



When Government drawings, specifications, or other data are used for any purpose other than in connection with a definite procurement operation, the United States Government thereby incurs no responsibility, nor any obligation whatsoever, and the fact that the Government may have furnished, furnished, or in any way supplied the said drawings, specifications, or other data is not to be regarded by implication or otherwise as in any manner assuming the holder or other person or corporation, or conveying any rights or permission in manufacture, use, or sale of patented invention that may in any way be related thereto.

This drawing was approved by joint action of the Air Force and Navy Departments as the standard drawing for the procurement of aeronautical supplies, or for use in new design, not later than 6 months after the latest date of approval shown. It may be put into effect, however, at an earlier date after promulgation.

Approved 29 Mar 49

DASH NO.	AN173		AN174		AN175		AN176		AN177		AN178		AN179	
	GRIP ±1/64	LENGTH +1/32 -1/64	GRIP ±1/64	LENGTH +1/32 -1/64	GRIP ±1/64	LENGTH +1/32 -1/64	GRIP ±1/64	LENGTH +1/32 -1/64	GRIP ±1/64	LENGTH +1/32 -1/64	GRIP ±1/64	LENGTH +1/32 -1/64	GRIP ±1/64	LENGTH +1/32 -1/64
3	1-1/16	15-3/32	1-1/16	15-3/32										
4	1-1/8	17-1/32	1-1/16	17-1/32	1-1/16	19-1/32								
5	1-1/4	21-1/32	3-1/16	21-1/32	3-1/16	23-1/32	1-1/16	45-5/64	1-1/16	23-1/32				
6	2-1/8	25-1/32	5-1/16	25-1/32	5-1/16	27-1/32	3-1/16	53-3/64	3-1/16	27-1/32	1-1/16	27-1/32	1-1/16	31-1/32
7	1-1/2	29-1/32	7-1/16	29-1/32	7-1/16	31-1/32	5-1/16	61-1/64	5-1/16	31-1/32	3-1/16	31-1/32	1-1/8	1-1-1/32
10	3-1/8	1-1-1/32	9-1/16	1-1-1/32	9-1/16	1-3-1/32	7-1/16	1-5-5/64	7-1/16	1-3-1/32	5-1/16	1-3-1/32	1-1/4	1-5-1/32
11	3/4	1-5-1/32	11-1/16	1-5-1/32	11-1/16	1-7-1/32	9-1/16	1-13-5/64	9-1/16	1-7-1/32	7-1/16	1-7-1/32	3-1/8	1-9-1/32
12	7/8	1-9-1/32	13-1/16	1-9-1/32	13-1/16	1-11-1/32	11-1/16	1-21-1/64	11-1/16	1-11-1/32	9-1/16	1-11-1/32	1-1/2	1-13-1/32
13	1	1-13-1/32	15-1/16	1-13-1/32	15-1/16	1-15-1/32	13-1/16	1-29-1/64	13-1/16	1-15-1/32	11-1/16	1-15-1/32	5-1/8	1-17-1/32
14	1-1/8	1-17-1/32	1-1-1/16	1-17-1/32	1-1-1/16	1-19-1/32	15-1/16	1-37-1/64	15-1/16	1-19-1/32	13-1/16	1-19-1/32	3-1/4	1-21-1/32
15	1-1/4	1-21-1/32	1-3-1/16	1-21-1/32	1-3-1/16	1-23-1/32	1-1-1/16	1-45-5/64	1-1-1/16	1-23-1/32	15-1/16	1-23-1/32	7-1/8	1-25-1/32
16	1-3/8	1-25-1/32	1-5-1/16	1-25-1/32	1-5-1/16	1-27-1/32	1-3-1/16	1-53-3/64	1-3-1/16	1-27-1/32	1-1-1/16	1-27-1/32	1	1-29-1/32
17	1-1/2	1-29-1/32	1-7-1/16	1-29-1/32	1-7-1/16	1-31-1/32	1-5-1/16	1-61-1/64	1-5-1/16	1-31-1/32	1-3-1/16	1-31-1/32	1-1/2	2-1-1/32
20	1-5/8	2-1-1/32	1-9-1/16	2-1-1/32	1-9-1/16	2-3-1/32	1-7-1/16	2-5-1/64	1-7-1/16	2-3-1/32	1-5-1/16	2-3-1/32	2-1/4	2-5-1/32
