

REV.
B

AS4689

RATIONALE

FEDERAL SUPPLY CLASS
4730

THIS DOCUMENT HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE 5-YEAR REVIEW POLICY.

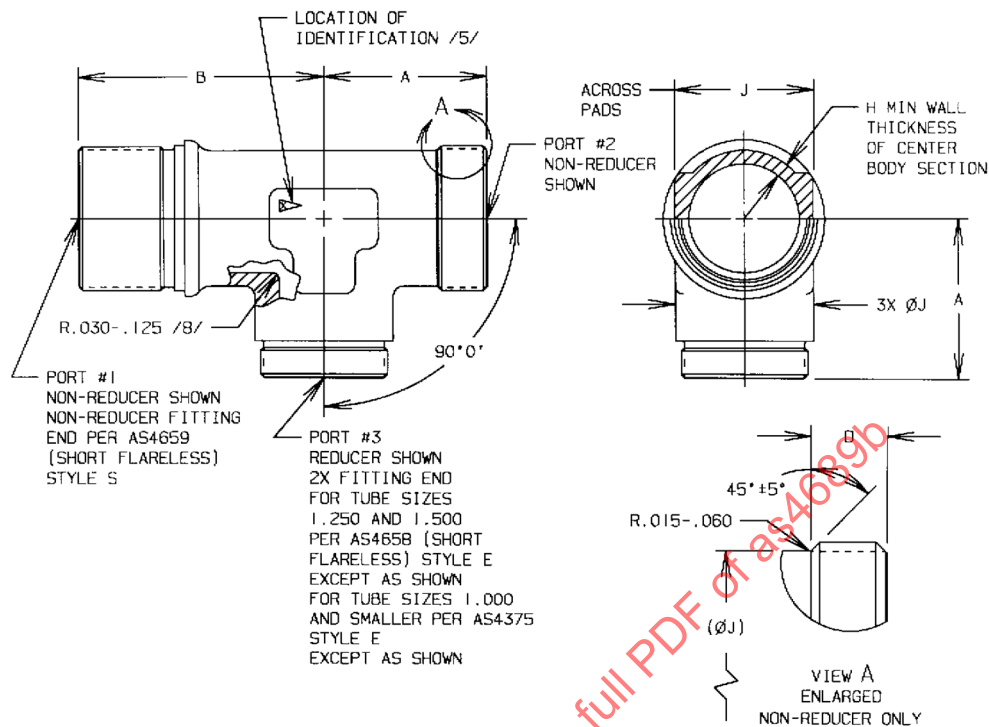


FIGURE 1 - FITTING, TEE, REDUCER

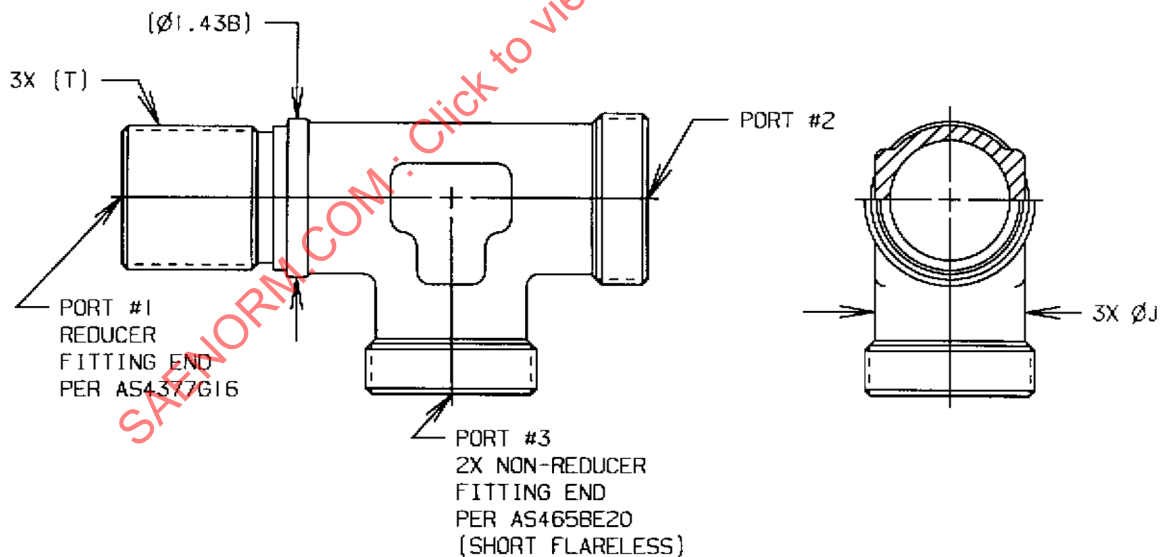
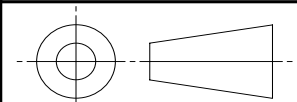


