

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
11000 WILSON BLVD.
ARLINGTON, VA 22209

THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE SAME PRODUCT AND SHALL BECOME EFFECTIVE NO LATER THAN SIX MONTHS FROM THE LAST REVISION DATE.

FORM 12-01

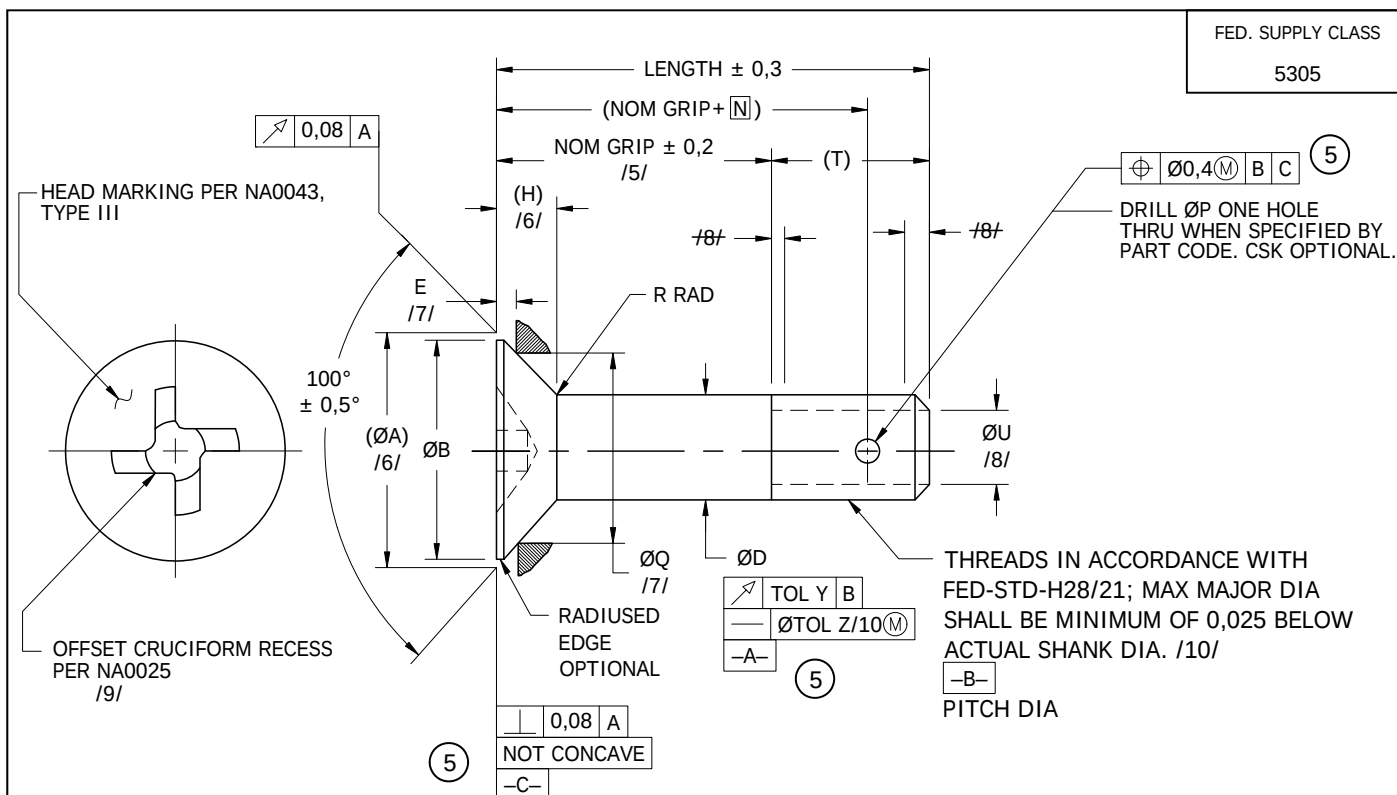
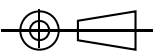