21	1-3/4	2-5-1/32	1-11-1/16	2-5-1/32	1-11-1/16	2-7-1/32	1-9-1/16	2-13-1/64	1-9-1/16	2-7-1/32	1-7-1/16	2-7-1/32	1-3/4	2-9-1/32
22	1-7/8	2-9-1/32	1-13-1/16	2-9-1/32	1-13-1/16	2-11-1/32	1-11-1/16	2-21-1/64	1-11-1/16	2-11-1/32	1-9-1/16	2-11-1/32	1-1-1/2	2-13-1/32
23	2	2-13-1/32	1-15-1/16	2-13-1/32	1-15-1/16	2-15-1/32	1-13-1/16	2-29-1/64	1-13-1/16	2-15-1/32	1-11-1/16	2-15-1/32	1-5-1/8	2-17-1/32
24	2-1/8	2-17-1/32	2-1-1/16	2-17-1/32	2-1-1/16	2-19-1/32	1-15-1/16	2-37-1/64	1-15-1/16	2-19-1/32	1-13-1/16	2-19-1/32	1-3/4	2-21-1/32
25	2-1/4	2-21-1/32	2-3-1/16	2-21-1/32	2-3-1/16	2-23-1/32	2-1-1/16	2-45-5/64	2-1-1/16	2-23-1/32	1-15-1/16	2-23-1/32	1-7-1/8	2-25-1/32
26	2-3/8	2-25-1/32	2-5-1/16	2-25-1/32	2-5-1/16	2-27-1/32	2-3-1/16	2-53-3/64	2-3-1/16	2-27-1/32	2-1-1/16	2-27-1/32	2	2-29-1/32
27	2-1/2	2-29-1/32	2-7-1/16	2-29-1/32	2-7-1/16	2-31-1/32	2-5-1/16	2-61-1/64	2-5-1/16	2-31-1/32	2-3-1/16	2-31-1/32	2-1-1/4	3-1-1/32
30	2-5/8	3-1-1/32	2-9-1/16	3-1-1/32	2-9-1/16	3-3-1/32	2-7-1/16	3-5-1/64	2-7-1/16	3-3-1/32	2-5-1/16	3-3-1/32	2-1/4	3-5-1/32
31	2-3/4	3-5-1/32	2-11-1/16	3-5-1/32	2-11-1/16	3-7-1/32	2-9-1/16	3-13-1/64	2-9-1/16	3-7-1/32	2-7-1/16	3-7-1/32	2-3/4	3-9-1/32
32	2-7/8	3-9-1/32	2-13-1/16	3-9-1/32	2-13-1/16	3-11-1/32	2-11-1/16	3-21-1/64	2-11-1/16	3-11-1/32	2-9-1/16	3-11-1/32	2-1-1/2	3-13-1/32
33	3	3-13-1/32	2-15-1/16	3-13-1/32	2-15-1/16	3-15-1/32	2-13-1/16	3-29-1/64	2-13-1/16	3-15-1/32	2-11-1/16	3-15-1/32	2-5-1/8	3-17-1/32
34	3-1/4	3-17-1/32	3-1-1/16	3-17-1/32	3-1-1/16	3-19-1/32	2-15-1/16	3-37-1/64	2-15-1/16	3-19-1/32	2-13-1/16	3-19-1/32	2-3-1/4	3-21-1/32
35	3-1/2	3-21-1/32	3-3-1/16	3-21-1/32	3-3-1/16	3-23-1/32	3-1-1/16	3-45-5/64	3-1-1/16	3-23-1/32	2-15-1/16	3-23-1/32	2-7-1/8	3-25-1/32
36	3-3/4	3-25-1/32	3-5-1/16	3-25-1/32	3-5-1/16	3-27-1/32	3-3-1/16	3-53-3/64	3-3-1/16	3-27-1/32	3-1-1/16	3-27-1/32	3	3-29-1/32
37	3-1/2	3-29-1/32	3-7-1/16	3-29-1/32	3-7-1/16	3-31-1/32	3-5-1/16	3-61-1/64	3-5-1/16	3-31-1/32	3-3-1/16	3-31-1/32	3-1-1/8	4-1-1/32
40	3-5/8	4-1-1/32	3-9-1/16	4-1-1/32	3-9-1/16	4-3-1/32	3-7-1/16	4-5-1/64	3-7-1/16	4-3-1/32	3-5-1/16	4-3-1/32	3-1/4	4-5-1/32
41	3-3/4	4-5-1/32	3-11-1/16	4-5-1/32	3-11-1/16	4-7-1/32	3-9-1/16	4-13-1/64	3-9-1/16	4-7-1/32	3-7-1/16	4-7-1/32	3-3/8	4-9-1/32
42	3-7/8	4-9-1/32	3-13-1/16	4-9-1/32	3-13-1/16	4-11-1/32	3-11-1/16	4-21-1/64	3-11-1/16	4-11-1/32	3-9-1/16	4-11-1/32	3-1-1/2	4-13-1/32
43	4	4-13-1/32	3-15-1/16	4-13-1/32	3-15-1/16	4-15-1/32	3-13-1/16	4-29-1/64	3-13-1/16	4-15-1/32	3-11-1/16	4-15-1/32	3-5-1/8	4-17-1/32
44	4-1/8	4-17-1/32	4-1-1/16	4-17-1/32	4-1-1/16	4-19-1/32	3-15-1/16	4-37-1/64	3-15-1/16	4-19-1/32	3-13-1/16	4-19-1/32	3-3-1/4	4-21-1/32
45	4-1/4	4-21-1/32	4-3-1/16	4-21-1/32	4-3-1/16	4-23-1/32	4-1-1/16	4-45-5/64	4-1-1/16	4-23-1/32	3-15-1/16	4-23-1/32	3-7-1/8	4-25-1/32
