

REV.
D

AS4230™

FEDERAL SUPPLY CLASS
4730

RATIONALE

1. FIX TYPOS, RETYPE TABLES, REVISE GRAPHICS AND GENERAL UPDATES.
2. REVISE NOTE 5 TO CHANGE PROCUREMENT SPECIFICATION AND TO CLARIFY QPL REQUIREMENTS. FOR THE REDUCED WELD WALL THICKNESS FITTINGS SHOWN IN TABLE 2B (SIZE 03-018, 08-022, ETC...), REFER TO AS4510/2 FOR REDUCED PRESSURE TESTING (LESS THAN AS85421) QUALIFICATION REQUIREMENTS.
3. REVISE TABLE 1 AND 2 TO CLARIFY PROCUREMENT SPECIFICATION, MATERIAL, RECOMMENDED OPERATING PRESSURES AND APPLICABLE SIZE AND TUBE WALL CODES.
4. SIZE 03-018 WAS INCORRECTLY RATED AT 5000 PSI, CHANGE TO 3000 PSI IN BOTH CRES AND TITANIUM TO MATCH PROCUREMENT SPECIFICATION. USERS SHOULD USE SIZE 03-022 FOR 5000 PSI APPLICATIONS.

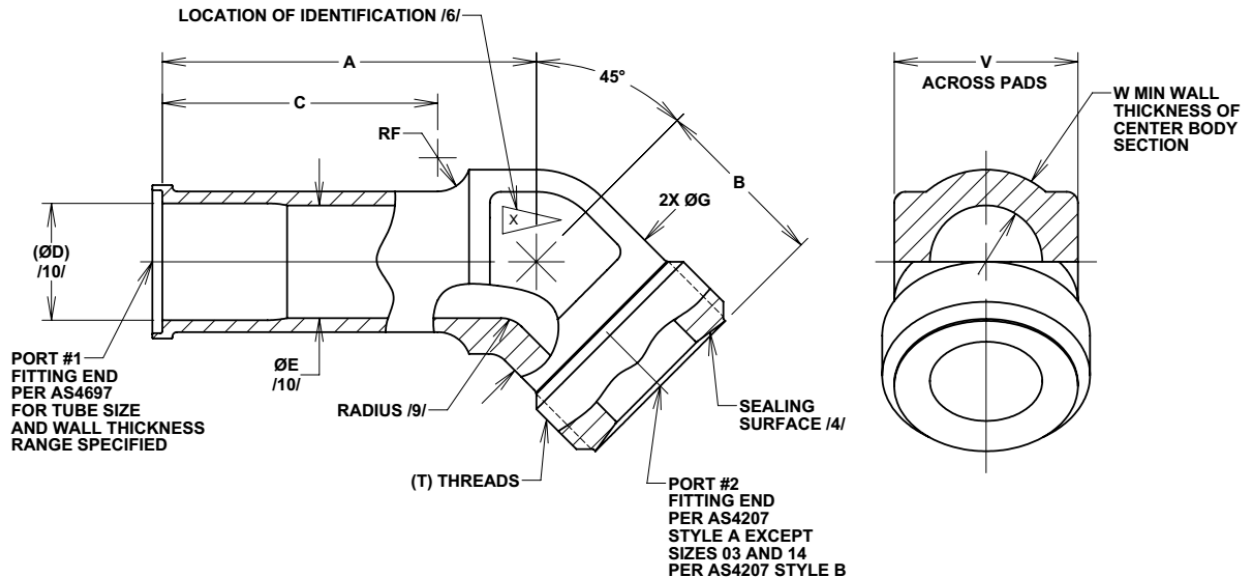
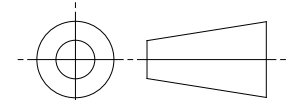


FIGURE 1 - FITTING, ELBOW, 45°

SAE values your input. To provide feedback on this Technical Report, please visit <http://standards.sae.org/AS4230D>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS85421 OR AS85720 /5/