FIGURE 2A - FITTING, TEE, SIZE 16
BULKHEAD REDUCER TO SIZE 20 SHORT ENDS

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: /4/ AS18280

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

(R) FITTING, TEE, REDUCER,
BULKHEAD ON RUN,
FLARELESS AND SHORT FLARELESS

AS4689
SHEET 1 OF 6

**REV.
B**

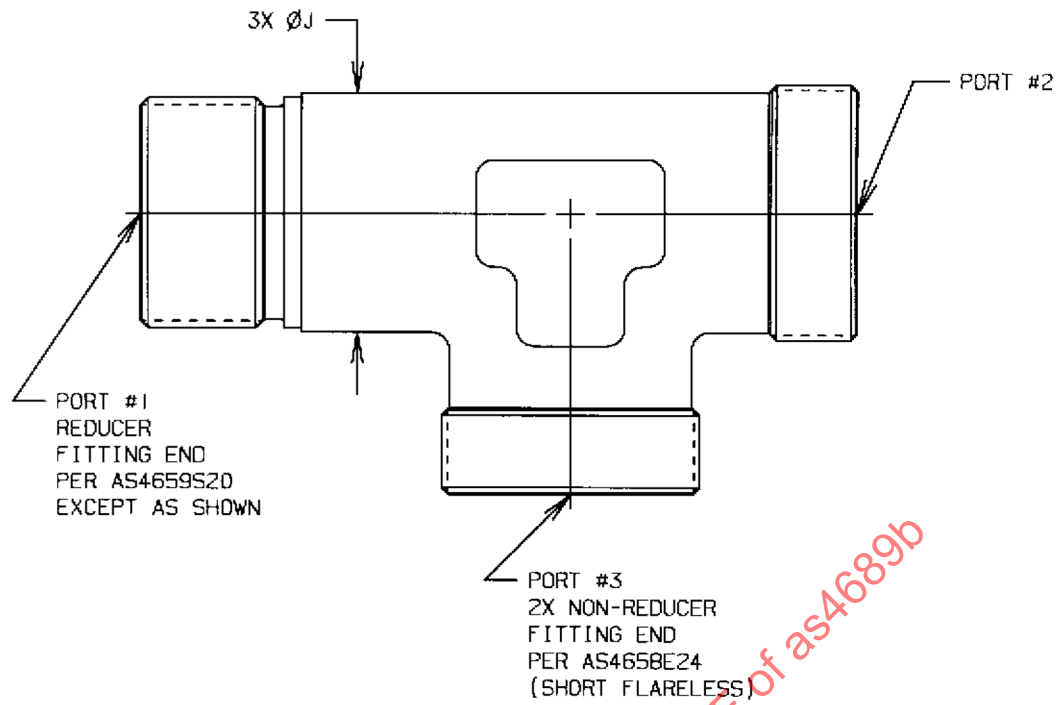


FIGURE 2B - FITTING, TEE, SIZE 20
BULKHEAD REDUCER TO SIZE 24 SHORT ENDS

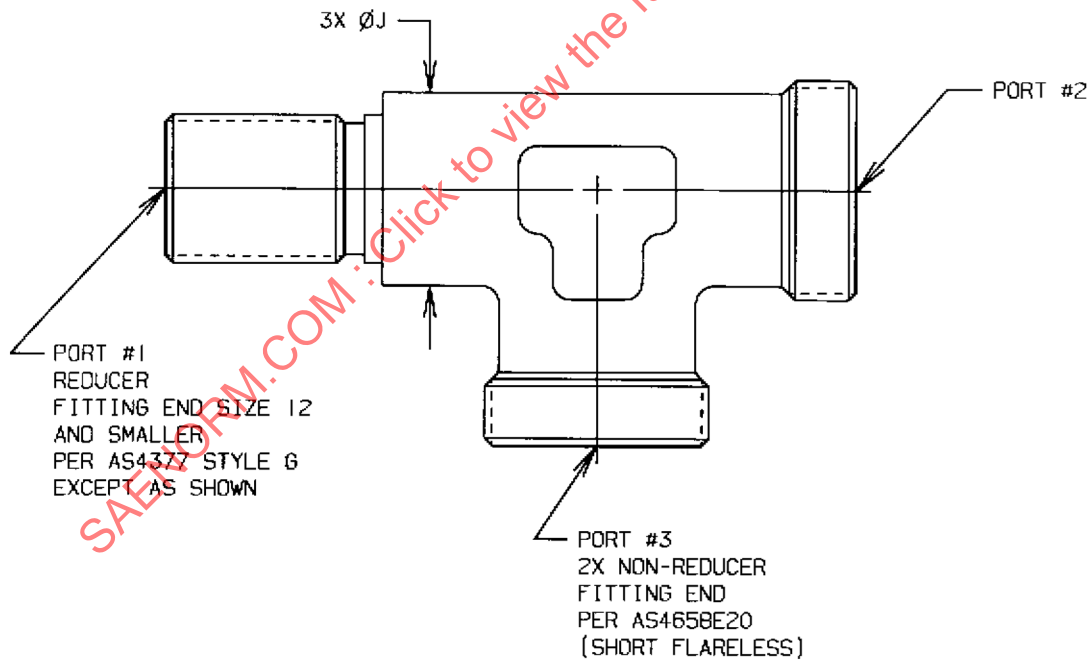


FIGURE 2C - FITTING, TEE, SIZE 12 AND SMALLER
BULKHEAD REDUCER TO SIZE 20 SHORT ENDS

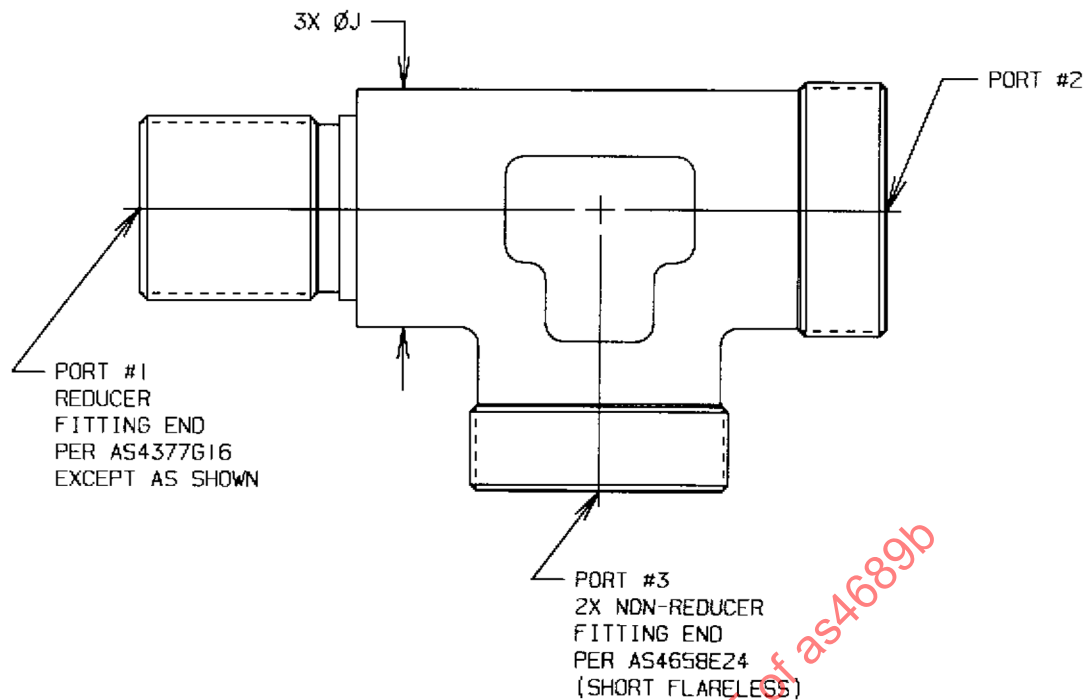


FIGURE 2D - FITTING, TEE, SIZE 16
BULKHEAD REDUCER TO SIZE 24 SHORT ENDS

TABLE 1 - DIMENSIONS AND WEIGHTS /10/

