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REV.
D

AS4407™

RATIONALE

FEDERAL SUPPLY CLASS
4730

SAFETY WIRE HOLES OPTION ADDED TO GRAPHICS. UPDATE PROCUREMENT SPECIFICATION NOTE FROM QPL TO QML STATUS.

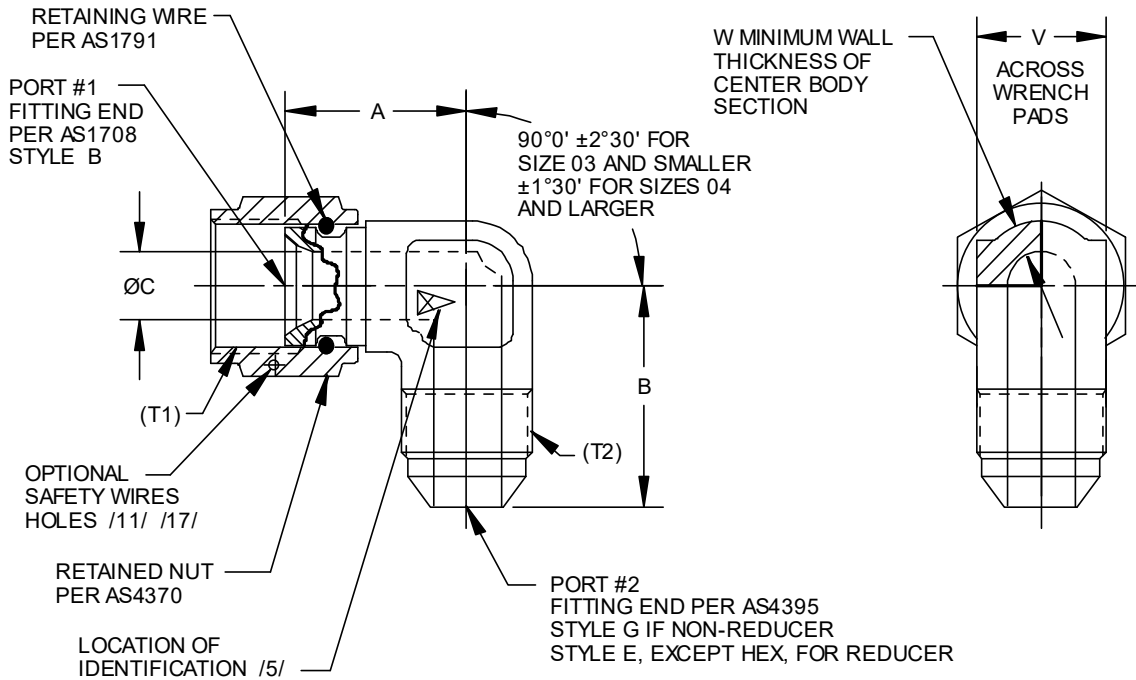


FIGURE 1 - FITTING ASSEMBLY, ELBOW 90°

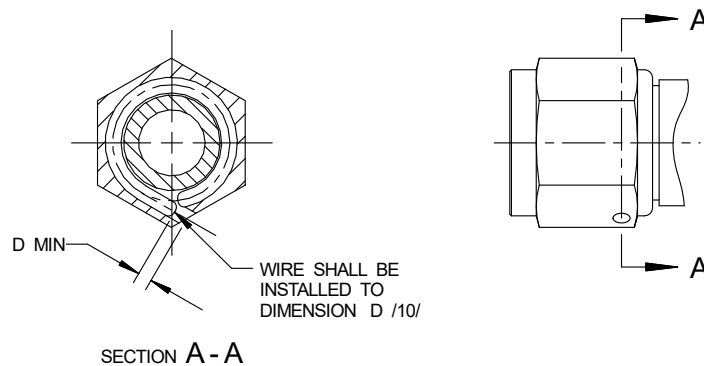
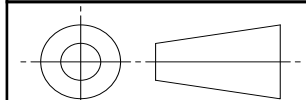


