

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
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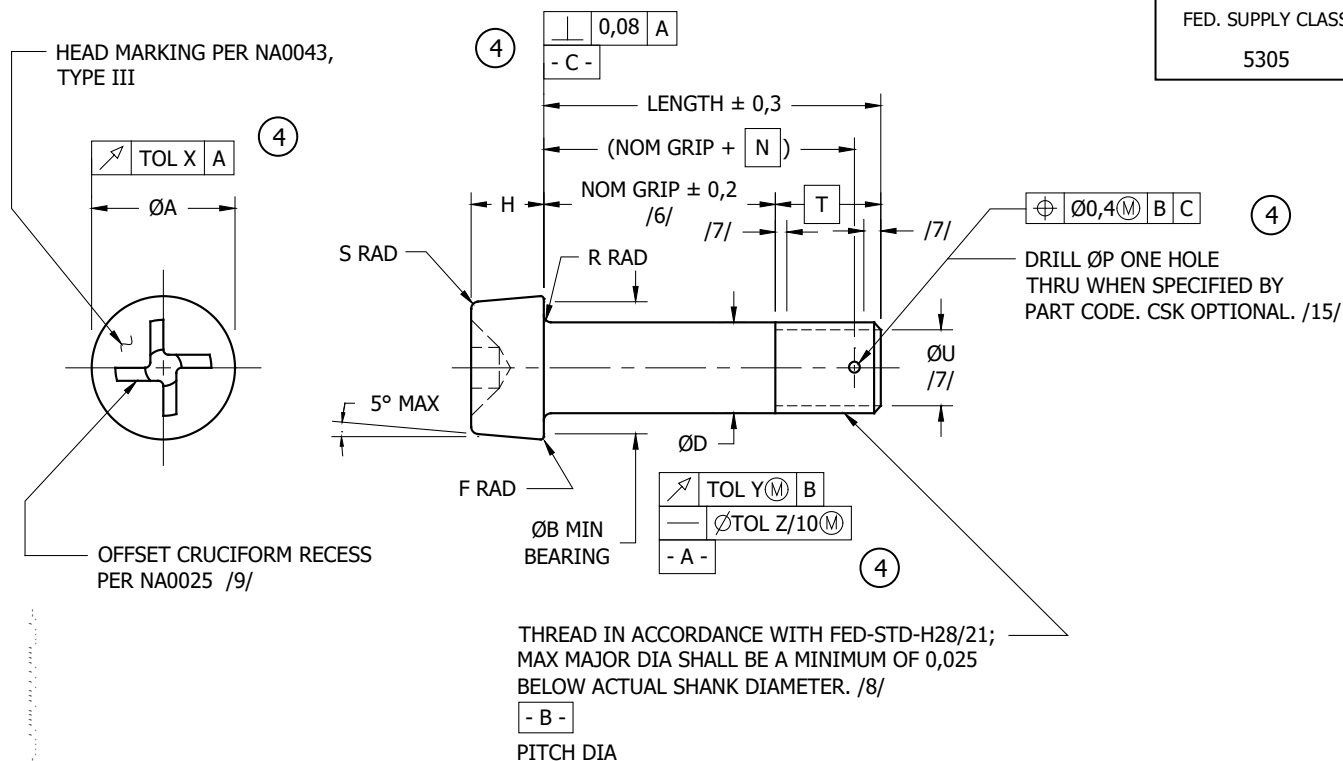