AEROSPACE STANDARD

(R) FITTING, ELBOW, 45°, EXTERNAL THREAD, BEAM SEAL TO INTEGRAL WELD RING

AS4230™
SHEET 1 OF 4

REV.
D



TABLE 1 - DIMENSIONS AND WEIGHTS

BASIC NO. AS4230 /16/ SIZE AND TUBE WALL CODES	(NOM. TUBE SIZE)	PORT #1 STYLE /10/	T THREAD PER AS8879 CLASS 3A	A	B	C	D	E	F ±.005	G MIN	V	W	LB/EA MAX CRES	LB/EA MAX TI
03-018	.188	A	.3750-28 UNJS	.832	.378	.610	.146	-	.080	.285	.360-.377	.055	.0175	.0100
03-022	.188	A	.3750-28 UNJS	.832	.378	.610	.138	-	.080	.285	.360-.377	.055	.0175	.0100
04-022	.250	B	.4375-24 UNJS	.832	.420	.680	.200	.184-.194	.080	.329	.360-.377	.060	.0204	.0116
05-022	.312	B	.5000-24 UNJS	.887	.438	.650	.262	.232-.242	.080	.391	.423-.440	.060	.0300	.0171
05-028	.312	B	.5000-24 UNJS	.887	.438	.650	.250	.232-.242	.080	.391	.423-.440	.060	.0300	.0171
06-022	.375	B	.5625-20 UNJS	1.005	.471	.740	.325	.297-.307	.090	.454	.485-.502	.060	.0388	.0222
06-028	.375	B	.5625-20 UNJS	1.005	.471	.740	.313	.297-.307	.090	.454	.485-.502	.060	.0388	.0222
06-032	.375	B	.5625-20 UNJS	1.005	.471	.740	.305	.297-.307	.090	.454	.485-.502	.060	.0388	.0222
08-022	.500	B	.7188-20 UNJS	1.180	.528	.820	.450	.398-.408	.090	.547	.547-.565	.065	.0592	.0338
08-043	.500	B	.7188-20 UNJS	1.180	.528	.820	.408	.398-.408	.090	.547	.547-.565	.065	.0592	.0338
10-028	.625	B	.8438-18 UNJS	1.243	.619	.880	.563	.512-.523	.125	.673	.673-.691	.070	.0874	.0500
10-043	.625	B	.8438-18 UNJS	1.243	.619	.880	.533	.512-.523	.125	.673	.673-.691	.070	.0874	.0500
10-055	.625	A	.8438-18 UNJS	1.243	.619	.880	.509	-	.125	.673	.673-.691	.070	.0874	.0500
12-028	.750	B	1.0000-16 UNJ	1.392	.685	.980	.688	.649-.660	.125	.860	.860-.878	.095	.132	.0753
12-055	.750	A	1.0000-16 UNJ	1.392	.685	.980	.634	-	.125	.860	.860-.878	.095	.132	.0753
12-065	.750	A	1.0000-16 UNJ	1.392	.685	.980	.614	-	.125	.860	.860-.878	.095	.132	.0753
14-032	.875	B	1.1250-16 UNJ	1.562	.753	1.090	.805	.769-.780	.125	1.110	1.110-1.128	.105	.234	.134
14-065	.875	A	1.1250-16 UNJ	1.562	.753	1.090	.739	-	.125	1.110	1.110-1.128	.105	.234	.134
16-043	1.000	B	1.2500-14 UNJS	1.617	.783	1.150	.908	.862-.874	.125	1.110	1.110-1.128	.110	.239	.136
16-078	1.000	A	1.2500-14 UNJS	1.617	.783	1.150	.838	-	.125	1.110	1.110-1.128	.110	.239	.136
16-089	1.000	A	1.2500-14 UNJS	1.617	.783	1.150	.816	-	.125	1.110	1.110-1.128	.110	.239	.136
20-055	1.250	B	1.5781-14 UNJS	1.750	.836	1.170	1.134	1.115-1.128	.180	1.360	1.355-1.380	.110	.344	.197
20-089	1.250	A	1.5781-14 UNJS	1.750	.836	1.170	1.066	-	.180	1.360	1.355-1.380	.110	.344	.197
24-055	1.500	B	1.8438-14 UNJS	1.900	1.003	1.270	1.384	1.324-1.337	.180	1.610	1.605-1.630	.130	.557	.318

TABLE 2 - SIZE AND TUBE WALL CODES, RECOMMENDED MAXIMUM SYSTEM PRESSURE

TABLE 2A - SIZE AND TUBE WALL CODES FOR AS85720, AS4510, AND AS4510/2

BASIC NO. AS4230 /16/ SIZE AND TUBE WALL CODES	RANGE OF NOMINAL TUBE WALL FOR PORT #1 /7/ /16/	RECOMMENDED MAXIMUM SYSTEM PRESSURE (PSI) /5/ /7/	
		TI	CRES
03-022	.019-.022	5000	5000
04-022	.019-.022	5000	5000
05-028	.023-.028	5000	5000
06-032	.029-.032	5000	5000
08-043	.033-.043	5000	5000
10-055	.044-.055	5000	5000
12-065	.056-.065	5000	5000
16-089	.079-.089	5000	5000

	AEROSPACE STANDARD	AS4230™ SHEET 1 OF 1 	REV.
	(R) FITTING, ELBOW, 45°, EXTERNAL THREAD, BEAM SEAL TO INTEGRAL WELD RING		



Document Sharing Hub