TABLE I – DIMENSIONS

DIA CODE	THREAD	(ØA) MAX /6/	ØB MIN	ØD	E GAGE PROT. /7/	(H) /6/	N BASIC	ØP	ØQ GAGE /7/	R RAD	(T)	ØU /8/	Y	Z
050	MJ5 x 0,8 - 4h6h	10,0	9,0	4,990 4,965	0,72 0,64	2,12	7,5	1,64 1,50	8,305 8,300	0,5 0,3	12,0	3,9 3,4	0,12	0,02
060	MJ6 x 1 - 4h6h	12,0	10,8	5,990 5,965	0,80 0,72	2,54	8,5	1,64 1,50	10,105 10,100	0,7 0,5	14,0	4,7 4,2	0,12	0,02
080	MJ8 x 1 - 4h6h	16,0	14,8	7,987 7,962	0,93 0,85	3,39	10,5	2,04 1,90	13,805 13,800	0,7 0,5	16,5	6,7 6,2	0,15	0,02
100	MJ10 x 1,25 - 4h6h	20,0	18,8	9,987 9,962	1,06 0,98	4,24	13,0	2,54 2,40	17,505 17,500	0,8 0,6	20,5	8,4 7,9	0,15	0,015
120	MJ12 x 1,25 - 4h6h	24,0	22,8	11,984 11,959	1,27 1,19	5,08	14,5	2,54 2,40	21,005 21,000	0,9 0,6	22,5	10,4 9,9	0,18	0,015
140	MJ14 x 1,5 - 4h6h	28,0	26,8	13,984 13,959	1,48 1,40	5,93	17,0	3,14 3,00	24,505 24,500	1,1 0,8	26,0	12,0 11,5	0,18	0,015
160	MJ16 x 1,5 - 4h6h	32,0	30,8	15,984 15,959	1,70 1,62	6,79	18,5	3,14 3,00	28,005 28,000	1,1 0,8	28,5	14,0 13,5	0,18	0,015
180	MJ18 x 1,5 - 4h6h	36,0	34,8	17,984 17,959	1,91 1,83	7,63	21,0	3,98 3,80	31,505 31,500	1,3 1,0	31,0	16,0 15,5	0,18	0,015
200	MJ20 x 1,5 - 4h6h	40,0	38,8	19,980 19,955	2,12 2,04	8,48	22,5	3,98 3,80	35,005 35,000	1,3 1,0	33,5	18,0 17,5	0,21	0,015

THIRD
ANGLE
PROJECTION



PROCUREMENT SPECIFICATION

NA0057

CUSTODIAN

NATIONAL AEROSPACE STANDARDS COMMITTEE

TITLE

**SCREW, CLOSE TOLERANCE, 100° FLUSH HEAD,
OFFSET CRUCIFORM RECESS, ALLOY STEEL,
750 MPa SHEAR, METRIC**

REVISION

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CLASSIFICATION
PART STANDARD

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SHEET 1 OF 5

TABLE I – DIMENSIONS (CONTINUED)

DIA CODE	OFFSET CRUCIFORM RECESS	
	RECESS NO	INSPECTION TORQUE Nm /9/
050	10	5,6
060	1/4	14
080	5/16	28
100	3/8	48
120	1/2	135
140	9/16	200
160	5/8	275
180	3/4	400
200	3/4	400

MATERIAL:

ALLOY STEEL PER PROCUREMENT SPECIFICATION:

ALLOY STEEL – 4140 (UNS G41400) PER AMS6382, 4340 (UNS G43406) PER AMS6415 OR AMS6484, OR 8740 (UNS G87400) PER AMS6322, AMS6325 OR AMS6327.

HEAT TREATMENT:

DEVELOP BASIC MATERIAL PROPERTIES AS FOLLOWS, WITH CONTROLS PER AMS2759:
750 MPa MINIMUM ULTIMATE SHEAR (40-43 HRC).

FINISH:

CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2 (8-14 µm THICK).

CODE:

FIRST THREE NUMBERS INDICATE NOMINAL SHANK DIAMETER IN MILLIMETERS AND TENTHS AS TABULATED.
SECOND THREE NUMBERS DESIGNATE NOMINAL GRIP LENGTH IN MILLIMETERS AS TABULATED.
CODE LETTER "D" FOLLOWING BASIC PART NUMBER INDICATES DRILLED THREAD. /4/

EXAMPLES OF PART NUMBER:

NA0060-080016 = SCREW; MJ8 x 1 THREAD; 16 mm GRIP
NA0060D080016 = SCREW; MJ8 x 1 THREAD; 16 mm GRIP; DRILLED THREAD
NA0060-090016 = SCREW; MJ8 x 1 THREAD; 16 mm GRIP; 1 mm OVERSIZE SHANK

REVISION

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NA0060
SHEET 2



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