46	4-3/8	4-25-1/32	4-5-1/16	4-25-1/32	4-5-1/16	4-27-1/32	4-3-1/16	4-53-3/64	4-3-1/16	4-27-1/32	4-1-1/16	4-27-1/32	4	4-29-1/32
47	4-1/2	4-29-1/32	4-7-1/16	4-29-1/32	4-7-1/16	4-31-1/32	4-5-1/16	4-61-1/64	4-5-1/16	4-31-1/32	4-3-1/16	4-31-1/32	4-1-1/8	5-1-1/32
50	4-5/8	5-1-1/32	4-9-1/16	5-1-1/32	4-9-1/16	5-3-1/32	4-7-1/16	5-5-1/64	4-7-1/16	5-3-1/32	4-5-1/16	5-3-1/32	4-1-1/4	5-5-1/32
51	4-3/4	5-5-1/32	4-11-1/16	5-5-1/32	4-11-1/16	5-7-1/32	4-9-1/16	5-13-1/64	4-9-1/16	5-7-1/32	4-7-1/16	5-7-1/32	4-3-1/8	5-9-1/32
52	4-7/8	5-9-1/32	4-13-1/16	5-9-1/32	4-13-1/16	5-11-1/32	4-11-1/16	5-21-1/64	4-11-1/16	5-11-1/32	4-9-1/16	5-11-1/32	4-1-1/2	5-13-1/32
53	5	5-13-1/32	4-15-1/16	5-13-1/32	4-15-1/16	5-15-1/32	4-13-1/16	5-29-1/64	4-13-1/16	5-15-1/32	4-11-1/16	5-15-1/32	4-5-1/8	5-17-1/32
54	5-1/8	5-17-1/32	5-1-1/16	5-17-1/32	5-1-1/16	5-19-1/32	4-15-1/16	5-37-1/64	4-15-1/16	5-19-1/32	4-13-1/16	5-19-1/32	4-3-1/4	5-21-1/32
55	5-1/4	5-21-1/32	5-3-1/16	5-21-1/32	5-3-1/16	5-23-1/32	5-1-1/16	5-45-5/64	5-1-1/16	5-23-1/32	4-15-1/16	5-23-1/32	4-7-1/8	5-25-1/32
56	5-3/8	5-25-1/32	5-5-1/16	5-25-1/32	5-5-1/16	5-27-1/32	5-3-1/16	5-53-3/64	5-3-1/16	5-27-1/32	5-1-1/16	5-27-1/32	5	5-29-1/32
57	5-1/2	5-29-1/32	5-7-1/16	5-29-1/32	5-7-1/16	5-31-1/32	5-5-1/16	5-61-1/64	5-5-1/16	5-31-1/32	5-3-1/16	5-31-1/32	5-1-1/8	6-1-1/32
60	5-5/8	6-1-1/32	5-9-1/16	6-1-1/32	5-9-1/16	6-3-1/32	5-7-1/16	6-5-1/64	5-7-1/16	6-3-1/32	5-5-1/16	6-3-1/32	5-1-1/4	6-5-1/32
61	5-3/4	6-5-1/32	5-11-1/16	6-5-1/32	5-11-1/16	6-7-1/32	5-9-1/16	6-13-1/64	5-9-1/16	6-7-1/32	5-7-1/16	6-7-1/32	5-3-1/8	6-9-1/32
62	5-7/8	6-9-1/32	5-13-1/16	6-9-1/32	5-13-1/16	6-11-1/32	5-11-1/16	6-21-1/64	5-11-1/16	6-11-1/32	5-9-1/16	6-11-1/32	5-1-1/2	6-13-1/32
63	6	6-13-1/32	5-15-1/16	6-13-1/32	5-15-1/16	6-15-1/32	5-13-1/16	6-29-1/64	5-13-1/16	6-15-1/32	5-11-1/16	6-15-1/32	5-5-1/8	6-17-1/32
64	6-1/8	6-17-1/32	6-1-1/16	6-17-1/32	6-1-1/16	6-19-1/32	5-15-1/16	6-37-1/64	5-15-1/16	6-19-1/32	5-13-1/16	6-19-1/32	5-3-1/4	6-21-1/32
65	6-1/4	6-21-1/32	6-3-1/16	6-21-1/32	6-3-1/16	6-23-1/32	6-1-1/16	6-45-5/64	6-1-1/16	6-23-1/32	5-15-1/16	6-23-1/32	5-7-1/8	6-25-1/32
66	6-3/8	6-25-1/32	6-5-1/16	6-25-1/32	6-5-1/16	6-27-1/32	6-3-1/16	6-53-3/64	6-3-1/16	6-27-1/32	6-1-1/16	6-27-1/32	6	6-29-1/32
67	6-1/2	6-29-1/32	6-7-1/16	6-29-1/32	6-7-1/16	6-31-1/32	6-5-1/16	6-61-1/64	6-5-1/16	6-31-1/32	6-3-1/16	6-31-1/32	6-1-1/8	7-1-1/32
70	6-5/8	7-1-1/32	6-9-1/16	7-1-1/32	6-9-1/16	7-3-1/32	6-7-1/16	7-5-1/64	6-7-1/16	7-3-1/32	6-5-1/16	7-3-1/32	6-1-1/4	7-5-1/32
71	6-3/4	7-5-1/32	6-11-1/16	7-5-1/32	6-11-1/16	7-7-1/32	6-9-1/16	7-13-1/64	6-9-1/16	7-7-1/32	6-7-1/16	7-7-1/32	6-3-1/8	7-9-1/32
72	6-7/8	7-9-1/32	6-13-1/16	7-9-1/32	6-13-1/16</									



