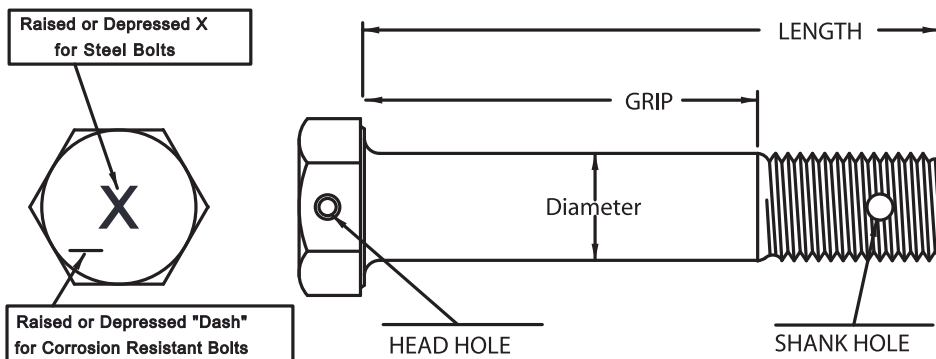


# Genuine Aircraft Hardware Co.

## AN3 - AN20 Bolts Diameter / Head Size / Hole Sizes



### HELP WITH THE SELECTION OF PART NUMBERS

The first number after "AN" designates the (Diameter). The next symbol designates material and head drill if applicable.

USE ( - ) After the diameter for (Steel, Cad II plated). No hole in the head.

USE ( C ) In place of ( - ) for (Corrosion Resistant Steel).

ADD ( H ) In place of ( - ) or after ( C ) for a hole in the head.

THE ( A ) The presence of the ( A ) at the very end of all the numbers means that there will be no hole in the shank.

The last number, either single or double digit denotes length. If it is a single digit this is the nominal length in 1/8ths of an inch. If it is a two digit number, the first is whole inches, the second is additional 1/8ths; this is a nominal sizing. SEE THE CHARTS!

**Kits Available**

### Examples of part numbers:

AN4-14 = 1/4 DIAMETER, 28 THREADS PER INCH, STEEL, CAD II PLATING, 1.063 GRIP, 1.531 OVERALL LENGTH, NO HOLE IN HEAD, HOLE IN SHANK.

AN4-14A = 1/4 DIAMETER, 28 THREADS PER INCH, STEEL, CAD II PLATING, 1.063 GRIP, 1.531 OVERALL LENGTH, NO HOLE IN HEAD OR SHANK.

AN4C14 = 1/4 DIAMETER, 28 THREADS PER INCH, CORROSION RESISTANT STEEL, UNPLATED, 1.063 GRIP, 1.531 O.A.L., NO HOLE IN HEAD, HOLE IN SHANK.

AN4C14A = 1/4 DIAMETER, 28 THREADS PER INCH, CORROSION RESISTANT STEEL, UNPLATED, 1.063 GRIP, 1.531 O.A.L., NO HOLE IN HEAD OR SHANK.

AN4CH14A = 1/4 DIAMETER, 28 THREADS PER INCH, CORROSION RESISTANT STEEL, UNPLATED, 1.063 GRIP, 1.531 O.A.L., HOLE IN HEAD AND NO HOLE IN SHANK.

AN4H14 = 1/4 DIAMETER, 28 THREADS PER INCH, STEEL, CAD II PLATING, 1.063 GRIP, 1.531 OVERALL LENGTH, HOLE IN HEAD, HOLE IN SHANK.

AN4H14A = 1/4 DIAMETER, 28 THREADS PER INCH, STEEL, CAD II PLATING, 1.063 GRIP, 1.531 OVERALL LENGTH, HOLE IN HEAD, NO HOLE IN SHANK.

