

AS85421/8

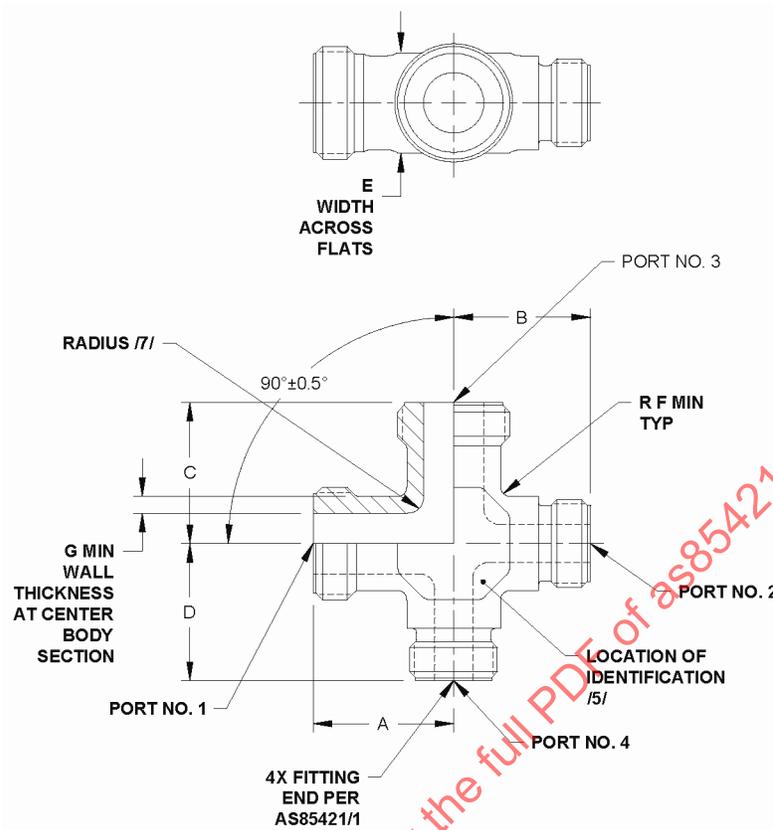
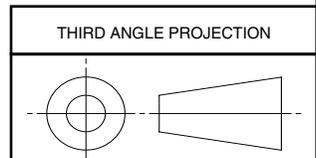


FIGURE 1 - FITTING, CROSS, REDUCER

TABLE 1

BASIC NO.	PORT									WEIGHT	WEIGHT	
AS85421/8	NO. 1	NO. 2	NO. 3	NO. 4	A	B	C	D	E	F	LB/100	LB/100
/15/	SIZE	SIZE	SIZE	SIZE							APPROX	APPROX
CODE	CODE	CODE	CODE	CODE							TI	CRES
001	06	04	04	04	.704	.684	.704	.684	.486-.502	.042	3.70	7.40
002	06	04	06	04	.704	.684	.704	.684	.485-.502	.042	4.20	8.50
003	08	06	06	06	.824	.811	.811	.811	.547-.565	.070	5.80	11.50
004	08	06	08	06	.824	.811	.824	.811	.547-.565	.070	6.30	12.60
005	10	08	08	08	.955	.891	.891	.891	.673-.691	.070	8.40	16.80
006	10	08	10	08	.955	.891	.955	.891	.673-.691	.070	9.40	18.70
007	12	10	10	10	1.062	1.022	1.022	1.022	.860-.878	.098	12.90	25.80
008	12	10	12	10	1.062	1.022	1.062	1.022	.860-.878	.098	14.40	28.80
009	16	12	12	12	1.246	1.198	1.198	1.198	1.120-1.128	.098	20.70	41.40
010	16	12	16	12	1.246	1.198	1.246	1.198	1.120-1.128	.098	24.00	47.90



CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: AS85421 /4/



AEROSPACE STANDARD

FITTING, CROSS, REDUCER,
BEAM SEAL 3000/4000 PSI,
4 MALE ENDS

AS85421/8
SHEET 1 OF 3

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ISSUED 2005-09

TABLE 2 - MINIMUM WALL THICKNESS

FITTING SIZE	G
04	.060
06	.060
08	.065
10	.070
12	.095
16	.110

NOTES:

/1/ MATERIAL:

- a. CODE LETTER P – TYPE 17-4PH CORROSION RESISTANT STEEL BAR OR FORGING PER AMS 5643.
- b. CODE LETTER T – TYPE 6AL-4V TITANIUM ALLOY BAR OR FORGING PER AMS 4965.
- c. CODE LETTER V – TYPE 15-5PH CORROSION RESISTANT STEEL BAR OR FORGING PER AMS 5659.

2. HEAT TREATMENT:

- a. MATERIAL CODE LETTER P – CONDITION H1075 PER AMS 2759/3.
- b. MATERIAL CODE LETTER T – NONE.
- c. MATERIAL CODE LETTER V – CONDITION H1075 PER AMS-H-6875 OR AMS 2759/3.

3. FINISH:

- a. MATERIAL CODE LETTER P – PASSIVATE PER AMS 2700, TYPE 6 OR 7.
- b. MATERIAL CODE LETTER T – NONE.
- c. MATERIAL CODE LETTER V – PASSIVATE PER AMS 2700, TYPE 6 OR 7.

/4/ PROCUREMENT SPECIFICATION: AS85421 EXCEPT AS SPECIFIED ON THIS STANDARD. THIS PRODUCT SHALL BE QUALIFIED IN ACCORDANCE WITH SPECIFICATION AS85421. PRODUCT SUPPLIED TO THIS SPECIFICATION SHALL BE MANUFACTURED BY AN ACCREDITED MANUFACTURER LISTED IN PERFORMANCE REVIEW INSTITUTE (PRI) QUALIFIED MANUFACTURER LIST (QML) FOR THIS TYPE PRODUCT. THE QML IS AVAILABLE AT www.eauditnet.com.

/5/ IDENTIFICATION AT LOCATION SHOWN: MARK PER AS478 CLASS C OR D, OR METHOD 7A3, 15A3, OR 15B.

- a. FOR SIZES 06 AND SMALLER: MANUFACTURER'S NAME, CAGE CODE OR TRADEMARK, LETTERS "AS" AND MATERIAL CODE LETTER, AND FORGING MANUFACTURER'S IDENTIFICATION, WHEN MADE FROM FORGING.
- b. FOR SIZES 08 AND LARGER: MANUFACTURER'S NAME, CAGE CODE OR TRADEMARK, BASIC PART NUMBER AND MATERIAL CODE LETTER, AND FORGING MANUFACTURER'S IDENTIFICATION, WHEN MADE FROM FORGING.

6. INTENDED USE: THIS PART IS DESIGNED FOR USE IN SYSTEMS WITH MAXIMUM OPERATING PRESSURES AS FOLLOWS:

- a. CORROSION RESISTANT STEEL AT 3000 PSI MAX
- b. TITANIUM ALLOY AT 4000 PSI MAX