

Full document details: [SAE AS4863A](#)

TABLE 1 - DIMENSIONS A-N

BASIC NO. AS4863 /12/ SIZE CODE	T THREAD ANPT AS71051	A	B	C	D MAX	E +.002 -.010	H MAX	M	N MAX
00	.063-27	.312	.188	.094	--	.188	--	.031	.010
01	.125-27	.328	.250	.125	--	.281	--	.062	.010
02	.250-18	.484	.281	.125	--	.375	--	.062	.010
03	.375-18	.484	.312	.125	.359	.438	.375	.062	.010
04	.500-14	.625	.375	.125	.500	.563	.531	.062	.010
06	.750-14	.641	.438	.125	.500	.625	.719	.062	.010
08	1.000-11.5	.797	.500	.125	.656	.813	.938	.062	.047
10	1.250-11.5	.828	.562	.125	.672	.938	1.250	.062	.047
12	1.500-11.5	.828	.625	.125	.672	1.125	1.469	.062	.047
16	2.000-11.5	.859	.688	.125	.688	1.313	1.906	.062	.047
20	2.500-8	1.297	.750	.125	1.125	1.500	2.031	.062	.047

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.

CADMIUM IS CARCINOGENIC TO HUMANS (INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC), GROUP 1) AND IS HAZARDOUS TO ECOSYSTEMS AND HUMAN HEALTH. SUGGEST USE OF ALTERNATIVE MATERIALS, WHEN POSSIBLE.

/1/ MATERIAL CODE:

- a. "-" = COPPER ALLOY UNS C37700 FORGING OR BAR PER ASTM B124/124M OR FORGING PER AMS4614, OR COPPER ALLOY C67000 OR C67500 BAR PER ASTM B138/B138M.
- b. "D" = 2014-T6 ALUMINUM ALLOY FORGING PER AMS-QQ-A-367 OR AMS4133 OR 2024-T6 OR -T851 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/6 OR AMS4339.
- c. "F" = TYPE 4130 STEEL FORGING OR BAR PER AMS-S-6758 OR AMS6370 OR TYPE 4140 PER AMS6349 OR AMS6382. /16/
- d. "J" = 304 CRES FORGING/BAR PER AMS-QQ-S-763 OR BAR PER AMS5639.
- e. "K" = 316 CRES FORGING/BAR PER AMS-QQ-S-763 OR AMS5648.
- f. "R" = 321 CRES FORGING/BAR PER AMS-QQ-S-763 OR AMS5645.
- g. "S" = 347 CRES FORGING/BAR PER AMS-QQ-S-763 OR BAR PER AMS5646. /15/
- h. "V" = 15-5 PH CRES (UNS S15500) FORGING/BAR PER AMS5659, AMS5862 CONDITION H1100, UNS S15500, CONDITION H1100, PER ASTM A564/A564M, UNS S15500, CONDITION H1100, PER ASTM A705/A705M.
- j. "W" = 7075-T73 ALUMINUM ALLOY FORGING PER AMS-QQ-S-367 OR AMS4141 OR 7075-T73 OR -T7351 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/9 OR AMS4124.

/2/ FINISH:

- a. DASH AS MATERIAL CODE, "-":
 - (1) "-" CODED PARTS TO BE CADMIUM PLATED WILL HAVE NO FINISH CODE LETTER AFTER THE SIZE CODE IN THE PART NUMBER. THE FINISH SHALL BE CADMIUM PLATED PER AMS-QQ-P-416, TYPE II, CLASS 3.
 - (2) FINISH CODE LETTER "U":

"-" CODED PARTS TO BE PLATED WITH ZINC-NICKEL PLATING PER MIL-PRF-32647, TYPE K16, OR AMS2461, TYPE II, CLASS 3, SHALL HAVE THE FINISH CODE LETTER "U" AFTER THE SIZE CODE IN THE PART NUMBER.

	AEROSPACE STANDARD		AS4863™ SHEET 1 OF 1	REV. A
	(R) PLUG, PIPE, EXTERNAL THREAD			