NOTE: all dimensions in inches

AN # BASIC	THREAD DIA/PITCH	DIA. MAX	DIA. MIN	WRENCH SIZE	HOLE,SHANK +.010, -.000	HOLE,HEAD +.010, -.000	COMMONLY USED STEEL COTTER	COMMONLY USED STAINLESS COTTER
<b>AN3</b>	10-32	.189	.186	3/8"	.070	.046	MS24665-132	MS24665-151
<b>AN4</b>	1/4-28	.249	.246	7/16"	.076	.046	MS24665-132	MS24665-151
<b>AN5</b>	5/16-24	.312	.309	1/2"	.076	.070	MS24665-210	MS24665-229
<b>AN6</b>	3/8-24	.374	.371	9/16"	.106	.070	MS24665-283	MS24665-300
<b>AN7</b>	7/16-20	.437	.433	5/8"	.106	.070	MS24665-283	MS24665-300
<b>AN8</b>	1/2-20	.499	.495	3/4"	.106	.070	MS24665-285	MS24665-302
<b>AN9</b>	9/16-18	.562	.558	7/8"	.141	.070	MS24665-353	MS24665-370
<b>AN10</b>	5/8-18	.624	.620	15/16"	.141	.070	MS24665-355	MS24665-372
<b>AN12</b>	3/4-16	.749	.744	1+1/16"	.141	.070	MS24665-355	MS24665-372
<b>AN14</b>	7/8-14	.874	.869	1+1/4"	.141	.070	MS24665-357	MS24665-374
<b>AN16*</b>	1"-14	.999	.993	1+1/2"	.141	.070	MS24665-359	MS24665-376
<b>AN17</b>	1"-12	.999	.993	1+1/2"	.141	.070	MS24665-359	MS24665-376
<b>AN18</b>	1 1/8-12	1.124	1.118	1+5/8"	.141	.070	MS24665-359	MS24665-376
<b>AN20</b>	1 1/4-12	1.249	1.243	1+7/8"	.141	.070	MS24665-360	MS24665-377

\* The thread pitch 1"-14 became INACTIVE FOR DESIGN after June 1966.