BASIC NO. AS4689 /9/ /19/ SIZE CODE	D	H	J + .005/- .020	LB/EA APPROX REF ALUM	LB/EA APPROX REF STEEL	LB/EA APPROX REF TI
20	.517	.124	1.375	.426	1.18	.640
24	.614	.156	1.688	.630	1.74	.998

TABLE 2 - LEG LENGTH A /11/

SIZE OF PORT	FORGING SIZE /9/ 20	FORGING SIZE /9/ 24
02	1.710	1.898
03	1.757	1.945
04	1.788	1.976
05	1.798	1.976
06	1.804	1.992
08	1.897	2.085
10	1.960	2.148
12	2.023	2.211
14	2.023	2.211
16	2.023	2.211
20	1.798	1.986
24	-	1.986

TABLE 3 - LEG LENGTH B /11/

SIZE OF PORT	FORGING SIZE /9/ 20	FORGING SIZE /9/ 24
02	2.320	2.602
03	2.367	2.649
04	2.430	2.712
05	2.430	2.712
06	2.476	2.758
08	2.648	2.930
10	2.789	3.071
12	2.989	3.180
14	2.989	3.180
16	2.989	3.180
20	2.686	2.968
24	-	2.968

TABLE 4 - TUBE SIZE AND CORRESPONDING THREADS

SIZE OF PORT	(NOMINAL TUBE SIZE)	T THREAD PER AS8879 CLASS 3A
02	.125	.3125-24UNJF
03	.188	.3750-24UNJF
04	.250	.4375-20UNJF
05	.312	.5000-20UNJF
06	.375	.5625-18UNJF
08	.500	.7500-16UNJF
10	.625	.8750-14UNJF
12	.750	1.0625-12UNJ
14	.875	1.1875-12UNJ
16	1.000	1.3125-12UNJ
20	1.250	1.5625-12UNJ
24	1.500	1.8125-12UNJ

NOTES:

/1/ MATERIAL:

- CODE LETTER T - TYPE 6AL-4V TITANIUM ALLOY FORGING OR BAR PER AMS 4928.
- CODE LETTER V - TYPE 15-5PH CORROSION RESISTANT STEEL FORGING OR BAR PER AMS 5659.
- CODE LETTER W - TYPE 7075-T73 ALUMINUM ALLOY FORGING PER AMS 4141 OR TYPE 7075-T7351 ALUMINUM ALLOY BAR PER AMS 4124 OR 7075-T73 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/9.