REV. D

AS4137™

FEDERAL SUPPLY CLASS
4730

RATIONALE

GRAPHICS REDRAWN. FLAGNOTE /15/ ADDED TO ØE IN FIGURE 1. 45° DIMENSION BEHIND THREAD HAS BEEN REMOVED BECAUSE IT IS ALREADY BEING DEFINED ON AS4375, STYLE E. FLAG NOTE /24/ ADDED. GENERAL UPDATES INCORPORATED.

LOCATION OF IDENTIFICATION /5/

45° ±2.5° FOR TUBE SIZE -06 AND SMALLER, ±1.5° FOR TUBE SIZE -08 AND LARGER

TO GAGE DIA OF NAS1760

A

.062 MIN /8/

/7/

RETAINING WIRE PER AS1791 /1/

(T)

B

H WALL THICKNESS OF CENTER BODY SECTION

/24/

J

ACROSS WRENCH PADS

D

PORT #1 FITTING END PER NAS1760 STYLE A EXCEPT AS SHOWN

VIEW A

ØE /15/

PORT #2 FITTING END PER AS4375 STYLE E EXCEPT AS SHOWN

(T)

SWIVEL NUT PER AS1790 /1/ /16/

R .125 .030 /10/

(Ø E)

R .188 .060

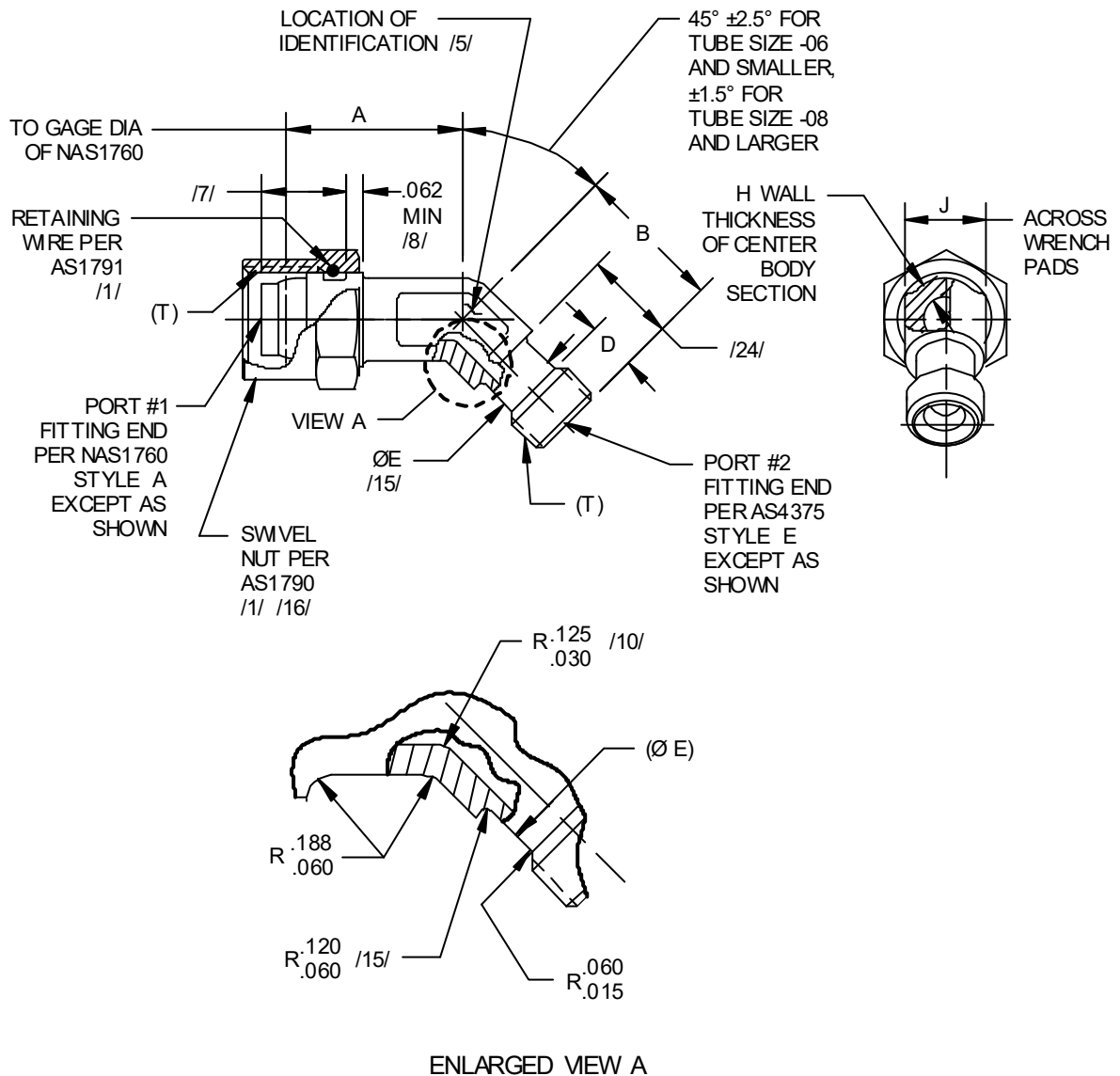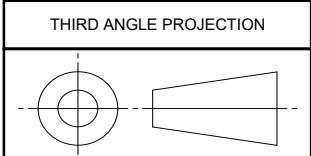R .120 .060 /15/