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416 SPEC

416 SPEC

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DASH NO.	AN180		AN182		AN184		AN186	
	GRIP ±1/64	LENGTH +1/32 -1/64	GRIP ±1/64	LENGTH +1/32 -1/64	GRIP ±1/64	LENGTH +1/32 -1/64	GRIP ±1/64	LENGTH +1/32 -1/64
7	2-1/16	1-1/64						
10	3-1/16	3-9/64	1-1/16	1-5/32				
11	5-1/16	1-17/64	3-1/16	1-9/32	1-1/16	1-5/16		
12	7-1/16	1-25/64	5-1/16	1-13/32	3-1/16	1-7/16	1-1/8	1-1/2
13	9-1/16	1-33/64	7-1/16	1-17/32	5-1/16	1-9/16	1-1/4	1-5/8
14	11-1/16	1-41/64	9-1/16	1-21/32	7-1/16	1-11/16	3-1/4	1-3/4
15	13-1/16	1-49/64	11-1/16	1-25/32	9-1/16	1-13/16	1-1/2	1-7/8
16	15-1/16	1-57/64	13-1/16	1-29/32	11-1/16	1-15/16	5/8	2
17	1-1/16	2-1/64	15-1/16	2-1/32	13-1/16	2-1/16	3/4	2-1/8
20	1-3/16	2-9/64	1-1/16	2-5/32	15-1/16	2-3/16	7/8	2-1/4
21	1-5/16	2-17/64	2-3/16	2-9/32	1-1/16	2-5/16	1	2-3/8
22	1-7/16	2-25/64	1-5/16	2-13/32	1-3/16	2-7/16	1-1/8	2-1/2
23	1-9/16	2-33/64	1-7/16	2-17/32	1-5/16	2-9/16	1-1/4	2-5/8
24	1-11/16	2-41/64	1-9/16	2-21/32	1-7/16	2-11/16	1-3/8	2-3/4
25	1-13/16	2-49/64	1-11/16	2-25/32	1-9/16	2-13/16	1-1/2	2-7/8
26	1-15/16	2-57/64	1-13/16	2-29/32	1-11/16	2-15/16	1-5/8	3
27	2-1/16	3-1/64	1-15/16	3-1/32	1-13/16	3-1/16	1-3/4	3-1/8
30	2-3/16	3-9/64	2-1/16	3-5/32	1-15/16	3-3/16	1-7/8	3-1/4
31	2-5/16	3-17/64	2-3/16	3-9/32	2-1/16	3-5/16	2	3-3/8
32	2-7/16	3-25/64	2-5/16	3-13/32	2-3/16	3-7/16	2-1/8	3-1/2
33	2-9/16	3-33/64	2-7/16	3-17/32	2-5/16	3-9/16	2-1/4	3-5/8
34	2-11/16	3-41/64	2-9/16	3-21/32	2-7/16	3-11/16	2-3/8	3-3/4
35	2-13/16	3-49/64	2-11/16	3-25/32	2-9/16	3-13/16	2-1/2	3-7/8
36	2-15/16	3-57/64	2-13/16	3-29/32	2-11/16	3-15/16	2-5/8	4
37	3-1/16	4-1/64	2-15/16	4-1/32	2-13/16	4-1/16	2-3/4	4-1/8
40	3-3/16	4-9/64	3-1/16	4-5/32	2-15/16	4-3/16	2-7/8	4-1/4
41	3-5/16	4-17/64	3-3/16	4-9/32	3-1/16	4-5/16	3	4-3/8
42	3-7/16	4-25/64	3-5/16	4-13/32	3-3/16	4-7/16	3-1/8	4-1/2
