

FED. SUPPLY CLASS

5306

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.

REVISION DATE: AUGUST 26, 2011

ISSUE DATE: NOVEMBER 1989

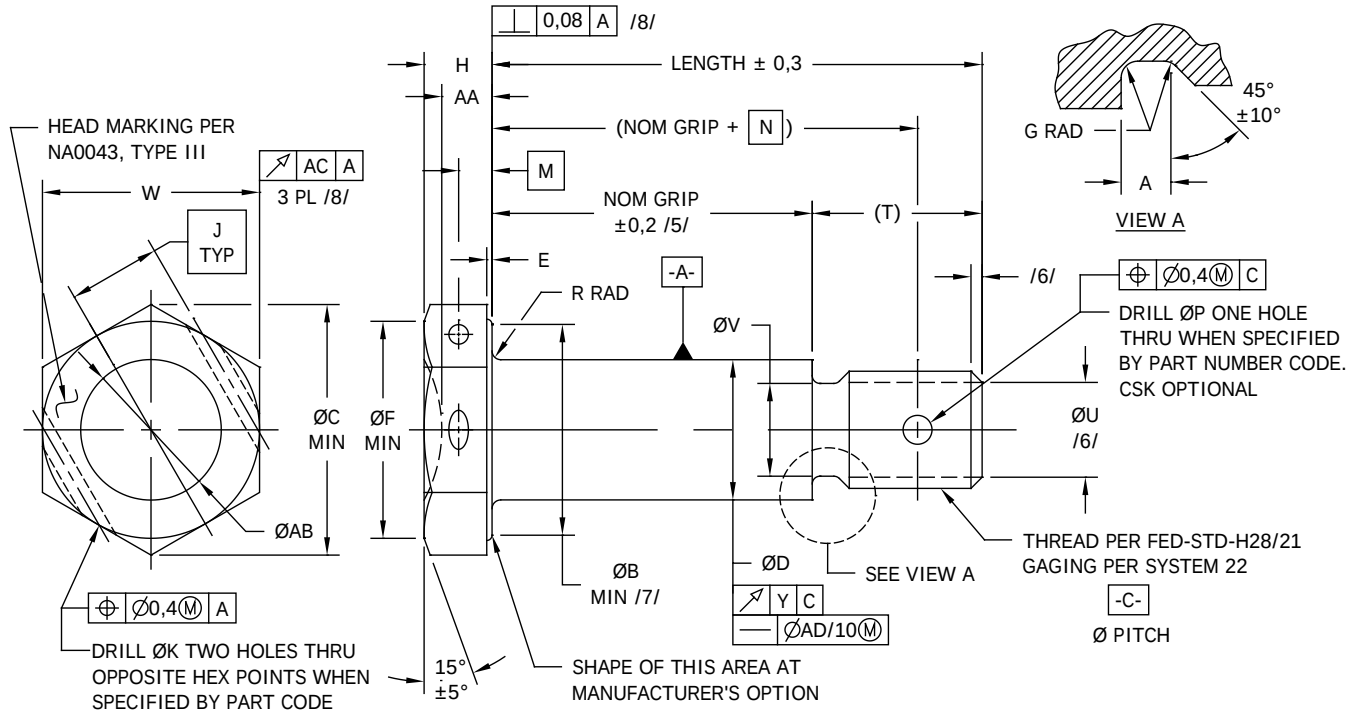


TABLE I - DIMENSIONS

DIA CODE	THREAD 4h6h	A	ØB MIN	C MIN	ØD	E	ØF MIN	G RAD	H	J BASIC	ØK	M BASIC	N BASIC	ØP	R RAD	(T)	ØU
030	MJ3×0,5	1,05 0,80	7,4	8,7	4,990 4,978	0,5 0,2	7,4	0,6 0,2	3,0 2,7	3,25	1,14 1,00	1,35	----	---	0,5 0,3	6,0	2,3 1,8
040	MJ4×0,7	1,35 1,10	9,3	10,9	5,990 5,978	0,5 0,2	9,4	0,6 0,2	3,5 3,2	4,10	1,54 1,40	1,60	5,0	1,24 1,10	0,7 0,5	7,5	3,0 2,5
060	MJ6×1	1,85 1,60	12,2	14,3	7,987 7,972	0,5 0,2	12,3	0,8 0,4	4,5 4,2	5,35	1,54 1,40	2,10	7,0	1,64 1,50	0,7 0,5	10,0	4,7 4,2
080	MJ8×1	1,85 1,60	16,0	18,9	9,987 9,972	0,6 0,3	16,3	0,8 0,4	5,0 4,7	7,10	1,74 1,60	2,35	7,5	2,04 1,90	0,8 0,6	11,5	6,7 6,2
100	MJ10×1,25	2,25 2,00	18,0	21,1	11,984 11,966	0,6 0,3	18,3	1,5 1,1	6,0 5,7	7,90	1,74 1,60	2,85	9,0	2,54 2,40	0,9 0,6	14,5	8,4 7,9
120	MJ12×1,25	2,25 2,00	21,0	24,5	13,984 13,966	0,6 0,3	21,3	1,5 1,1	7,0 6,7	9,20	1,74 1,60	3,35	10,0	2,54 2,40	1,1 0,8	16,0	10,4 9,9
140	MJ14×1,5	2,65 2,40	23,0	26,8	15,984 15,966	0,6 0,3	23,3	1,5 1,1	8,0 7,7	10,05	1,74 1,60	3,85	12,0	3,14 3,00	1,1 0,8	19,0	12,0 11,5
160	MJ16×1,5	2,65 2,40	26,0	30,2	17,984 17,966	0,6 0,3	26,3	1,5 1,1	9,0 8,7	11,30	1,74 1,60	4,35	13,0	3,14 3,00	1,3 1,0	20,5	14,0 13,5
180	MJ18×1,5	2,65 2,40	29,0	33,6	19,980 19,959	0,6 0,3	29,3	1,5 1,1	10,0 9,7	12,60	1,74 1,60	4,85	14,0	3,98 3,80	1,3 1,0	22,5	16,0 15,5

