

REV.
B

AS4808

FEDERAL SUPPLY CLASS
4730

RATIONALE

AS4808B HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

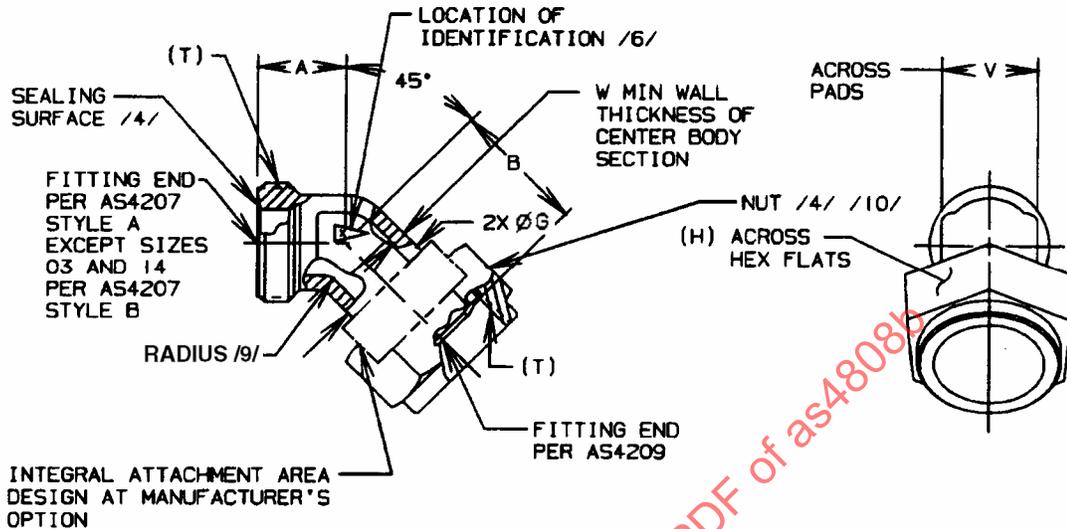
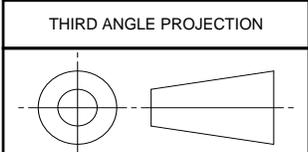


FIGURE 1 - FITTING ASSEMBLY, ELBOW, 45°

TABLE 1 - DIMENSIONS AND WEIGHTS

BASIC NO. AS4808 /16/ SIZE CODE	(NOMINAL TUBE SIZE)	T THREAD PER AS8879 CLASSES A AND B	A		G MIN	H	V		W	LB/EA MAX CRES	LB/EA MAX TI
			A	B			V	V			
03	.188	.3750-28 UNJS	.351	.592	.285	.500	.360- .377	.055	.0367	.0210	
04	.250	.4375-24 UNJS	.420	.662	.329	.562	.360- .377	.060	.0469	.0268	
05	.312	.5000-24 UNJS	.438	.685	.391	.625	.423- .440	.060	.0595	.0340	
06	.375	.5625-20 UNJS	.471	.769	.454	.688	.485- .502	.060	.0742	.0424	
08	.500	.7188-20 UNJS	.528	.805	.547	.875	.547- .565	.065	.110	.0628	
10	.625	.8438-18 UNJS	.619	.901	.673	1.000	.673- .681	.070	.154	.0881	
12	.750	1.0000-16 UNJ	.685	1.004	.860	1.125	.860- .878	.095	.218	.124	
14	.875	1.1250-16 UNJ	.753	1.125	1.110	1.375	1.110-1.128	.105	.409	.234	
16	1.000	1.2500-14 UNJS	.783	1.135	1.110	1.500	1.110-1.128	.115	.408	.233	
20	1.250	1.5781-14 UNJS	.836	1.293	1.360	1.875	1.355-1.380	.110	.627	.358	
24	1.500	1.8438-14 UNJS	1.003	1.482	1.610	2.125	1.605-1.630	.130	.921	.526	

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS4808B>



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: /5/ AS85421, AS85720



AEROSPACE STANDARD

FITTING ASSEMBLY, ELBOW, 45°,
BEAM SEAL, RETAINED NUT

AS4808
SHEET 1 OF 3

REV.
B

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ISSUED 1996-05 REVISED 2007-09 REAFFIRMED 2015-04

NOTES:

/1/ MATERIAL:

a. CODE LETTER T

(1) BODY: TYPE 6AL-4V TITANIUM ALLOY FORGING OR BAR PER AMS 4965.

(2) NUT: TYPE 6AL-4V TITANIUM ALLOY BAR PER AMS 4965.

b. CODE LETTER P

(1) BODY: TYPE 17-4PH CORROSION RESISTANT STEEL FORGING OR BAR PER AMS 5643.

(2) NUT: TYPE 17-4PH CORROSION RESISTANT STEEL BAR PER AMS 5643.

c. CODE LETTER V

(1) BODY: TYPE 15-5PH CORROSION RESISTANT STEEL FORGING OR BAR PER AMS 5659.

(2) NUT: TYPE 15-5PH CORROSION RESISTANT STEEL BAR PER AMS 5659.

2. HEAT TREAT:

a. MATERIAL CODE LETTER T

(1) BODY AND NUT: NONE.

b. MATERIAL CODE LETTERS P AND V

(1) BODY AND NUT: HEAT TREAT TO CONDITION H 1075 PER AMS 2759/3.

3. FINISH:

a. MATERIAL CODE LETTER T

(1) BODY: NONE.

(2) NUT: NONE.

b. MATERIAL CODE LETTERS P AND V

(1) BODY: PASSIVATE PER AMS 2700.

(2) NUT: PASSIVATE PER AMS 2700.

/4/ DRY FILM LUBRICANT: APPLY DRY FILM LUBRICANT PER AS5272, TYPE I TO THE SEALING SURFACE. OVERSPRAY IN BORE IS NOT PERMITTED. APPLY DRY FILM LUBRICANT PER AS5272, TYPE I TO THE INSIDE OF THE NUT. MINOR OVERSPRAY IS PERMITTED ON THE NUT.

/5/ PROCUREMENT SPECIFICATION: AS85421 FOR OPERATING PRESSURES TO 4000 psi AND AS85720 FOR OPERATING PRESSURES TO 5000 psi, EXCEPT AS SPECIFIED ON THIS STANDARD. THIS PART SHALL BE QUALIFIED TO THE PROCUREMENT SPECIFICATION AS APPLICABLE IN A COMPLETE ASSEMBLY. USERS OF THIS STANDARD ARE ADVISED TO CONTROL SOURCE APPROVAL(S) BY STANDARD PAGE SUPPLEMENT SHEET OR SIMILAR MEANS.

	AEROSPACE STANDARD	AS4808 SHEET 2 OF 3	REV. B
	FITTING ASSEMBLY, ELBOW, 45°, BEAM SEAL, RETAINED NUT		