R .060 .015

ENLARGED VIEW A

FIGURE 1 - FITTING ASSY, ELBOW, REDUCER, 45°, SWIVEL, REDUCED BODY, FLARELESS

SAE values your input. To provide feedback on this Technical Report, please visit
http://standards.sae.org/AS4137D

THIRD ANGLE PROJECTION

CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS18280 /4/

AEROSPACE STANDARD

FITTING ASSY, ELBOW, REDUCER, 45°, SWIVEL, REDUCED BODY, FLARELESS

AS4137™
SHEET 1 OF 5
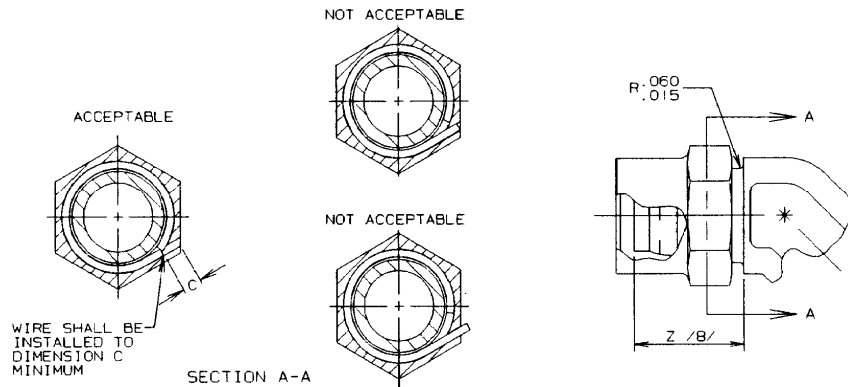
REV. D

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FIGURE 2 - INSTALLATION, SWIVEL NUT RETAINING WIRE

TABLE 1 - DIMENSIONS AND WEIGHTS

BASIC NO. AS4137 /21/ SIZE CODE	H MIN	J	LB/EA APPROX REF CRES	LB/EA APPROX REF TI
04	.050	.390	.050	.028
05	.050	.453	.064	.036
06	.050	.453	.076	.043
08	.050	.577	.134	.075
10	.070	.702	.208	.117
12	.080	.890	.326	.183
16	.090	1.140	.492	.276
20	.110	1.390	.794	.446
24	.130	1.640	1.148	.645

TABLE 2 - FITTING END

SIZE CODE	TUBE OD	T THREAD PER AS8879	C /16/	D	E	Z
04	.250	.4375-20UNJF	.075	.371	.350	.600
05	.313	.5000-20UNJF	.076	.371	.412	.660
06	.375	.5625-18UNJF	.084	.379	.453	.730
08	.500	.7500-16UNJF	.095	.461	.577	.845
10	.625	.8750-14UNJF	.115	.511	.702	.940
12	.750	1.0625-12UNJ	.149	.556	.890	.975
16	1.000	1.3125-12UNJ	.178	.556	1.140	1.160
20	1.250	1.6250-12UNJ	.221	.556	1.390	1.190
24	1.500	1.8750-12UNJ	.291	.556	1.640	---

	AEROSPACE STANDARD	**AS4137™** SHEET 2 OF 5	**REV. D**
SAE INTERNATIONAL	FITTING ASSY, ELBOW, REDUCER, 45°, SWIVEL, REDUCED BODY, FLARELESS		