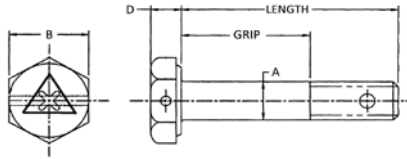


## AIRFRAME BOLTS

### AN173 - 176

#### HEX HEAD, CLOSE TOLERANCE

MATERIAL - ALLOY STEEL PER NASM6812  
 FINISH - CAD PLATE PER QQ-P-416, TYPE II, CLASS 2  
 HEAT TREAT - 125,000 - 145,000 PSI, HRC 26-32



<b>AN173</b>		A = .1892 B = .371 D = .125		
THREAD		10-32 UNF-3A		
TENSILE:		2210 LBS. MIN		
SHEAR:		2125 LBS. MIN		
G GRIP	L LGTH	UN DRILLED	SHANK DRILLED	HEAD DRILLED
		DASH#	0.070 DASH#	0.046 DASH#
0.0625	0.4688	3A	3	H3A
0.1250	0.5313	4A	4	H4A
0.2500	0.6563	5A	5	H5A
0.3750	0.7813	6A	6	H6A
0.5000	0.9063	7A	7	H7A
0.6250	1.0313	10A	10	H10A
0.7500	1.1563	11A	11	H11A
0.8750	1.2813	12A	12	H12A
1.0000	1.4063	13A	13	H13A
1.1250	1.5313	14A	14	H14A
1.2500	1.6563	15A	15	H15A
1.3750	1.7813	16A	16	H16A
1.5000	1.9063	17A	17	H17A
1.6250	2.0313	20A	20	H20A
1.7500	2.1563	21A	21	H21A
1.8750	2.2813	22A	22	H22A
2.0000	2.4063	23A	23	H23A
2.1250	2.5313	24A	24	H24A

<b>AN174</b>		A = .249 B = .433 D = .156		
THREAD		1/4-28 UNF-3A		
TENSILE:		4080 LBS. MIN		
SHEAR:		3680 LBS. MIN		
G GRIP	L LGTH	UN DRILLED	SHANK DRILLED	HEAD DRILLED
		DASH#	0.076 DASH#	0.046 DASH#
0.0625	0.4688	3A	3	H3A
0.0625	0.5313	4A	4	H4A
0.1875	0.6563	5A	5	H5A
0.3125	0.7813	6A	6	H6A
0.4375	0.9063	7A	7	H7A
0.5625	1.0313	10A	10	H10A
0.6875	1.1563	11A	11	H11A
0.8125	1.2813	12A	12	H12A
0.9375	1.4063	13A	13	H13A
1.0625	1.5313	14A	14	H14A
1.1875	1.6563	15A	15	H15A
1.3125	1.7813	16A	16	H16A
1.4375	1.9063	17A	17	H17A
1.5625	2.0313	20A	20	H20A
1.6875	2.1563	21A	21	H21A
1.8125	2.2813	22A	22	H22A
1.9375	2.4063	23A	23	H23A
2.0625	2.5313	24A	24	H24A

<b>AN175</b>		A = .3115 B = .496 D = .188		
THREAD		5/16-24 UNF-3A		
TENSILE:		6500 LBS. MIN		
SHEAR:		5750 LBS. MIN		
G GRIP	L LGTH	UN DRILLED	SHANK DRILLED	HEAD DRILLED
		DASH#	0.076 DASH#	0.070 DASH#
0.1875	0.7188	5A	5	H5A
0.3125	0.8438	6A	6	H6A
0.4375	0.9688	7A	7	H7A
0.5625	1.0938	10A	10	H10A
0.6875	1.2188	11A	11	H11A
0.8125	1.3438	12A	12	H12A
0.9375	1.4688	13A	13	H13A
1.0625	1.5938	14A	14	H14A
1.1875	1.7188	15A	15	H15A
1.3125	1.8438	16A	16	H16A
1.4375	1.9688	17A	17	H17A
1.5625	2.0938	20A	20	H20A
1.6875	2.2188	32A	32	H32A
1.8125	2.3438	33A	33	H33A

<b>AN176</b>		A = .374 B = .559 D = .219		
THREAD		3/8-16 UNF-3A		
TENSILE:		10100 LBS. MIN		
SHEAR:		8280 LBS. MIN		
G GRIP	L LGTH	UN DRILLED	SHANK DRILLED	HEAD DRILLED
		DASH#	0.106 DASH#	0.070 DASH#
0.0625	0.7031	5A	5	H5A
0.1875	0.8281	6A	6	H6A
0.3125	0.9531	7A	7	H7A
0.4375	1.0781	10A	10	H10A
0.5625	1.2031	11A	11	H11A
0.6875	1.3281	12A	12	H12A
0.8125	1.4531	13A	13	H13A
0.9375	1.5781	14A	14	H14A
1.0625	1.7031	15A	15	H15A
1.1875	1.8281	16A	16	H16A
1.3125	1.9531	17A	17	H17A
1.4375	2.0781	20A	20	H20A
1.5625	2.2031	21A	21	H21A