

FED. SUPPLY CLASS
5305

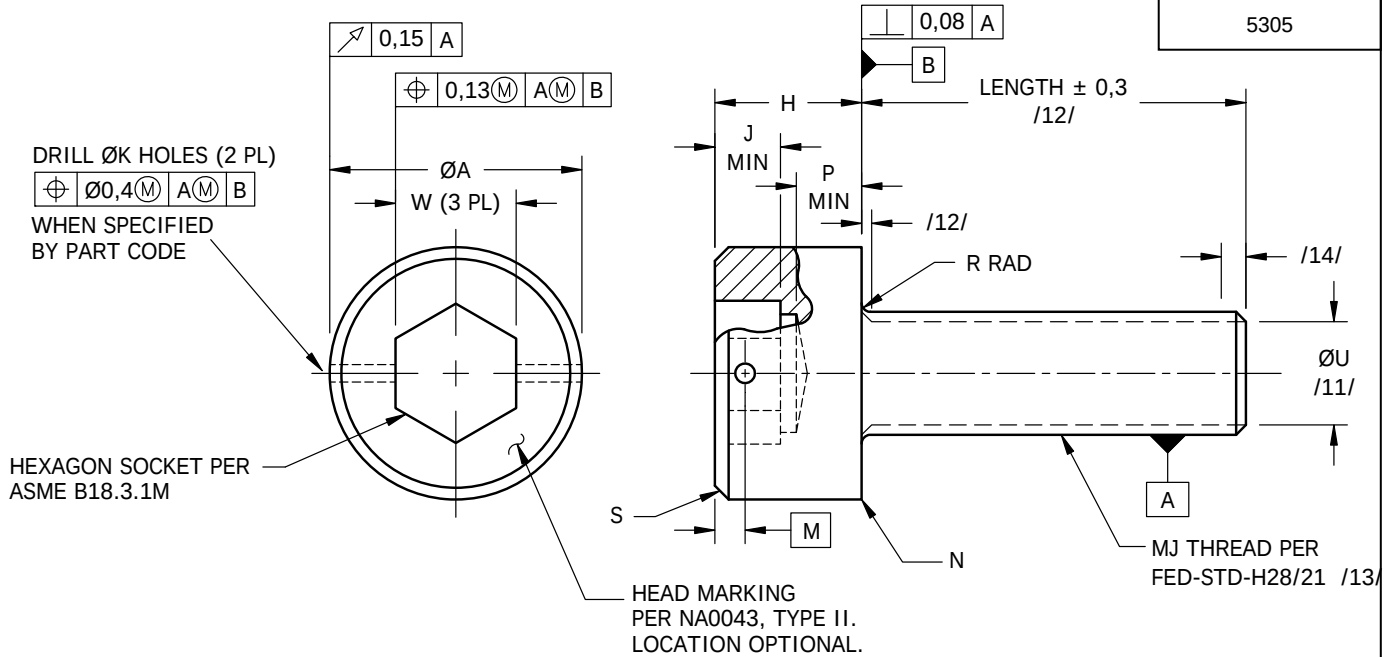


TABLE I – DIMENSIONS

DIA CODE	THREAD 4h6h	ØA	H	S MAX /15/	N MIN /15/	J MIN	P MIN	M BASIC	ØK	R RAD	ØU /11/	W SOCKET SIZE	TENSILE FORCE MIN N
016	MJ1,6 x 0,35	3,00 2,87	1,60 1,52	0,16	0,08	0,8	0,54	–	–	0,3 0,1	1,1 0,6	1,545 1,520	741
020	MJ2 x 0,4	3,80 3,65	2,00 1,91	0,20	0,08	1,0	0,68	–	–	0,3 0,1	1,4 0,9	1,545 1,520	1 180
025	MJ2,5 x 0,45	4,50 4,33	2,50 2,40	0,25	0,08	1,25	0,85	–	–	0,3 0,1	1,9 1,4	2,045 2,020	1 900
030	MJ3 x 0,5	5,50 5,32	3,00 2,89	0,30	0,13	1,5	1,0	0,75	1,14 1,00	0,4 0,2	2,3 1,8	2,560 2,520	2 800
040	MJ4 x 0,7	7,00 6,80	4,00 3,88	0,40	0,13	2,0	1,5	1,23	1,14 1,00	0,4 0,2	3,0 2,5	3,071 3,020	4 950
050	MJ5 x 0,8	8,50 8,27	5,00 4,86	0,50	0,13	2,5	1,9	1,3	1,14 1,00	0,5 0,3	4,0 3,5	4,084 4,020	7 900
060	MJ6 x 1	10,00 9,74	6,00 5,85	0,60	0,20	3,0	2,3	1,4	1,54 1,40	0,7 0,5	4,7 4,2	5,084 5,020	11 200
080	MJ8 x 1	13,00 12,70	8,00 7,83	0,80	0,20	4,0	3,2	1,4	1,54 1,40	0,7 0,5	6,7 6,2	6,095 6,020	21 200
100	MJ10 x 1,25	16,00 15,67	10,00 9,81	1,0	0,20	5,0	4,0	1,5	1,74 1,60	0,8 0,6	8,4 7,9	8,115 8,025	33 100

MATERIAL:

CRES 300 SERIES IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.

HEAT TREATMENT:

NONE.

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THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 1
PROCUREMENT SPECIFICATION NA0271	TITLE SCREW, CAP, SOCKET HEAD, FULL THREAD, 300 SERIES CRES, 500 MPa FtU, METRIC	CLASSIFICATION PART STANDARD

FINISH:

PASSIVATE PER AMS2700, METHOD 1, CLASS 4.

CODE:

BASIC DRAWING NUMBER FOLLOWED BY A DASH AND THREE DIGITS TO INDICATE NOMINAL DIAMETER AS TABULATED, AND A SECOND THREE DIGITS TO DESIGNATE NOMINAL LENGTH. SEE TABLE II FOR LIMITS.

