

AS5232

TABLE 1 - DIMENSIONS

BASIC NO. AS5232 /14/ SIZE CODE	(NOMINAL TUBE SIZE) PORT #1	(NOMINAL TUBE SIZE) PORT #2	T THREAD PER MIL-S-8879 CLASS 3B	P THREAD PER MIL-S-8879 CLASS 3A	A	B	C
0302	.188	.125	.3750-24 UNJF	.3125-24 UNJF	1.125	.406	.516
0402	.250	.125	.4375-20 UNJF	.3125-24 UNJF	1.234	.438	.610
0403	.250	.188	.4375-20 UNJF	.3750-24 UNJF	1.250	.438	.610
0504	.312	.250	.5000-20 UNJF	.4375-20 UNJF	1.281	.438	.610
0604	.375	.250	.5625-18 UNJF	.4375-20 UNJF	1.313	.469	.610
0605	.375	.312	.5625-18 UNJF	.5000-20 UNJF	1.281	.469	.610
0804	.500	.250	.7500-16 UNJF	.4375-20 UNJF	1.484	.562	.734
0805	.500	.312	.7500-16 UNJF	.5000-20 UNJF	1.453	.562	.734
0806	.500	.375	.7500-16 UNJF	.5625-18 UNJF	1.469	.562	.734
1004	.625	.250	.8750-14 UNJF	.4375-20 UNJF	1.578	.625	.797
1005	.625	.312	.8750-14 UNJF	.5000-20 UNJF	1.563	.625	.797
1006	.625	.375	.8750-14 UNJF	.5625-18 UNJF	1.563	.625	.797
1008	.625	.500	.8750-14 UNJF	.7500-16 UNJF	1.656	.625	.797
1206	.750	.375	1.0625-12 UNJ	.5625-18 UNJF	1.734	.688	.922
1208	.750	.500	1.0625-12 UNJ	.7500-16 UNJF	1.828	.688	.922

TABLE 1A - DIMENSIONS AND WEIGHTS

BASIC NO. AS5232 /14/ SIZE CODE	D ±.010	H	LB/EA MAX AL	LB/EA MAX STEEL	LB/EA MAX TI
0302	.605	.615-.628	.0248	.0711	.0392
0402	.668	.678-.691	.0324	.0929	.0513
0403	.668	.678-.691	.0323	.0928	.0512
0504	.730	.740-.753	.0373	.107	.0590
0604	.792	.802-.815	.0438	.126	.0693
0605	.792	.802-.815	.0307	.0881	.0486
0804	.980	.990-1.003	.0707	.203	.112
0805	.980	.990-1.003	.0687	.197	.109
0806	.980	.990-1.003	.0701	.201	.111
1004	1.103	1.113-1.128	.0928	.266	.147
1005	1.103	1.113-1.128	.0918	.264	.145
1006	1.103	1.113-1.128	.0902	.259	.143
1008	1.103	1.113-1.128	.0958	.275	.152
1206	1.353	1.363-1.380	.153	.438	.242
1208	1.353	1.363-1.380	.158	.454	.250

AS5232

TABLE 1B - DIMENSIONS

BASIC NO. AS5232 /14/ SIZE CODE	(NOMINAL TUBE SIZE) PORT #1	(NOMINAL TUBE SIZE) PORT #2	T THREAD PER MIL-S-8879 CLASS 3B	P THREAD PER MIL-S-8879 CLASS 3A	A	B	C
1210	.750	.625	1.0625-12 UNJ	.8750-14 UNJF	1.891	.688	.922
1606	1.000	.375	1.3125-12 UNJ	.5625-18 UNJF	1.844	.688	.954
1608	1.000	.500	1.3125-12 UNJ	.7500-16 UNJF	1.938	.688	.954
1610	1.000	.625	1.3125-12 UNJ	.8750-14 UNJF	1.984	.688	.954
1612	1.000	.750	1.3125-12 UNJ	1.0625-12 UNJ	2.031	.688	.954
2008	1.250	.500	1.6250-12 UNJ	.7500-16 UNJF	2.078	.688	1.000
2010	1.250	.625	1.6250-12 UNJ	.8750-14 UNJF	2.125	.688	1.000
2012	1.250	.750	1.6250-12 UNJ	1.0625-12 UNJ	2.156	.688	1.000
2016	1.250	1.000	1.6250-12 UNJ	1.3125-12 UNJ	2.078	.688	1.000

TABLE 1C - DIMENSIONS AND WEIGHTS

BASIC NO. AS5232 /14/ SIZE CODE	D ±.010	H	LB/EA MAX AL	LB/EA MAX STEEL	LB/EA MAX TI
1210	1.353	1.353-1.380	.163	.469	.259
1606	1.603	1.613-1.630	.221	.635	.350
1608	1.603	1.613-1.630	.226	.649	.358
1610	1.603	1.613-1.630	.219	.630	.347
1612	1.603	1.613-1.630	.228	.654	.361
2008	1.853	1.863-1.880	.304	.873	.481
2010	1.853	1.863-1.880	.303	.871	.480
2012	1.853	1.863-1.880	.297	.851	.470
2016	1.853	1.863-1.880	.276	.793	.438

NOTES:

/1/ MATERIAL:

- DASH AS CODE LETTER - TYPE 4130 CARBON STEEL BAR PER MIL-S-6758 OR AMS 6370. /2/
- CODE LETTER D - TYPE 2024-T6 ALUMINUM ALLOY BAR PER QQ-A-225/6 OR AMS 4112 OR TYPE 2024-T851 ALUMINUM ALLOY BAR PER QQ-A-225/6. /2/
- CODE LETTER J - TYPE 304 CORROSION RESISTANT STEEL BAR PER QQ-S-763 OR AMS 5639.
- CODE LETTER K - TYPE 316 CORROSION RESISTANT STEEL BAR PER QQ-S-763 OR AMS 5648.
- CODE LETTER R - TYPE 321 CORROSION RESISTANT STEEL BAR PER QQ-S-763 OR AMS 5645.
- CODE LETTER T - TYPE 6AL-4V TITANIUM ALLOY BAR PER AMS 4928.
- CODE LETTER W - TYPE 7075-T73 ALUMINUM ALLOY BAR PER QQ-A-225/9 OR TYPE 7075-T7351 ALUMINUM ALLOY BAR PER AMS 4124. /2/

NOTES (CONTINUED):

/2/ HEAT TREATMENT:

- a. DASH AS CODE LETTER - SEE HARDNESS REQUIREMENT PER PROCUREMENT SPECIFICATION.
- b. CODE LETTERS D AND W - SEE ELECTRICAL CONDUCTIVITY AND HARDNESS REQUIREMENT PER PROCUREMENT SPECIFICATION.
- c. OTHER CODE LETTERS - NONE.

3. FINISH:

- a. DASH AS CODE LETTER - CADMIUM PLATE PER QQ-P-416, TYPE II, CLASS 2 AND COAT WITH A LIGHT FILM OF OIL PER PROCUREMENT SPECIFICATION.
- b. CODE LETTER D - ANODIZE PER MIL-A-8625, TYPE II, CLASS 2, DYE GREEN, DUPLEX SEAL PER PROCUREMENT SPECIFICATION.
- c. CODE LETTER J, K AND R - PASSIVATE PER QQ-P-35, TYPE VI OR VII.
- d. CODE LETTER T - ANODIZE PER AMS 2488 OR FLUORIDE PHOSPHATE CONVERSION COAT PER AMS 2486 WITH COLOR PER PROCUREMENT SPECIFICATION.
- e. CODE LETTER W - ANODIZE PER MIL-A-8625, TYPE II, CLASS 2, DYE BROWN, DUPLEX SEAL PER PROCUREMENT SPECIFICATION.

/4/ PROCUREMENT SPECIFICATION: AS4444 EXCEPT AS SPECIFIED ON THIS STANDARD. THIS PART SHALL BE QUALIFIED TO THE PROCUREMENT SPECIFICATION IN A COMPLETE ASSEMBLY AS APPLICABLE. USERS OF THIS STANDARD ARE ADVISED TO CONTROL SOURCE APPROVAL(S) BY STANDARD PAGE SUPPLEMENT SHEET OR SIMILAR MEANS.

/5/ IDENTIFICATION AT LOCATION SHOWN: MARK PER AS478 CLASS C OR D OR METHOD 7A3, 15A3, OR 15B.

- a. FOR SIZE 06 AND SMALLER: MANUFACTURER'S NAME, CAGE CODE OR TRADEMARK, LETTER "AS" AND MATERIAL CODE LETTER.
- b. FOR SIZE 08 AND LARGER: MANUFACTURER'S NAME, CAGE CODE OR TRADEMARK, BASIC PART NUMBER AND MATERIAL CODE LETTER.

6. INTENDED USE: THIS PART IS DESIGNED FOR USE IN SYSTEMS WITH MAXIMUM OPERATING PRESSURES AS FOLLOWS:

- a. SIZES 03 THROUGH 16 IN CORROSION RESISTANT STEEL AND TITANIUM ALLOY AT 5000 psi.
- b. SIZE 20 IN CORROSION RESISTANT STEEL AND TITANIUM ALLOY AT 4000 psi.
- c. SIZES 03 THROUGH 12 IN ALUMINUM ALLOY AND SIZE 20 IN CORROSION RESISTANT STEEL AND TITANIUM ALLOY AT 3000 psi.
- d. SIZES 16 THROUGH 20 IN ALUMINUM ALLOY AT 1500 psi.

THIS STANDARD IS THE FUNCTIONAL EQUIVALENT OF MS21915 AND IS INTENDED TO BE SUITABLE AS A REPLACEMENT STANDARD.

/7/ THE INTERNAL DIAMETER SHALL END IN A CONICAL END OF 110° MINIMUM INCLUDED ANGLE.

/8/ THE HEX CORNERS MAY BE ROUNDED PER ARP1942.

9. INTERPRETATION OF DRAWING PER ARP4296.

10. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M; REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, MACHINED SURFACES TO BE 125 μ m Ra. SURFACES OF HEX FLATS MAY BE 250 μ m Ra.

11. BREAK EDGES .003 TO .015 UNLESS OTHERWISE SPECIFIED.

12. DIMENSIONING AND TOLERANCING: ASME Y14.5M-1994.

13. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS \pm .016, ANGULAR DIMENSIONS \pm 0°30'.