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REV.
E

AS4409™

FEDERAL SUPPLY CLASS
4730

RATIONALE

RE-INSTATE HORIZONTAL LEG DIMENSION "A" WHICH WAS ACCIDENTALLY OMITTED AT THE LAST REVISION.

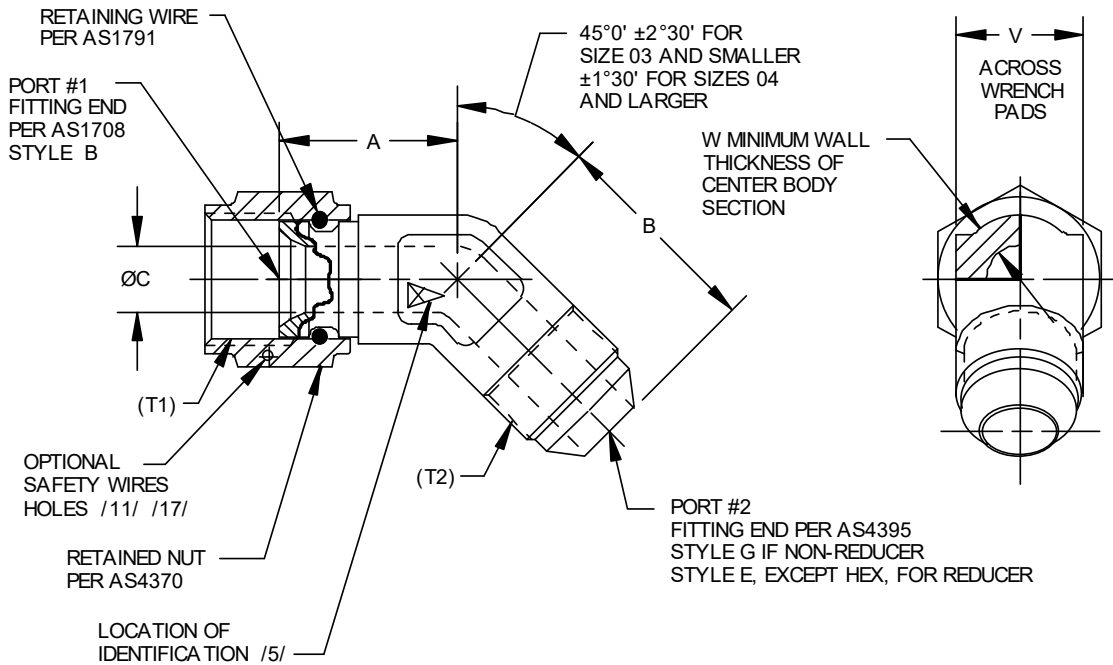


FIGURE 1 - FITTING ASSEMBLY, ELBOW 45°

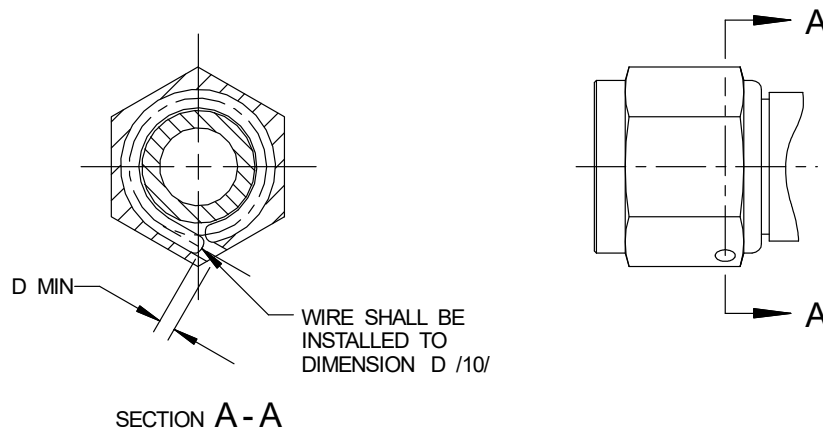
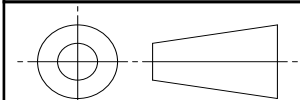


FIGURE 2 - INSTALLATION, RETAINED NUT AND RETAINING WIRE

NOT RECOMMENDED IN PART /18/

For more information on this standard, visit
<https://www.sae.org/standards/content/AS4409E/>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS4841 /4/



AEROSPACE STANDARD

FITTING ASSEMBLY, ELBOW 45°,
REDUCER AND NONREDUCER,
INTERNAL FLARE TO FLARED TUBE

AS4409™
SHEET 1 OF 6

REV.
E

Documents

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TABLE 1 - DIMENSIONS C-W AND WEIGHTS

