

FED. SUPPLY CLASS

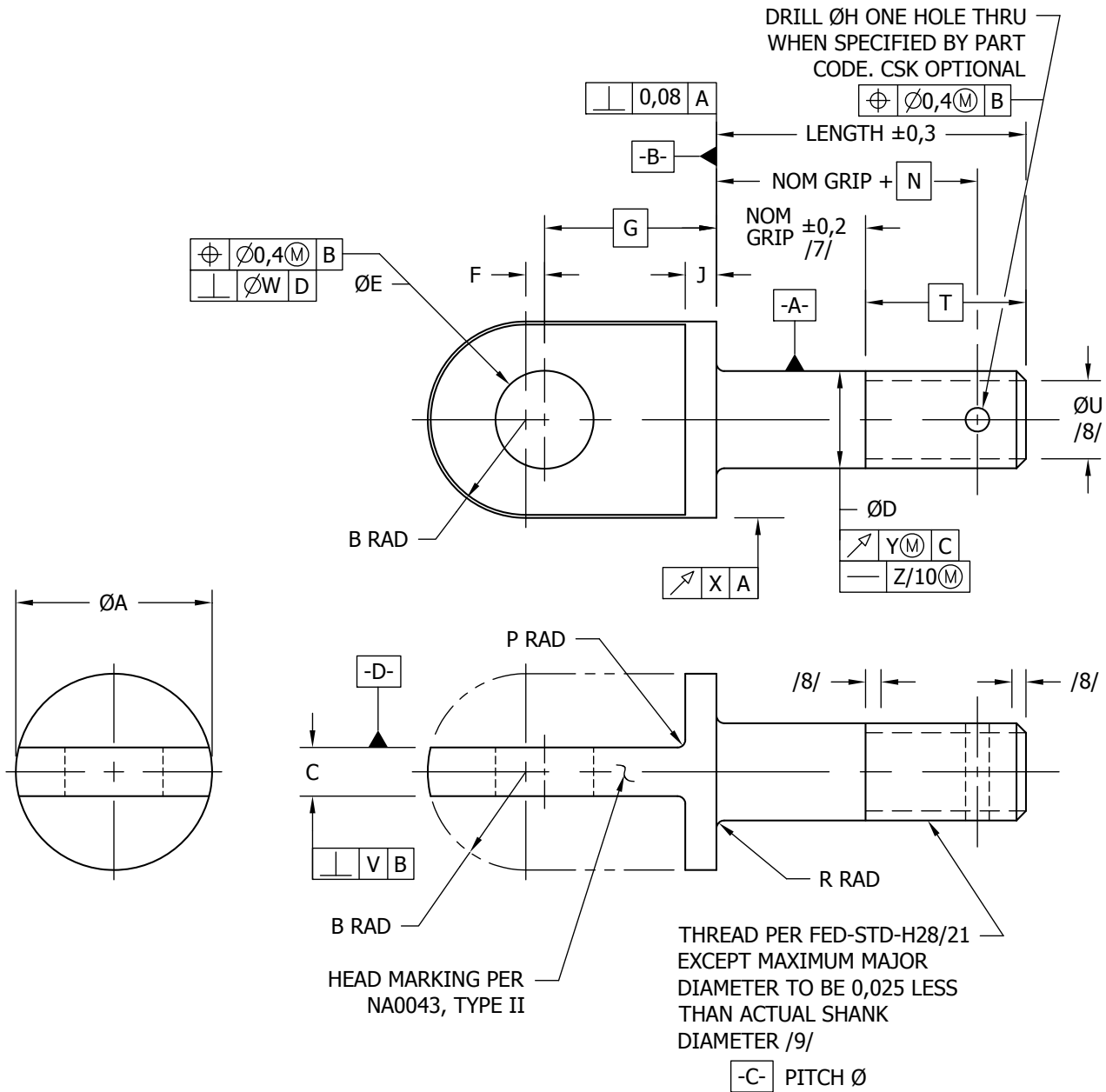
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AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
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THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE SAME
PRODUCT AND SHALL BECOME EFFECTIVE NO LATER THAN SIX MONTHS FROM THE LAST
REVISION DATE.