## AN Bolts

### Dash # / Grip Length / Overall Length

NOTE: all dimensions in inches

-Nu.	AN3-GRIP + or - 1/64"	AN3-O.A.L. +1/32 -1/64	AN4-GRIP + or - 1/64"	AN4-O.A.L. +1/32 -1/64	AN5-GRIP + or - 1/64"	AN5-O.A.L. +1/32 -1/64	AN6-GRIP + or - 1/64"	AN6-O.A.L. +1/32 -1/64	AN7-GRIP + or - 1/64"	AN7-O.A.L. +1/32 -1/64	AN8-GRIP + or - 1/64"	AN8-O.A.L. +1/32 -1/64
3	0.063	0.469	0.063	0.469								
4	0.125	0.531	0.063	0.531	0.063	0.594						
5	0.250	0.656	0.188	0.656	0.188	0.719	0.063	0.703	0.063	0.719		
6	0.375	0.781	0.313	0.781	0.313	0.844	0.188	0.828	0.188	0.844	0.063	0.844
7	0.500	0.906	0.438	0.906	0.438	0.969	0.313	0.953	0.313	0.969	0.188	0.969
10	0.625	1.031	0.563	1.031	0.563	1.094	0.438	1.078	0.438	1.094	0.313	1.094
11	0.750	1.156	0.688	1.156	0.688	1.219	0.563	1.203	0.563	1.219	0.438	1.219
12	0.875	1.281	0.813	1.281	0.813	1.344	0.688	1.328	0.688	1.344	0.563	1.344
13	1.000	1.406	0.938	1.406	0.938	1.469	0.813	1.453	0.813	1.469	0.688	1.469
14	1.125	1.531	1.063	1.531	1.063	1.594	0.938	1.578	0.938	1.594	0.813	1.594
15	1.250	1.656	1.188	1.656	1.188	1.719	1.063	1.703	1.063	1.719	0.938	1.719
16	1.375	1.781	1.313	1.781	1.313	1.844	1.188	1.828	1.188	1.844	1.063	1.844
17	1.500	1.906	1.438	1.906	1.438	1.969	1.313	1.953	1.313	1.969	1.188	1.969
20	1.625	2.031	1.563	2.031	1.563	2.094	1.438	2.078	1.438	2.094	1.313	2.094
21	1.750	2.156	1.688	2.156	1.688	2.219	1.563	2.203	1.563	2.219	1.438	2.219
22	1.875	2.281	1.813	2.281	1.813	2.344	1.688	2.328	1.688	2.344	1.563	2.344
23	2.000	2.406	1.938	2.406	1.938	2.469	1.813	2.453	1.813	2.469	1.688	2.469
24	2.125	2.531	2.063	2.531	2.063	2.594	1.938	2.578	1.938	2.594	1.813	2.594
25	2.250	2.656	2.188	2.656	2.188	2.719	2.063	2.703	2.063	2.719	1.938	2.719
26	2.375	2.781	2.313	2.781	2.313	2.844	2.188	2.828	2.188	2.844	2.063	2.844
27	2.500	2.906	2.438	2.906	2.438	2.969	2.313	2.953	2.313	2.969	2.188	2.969
30	2.625	3.031	2.563	3.031	2.563	3.094	2.438	3.078	2.438	3.094	2.313	3.094
31	2.750	3.156	2.688	3.156	2.688	3.219	2.563	3.203	2.563	3.219	2.438	3.219
32	2.875	3.281	2.813	3.281	2.813	3.344	2.688	3.328	2.688	3.344	2.563	3.344
33	3.000	3.406	2.938	3.406	2.938	3.469	2.813	3.453	2.813	3.469	2.688	3.469
34	3.125	3.531	3.063	3.531	3.063	3.594	2.938	3.578	2.938	3.594	2.813	3.594
35	3.250	3.656	3.188	3.656	3.188	3.719	3.063	3.703	3.063	3.719	2.938	3.719
36	3.375	3.781	3.313	3.781	3.313	3.844	3.188	3.828	3.188	3.844	3.063	3.844
37	3.500	3.906	3.438	3.906	3.438	3.969	3.313	3.953	3.313	3.969	3.188	3.969
