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AS5230™

FEDERAL SUPPLY CLASS
4730

RATIONALE

REVISION TO CHANGE DRILL DEPTH DIMENSIONS TO PREVENT THIN WALL CONDITION. ADDED CONDUCTIVE HIGH PURITY ALUMINUM COATING FOR ALUMINUM ALLOY FITTINGS. REVISED OXYGEN SYSTEM CODING.

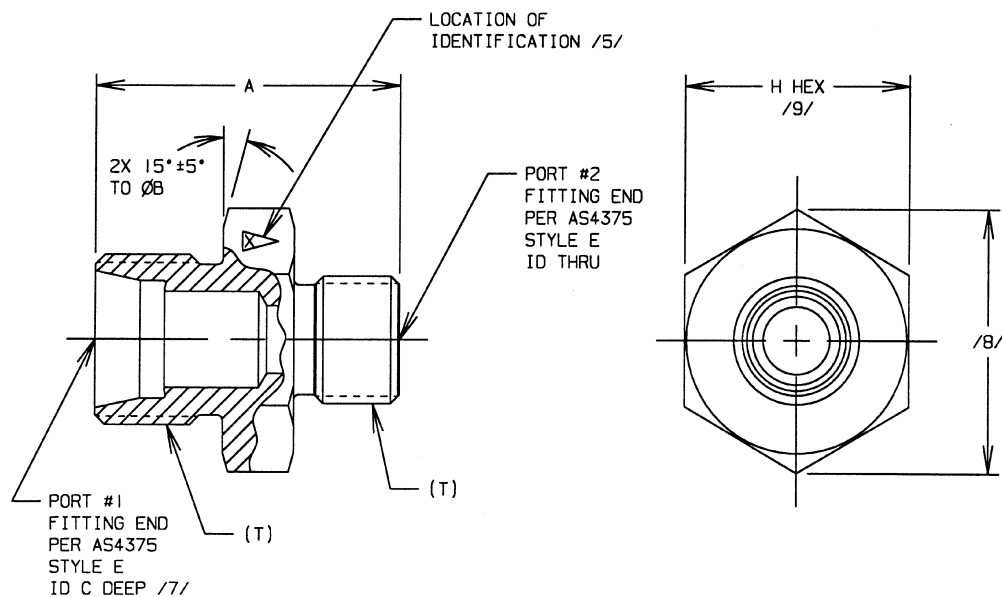


FIGURE 1 - FITTING, UNION AND REDUCER

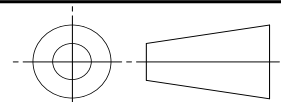
TABLE 1

TABLE 1A - DIMENSIONS /11/

PORT #1 /19/ SIZE CODE	PORT #2 SIZE CODE	PORT #2 SIZE CODE	PORT #2 SIZE CODE	PORT #2 SIZE CODE	PORT #2 SIZE CODE	PORT #2 SIZE CODE	PORT #2 SIZE CODE	PORT #2 SIZE CODE	PORT #2 SIZE CODE	PORT #2 SIZE CODE	PORT #2 SIZE CODE	PORT #2 SIZE CODE	PORT #2 SIZE CODE
02	1.063	-	-	-	-	-	-	-	-	-	-	-	-
03	1.047	1.094	-	-	-	-	-	-	-	-	-	-	-
04	1.094	1.141	1.063	-	-	-	-	-	-	-	-	-	-
05	-	-	1.156	1.063	-	-	-	-	-	-	-	-	-
06	1.156	1.203	1.219	1.219	1.188	-	-	-	-	-	-	-	-
08	1.250	1.297	1.344	1.344	1.344	1.375	-	-	-	-	-	-	-
10	-	-	1.438	1.438	1.625	1.531	1.563	-	-	-	-	-	-
12	-	-	1.531	1.531	1.531	1.625	1.688	1.750	-	-	-	-	-
14	-	-	1.531	1.531	1.531	1.625	1.688	1.750	1.750	-	-	-	-
16	-	-	1.531	-	-	-	1.688	1.750	-	1.750	-	-	-
20	-	-	1.531	-	-	-	-	1.813	-	1.750	1.750	-	-
24	-	-	-	-	-	-	-	-	-	1.750	1.750	1.750	-
32	-	-	-	-	-	-	-	-	-	-	-	-	1.813

SAE values your input. To provide feedback on this
Technical Report, please visit
<http://standards.sae.org/AS5230D>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS18280 /4/



