

AIRFRAME BOLTS AN3 Thru AN7

Undrilled shank bolts have the letter 'A' after dash number. Drilled head bolts have the letter 'H' after the AN number (See previous page).

BASIC AN 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
AN3	No. 10-32 NF-3A	2210	1100	1690	710	2125	990
AN4	1/4 -28 UNF-3A	4080	2030	3130	1310	3680	1715
AN5	5/16-24 UNF-3A	6500	3220	4980	2080	5750	2685
AN6	3/8 -24 UNF-3A	10100	5020	7740	3240	8280	3870
AN7	7/16-20 UNF-3A	13600	6750	10430	4350	11250	5250
AN8	1/2 -20 UNF-3A	18500	9180	14190	5920	14700	6850
AN9	9/16-18 UNF-3A	23600	11700	18100	7550	18700	8700
AN10	5/8 -18 UNF-3A	30100	14900	23080	9610	23000	10750
AN12	3/4 -16 UNF-3A	44000	21800	33730	14100	33150	15500
AN14	7/8 -14 UNF-3A	60000	29800	46000	19200	45050	21050
AN16	1 -14 NF-3A	80700	40000	61870	25800	58900	27500
AN17	1 -12 UNF-3A	80700	40000	61870	25800	58900	27500
AN18	1-1/8 -12 UNF-3A	101800	50500	78050	32600	73750	34500
AN20	1-1/4 -12 UNF-3A	130200	64400	99820	41500	91050	42500

*All AN Bolts meet minimum Tensile Strength Values of 125,000 PSI
 Commercial Grade 8 Bolts Have a Comparative Strength of 150,000 PSI
 Commercial Grade 5 Bolts Have a Comparative Strength of 120,000 PSI
 Dropping to 110,000 PSI for Diameters Greater Than 1"
 Commercial Grade 2 Bolts Have a Comparative Strength of 70,000 PSI
 Dropping to 60,000 PSI for Diameters Greater Than 3/4"

NF -National Fine Thread
 UNF-Unified National Fine Thread

AN BOLT GAUGE

Measure AN Bolts and AN
 Eyebolts accurately up
 to 5/8" Diameter and 5"
 Length
 Metal Construction
Part# AN Bolt Gauge

