	.5625-18 UNJF-3A	.297	.416	.441	.386	.813		.481	.476	.250	.5625	.5538
8	.500	.7500-16 UNJF-3A	.422	.560	.601	.514	1.000		.660	.654	.305	.7500	.7406
10	.625	.8750-14 UNJF-3A	.500	.686	.727	.641	1.125		.773	.767	.350	.8750	.8647
12	.750	1.0625-12 UNJ-3A	.656	.810	.852	.766	1.375		.945	.938	.350	1.0625	1.0511
16	1.000	1.3125-12 UNJ-3A	.875	1.062	1.102	1.016	1.625	±.016	1.195	1.188	.415	1.3125	1.3011
20	1.250	1.6250-12UNJ-3A	1.093	1.316	1.355	1.270	1.875	±.010	1.507	1.501	.415	1.6250	1.6136
24	1.500	1.8750-12 UNJ-3A	1.344	1.565	1.604	1.520	2.125	±.020	1.756	1.750	.485	1.8750	1.8636
32	2.000	2.5000-12 UNJ-3A	1.813	2.068	2.108	2.022	2.750	±.020	2.381	2.375	.485	2.5000	2.4886

TABLE 1 - DIMENSIONS DATA (K TO Y)

				М	N				S	V R	AD	<u> </u>		
SIZE	TUBE			MAX	+.010	Р	Q	R	±.031			DW	X	Υ
NO.	OD	K	L	RAD	000	±.005	MAX	±.030	DIA	MAX	MIN	MAX	±.005	±.010
2	.125	.828			.125	.290	.078	.110	.438	.010	005		.128	.250
3	.188	.875		.005	.131	.340	.076	.110	.500) '		.158	.310
4	.250	.938	.094	.005	.140	.355	.090	.120	.562	~~			.174	.365
5	.313	.930	.094		.140	.333	.090	.120	.625	y			.190	.425
6	.375	.984			.156	.365	.098	.140	688			.005	.193	.480
8	.500	1.125			.187	.445	.109	.160	.875	.015	.010		.210	.660
10	.625	1.266		.010	.219	.495	.122	.170	1.000				.255	.775
12	.750							20	1.187				.253	.945
16	1.000	1.375	.125					11,	1.438				.322	1.195
20	1.250	1.373	.123		.234	.545	.140	.190	1.750			.008	.325	1.505
24	1.500			.015	.234	.545	. 6	.190	2.000	.025	.020	.006	.390	1.755
32	2.000	1.578				4			2.625				.395	2.380

NOTES:

- 1. CONCENTRICITY: D, C, AND T (PITCH DIAMETER) SHALL BE CONCENTRIC TO EACH OTHER WITHIN .008 TOTAL INDICATOR READING (TIR). F AND T (PITCH DIAMETER) SHALL BE CONCENTRIC TO EACH OTHER WITHIN .005 TIR.
- 2. THREAD AND FACE OF HEX SHALL BE SQUARE WITHIN W WHEN MEASURED AT DIAMETER E.
- 3. SURFACE ROUGHNESS SHALL BE IN ACCORDANCE WITH ASME B46.1.
- 4. ON STYLE S FITTING END, THE LOTMENSION PROVIDES FOR A WASHER TO FORM BACKING FACE AGAINST BULKHEAD AND A .031 INCH LAND FOR POSITIONING IN BULKHEAD. ON STYLE E FITTING END NO WASHER IS REQUIRED.
- 5. CERTAIN PROVISIONS (SCREW THREADS, HEXAGON SIZE AND UNDERCUT DIMENSIONS) OF THIS STANDARD ARE SUBJECT OF INTERNATIONAL STANDARDIZATION AGREEMENT ASCC AIR STANDARD 25/6. WHEN REVISION OR CANCELLATION OF THIS STANDARD IS PROPOSED WHICH WILL AFFECT OR VIOLATE THE INTERNATIONAL AGREEMENT CONCERNED, THE PREPARING ACTIVITY WILL TAKE APPROPRIATE RECONCILIATION ACTION THROUGH INTERNATIONAL STANDARDIZATION CHANNELS, INCLUDING DEPARTMENTAL STANDARDIZATION OFFICES IF REQUIRED.
- /6/ THIS STANDARD IS INACTIVE FOR NEW DESIGN EFFECTIVE JULY 2008. FOR NEW DESIGN, USE AS4377, "FITTING END, BULKHEAD, FLARELESS, DESIGN STANDARD" OR AS5864, "FITTING END, BULKHEAD, 24° CONE, FLARELESS, FLUID CONNECTION, DESIGN STANDARD".REMOVE ALL BURRS, SLIVERS, AND SHARP EDGES.
- 7. REMOVE ALL BURRS, SLIVERS AND SHARP EDGES.

	AEROSPACE STANDARD	A C 2 2 5 4 5	REV. D
INTERNATIONAL	FITTING END, STANDARD DIMENSIONS FOR BULKHEAD	AS33515 SHEET 2 OF 3	
INTERNATIONAL	FLARELESS TUBE CONNECTIONS		