

REV.  
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AS1582™

RATIONALE

CLASSES 3A ADDED TO TABLE 1 HEADING FOR THE THREADS. PROCUREMENT SPECIFICATION NOTE UPDATED TO CURRENT QPL VERBIAGE. QPL REQUIREMENT DATE REMOVED, AS THE REQUIRED DATE HAS NOW PASSED. REFERENCED STANDARD ARP4296 UPDATED TO CURRENT AS4296. INVENTORY DISPOSITION NOTE 17 ADDED.

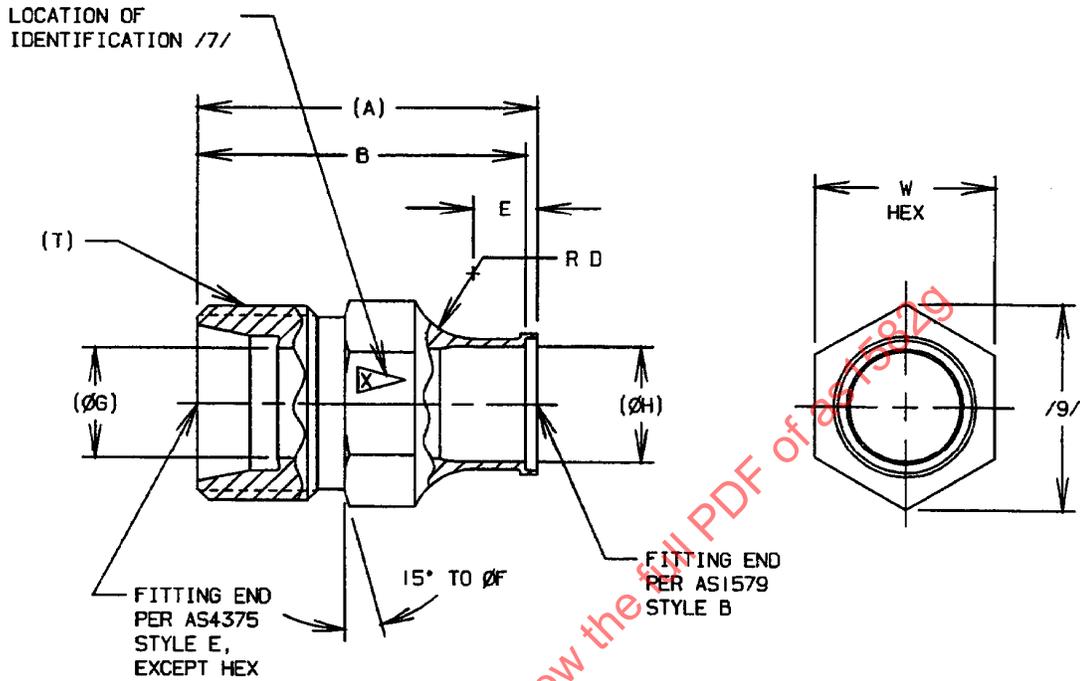
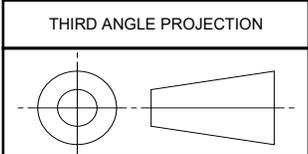


FIGURE 1 FITTING, ADAPTER

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<https://www.sae.org/standards/content/AS1582G>



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS1576 /6/



**AEROSPACE STANDARD**

FITTING, ADAPTER, EXTERNAL THREAD  
FLARELESS TO INTEGRAL WELD RING,  
3000 PSI

AS1582™  
SHEET 1 OF 3

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ISSUED 1980-02 REAFFIRMED 2007-11 REVISED 2023-06

**TABLE 1 - DIMENSIONS A-F**

BASIC NO. AS1582 /16/ SIZE CODE	NOMINAL TUBE SIZE	NOMINAL TUBE WALL	T THREAD PER AS8879 CLASS 3A	A	B ±.005	D	E	F ±.010
04	.250	.016	.4375-20 UNJF	1.155	1.120	.200	.250	.418
05	.312	.020	.5000-20 UNJF	1.155	1.120	.200	.250	.480
06	.375	.020	.5625-18 UNJF	1.155	1.120	.200	.250	.480
08	.500	.026	.7500-16 UNJF	1.305	1.260	.250	.250	.668
10	.625	.033	.8750-14 UNJF	1.455	1.410	.300	.250	.792
12	.750	.039	1.0625-12 UNJ	1.555	1.500	.300	.300	.980
16	1.000	.052	1.3125-12 UNJ	1.605	1.540	.300	.300	1.228
20	1.250	.065	1.6250-12 UNJ	1.655	1.580	.300	.300	1.603

**TABLE 1A - DIMENSIONS G-W AND WEIGHTS**

BASIC NO. AS1582 /16/ SIZE CODE	G	H	W	LB/100 APPROX REF CRES	LB/100 APPROX REF TI
04	.187	.212	.482-.440	.0274	.0151
05	.234	.266	.490-.502	.0353	.0195
06	.297	.329	.490-.502	.0367	.0202
08	.422	.442	.678-.691	.0726	.0401
10	.500	.553	.802-.815	.114	.0631
12	.656	.666	.990-1.003	.154	.0852
16	.875	.890	1.238-1.253	.248	.137
20	1.093	1.114	1.613-1.630	.422	.233

NOTES:

/1/ MATERIAL:

- a. CODE LETTER T: TYPE 6AL-4V TITANIUM ALLOY BAR PER AMS4928.
- b. CODE LETTER V: TYPE 15-5PH CORROSION RESISTANT STEEL BAR PER AMS5659.

2. HEAT TREATMENT:

- a. MATERIAL CODE LETTER T: NONE.
- b. MATERIAL CODE LETTER V: HEAT TREAT TO CONDITION H 1075 PER AMS2759/3.

3. FINISH: NONE.

/4/ CLEANING:

- a. NO SUFFIX CODE LETTER IN PART NUMBER: CLEAN BY ANY SUITABLE METHOD PER PROCUREMENT SPECIFICATION.
- b. SUFFIX CODE LETTER "C" IN PART NUMBER: HOT ALKALINE CLEAN PER PROCUREMENT SPECIFICATION.
- c. SUFFIX CODE LETTER "E" IN PART NUMBER FOR TITANIUM ALLOY PARTS ONLY: NITRIC-HYDROFLUORIC ACID ETCH PER PROCUREMENT SPECIFICATION.

5. PACKAGING: PER PROCUREMENT SPECIFICATION.

	<b>AEROSPACE STANDARD</b>	<b>AS1582™</b> SHEET 2 OF 3	<b>REV.</b> <b>G</b>
	FITTING, ADAPTER, EXTERNAL THREAD FLARELESS TO INTEGRAL WELD RING, 3000 PSI		