BASIC NO. AS4409 /17/ SIZE CODE	(NOMINAL TUBE SIZE)	T1, T2 THREAD PER AS8879 CLASS 3B, 3A	C	D	V	W	LB/EA APPROX REF ALUM	LB/EA APPROX REF CRES	LB/EA APPROX REF TI
02	.125	.3125-24 UNJF	.058- .065	.045	.297- .314	.090	.012	.034	.019
03	.188	.3750-24 UNJF	.121- .128	.045	.360- .377	.100	.021	.060	.034
04	.250	.4375-20 UNJF	.168- .175	.045	.423- .440	.110	.025	.072	.041
05	.312	.5000-20 UNJF	.230- .237	.045	.485- .502	.120	.032	.092	.053
06	.375	.5625-18 UNJF	.293- .301	.045	.547- .565	.120	.044	.123	.071
08	.500	.7500-16 UNJF	.387- .395	.055	.735- .753	.150	.077	.224	.140
10	.625	.8750-14 UNJF	.480- .488	.063	.860- .878	.170	.118	.343	.196
12	.750	1.0625-12 UNJ	.604- .614	.095	1.047-1.065	.185	.196	.570	.326
16	1.000	1.3125-12 UNJ	.839- .851	.125	1.292-1.317	.205	.294	.852	.488
20	1.250	1.6250-12 UNJ	1.073-1.086	.155	1.605-1.630	.240	.551	1.600	.916
24	1.500	1.8750-12 UNJ	1.307-1.320	.180	1.855-1.880	.250	.734	2.130	1.220
32	2.000	2.5000-12 UNJ	1.776-1.791	.180	2.542-2.572	.350	.961	2.790	1.598

TABLE 2 - LEG LENGTH A

SIZE OF PORT #1	FORG. SIZE /8/ 02	FORG. SIZE /8/ 03	FORG. SIZE /8/ 04	FORG. SIZE /8/ 05	FORG. SIZE /8/ 06	FORG. SIZE /8/ 08	FORG. SIZE /8/ 10	FORG. SIZE /8/ 12	FORG. SIZE /8/ 16	FORG. SIZE /8/ 20	FORG. SIZE /8/ 24	FORG. SIZE /8/ 32
02	.403	.414	.427	.439	.466	.504	.530	.596	.634	.699	.796	.940
03	--	.416	.430	.442	.469	.507	.533	.572	.637	.702	.799	.943
04	--	--	.438	.450	.477	.515	.541	.580	.645	.710	.807	.951
05	--	--	--	.492	.519	.557	.583	.622	.687	.752	.798	.998
06	--	--	--	--	.603	.641	.667	.706	.771	.836	.888	1.029
08	--	--	--	--	--	.749	.775	.814	.878	.943	.995	1.091
10	--	--	--	--	--	--	.825	.864	.927	.992	1.044	1.139
12	--	--	--	--	--	--	--	.828	.892	.957	1.009	1.139
16	--	--	--	--	--	--	--	--	.911	.976	1.028	1.191
20	--	--	--	--	--	--	--	--	--	1.023	1.075	1.284
24	--	--	--	--	--	--	--	--	--	--	1.155	1.327
32	--	--	--	--	--	--	--	--	--	--	--	1.483

TABLE 3 - LEG LENGTH B

SIZE OF PORT #2	FORG. SIZE /8/ 02	FORG. SIZE /8/ 03	FORG. SIZE /8/ 04	FORG. SIZE /8/ 05	FORG. SIZE /8/ 06	FORG. SIZE /8/ 08	FORG. SIZE /8/ 10	FORG. SIZE /8/ 12	FORG. SIZE /8/ 16	FORG. SIZE /8/ 20	FORG. SIZE /8/ 24	FORG. SIZE /8/ 32
02	.664	.633	.633	.671	.728	.783	.807	.873	1.013	1.091	1.154	1.341
03	--	.664	.655	.702	.759	.814	.838	.904	1.044	1.122	1.185	1.372
04	--	--	.726	.773	.830	.885	.909	.975	1.115	1.193	1.256	1.443
05	--	--	--	.773	.830	.885	.909	.975	1.115	1.193	1.256	1.443
06	--	--	--	--	.836	.891	.915	.981	1.121	1.199	1.262	1.449
08	--	--	--	--	--	.992	1.016	1.082	1.222	1.300	1.363	1.550
10	--	--	--	--	--	--	1.117	1.183	1.323	1.401	1.464	1.651
12	--	--	--	--	--	--	--	1.289	1.429	1.507	1.570	1.757
16	--	--	--	--	--	--	--	--	1.476	1.554	1.617	1.804
20	--	--	--	--	--	--	--	--	--	1.601	1.664	1.851
24	--	--	--	--	--	--	--	--	--	--	1.789	1.976
32	--	--	--	--	--	--	--	--	--	--	--	2.226