AEROSPACE STANDARD

FITTING, UNION AND REDUCER, FLARELESS

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Documents

TABLE 1B - DIMENSIONS /21/

PORT #1 /19/ SIZE CODE	C ± .031 PORT #2 SIZE CODE 02	C ± .031 PORT #2 SIZE CODE 03	C ± .031 PORT #2 SIZE CODE 04	C ± .031 PORT #2 SIZE CODE 05	C ± .031 PORT #2 SIZE CODE 06	C ± .031 PORT #2 SIZE CODE 08	C ± .031 PORT #2 SIZE CODE 10	C ± .031 PORT #2 SIZE CODE 12	C ± .031 PORT #2 SIZE CODE 14	C ± .031 PORT #2 SIZE CODE 16	C ± .031 PORT #2 SIZE CODE 20	C ± .031 PORT #2 SIZE CODE 24	C ± .031 PORT #2 SIZE CODE 32
02	-	-	-	-	-	-	-	-	-	-	-	-	-
03	.547	-	-	-	-	-	-	-	-	-	-	-	-
04	.582	.577	-	-	-	-	-	-	-	-	-	-	-
05	-	-	.569	-	-	-	-	-	-	-	-	-	-
06	.612	.608	.614	.621	-	-	-	-	-	-	-	-	-
08	.670	.665	.703	.710	.716	-	-	-	-	-	-	-	-
10	-	-	.774	.671	.781	.781	-	-	-	-	-	-	-
12	-	-	.822	.829	.835	.845	.849	-	-	-	-	-	-
14	-	-	.790	.797	.804	.814	.818	.849	-	-	-	-	-
16	-	-	.759	-	-	-	.786	.823	-	-	-	-	-
20	-	-	.695	-	-	-	-	.823	-	.808	-	-	-
24	-	-	-	-	-	-	-	-	-	.735	.752	-	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1C - DIMENSIONS AND WEIGHTS /10/

PORT #1 SIZE CODE	(NOMINAL TUBE SIZE)	T THREAD PER AS8879 CLASS 3A	B ±.010	H	LB/EA APPROX REF AL	LB/EA APPROX REF STEEL	LB/EA APPROX REF TI
02	.125	.3125-24 UNJF	.542	.552-.565	.0138	.0396	.0218
03	.188	.3750-24 UNJF	.605	.615-.628	.0165	.0474	.0261
04	.250	.4375-20 UNJF	.668	.678-.691	.0164	.0470	.0259
05	.312	.5000-20 UNJF	.730	.740-.753	.0201	.0577	.0319
06	.375	.5625-18 UNJF	.792	.802-.815	.0286	.0821	.0453
08	.500	.7500-16 UNJF	.980	.990-1.003	.0508	.146	.0805
10	.625	.8750-14 UNJF	1.103	1.113-1.128	.0769	.221	.122
12	.750	1.0625-12 UNJ	1.353	1.363-1.380	.121	.348	.192
14	.875	1.1875-12 UNJ	1.478	1.488-1.505	.142	.408	.225
16	1.000	1.3125-12 UNJ	1.603	1.613-1.630	.167	.478	.264
20	1.250	1.6250-12 UNJ	1.853	1.863-1.880	.235	.676	.373
24	1.500	1.8750-12 UNJ	2.099	2.109-2.135	.279	.801	.442
32	2.000	2.5000-12 UNJ	2.724	2.734-2.760	.509	1.46	.807

NOTES

NOTICE

THIS DOCUMENT REFERENCES A PART WHICH CONTAINS CADMIUM AS A PLATING MATERIAL. CONSULT LOCAL OFFICIALS IF YOU HAVE QUESTIONS CONCERNING CADMIUM'S USE.

/1/ MATERIAL:

- DASH AS CODE LETTER - TYPE 4130 ALLOY STEEL BAR PER AMS6370 /2/.
- CODE LETTER D - TYPE 2024-T6 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/6 OR AMS4339 OR TYPE 2024-T851 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/6 /2/.
- CODE LETTER J - TYPE 304 CORROSION RESISTANT STEEL BAR PER AMS5639.
- CODE LETTER K - TYPE 316 CORROSION RESISTANT STEEL BAR PER AMS5648.
- CODE LETTER R - TYPE 321 CORROSION RESISTANT STEEL BAR PER AMS5645.
- CODE LETTER T - TYPE 6AL - 4V TITANIUM ALLOY BAR PER AMS4928.

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