43	3-9/16	4-33/64	3-7/16	4-17/32	3-5/16	4-9/16	3-1/4	4-5/8
44	3-11/16	4-41/64	3-9/16	4-21/32	3-7/16	4-11/16	3-3/8	4-3/4
45	3-13/16	4-49/64	3-11/16	4-25/32	3-9/16	4-13/16	3-1/2	4-7/8
46	3-15/16	4-57/64	3-13/16	4-29/32	3-11/16	4-15/16	3-5/8	5
47	4-1/16	5-1/64	3-15/16	5-1/32	3-13/16	5-1/16	3-3/4	5-1/8
50	4-3/16	5-9/64	4-1/16	5-5/32	3-15/16	5-3/16	3-7/8	5-1/4
51	4-5/16	5-17/64	4-3/16	5-9/32	4-1/16	5-5/16	4	5-3/8
52	4-7/16	5-25/64	4-5/16	5-13/32	4-3/16	5-7/16	4-1/8	5-1/2
53	4-9/16	5-33/64	4-7/16	5-17/32	4-5/16	5-9/16	4-1/4	5-5/8
54	4-11/16	5-41/64	4-9/16	5-21/32	4-7/16	5-11/16	4-3/8	5-3/4
55	4-13/16	5-49/64	4-11/16	5-25/32	4-9/16	5-13/16	4-1/2	5-7/8
56	4-15/16	5-57/64	4-13/16	5-29/32	4-11/16	5-15/16	4-5/8	6
57	5-1/16	6-1/64	4-15/16	6-1/32	4-13/16	6-1/16	4-3/4	6-1/8
60	5-3/16	6-9/64	5-1/16	6-5/32	4-15/16	6-3/16	4-7/8	6-1/4
61	5-5/16	6-17/64	5-3/16	6-9/32	5-1/16	6-5/16	5	6-3/8
62	5-7/16	6-25/64	5-5/16	6-13/32	5-3/16	6-7/16	5-1/8	6-1/2
63	5-9/16	6-33/64	5-7/16	6-17/32	5-5/16	6-9/16	5-1/4	6-5/8
64	5-11/16	6-41/64	5-9/16	6-21/32	5-7/16	6-11/16	5-3/8	6-3/4
65	5-13/16	6-49/64	5-11/16	6-25/32	5-9/16	6-13/16	5-1/2	6-7/8
66	5-15/16	6-57/64	5-13/16	6-29/32	5-11/16	6-15/16	5-5/8	7
67	6-1/16	7-1/64	5-15/16	7-1/32	5-13/16	7-1/16	5-3/4	7-1/8
70	6-3/16	7-9/64	6-1/16	7-5/32	5-15/16	7-3/16	5-7/8	7-1/4
71	6-5/16	7-17/64	6-3/16	7-9/32	6-1/16	7-5/16	6	7-3/8
72	6-7/16	7-25/64	6-5/16	7-13/32	6-3/16	7-7/16	6-1/8	7-1/2
73	6-9/16	7-33/64	6-7/16	7-17/32	6-5/16	7-9/16	6-1/4	7-5/8
74	6-11/16	7-41/64	6-9/16	7-21/32	6-7/16	7-11/16	6-3/8	7-3/4
75	6-13/16	7-49/64	6-11/16	7-25/32	6-9/16	7-13/16	6-1/2	7-7/8
76	6-15/16	7-57/64	6-13/16	7-29/32	6-11/16	7-15/16	6-5/8	8
77	7-1/16	8-1/64	6-15/16	8-1/32	6-13/16	8-1/16	6-3/4	8-1/8
80	7-3/16	8-9/64	7-1/16	8-5/32	6-15/16	8-3/16	6-7/8	8-1/4
81							7	8-3/8
82							7-1/8	8-1/2