① COMPLETELY REVISED

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 1
PROCUREMENT SPECIFICATION NOTED	TITLE BOLT, SHOULDER, HEXAGON HEAD ALLOY STEEL, 1100 MPa TENSILE, METRIC	CLASSIFICATION PART STANDARD NA0253

USE OF OR RELIANCE UPON THIS DOCUMENT OR ANY NATIONAL AEROSPACE STANDARD IS ENTIRELY VOLUNTARY. AIA DOES NOT QUALIFY SUPPLIERS OR CERTIFY

Copyright Aerospace Industries Association of America Inc. MS PRODUCED UNDER NATIONAL AEROSPACE STANDARD: AIA MAKES NO REPRESENTATION OR CLAIM RESPECTING (1) THE SUITABILITY OF Provided by IHS under license with AIA/NAS. ANY PARTICULAR APPLICATION OR (2) THE EXISTENCE OF OR APPLIC Licensee= www.sepana.ir/5991803002, User=sam, albert No reproduction or networking permitted without license from IHS. Not for Resale, 01/04/2016 22:34:00 MST

Full document details: AIA NA0253 2011



Documents
SHEET 1 OF 5

Document Sharing Hub

TABLE I – DIMENSIONS (CONTINUED)

DIA CODE	ØV	W	Y FIM	AA	ØAB	AC FIM	AD FIM	TENSILE FORCE N MIN
030	2,20 2,08	8,00 7,85	0,12	2,0 1,7	5,25 4,75	0,13	0,020	3 730
040	3,00 2,88	10,00 9,78	0,12	2,3 2,0	6,25 5,75	0,15	0,020	7 160
060	4,50 4,38	13,00 12,73	0,15	3,0 2,7	8,25 7,75	0,20	0,020	16 500
080	6,50 6,35	17,00 16,73	0,15	3,4 3,1	10,25 9,75	0,25	0,015	34 800
100	8,10 7,95	19,00 18,67	0,18	4,0 3,7	12,25 11,75	0,30	0,015	54 600
120	10,10 9,92	22,00 21,67	0,18	4,7 4,4	14,25 13,75	0,35	0,015	85 000
140	11,80 11,62	24,00 23,67	0,18	5,4 5,1	16,25 15,75	0,40	0,015	116 600
160	13,80 13,62	27,00 26,67	0,18	6,0 5,7	18,25 17,75	0,45	0,015	160 000
180	15,80 15,62	30,00 29,67	0,21	6,7 6,4	20,25 19,75	0,50	0,015	210 700

MATERIAL:

ALLOY STEEL PER PROCUREMENT SPECIFICATION.

HEAT TREATMENT:

1100 MPa MINIMUM ULTIMATE TENSILE STRESS.

FINISH:

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

CODE:

FIRST THREE NUMBERS (DIA CODE) INDICATE NOMINAL THREAD SIZE PER TABLE I.
SECOND THREE NUMBERS (NOM GRIP CODE) INDICATE NOMINAL GRIP LENGTH PER TABLE II.
"D" FOLLOWING BASIC PART NUMBER INDICATES DRILLED THREADS.
"H" FOLLOWING BASIC PART NUMBER INDICATES DRILLED HEAD.
"DH" FOLLOWING BASIC PART NUMBER INDICATES DRILLED HEAD AND THREADS.

EXAMPLE OF PART NUMBER:

NA0253-060016 = BOLT, SHOULDER, MJ6×1 THREAD, 8mm DIAMETER SHANK, 16mm GRIP.
NA0253H080020 = BOLT, SHOULDER, MJ8×1 THREAD, 10mm DIAMETER SHANK, 20mm GRIP, DRILLED HEAD.
NA0253DH120032 = BOLT, SHOULDER, MJ12×1,25 THREAD, 14mm DIAMETER SHANK, 32mm GRIP, DRILLED HEAD AND THREADS.

① COMPLETELY REVISED

REVISION

1

NA0253
SHEET 2



Document Sharing Hub

USE OF OR RELIANCE UPON THIS DOCUMENT OR ANY NATIONAL AEROSPACE STANDARD IS ENTIRELY VOLUNTARY. AIA DOES NOT QUALIFY SUPPLIERS OR CERTIFY

Copyright Aerospace Industries Association of America Inc. MS PRODUCED UNDER NATIONAL AEROSPACE STANDARD: AIA MAKES NO REPRESENTATION OR CLAIM RESPECTING (1) THE SUITABILITY OF
Provided by IHS under license with AIA/NAS. ANY PARTICULAR APPLICATION OR (2) THE EXISTENCE OF OR APPLIC Licensee= www.sepana.ir/5991803002, User=sam, albert
No reproduction or networking permitted without license from IHS Not for Resale, 01/04/2016 22:34:00 MST

Full document details: AIA NA0253 2011