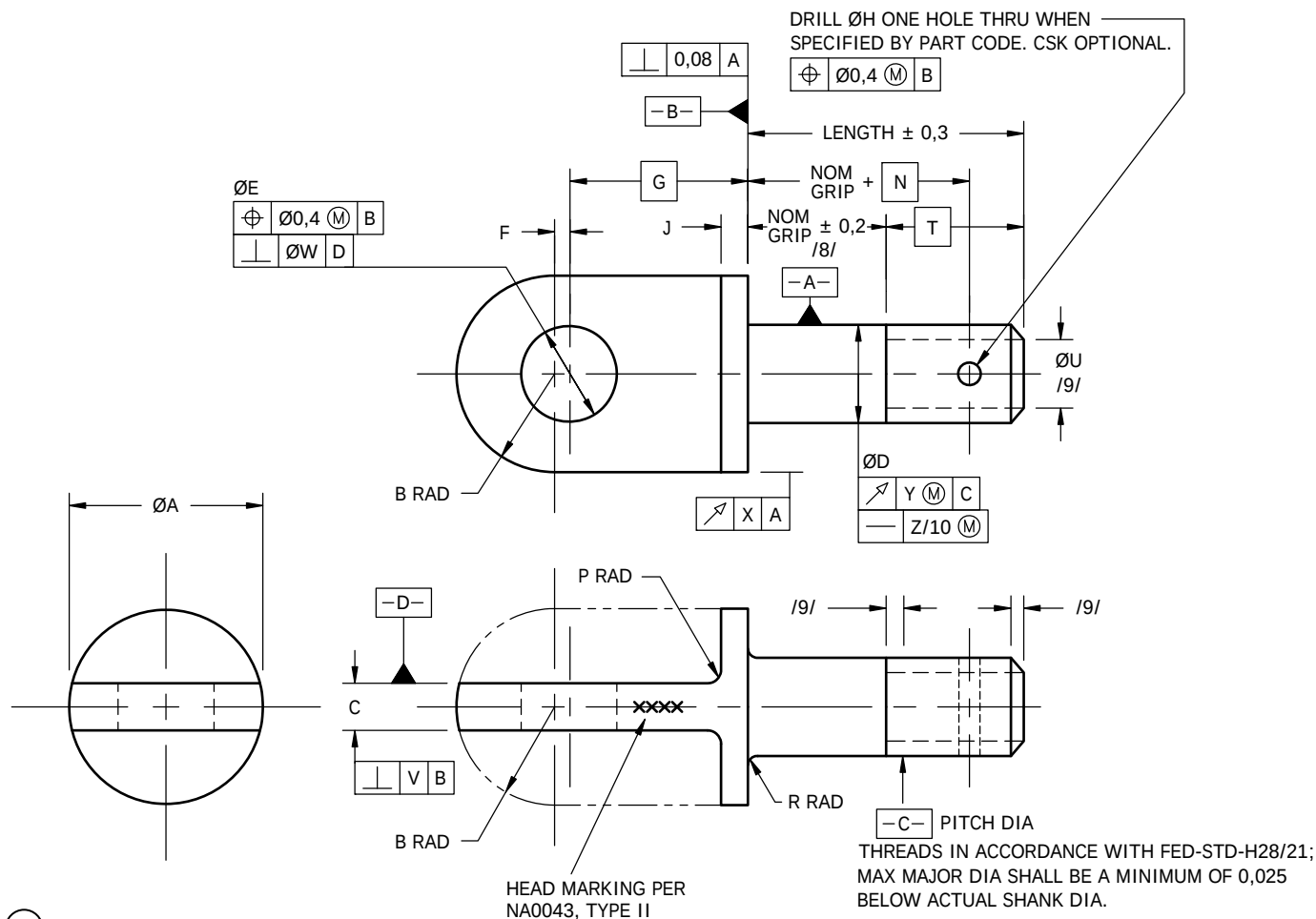


AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
1000 WILSON BLVD.
ARLINGTON, VA 22209

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



② COMPLETELY REVISED

TABLE I – DIMENSIONS

DIA CODE	THREAD	ØA	B RAD	C	ØD	ØE	F	G BASIC	ØH	J	N BASIC	P RAD	R RAD	T BASIC	ØU
050	MJ5 x 0,8 - 4h6h	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
060	MJ6 x 1 - 4h6h	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
080	MJ8 x 1 - 4h6h	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
100	MJ10 x 1,25 - 4h6h	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
120	MJ12 x 1,25 - 4h6h	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
140	MJ14 x 1,5 - 4h6h	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
160	MJ16 x 1,5 - 4h6h	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

REVISION DATE: DECEMBER 21, 2012

ISSUE DATE: DECEMBER 1981

THIRD ANGLE PROJECTION		CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 2
PROCUREMENT SPECIFICATION NOTED	TITLE BOLT, EYE, A286 CRES, 1100 MPa, METRIC	(2)	CLASSIFICATION PART STANDARD NA0153 SHEET 1 OF 4

TABLE I – DIMENSIONS (CONTINUED)

DIA CODE	RATED TENSILE FORCE (N)	V FIM	ØW FIM	X FIM	Y FIM	Z FIM
050	9 016	0,14	0,020	0,13	0,12	0,02
060	12 982	0,17	0,025	0,15	0,12	0,02
080	23 083	0,21	0,035	0,20	0,15	0,02
100	36 064	0,25	0,040	0,25	0,15	0,015
120	51 934	0,30	0,050	0,30	0,18	0,015
140	70 685	0,34	0,060	0,35	0,18	0,015
160	92 324	0,39	0,070	0,40	0,18	0,015

MATERIAL:

~~A286 CRES IN ACCORDANCE WITH THE PROCUREMENT SPECIFICATION.~~

CRES – A286 (UNS S66286) CONFORMING TO THE CHEMISTRY OF AMS5731, AMS5732, AMS5737 OR AMS5853.

HEAT TREATMENT:

DEVELOP BASIC MATERIAL PROPERTIES AS FOLLOWS, WITH CONTROLS PER AMS2759:
1100 MPa MINIMUM TENSILE.

FINISH:

PASSIVATE PER AMS2700, METHOD 1, CLASS 4.

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.

EXAMPLES OF PART NUMBER:

NA0153-080016 = EYEBOLT; MJ8 x 1 THREAD; 8 mm SHANK DIAMETER; 8 mm EYE DIAMETER; 16 mm GRIP

NA0153D080016 = EYEBOLT; MJ8 x 1 THREAD; 8 mm SHANK DIAMETER; 8 mm EYE DIAMETER; 16 mm GRIP; DRILLED THREAD

NOTES:

- (1) SURFACE TEXTURE: BEARING SURFACE OF HEAD TO SHANK FILLET RADIUS, ID OF EYE DIAMETER, 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.
- (3) DIMENSIONS IN MILLIMETERS AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.

REVISION
2
NA0153
SHEET 2

② COMPLETELY REVISED



Documents
SHEET 2

Document Sharing Hub