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REV.
C

AS103™

FEDERAL SUPPLY CLASS
4730

RATIONALE

ADDED CONDUCTIVE HIGH PURITY ALUMINUM COATING FOR ALUMINUM ALLOY FITTINGS.

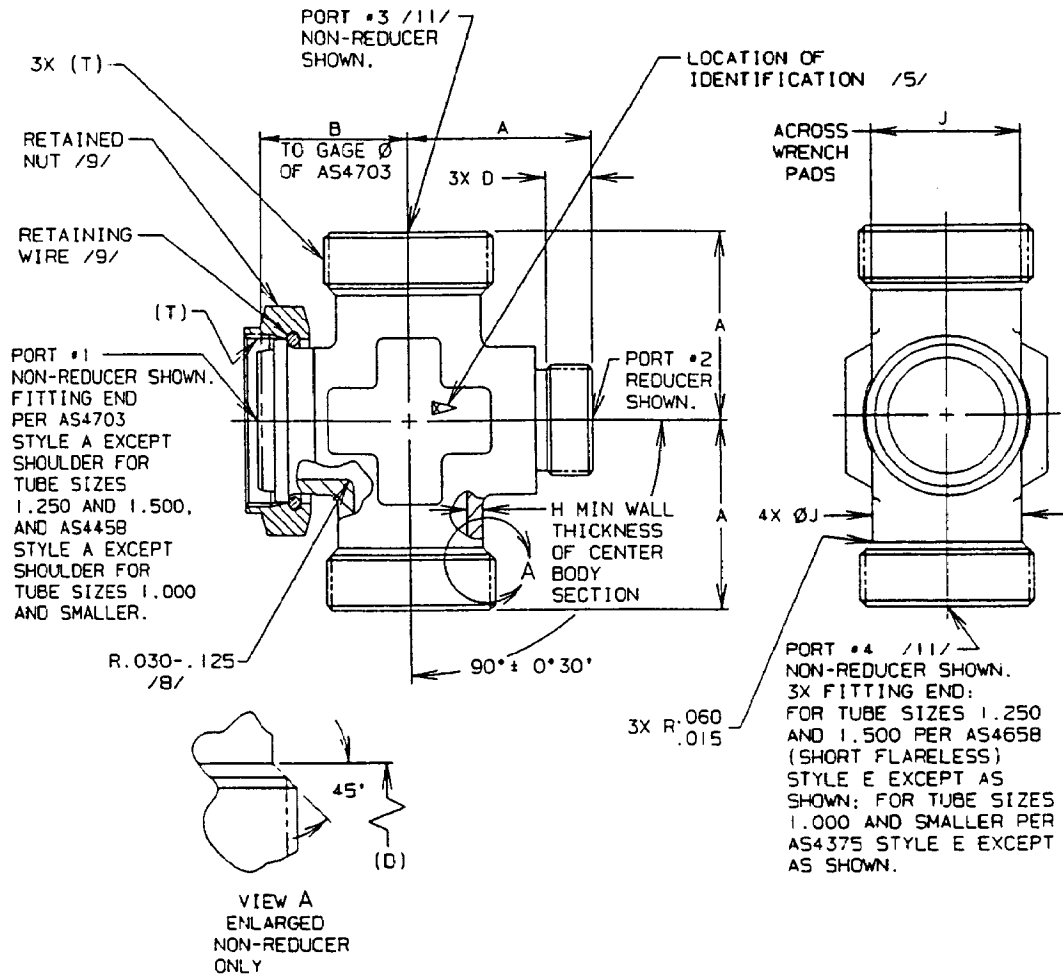
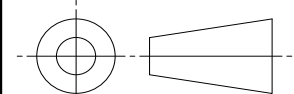


FIGURE 1 - FITTING ASSEMBLY, CROSS

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THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS18280 /4/



AEROSPACE STANDARD

FITTING ASSEMBLY, CROSS,
FLARELESS AND SHORT FLARELESS,
REDUCER, RETAINED NUT

AS103™
SHEET 1 OF 5

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Documents

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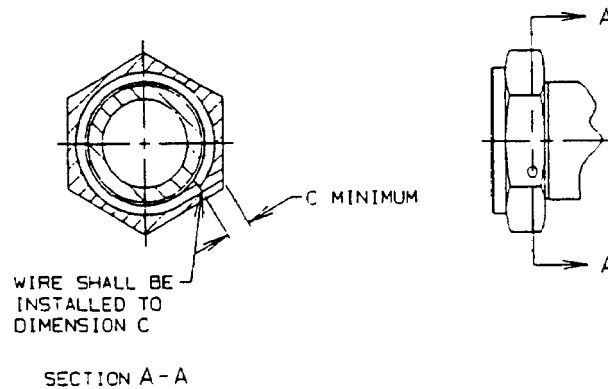


FIGURE 2 - INSTALLATION, RETAINED NUT AND RETAINING WIRE

TABLE 1 - DIMENSIONS AND WEIGHTS

BASIC NO. AS103 /10/ /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	.440	1.277	.742
24	.614	.156	1.688	.617	1.787	1.132

TABLE 2 - WIRE INSERTION DEPTH

PORT SIZE	(NOMINAL TUBE SIZE)	C
04	.250	.076
05	.312	.076
06	.375	.084
08	.500	.095
10	.625	.114
12	.750	.150
16	1.000	.176
20	1.250	.247
24	1.500	.287

TABLE 3 - LEG LENGTH A

SIZE OF PORT #2, #3, AND #4	FORGING SIZE /10/ 20	FORGING SIZE /10/ 24
04	1.424	1.549
05	1.424	1.549
06	1.440	1.565
08	1.533	1.658
10	1.596	1.721
12	1.659	1.784
16	1.659	1.784
20	1.678	1.577
24	---	1.803