

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
1000 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 09-01

FED. SUPPLY CLASS

5306

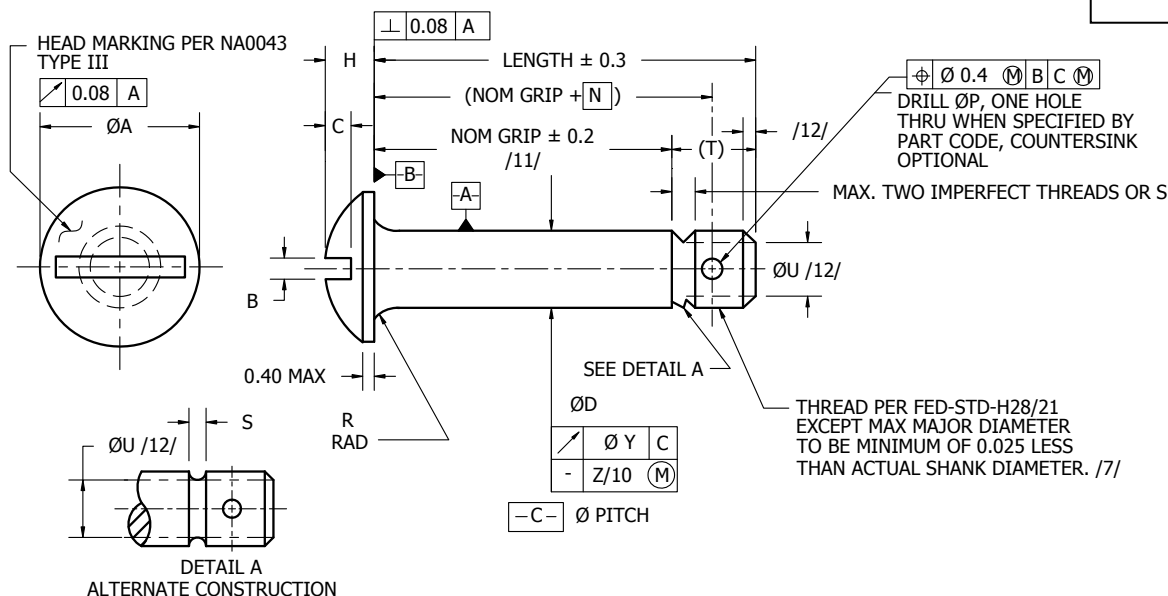
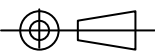


TABLE I – DIMENSIONS

FIRST DASH NO.	THREAD 4h6h	ØA ±0.2	B ±0.2	C ±0.2	ØD	H ±0.2	N BASIC	ØP	R RAD	S MAX	(T)	ØU	Y FIM	Z FIM
040	MJ4 x 0.7	6.7	1.2	1.6	3.990 3.965	2.4	5.0	1.24 1.10	0.4 0.2	0.794	7.5	3.1 2.6	0.12	0.02
050	MJ5 x 0.8	8.3	1.2	1.6	4.990 4.965	2.4	6.0	1.64 1.50	0.5 0.3	1.191	9.0	4.0 3.5	0.12	0.02
060	MJ6 x 1	10.0	1.6	2.4	5.990 5.965	3.2	7.0	1.64 1.50	0.7 0.5	1.191	10.0	4.7 4.2	0.12	0.02
080	MJ8 x 1	13.4	2.0	2.8	7.987 7.962	4.0	7.5	2.04 1.90	0.7 0.5	1.587	11.5	6.7 6.2	0.15	0.02
100	MJ10 x 1.25	16.7	2.4	3.6	9.987 9.962	4.8	9.5	2.54 2.40	0.8 0.6	1.587	14.5	8.4 7.9	0.15	0.015
120	MJ12 x 1.25	20.0	2.4	4.0	11.984 11.959	5.6	10.0	2.54 2.40	0.9 0.6	1.587	16.0	10.4 9.9	0.18	0.015
140	MJ14 x 1.5	23.4	2.8	4.8	13.984 13.959	7.1	12.0	3.14 3.00	1.1 0.8	1.587	19.0	12.1 11.6	0.18	0.015
160	MJ16 x 1.5	26.7	3.2	4.8	15.984 15.959	7.9	13.0	3.14 3.00	1.1 0.8	1.984	20.5	14.1 13.6	0.18	0.015
180	MJ18 x 1.5	30.1	3.6	5.2	17.984 17.959	9.5	14.0	3.70 3.62	1.3 1.0	1.984	22.5	16.1 15.6	0.18	0.015
200	MJ20 x 1.5	33.4	3.6	5.2	19.980 19.955	9.5	15.0	3.70 3.62	1.3 1.0	2.381	24.5	18.1 17.6	0.21	0.015
220	MJ22 x 1.5	36.7	4.0	5.6	21.980 21.955	11.1	15.5	3.70 3.62	1.5 1.2	2.381	26.0	20.1 19.6	0.21	0.015
240	MJ24 x 2	40.1	4.4	6.0	23.980 23.955	12.7	18.0	3.70 3.62	1.5 1.2	2.381	29.5	21.5 21.0	0.21	0.015

② COMPLETELY REVISED

THIRD
ANGLE
PROJECTION



CUSTODIAN
NATIONAL AEROSPACE STANDARDS COMMITTEE

PROCUREMENT SPECIFICATION

TITLE

BOLT, CLEVIS, 660 MPa SHEAR, METRIC

REVISION

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CLASSIFICATION
PART STANDARD

DA0155
SHEET 1 OF 4

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Full document details: AIA NA0155 2012

ISSUE DATE: MAY 1982 REVISION DATE: SEPTEMBER 28, 2012

MATERIAL:

ALLOY STEEL PER PROCUREMENT SPECIFICATION.

HEAT TREATMENT:

660 MPa ULTIMATE SHEAR STRENGTH
1100 MPa MINIMUM ULTIMATE TENSILE STRENGTH

FINISH:

CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2 (8-14 μ m 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.

EXAMPLE OF PART NUMBER:

NA0155-080016 = BOLT; MJ8 x 1 THREAD; 16 mm GRIP
NA0155D080016 = BOLT; MJ8 x 1 THREAD; 16 mm GRIP; DRILLED THREAD

NOTES:

- (1) SURFACE ROUGHNESS: BEARING SURFACE OF HEAD TO SHANK FILLET RADIUS, SHANK, AND ALL THREAD ELEMENTS: 0.8 μ m Ra; ALL OTHER SURFACES: 3.2 μ m Ra PER ASME B46.1.
- (2) REMOVE ALL BURRS AND SHARP EDGES.
- (3) DIMENSIONS IN MILLIMETERS AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (4) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
- /5/ TENSILE STRESS AREA IS THE AREA AT THE BASIC PITCH DIAMETER.
- /6/ MINIMUM TENSILE FORCE IS CALCULATED AS 1/2 OF THE U.T.S. PER PROCUREMENT SPECIFICATION.
- /7/ ACCEPTABILITY OF SCREW THREADS SHALL BE IN ACCORDANCE WITH FED-STD-H28/20 SYSTEM 22.
- (8) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (9) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.

REVISION

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② COMPLETELY REVISED



Documents
SHEET 2

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