40	3.625	4.031	3.563	4.031	3.563	4.094	3.438	4.078	3.438	4.094	3.313	4.094
41	3.750	4.156	3.688	4.156	3.688	4.219	3.563	4.203	3.563	4.219	3.438	4.219
42	3.875	4.281	3.813	4.281	3.813	4.344	3.688	4.328	3.688	4.344	3.563	4.344
43	4.000	4.406	3.938	4.406	3.938	4.469	3.813	4.453	3.813	4.469	3.688	4.469
44	4.125	4.531	4.063	4.531	4.063	4.594	3.938	4.578	3.938	4.594	3.813	4.594
45	4.250	4.656	4.188	4.656	4.188	4.719	4.063	4.703	4.063	4.719	3.938	4.719
46	4.375	4.781	4.313	4.781	4.313	4.844	4.188	4.828	4.188	4.844	4.063	4.844
47	4.500	4.906	4.438	4.906	4.438	4.969	4.313	4.953	4.313	4.969	4.188	4.969
50	4.625	5.031	4.563	5.031	4.563	5.094	4.438	5.078	4.438	5.094	4.313	5.094
51	4.750	5.156	4.688	5.156	4.688	5.219	4.563	5.203	4.563	5.219	4.438	5.219
52	4.875	5.281	4.813	5.281	4.813	5.344	4.688	5.328	4.688	5.344	4.563	5.344
53	5.000	5.406	4.938	5.406	4.938	5.469	4.813	5.453	4.813	5.469	4.688	5.469
54	5.125	5.531	5.063	5.531	5.063	5.594	4.938	5.578	4.938	5.594	4.813	5.594
55	5.250	5.656	5.188	5.656	5.188	5.719	5.063	5.703	5.063	5.719	4.938	5.719
56	5.375	5.781	5.313	5.781	5.313	5.844	5.188	5.828	5.188	5.844	5.063	5.844
57	5.500	5.906	5.438	5.906	5.438	5.969	5.313	5.953	5.313	5.969	5.188	5.969
60	5.625	6.031	5.563	6.031	5.563	6.094	5.438	6.078	5.438	6.094	5.313	6.094
61	5.750	6.156	5.688	6.156	5.688	6.219	5.563	6.203	5.563	6.219	5.438	6.219
62	5.875	6.281	5.813	6.281	5.813	6.344	5.688	6.328	5.688	6.344	5.563	6.344
63	6.000	6.406	5.938	6.406	5.938	6.469	5.813	6.453	5.813	6.469	5.688	6.469
64	6.125	6.531	6.063	6.531	6.063	6.594	5.938	6.578	5.938	6.594	5.813	6.594
65	6.250	6.656	6.188	6.656	6.188	6.719	6.063	6.703	6.063	6.719	5.938	6.719
66	6.375	6.781	6.313	6.781	6.313	6.844	6.188	6.828	6.188	6.844	6.063	6.844
67	6.500	6.906	6.438	6.906	6.438	6.969	6.313	6.953	6.313	6.969	6.188	6.969
70	6.625	7.031	6.563	7.031	6.563	7.094	6.438	7.078	6.438	7.094	6.313	7.094
71	6.750	7.156	6.688	7.156	6.688	7.219	6.563	7.203	6.563	7.219	6.438	7.219
72	6.875	7.281	6.813	7.281	6.813	7.344	6.688	7.328	6.688	7.344	6.563	7.344
73	7.000	7.406	6.938	7.406	6.938	7.469	6.813	7.453	6.813	7.469	6.688	7.469
74	7.125	7.531	7.063	7.531	7.063	7.594	6.938	7.578	6.938	7.594	6.813	7.594
75	7.250	7.656	7.188	7.656	7.188	7.719	7.063	7.703	7.063	7.719	6.938	7.719
76	7.375	7.781	7.313	7.781	7.313	7.844	7.188	7.828	7.188	7.844	7.063	7.844
77	7.500	7.906	7.438	7.906	7.438	7.969	7.313	7.953	7.313	7.969	7.188	7.969
80	7.625	8.031	7.563	8.031	7.563	8.094	7.438	8.078	7.438	8.094	7.313	8.094

