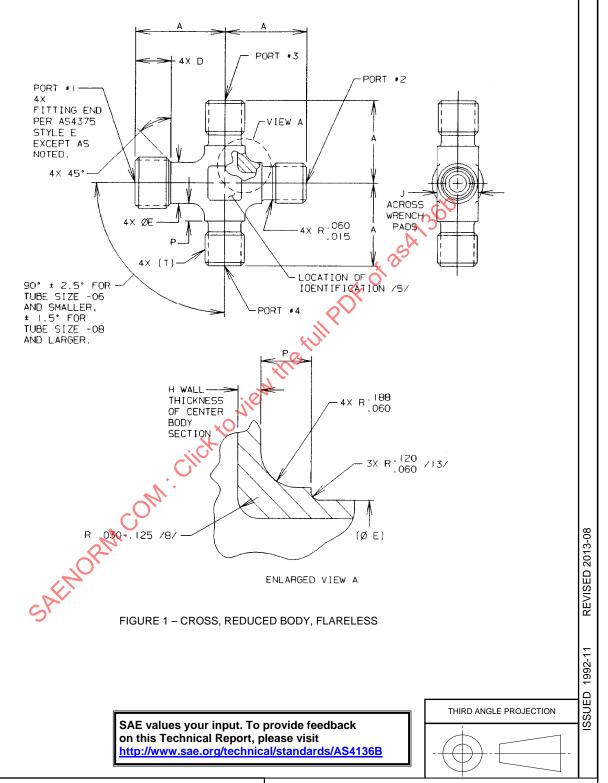
REV.

SAE AS4136

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THE PRI-QPL NOTE AND CADMIUM WARNING NOTE HAVE BEEN REVISED. CLARIFICATIONS TO PASSIVATION NOTE AND INTENDED USE NOTE HAVE BEEN ADDED, AND UPDATES MADE.



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: /4/ AS18280



AEROSPACE STANDARD

CROSS, STANDARD AND REDUCER, REDUCED BODY, **FLARELESS**

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TABLE 1 – DIMENSIONS AND WEIGHTS

BASIC NO.				LB/EA	LB/EA
AS4136				APPROX	APPROX
/18/	Н		Р	REF	REF
SIZE CODE	MIN	J	±.030	CRES	TI
SIZE CODE	IVIIIN	J	±.030	UNLO	
04	.050	.390	.030	.072	.040
05	.050	.453	.159	.083	.047
06	.050	.453	.137	.112	.063
08	.050	.577	.140	.217	.122
10	.070	.702	.157	.342	.192
12	.080	.890	.166	.512	.288
		.300		.3.2	30
16	.090	1.140	.174	.763	.428
20	.110	1.390	.071	1.200	.674
24	.130	1.640		1.537	.863

TABLE 2 – FITTING END

		T THREAD		, O.
SIZE	TUBE	PER AS8879		~ ^ ~
CODE	OD	CLASS 3A	D	₽×
				. 2
04	.250	.4375-20UNJF	.371	.350
05	.313	.5000-20UNJF	.371	.412
06	.375	.5625-18UNJF	.379	.453
			$\Delta \mathcal{O}^{*}$	
08	.500	.7500-16UNJF	.461	.577
10	.625	.8750-14UNJF	.511	.702
12	.750	1.0625-12UNJ	.556	.890
		0,		
16	1.000	1.3125-12UNJ	.556	1.140
20	1.250	1.6250-12UNJ	.556	1.390
24	1.500	1.8750-12UNJ	.556	1.640

TABLE 37 LEG LENGTH A

FORGING			_	(iO)					_
SIZE	04	05	06 (08	10	12	16	20	24
04	.898		· 1						
05	.961	.961	Oź,						
06	1.039	1.039	1.055						
80	1.164	1.164	1.180	1.273					
10	1.258	1.258	1.274	1.367	1.430				
12	1.351	1.351	1.367	1.460	1.523	1.586			
		1							
16	1.507	1.507	1.523	1.616	1.679	1.742	1.742		
20	1.663 🔈	1.663	1.679	1.772	1.835	1.896	1.896	1.898	
24	1.788	1.788	1.804	1.897	1.960	2.023	2.023	2.023	2.023

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NOTICE

THIS DOCUMENT REFERENCES A PART WHICH CONTAINS CADMIUM AS A PLATING MATERIAL. CONSULT LOCAL OFFICIALS IF YOU HAVE QUESTIONS CONCERNING CADMIUM'S USE.