REVISION DATE: AUGUST 26, 2011

ISSUE DATE: DECEMBER 1981



② COMPLETELY REVISED

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 2
PROCUREMENT SPECIFICATION NOTED	TITLE BOLT, EYE, ALLOY STEEL, 1100 MPa, METRIC ②	CLASSIFICATION PART STANDARD NA0152 SHEET 1 OF 5

TABLE I – DIMENSIONS

DIA CODE	THREAD 4h6h	Ø A	B RAD	C	Ø D	Ø E	F	G BASIC	Ø H	J	N BASIC	P RAD	R RAD	T BASIC	Ø U	RATED TENSILE STRENGTH N
050	MJ5 × 0,8	10,0	5,0	2,6 2,4	4,990 4,965	5,05 5,00	1,0	10,0	1,64 1,50	2,0	6,0	0,5 0,3	0,5 0,3	9,0	4,0 3,5	9 016
060	MJ6 × 1	12,0	6,0	3,1 2,9	5,990 5,965	6,08 6,00	1,0	12,0	1,64 1,50	2,5	7,0	0,6 0,3	0,7 0,5	10,0	4,7 4,2	12 982
080	MJ8 × 1	16,0	8,0	4,1 3,9	7,987 7,962	8,08 8,00	1,5	14,0	2,04 1,90	2,5	7,5	0,8 0,4	0,7 0,5	11,5	6,7 6,2	23 083
100	MJ10 × 1,25	20,0	10,0	5,1 4,9	9,987 9,962	10,08 10,00	1,5	17,0	2,54 2,40	3,0	9,0	1,0 0,5	0,8 0,6	14,5	8,4 7,9	36 064
120	MJ12 × 1,25	24,0	12,0	6,1 5,9	11,984 11,959	12,08 12,00	2,0	20,0	2,54 2,40	3,0	10,0	1,2 0,6	0,9 0,6	16,0	10,4 9,9	51 934
140	MJ14 × 1,5	28,0	14,0	7,1 6,9	13,984 13,959	14,08 14,00	2,0	23,0	3,14 3,00	3,5	12,0	1,4 0,7	1,1 0,8	19,0	12,0 11,5	70 685
160	MJ16 × 1,5	32,0	16,0	8,1 7,9	15,984 15,959	16,08 16,00	2,5	26,0	3,14 3,00	4,0	13,0	1,6 0,8	1,1 0,8	20,5	14,0 13,5	92 324

TABLE I – DIMENSIONS (CONTINUED)

DIA CODE	V FIM	W FIM	X FIM	Y FIM	Z FIM
050	0,14	0,020	0,13	0,12	0,020
060	0,17	0,025	0,15	0,12	0,020
080	0,21	0,035	0,20	0,15	0,020
100	0,25	0,040	0,25	0,15	0,015
120	0,30	0,050	0,30	0,18	0,015
140	0,34	0,060	0,35	0,18	0,015
160	0,39	0,070	0,40	0,18	0,015

MATERIAL:

ALLOY STEEL IN ACCORDANCE WITH THE PROCUREMENT SPECIFICATION.

HEAT TREATMENT:

DEVELOP BASIC MATERIAL PROPERTIES AS FOLLOWS, WITH CONTROLS PER AMS2759:
1100 MPa MINIMUM ULTIMATE TENSILE (36-40 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 PER TABLE I.
SECOND THREE NUMBERS DESIGNATE NOMINAL GRIP LENGTH PER TABLE II.
CODE LETTER "D" FOLLOWING BASIC PART NUMBER INDICATES DRILLED THREAD.

EXAMPLE OF PART NUMBER:

NA0152-080016 = BOLT, EYE; MJ8 x 1 THREAD; 8 mm SHANK DIAMETER;
8 mm EYE DIAMETER; 16 mm GRIP.
NA0152D080016 = BOLT, EYE; MJ8 x 1 THREAD; 8 mm SHANK DIAMETER;
8 mm EYE DIAMETER; 16 mm GRIP; DRILLED THREAD.

② COMPLETELY REVISED

REVISION

2

NA0152
SHEET 2



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