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REV.
C

AS102™

FEDERAL SUPPLY CLASS
4730

RATIONALE

ADDED CONDUCTIVE HIGH PURITY ALUMINUM COATING FOR ALUMINUM ALLOY FITTINGS.

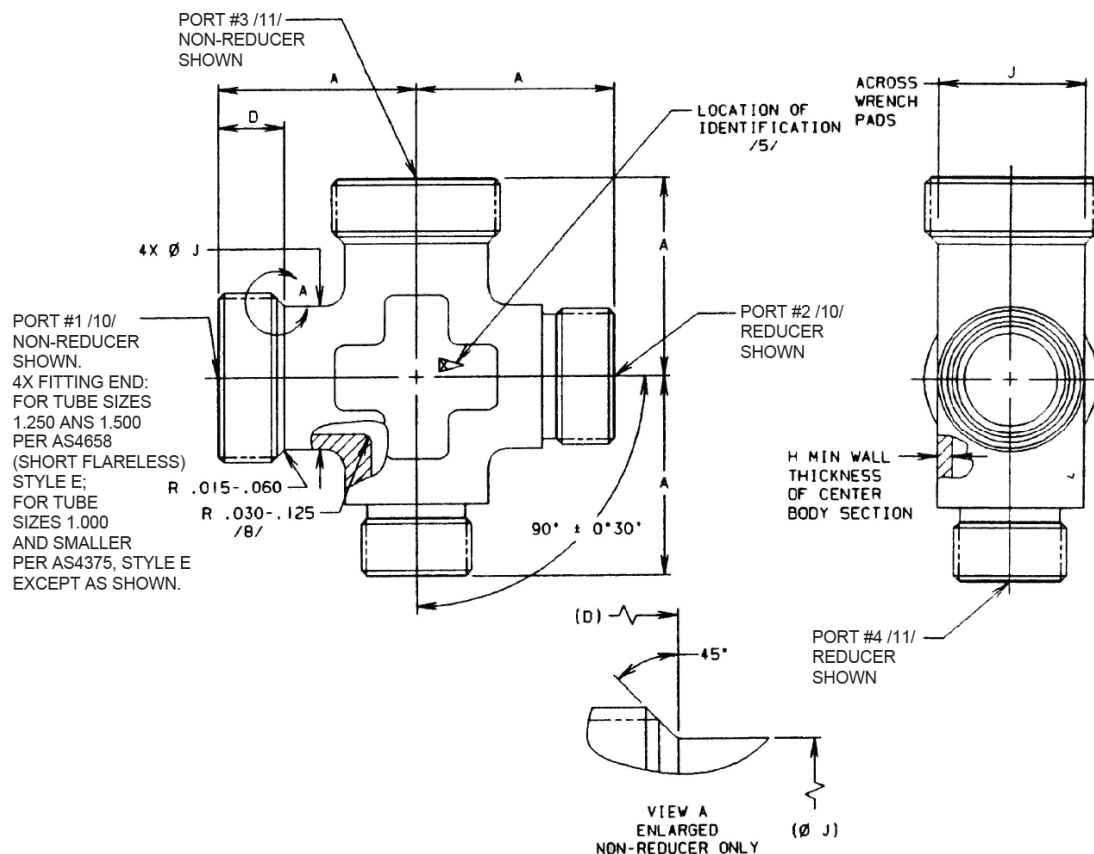


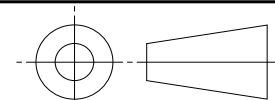
FIGURE 1 – FITTING CROSS, REDUCER

TABLE 1 – DIMENSIONS AND WEIGHTS

BASIC NO. AS102 /09/ /20/ SIZE CODE	D	H	J +.005 -.020	LB/EA APPROX REF ALUM	LB/EA APPROX REF CRES	LB/EA APPROX REF TI
20	.517	.124	1.375	.385	1.117	.650
24	.614	.156	1.688	.559	1.620	.941

SAE values your input. To provide feedback on this Technical Report, please visit <http://standards.sae.org/AS102C>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS18280 /4/



AEROSPACE STANDARD

FITTING, CROSS, REDUCER, FLARELESS AND
SHORT FLARELESS

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TABLE 2 – LEG LENGTH A

SIZE OF PORT	FORGING SIZE /9/ 20	FORGING SIZE /9/ 24
02	1.585	1.710
03	1.632	1.757
04	1.663	1.788
05	1.663	1.788
06	1.679	1.804
08	1.772	1.897
10	1.835	1.960
12	1.898	2.023
14	1.898	2.023
16	1.898	2.023
20	1.673	1.798
24	---	1.798

TABLE 3 – TUBE SIZE AND CORRESPONDING THREADS

PORT SIZE	(NOMINAL TUBE SIZE)	THREAD PER AS8879 CLASS 3A
02	.125	.3125-24 UNJF
03	.188	.3759-24 UNJF
04	.250	.4375-20 UNJF
05	.312	.5000-20 UNJF
06	.375	.5625-16 UNJF
08	.500	.7500-16 UNJF
10	.625	.8750-14 UNJF
12	.750	1.0625-12 UNJ
14	.875	1.1875-12 UNJ
16	1.000	1.3125-12 UNJ
20	1.250	1.5625-12 UNJ
24	1.500	1.8125-12 UNJ



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