

RATIONALE

ADD NOTE TO INDICATE ACTIVATION DATES FOR PRI-QPL-AS1576.

REV.  
F

SAE AS1582

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LOCATION OF IDENTIFICATION /7/

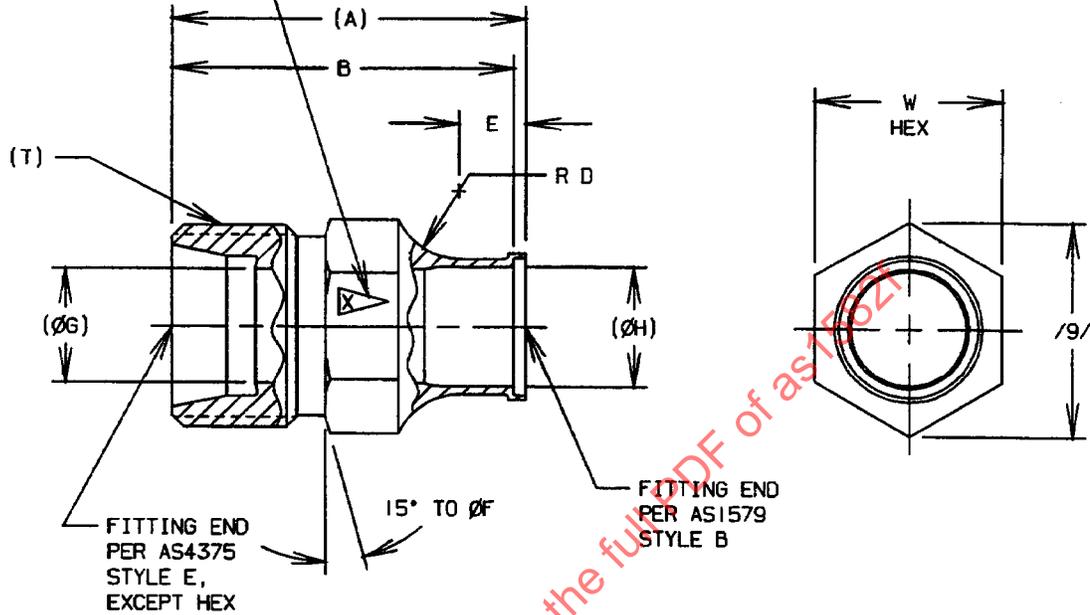


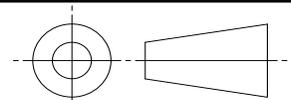
FIGURE 1 - FITTING, ADAPTER

TABLE 1 - DIMENSIONS

BASIC NO. AS1582 /16/ SIZE CODE	(NOMINAL TUBE SIZE)	(NOMINAL TUBE WALL)	T THREAD PER AS8879	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

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS1582F>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: /6/ AS1576

**SAE Aerospace**  
An SAE International Group

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

**SAE AS1582**  
SHEET 1 OF 3

**REV. F**

TABLE 1A - DIMENSIONS AND WEIGHTS

BASIC NO. AS1582 /16/ SIZE CODE	G	H	W	LB/100 APPROX REF CRES	LB/100 APPROX REF TI
04	.187	.212	.428- .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.

/6/ PROCUREMENT SPECIFICATION: AS1576 UNLESS OTHERWISE SPECIFIED ON THIS STANDARD. PRODUCT SUPPLIED TO THIS SPECIFICATION SHALL BE MANUFACTURED BY AN ACCREDITED MANUFACTURER AS LISTED IN THE PERFORMANCE REVIEW INSTITUTE (PRI) QUALIFIED PRODUCTS LIST PRI-QPL-AS1576 FOR THIS STANDARD. SEE <http://www.eauditnet.com> FOR CURRENT QPL ONLINE.

THIS QPL REQUIREMENT SHALL BE IN EFFECT FOR PURCHASE ORDERS PLACED ON OR AFTER JULY 1, 2013. SUPPLIERS SEEKING LISTING ON THE INITIAL QPL MUST APPLY TO PRI FOR APPROVAL NO LATER THAN JANUARY 1, 2013. UNTIL THE QPL IS IN EFFECT, USERS OF THIS STANDARD ARE ADVISED TO CONTROL SOURCE APPROVALS. TRANSITION TO PRI-QPL SHALL BE COMPLETED BY JULY 1, 2013.

## /7/ IDENTIFICATION AT LOCATION SHOWN: MARK PER AS478 CLASS C OR D OR METHOD 7A3, 15A3, OR 15B MANUFACTURER'S IDENTIFICATION, CAGE CODE NUMBER OR TRADEMARK, BASIC PART NUMBER FOR SIZE 08 AND LARGER, LETTERS "AS" FOR SIZE 06 AND SMALLER AND MATERIAL CODE LETTER.

 An SAE International Group	<b>AEROSPACE STANDARD</b>	 <b>AS1582</b> SHEET 2 OF 3	<b>REV.</b> <b>F</b>
	FITTING, ADAPTER, EXTERNAL THREAD FLARELESS TO INTEGRAL WELD RING, 3000 PSI		