

FED. SUPPLY CLASS

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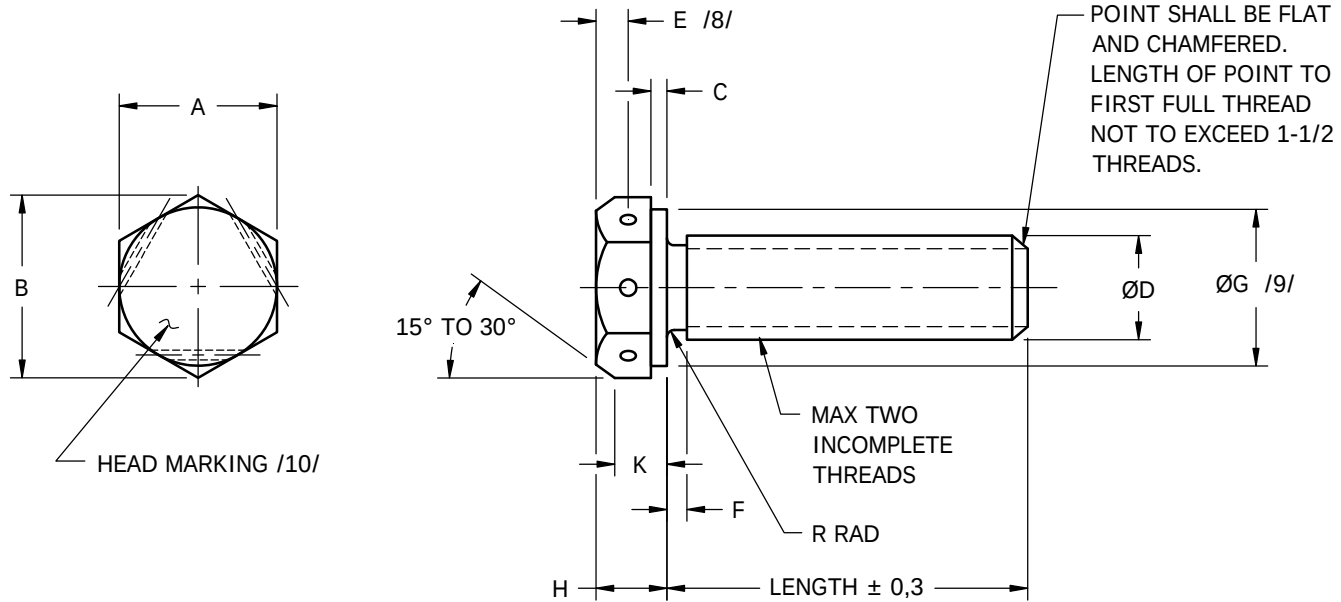
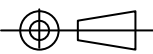


TABLE I – DIMENSIONS

NOMINAL SCREW ØD AND THREAD PITCH	A WIDTH ACROSS FLATS		B WIDTH ACROSS CORNERS		C WASHER FACE THICKNESS		F FILLET LENGTH	ØG WASHER FACE	H HEAD HEIGHT		R RADIUS OF FILLET	K WRENCHING HEIGHT
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MIN	MIN
M3 x 0,5	5,50	5,32	6,35	6,07	0,4	0,2	1,0	4,6	2,12	1,88	0,1	1,3
M4 x 0,7	7,00	6,78	8,08	7,66	0,4	0,2	1,2	5,9	2,92	2,68	0,2	1,9
M5 x 0,8	8,00	7,78	9,24	8,79	0,5	0,2	1,2	6,9	3,65	3,35	0,2	2,4
M6 x 1	10,00	9,78	11,55	11,05	0,5	0,2	1,4	8,9	4,15	3,85	0,3	2,8
M8 x 1,25	13,00	12,73	15,01	14,38	0,6	0,3	2,0	11,6	5,50	5,10	0,4	3,7
M10 x 1,5	16,00	15,73	18,48	17,77	0,6	0,3	2,0	14,6	6,63	6,17	0,4	4,5
M12 x 1,75	18,00	17,73	20,78	20,03	0,6	0,3	3,0	16,6	7,76	7,24	0,6	5,2
M16 x 2	24,00	23,67	27,71	26,75	0,8	0,4	3,0	22,5	10,32	9,68	0,6	7,0
M20 x 2,5	30,00	29,16	34,64	32,95	0,8	0,4	4,0	28,2	12,88	12,12	0,8	8,8
M24 x 3	36,00	35,00	41,57	39,55	0,8	0,4	4,0	33,6	15,44	14,56	0,8	10,5
M30 x 3,5	46,00	45,00	53,12	50,85	0,8	0,4	6,0	42,7	18,48	17,92	1,0	13,1
M36 x 4	55,00	53,00	63,51	60,79	0,8	0,4	6,0	51,1	23,38	21,62	1,0	15,8
M10 x 1,5 /2/	15,00	14,73	17,32	16,64	0,6	0,3	2,0	13,6	6,63	6,17	0,4	4,5