CODE LETTER "H" FOLLOWING BASIC PART NUMBER DESIGNATES DRILLED HEAD. DIAMETER CODES OF "016", "020", AND "025" ARE NOT AVAILABLE WITH DRILLED HEADS.

EXAMPLE OF PART NUMBER:

NA0274-060 012

LENGTH CODE 012 = 12 mm LONG; SEE TABLE II

DIAMETER CODE 060 = 6 mm DIAMETER, MJ6 x 1 THREAD

SCREW, SOCKET HEAD, FULL THREAD, CRES, 500 MPa, METRIC

NOTES:

- (1) SURFACE ROUGHNESS: BEARING SURFACE OF HEAD, HEAD TO SHANK FILLET, AND ALL THREAD ELEMENTS: 0,8 MICROMETERS Ra; ALL OTHER SURFACES: 3,2 MICROMETERS Ra PER ASME B46.1.
- (2) REMOVE ALL BURRS AND BREAK SHARP EDGES 0,1 to 0,4.
- (3) DIMENSIONS IN MILLIMETERS AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (4) DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994 AND NA0156.
- (5) MAGNETIC PERMEABILITY SHALL BE LESS THAN 2,0 (AIR = 1,0) FOR A FIELD STRENGTH H = 16 kA/m USING A MAGNETIC PERMEABILITY INDICATOR PER ASTM A 342/A 342M, TEST METHOD 3.
- (6) DIMENSIONING OF "S" AND "N" FEATURES PER ASME B 18.3.1M.
- (7) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (8) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (9) 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.
- /10/ CODE NUMBERS REPRESENT LENGTH IN WHOLE MILLIMETERS, e.g., "012" CODE IS EQUIVALENT TO 12 mm LENGTH. SPECIFY LENGTHS IN 2 mm INCREMENTS THROUGH 100 mm, AND IN 4 mm INCREMENTS OVER 100 mm. THE MIN AND MAX VALUES ARE THE SHORTEST AND LONGEST SCREWS THAT CAN BE PROCURED FOR THAT PARTICULAR DIAMETER CODE AND THREAD SIZE.

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REVISION

1

NA0274
SHEET 2



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