FIGURE 1 – SCREW

TABLE I – DIMENSIONS

DIA DASH NUMBER	THREAD	ØA	ØB BEARING MIN	ØD	F RAD	H	N BASIC	ØP /15/	R RAD	S RAD	T BASIC	ØU	X	Y	Z
030	MJ3 x 0,5 - 4h6h	6,0 5,7	5,1	2,994 2,984	0,5 0,2	1,8 1,6	–	–	0,4 0,2	1,2 0,3	6,0	2,3 1,8	0,11	0,10	0,02
035	MJ3,5 x 0,6 - 4h6h	7,0 6,7	6,1	3,490 3,478	0,3 0,1	2,1 1,9	–	–	0,4 0,2	1,4 0,3	6,6	2,7 2,2	0,12	0,12	0,02
040	MJ4 x 0,7 - 4h6h	8,0 7,7	7,1	3,990 3,978	0,5 0,2	2,4 2,2	5,0	1,24 1,10	0,4 0,2	1,6 0,4	7,5	3,0 2,5	0,14	0,12	0,02
050	MJ5 x 0,8 - 4h6h	10,0 9,7	9,1	4,990 4,978	0,5 0,2	3,0 2,8	6,0	1,64 1,50	0,5 0,3	2,0 0,5	9,0	4,0 3,5	0,18	0,12	0,02
060	MJ6 x 1 - 4h6h	12,0 11,7	11,1	5,990 5,978	0,5 0,2	3,6 3,3	7,0	1,64 1,50	0,7 0,5	2,4 0,6	10,0	4,7 4,2	0,21	0,12	0,02
080	MJ8 x 1 - 4h6h	16,0 15,7	14,7	7,987 7,972	0,5 0,2	4,8 4,5	7,5	2,04 1,90	0,7 0,5	3,2 0,8	11,5	6,7 6,2	0,28	0,15	0,02
100	MJ10 x 1,25 - 4h6h	20,0 19,7	18,7	9,987 9,972	0,5 0,2	6,0 5,7	9,0	2,54 2,40	0,8 0,6	4,0 1,0	14,5	8,4 7,9	0,35	0,15	0,01

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.

REVISION DATE: APRIL 30, 2019

ISSUE DATE: OCTOBER 1978

THIRD ANGLE PROJECTION		CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 4
PROCUREMENT SPECIFICATION NA0007	TITLE SCREW, CLOSE TOLERANCE, PAN HEAD, OFFSET CRUCIFORM RECESS, TITANIUM ALLOY, 1100 MPa, METRIC	CLASSIFICATION PART STANDARD NA0047	Document SHEET 1 OF 5

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TABLE I – DIMENSIONS (CONTINUED)

DIA DASH NUMBER	OFFSET CRUCIFORM RECESS	
	RECESS NO	INSPECTION TORQUE Nm /9/
030	4	1,8
~~035~~	~~6~~	~~2,7~~
040	8	4,2
050	10	5,6
060	1/4	14
080	5/16	28
100	3/8	48

/4/

MATERIAL:

6AL-4V TITANIUM ALLOY PER PROCUREMENT SPECIFICATION.
TITANIUM ALLOY – 6AL-4V (UNS R56400) PER AMS4928 OR AMS4967.

HEAT TREATMENT:

DEVELOP BASIC MATERIAL PROPERTIES AS FOLLOWS, WITH CONTROLS PER AMS-H-81200 OR AMS2801:
1100 MPA MINIMUM ULTIMATE TENSILE.

FINISH:

NONE.

CODE:

④

NA0047 D 080 016

BASIC NUMBER — GRIP DASH NUMBER (TABLE II)

— DIA DASH NUMBER (TABLE I, III OR IV)

DRILL: —

"D" = DRILLED THREAD /5/ /15/

"-" = NONE

EXAMPLES OF PART NUMBER:

NA0047-080016 = SCREW; MJ8 x 1 THREAD; 16 mm GRIP
NA0047D080016 = SCREW; MJ8 x 1 THREAD; 16 mm GRIP; DRILLED THREAD
NA0047-090016 = SCREW; MJ8 x 1 THREAD; 16 mm GRIP; 1 mm OVERSIZE SHANK

NOTES:

- (1) SURFACE TEXTURE: BEARING SURFACE OF HEAD, HEAD TO SHANK FILLET RADIUS, SHANK 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.

REVISION

4

NA0047
SHEET 2



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