

REV.
C

SAE AS4686

FEDERAL SUPPLY CLASS
4730

RATIONALE

CANCELED MILITARY STANDARD NUMBERS HAVE BEEN REPLACED. PRI-QPL NOTE HAS BEEN UPDATED AND CADMIUM WARNING NOTICE ADDED. OTHER UPDATES.

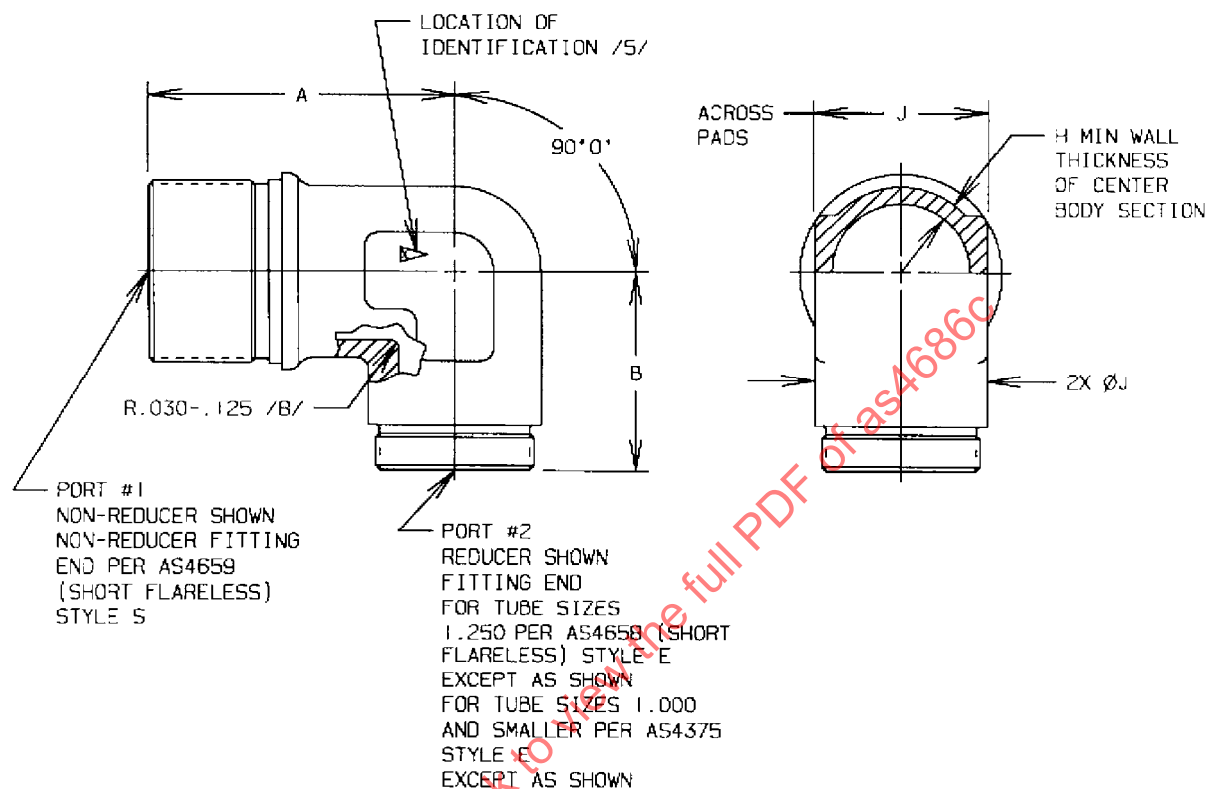
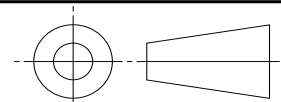


FIGURE 1 - FITTING, ELBOW, 90°, REDUCER

SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS4686C>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: /4/ AS18280