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES DS51474. PART NUMBERS REMAIN DS51474.

THIRD
ANGLE
PROJECTION



CUSTODIAN
NATIONAL AEROSPACE STANDARDS COMMITTEE

REVISION

2

PROCUREMENT
SPECIFICATION
ASME B18.2.3.1M

TITLE

SCREW, CAP, HEX HEAD,
FULLY THREADED, METRIC

CLASSIFICATION
PART STANDARD

NAM51474
SHEET 1 OF 3



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MATERIAL:

STEEL, PROPERTY CLASS 10.9, IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.

FINISH:

CADMIUM PLATED IN ACCORDANCE WITH AMS-QQ-P-416, TYPE II, CLASS 3 (5,1 µm THICK).

PART NUMBER:

THE BASIC PART NUMBER IS FOLLOWED BY A FINISH CODE LETTER ("A" CADMIUM PLATE), FOLLOWED BY A FIVE DIGIT NUMBER TAKEN FROM TABLE II INDICATING DIAMETER, THREAD PITCH AND LENGTH, FOLLOWED BY THE LETTER "D" IF A DRILLED HEAD IS REQUIRED, FOLLOWED BY THE LETTER "F" IF THE 15 mm WIDTH ACROSS FLATS IS REQUIRED FOR THE M10 DIAMETER SIZE.

EXAMPLE OF PART NUMBER:

DS51474 A 05008 D = SCREW, CAP, HEX HEAD, FULLY THREADED METRIC, M5 x 0,8 DIAMETER AND THREAD PITCH, 8 mm LENGTH, CADMIUM PLATED WITH DRILLED HEAD.

DRILLED HEAD

DIAMETER, THREAD PITCH AND LENGTH

FINISH (CADMIUM PLATE)

BASIC PART NUMBER

NOTES:

- (1) DIMENSIONS IN MILLIMETERS AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- /2/ THIS SIZE IS NOT AN ISO STANDARD, UNLESS M10 SCREWS WITH 15 mm WIDTH ACROSS FLATS ARE SPECIFICALLY ORDERED, M10 SCREWS WITH 16 mm WIDTH ACROSS FLATS SHALL BE FURNISHED.
- ② (3) UNLESS OTHERWISE SPECIFIED HEREIN, REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF MANUFACTURE. HOWEVER, EXISTING MATERIAL INVENTORY CERTIFIED TO A PREVIOUS REVISION OF THE APPLICABLE MATERIAL SPECIFICATION(S) IS ACCEPTABLE FOR USE UNTIL DEPLETION.
- (4) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (5) THREADS: STANDARD COARSE PITCH M PROFILE TOLERANCE CLASS 6g, IN ACCORDANCE WITH FED-STD-H28/21. ACCEPTABILITY OF SCREW THREADS SHALL BE IN ACCORDANCE WITH FED-STD-H28/20, SYSTEM 21.
- (6) QUALITY ASSURANCE PROVISIONS IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.
- (7) PACKAGING IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.

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SHEET 2



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