FIGURE 2 - INSTALLATION, RETAINED NUT AND RETAINING WIRE

NOT RECOMMENDED IN PART /18/

For more information on this standard, visit
<https://www.sae.org/standards/content/AS4407D/>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS4841 /4/



AEROSPACE STANDARD

FITTING ASSEMBLY, ELBOW 90°,
REDUCER AND NONREDUCER,
INTERNAL FLARE TO FLARED TUBE

AS4407™
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TABLE 1 - DIMENSIONS D-W AND WEIGHTS

BASIC NO. AS4407 /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	.017	.049	.028
03	.188	.3750-24 UNJF	.121- .128	.045	.360- .377	.100	.023	.067	.038
04	.250	.4375-20 UNJF	.168- .175	.045	.423- .440	.110	.030	.086	.049
05	.312	.5000-20 UNJF	.230- .237	.045	.485- .502	.120	.034	.098	.056
06	.375	.5625-18 UNJF	.293- .301	.045	.547- .565	.120	.051	.147	.084
08	.500	.7500-16 UNJF	.387- .395	.055	.735- .753	.150	.092	.268	.154
10	.625	.8750-14 UNJF	.480- .488	.063	.860- .878	.170	.141	.409	.234
12	.750	1.0625-12 UNJ	.604- .614	.095	1.047-1.065	.185	.235	.681	.390
16	1.000	1.3125-12 UNJ	.839- .851	.125	1.292-1.317	.205	.386	1.120	.641
20	1.250	1.6250-12 UNJ	1.073-1.086	.155	1.605-1.630	.240	.661	1.920	1.099
24	1.500	1.8750-12 UNJ	1.307-1.320	.180	1.855-1.880	.250	.878	2.550	1.461
32	2.000	2.5000-12 UNJ	1.776-1.791	.180	2.542-2.572	.350	1.151	3.340	1.913

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	.658	.686	.743	.767	.884	.924	1.100	1.157	1.268	1.521	1.521	2.031
03	--	.672	.555	.587	.649	.743	.838	.931	1.056	1.213	1.338	2.015
04	--	--	.602	.633	.695	.789	.883	.976	1.101	1.258	1.383	1.890
05	--	--	--	.675	.737	.831	.925	1.018	1.143	1.300	1.425	1.937
06	--	--	--	--	.821	.915	1.009	1.102	1.227	1.384	1.509	1.968
08	--	--	--	--	--	1.023	1.117	1.210	1.334	1.491	1.616	2.130
10	--	--	--	--	--	--	1.167	1.260	1.383	1.540	1.665	2.098
12	--	--	--	--	--	--	--	1.224	1.348	1.505	1.630	2.098
16	--	--	--	--	--	--	--	--	1.387	1.524	1.649	2.150
20	--	--	--	--	--	--	--	--	--	1.571	1.696	2.243
24	--	--	--	--	--	--	--	--	--	--	1.776	2.286
32	--	--	--	--	--	--	--	--	--	--	--	2.442

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	.757	.789	.789	.843	.946	1.033	1.135	1.232	1.341	1.544	1.685	2.169
03	--	.820	.811	.874	.977	1.064	1.166	1.263	1.372	1.575	1.716	2.200
04	--	--	.882	.945	1.048	1.135	1.237	1.334	1.443	1.646	1.787	2.271
05	--	--	--	.945	1.048	1.135	1.237	1.334	1.443	1.646	1.787	2.271
06	--	--	--	--	1.054	1.141	1.243	1.340	1.449	1.652	1.793	2.277
08	--	--	--	--	--	1.242	1.344	1.441	1.555	1.753	1.894	2.378
10	--	--	--	--	--	--	1.445	1.542	1.651	1.854	1.995	2.479
12	--	--	--	--	--	--	--	1.648	1.757	1.960	2.101	2.585
16	--	--	--	--	--	--	--	--	1.804	2.007	2.148	2.632
20	--	--	--	--	--	--	--	--	--	2.054	2.195	2.679
24	--	--	--	--	--	--	--	--	--	--	2.320	2.804
32	--	--	--	--	--	--	--	--	--	--	--	3.054



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