(a) MARKING MAY BE EITHER RAISED OR DEPRESSED.

THE HEIGHT OR DEPTH OF THE MARKINGS SHALL NOT EXCEED THE FOLLOWING VALUES:

.025 INCH FOR 9/16 DIAMETER BOLTS AND SMALLER;

.030 INCH FOR 5/8 DIAMETER BOLTS AND LARGER.

HEAD MARKING MAY INCLUDE MANUFACTURER'S MARKINGS.

(b) GRIP LENGTH OF BOLTS SHALL BE MEASURED FROM THE UNDERSIDE OF THE HEAD TO THE END OF THE FULL CYLINDRICAL PORTION OF THE SHANK. COMPLETE THREADS SHALL BEGIN WITHIN TWO THREAD PITCH MAXIMUM. TWO THREAD PITCH MAXIMUM MAY CONSIST OF INCOMPLETE THREAD OR EXTRUSION ANGLE.

(c) CORROSION RESISTING STEEL BOLTS AND ALUMINUM ALLOY BOLTS INACTIVE FOR DESIGN AFTER 24 MARCH 1952.  
FOR DEFINITION AND APPLICATION OF DRAWING STATUS NOTES, SEE ANA BULLETIN NO. 337.

PROCUREMENT  
SPECIFICATION

AIR FORCE-NAVY AERONAUTICAL STANDARD

BOLT-

AN173 THRU AN186

MIL-B-6412

NOTICE—When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government's name and trademark are not to be used, and it is to be stated that the Government may have furnished, furnished, or in any way supplied the said drawing, specification, or other data is not to be taken as an endorsement or otherwise as in any manner implying the holder or any other person or corporation, or conveying any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.

NOTE—This drawing was approved by joint action of the Air Force and Navy Departments as the Air Force-Navy standard for this product. This drawing supersedes all antecedent standard drawings for the same product and shall become effective for the procurement of aeronautical supplies, or for use in new design, not later than six months after the latest date of approval shown.

BASIC PART NO.	THREAD T	RATED STRENGTH (POUNDS)					
		ULTIMATE TENSILE AT ROOT DIA		YIELD TENSILE AT ROOT DIA		SINGLE SHEAR AT FULL DIA	
		STEEL	AL ALLOY	STEEL	AL ALLOY	STEEL	AL ALLOY
AN173	NO. 10-32 NF-3A	2 210	1 100	1 690	710	2 125	990
AN174	1/4 -28 UNF-3A	4 060	2 030	3 130	1 310	3 680	1 715
AN175	5/16-24 UNF-3A	6 500	3 220	4 980	2 080	5 750	2 685
AN176	3/8 -24 UNF-3A	10 100	5 020	7 740	3 240	8 280	3 870
AN177	7/16-20 UNF-3A	13 600	6 750	10 430	4 350	11 250	5 250
AN178	1/2 -20 UNF-3A	18 500	9 180	14 190	5 920	14 700	6 850
AN179	9/16-18 UNF-3A	23 600	11 700	18 100	7 550	18 700	8 700
AN180	5/8 -18 UNF-3A	30 100	14 900	23 080	9 610	23 000	10 750
AN182	3/4 -16 UNF-3A	44 000	21 800	33 730	14 100	33 150	15 500
AN184	7/8 -14 UNF-3A	60 000	29 800	46 000	19 200	45 050	21 050
AN186	1 -14 NF-3A	80 700	40 000	61 870	25 800	58 900	27 500

PROCUREMENT  
SPECIFICATION

MIL-B-6812

AIR FORCE-NAVY AERONAUTICAL STANDARD

BOLT -

U AN86

SHEET 1 OF 1

APPROVED 24 Mar 52 REVISED 1 FOR CHANGES SEE SHEET 1