/1/ MATERIAL

- a. CODE LETTER J: TYPE 304 CORROSION RESISTANT STEEL PER AMS5639
- b. CODE LETTER T: TYPE 6AL-4V TITANIUM ALLOY PER AMS4928
- c. CODE LETTER V: TYPE 15-5PH CORROSION RESISTANT STEEL PER AMS5659
- HEAT TREATMENT
 - a. MATERIAL CODE LETTER J: NONE
 - b. MATERIAL CODE LETTER T: NONE
 - c. MATERIAL CODE LETTER V: HEAT TREAT TO CONDITION H-1075 PER AMS2759/3

/3/ FINISH

- a. MATERIAL CODE LETTER J: PASSIVATE PER AMS2700 TYPE 6 OR 7
- b. MATERIAL CODE LETTER T: FLUORIDE PHOSPHATE CONVERSION COAT PER AMS2486
- c. MATERIAL CODE LETTER V:
 - (1) NO SUFFIX FINISH CODE LETTER: PASSIVATE PER AMS2700 TYPE 2 OR 8
 - (2) SUFFIX FINISH CODE LETTER "P"; CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2
- /4/ PROCUREMENT SPECIFICATION: AS18280 UNLESS SPECIFIED OTHERWISE 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 (QPL) PRI-QPL-AS18280 FOR THIS STANDARD. SEE http://www.eauditnet.com FOR CURRENT QPL ONLINE.
- /5/ IDENTIFICATION AT LOCATION SHOWN: MARK PER AS TO CLASS C OR D OR METHOD 7A3, 15A3, OR 15B.
 - a. FOR SIZES 06 (.375 OD TUBE SIZE) AND SMALLER: MANUFACTURER'S NAME, CAGE CODE OR TRADEMARK, LETTERS "AS", MATERIAL CODE LETTER AND FORGING MANUFACTURER'S IDENTIFICATION WHEN MADE FROM FORGING
 - b. FOR SIZES 08 (.500 OD TUBE SIZE) AND LARGER: MANUFACTURER'S NAME, CAGE CODE OR TRADEMARK, BASIC PART NUMBER, MATERIAL CODE LETTER AND FORGING MANUFACTURER'S IDENTIFICATION WHEN MADE FROM FORGING
- 6. THIS PART IS INTENDED FOR USE IN SYSTEMS WITH OPERATING PRESSURES AS FOLLOWS:
 - a. SIZES -04 THRU -16 AT 3000 psi
 - b. SIZES -20 AND -24 AT 1500 psi

NOTE: OPERATING PRESSURES HAVE BEEN CHANGED FROM 4000 PSI AND 2000 PSI TO 3000 PSI AND 1500 PSI TO COMPLY WITH AS18280 SYSTEM PRESSURE REQUIREMENTS. USERS OF THIS STANDARD FOR 4000 PSI SYSTEM APPLICATIONS ARE ADVISED TO CONTROL SOURCE APPROVAL BY STANDARD PAGE SUPPLEMENT OR SIMILAR MEANS.

- 7. WHEN MACHINED FROM BAR OR OVERSIZED FORGING, THE CENTER BODY SECTION SHALL CONFORM TO AS1376, TABLE 2.
- /8/ RADIUS APPLICABLE TO TITANIUM PARTS ONLY.
- 9. BREAK EDGES .003 TO .015 UNLESS OTHERWISE SPECIFIED.
- 10. THIS PART IS A REDUCED BODY VERSION OF MS21906 IF NONREDUCER, OR AS1006 IF REDUCER.
- /11/ SPECIFY END SIZES IN THIS ORDER: LARGEST END FIRST (PORT #1), OPPOSITE END ON RUN SECOND (PORT #2), LARGEST END ON SIDE THIRD (PORT #3), OPPOSITE END FOURTH (PORT #4).

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SAE Aerospace An SAE International Group	CROSS, STANDARD AND REDUCER, REDUCED BODY, FLARELESS	SAE AS4136 SHEET 3 OF 4	B