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

(R) FITTING, ELBOW, 90°,
REDUCER, BULKHEAD,
FLARELESS AND SHORT FLARELESS

SAE AS4686
SHEET 1 OF 7

REV.
C

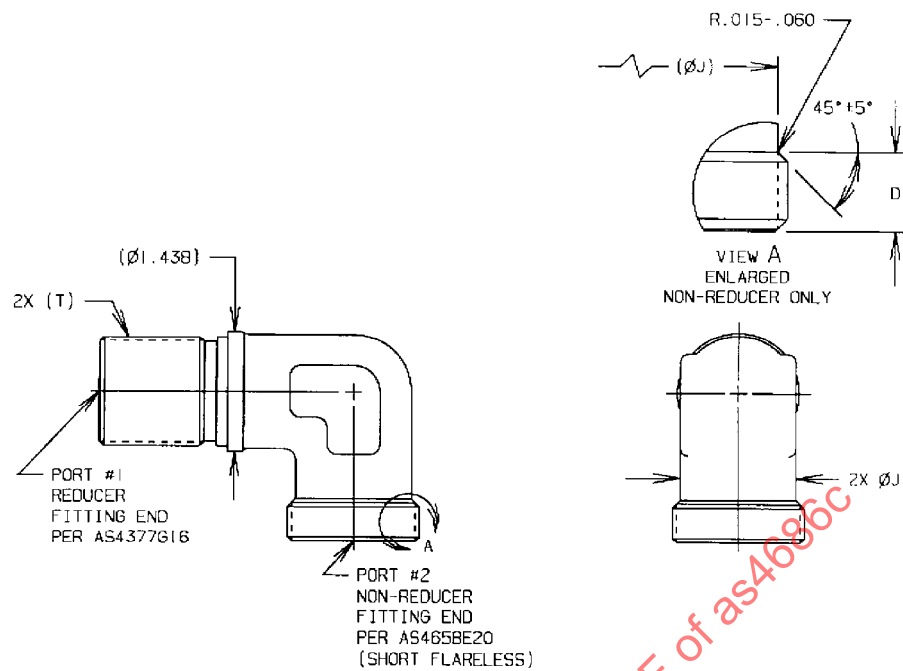


FIGURE 2A - FITTING, ELBOW, 90°, SIZE 16
BULKHEAD REDUCER TO SIZE 20 SHORT END

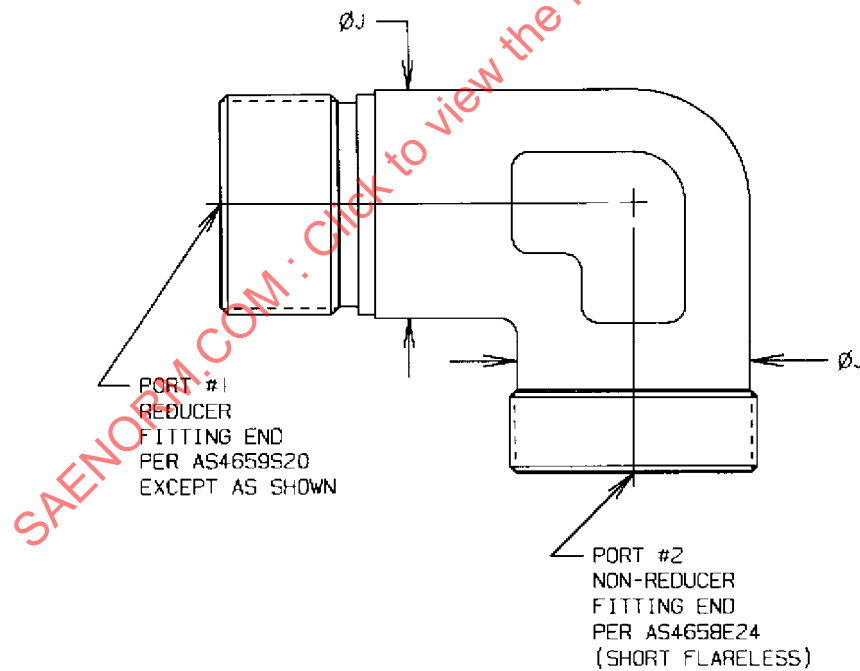


FIGURE 2B - FITTING, ELBOW, 90°, SIZE 20
BULKHEAD REDUCER TO SIZE 24 SHORT END

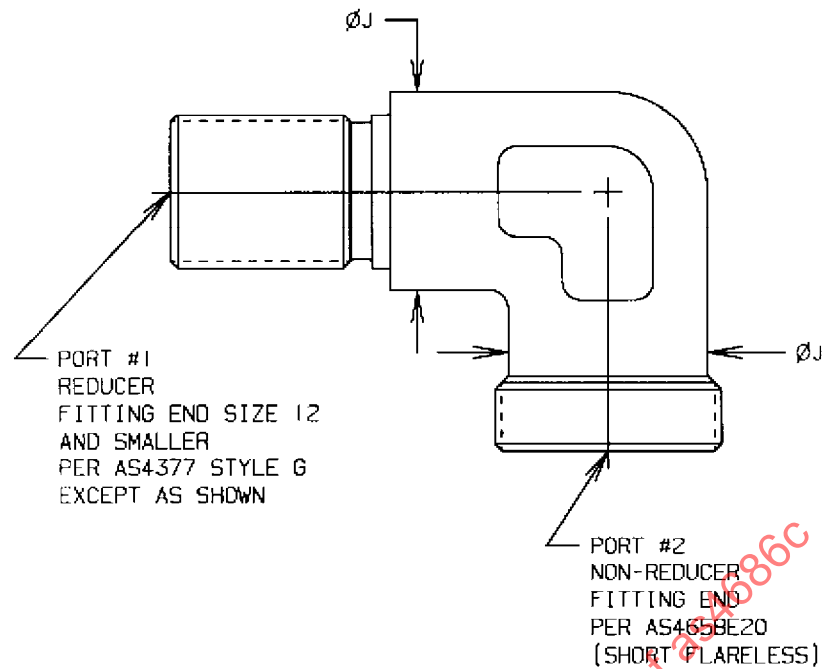


FIGURE 2C - FITTING, ELBOW, 90°, SIZE 12
AND SMALLER BULKHEAD REDUCER TO SIZE 20 SHORT END

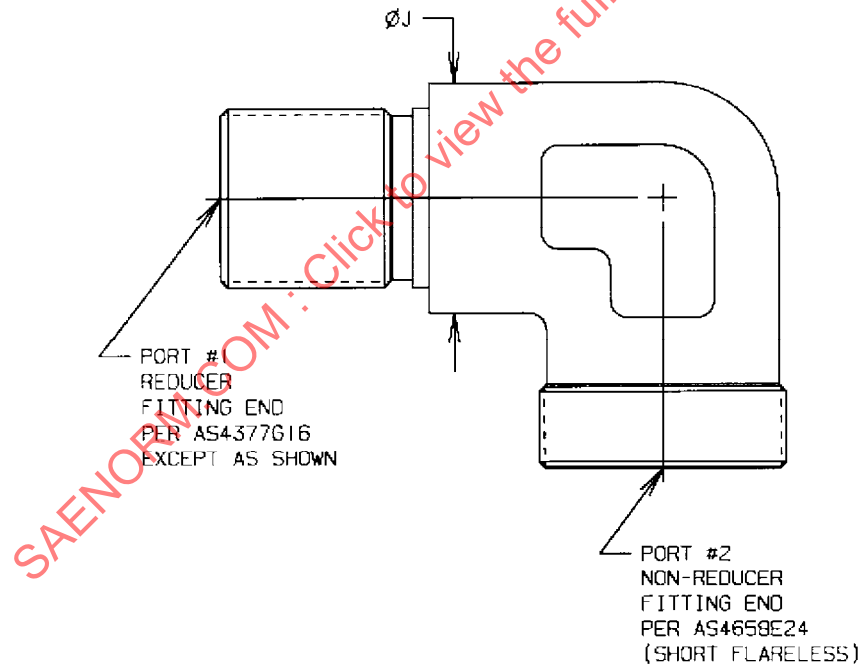


FIGURE 2D - FITTING, ELBOW, 90°, SIZE 16
BULKHEAD REDUCER TO SIZE 24 SHORT END

SAE Aerospace An SAE International Group	AEROSPACE STANDARD	SAE AS4686 SHEET 3 OF 7	REV. C
	(R) FITTING, ELBOW, 90°, REDUCER, BULKHEAD, FLARELESS AND SHORT FLARELESS		

TABLE 1 - DIMENSIONS AND WEIGHTS /10/

BASIC NO.				LB/EA	LB/EA	LB/EA
AS4686	J			APPROX	APPROX	APPROX
/9/ /19/	+.005			REF	REF	REF
SIZE CODE	D	H	-.020	ALUM	STEEL	TI
20	.517	.124	1.375	.368	1.02	.583
24	.614	.156	1.688	.555	1.53	.880

TABLE 2 - LEG LENGTH A /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	2.678	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 3 - LEG LENGTH B /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	1.788	1.976
06	1.804	1.992
08	1.879	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 4 - TUBE SIZE AND CORRESPONDING THREADS

SIZE OF PORT	(NOMINAL TUBE SIZE)	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