# Genuine Aircraft Hardware Co.

## AN Bolts

### Dash # / Grip Length / Overall Length

NOTE: all dimensions in inches

-Nu.	AN9-GRIP + or - 1/64"	AN9-O.A.L. +1/32 -1/64"	AN10-GRIP + or - 1/64"	AN10-O.A.L. +1/32 -1/64"	AN12-GRIP + or - 1/64"	AN12-O.A.L. +1/32 -1/64"	AN14-GRIP + or - 1/64"	AN14-O.A.L. +1/32 -1/64"	AN16,17GR + or - 1/64"	AN16,17OA +1/32 -1/64"	AN18-GRIP + or - 1/64"	AN18-O.A.L. +1/32 -1/64"	AN20-GRIP + or - 1/64"	AN20-O.A.L. +1/32 -1/64"
6	0.063	0.969												
7	0.125	1.031	0.063	1.016										
10	0.250	1.156	0.188	1.141	0.063	1.156								
11	0.375	1.281	0.313	1.266	0.188	1.281	0.063	1.313						
12	0.500	1.406	0.438	1.391	0.313	1.406	0.188	1.438	0.125	1.500				
13	0.625	1.531	0.563	1.516	0.438	1.531	0.313	1.563	0.250	1.625	0.063	1.563		
14	0.750	1.656	0.688	1.641	0.563	1.656	0.438	1.688	0.375	1.750	0.188	1.688		
15	0.875	1.781	0.813	1.766	0.688	1.781	0.563	1.813	0.500	1.875	0.313	1.813	0.125	1.813
16	1.000	1.906	0.938	1.891	0.813	1.906	0.688	1.938	0.625	2.000	0.438	1.938	0.250	1.938
17	1.125	2.031	1.063	2.016	0.938	2.031	0.813	2.063	0.750	2.125	0.563	2.063	0.375	2.063
20	1.250	2.156	1.188	2.141	1.063	2.156	0.938	2.188	0.875	2.250	0.688	2.188	0.500	2.188
21	1.375	2.281	1.313	2.266	1.188	2.281	1.063	2.313	1.000	2.375	0.813	2.313	0.625	2.313
22	1.500	2.406	1.438	2.391	1.313	2.406	1.188	2.438	1.125	2.500	0.938	2.438	0.750	2.438
23	1.625	2.531	1.563	2.516	1.438	2.531	1.313	2.563	1.250	2.625	1.063	2.563	0.875	2.563
24	1.750	2.656	1.688	2.641	1.563	2.656	1.438	2.688	1.375	2.750	1.188	2.688	1.000	2.688
25	1.875	2.781	1.813	2.766	1.688	2.781	1.563	2.813	1.500	2.875	1.313	2.813	1.125	2.813
26	2.000	2.906	1.938	2.891	1.813	2.906	1.688	2.938	1.625	3.000	1.438	2.938	1.250	2.938
27	2.125	3.031	2.063	3.016	1.938	3.031	1.813	3.063	1.750	3.125	1.563	3.063	1.375	3.063
30	2.250	3.156	2.188	3.141	2.063	3.156	1.938	3.188	1.875	3.250	1.688	3.188	1.500	3.188
31	2.375	3.281	2.313	3.266	2.188	3.281	2.063	3.313	2.000	3.375	1.813	3.313	1.625	3.313
32	2.500	3.406	2.438	3.391	2.313	3.406	2.188	3.438	2.125	3.500	1.938	3.438	1.750	3.438
33	2.625	3.531	2.563	3.516	2.438	3.531	2.313	3.563	2.250	3.625	2.063	3.563	1.875	3.563
34	2.750	3.656	2.688	3.641	2.563	3.656	2.438	3.688	2.375	3.750	2.188	3.688	2.000	3.688
35	2.875	3.781	2.813	3.766	2.688	3.781	2.563	3.813	2.500	3.875	2.313	3.813	2.125	3.813
36	3.000	3.906	2.938	3.891	2.813	3.906	2.688	3.938	2.625	4.000	2.438	3.938	2.250	3.938
37	3.125	4.031	3.063	4.016	2.938	4.031	2.813	4.063	2.750	4.125	2.563	4.063	2.375	4.063
40	3.250	4.156	3.188	4.141	3.063	4.156	2.938	4.188	2.875	4.250	2.688	4.188	2.500	4.188
41	3.375	4.281	3.313	4.266	3.188	4.281	3.063	4.313	3.000	4.375	2.813	4.313	2.625	4.313
42	3.500	4.406	3.438	4.391	3.313	4.406	3.188	4.438	3.125	4.500	2.938	4.438	2.750	4.438
43	3.625	4.531	3.563	4.516	3.438	4.531	3.313	4.563	3.250	4.625	3.063	4.563	2.875	4.563
44	3.750	4.656	3.688	4.641	3.563	4.656	3.438	4.688	3.375	4.750	3.188	4.688	3.000	4.688
45	3.875	4.781	3.813	4.766	3.688	4.781	3.563	4.813	3.500	4.875	3.313	4.813	3.125	4.813
46	4.000	4.906	3.938	4.891	3.813	4.906	3.688	4.938	3.625	5.000	3.438	4.938	3.250	4.938
47	4.125	5.031	4.063	5.016	3.938	5.031	3.813	5.063	3.750	5.125	3.563	5.063	3.375	5.063
50	4.250	5.156	4.188	5.141	4.063	5.156	3.938	5.188	3.875	5.250	3.688	5.188	3.500	5.188
51	4.375	5.281	4.313	5.266	4.188	5.281	4.063	5.313	4.000	5.375	3.813	5.313	3.625	5.313
52	4.500	5.406	4.438	5.391	4.313	5.406	4.188	5.438	4.125	5.500	3.938	5.438	3.750	5.438
53	4.625	5.531	4.563	5.516	4.438	5.531	4.313	5.563	4.250	5.625	4.063	5.563	3.875	5.563
54	4.750	5.656	4.688	5.641	4.563	5.656	4.438	5.688	4.375	5.750	4.188	5.688	4.000	5.688
55	4.875	5.781	4.813	5.766	4.688	5.781	4.563	5.813	4.500	5.875	4.313	5.813	4.125	5.813
56	5.000	5.906	4.938	5.891	4.813	5.906	4.688	5.938	4.625	6.000	4.438	5.938	4.250	5.938
57	5.125	6.031	5.063	6.016	4.938	6.031	4.813	6.063	4.750	6.125	4.563	6.063	4.375	6.063
60	5.250	6.156	5.188	6.141	5.063	6.156	4.938	6.188	4.875	6.250	4.688	6.188	4.500	6.188
61	5.375	6.281	5.313	6.266	5.188	6.281	5.063	6.313	5.000	6.375	4.813	6.313	4.625	6.313
62	5.500	6.406	5.438	6.391	5.313	6.406	5.188	6.438	5.125	6.500	4.938	6.438	4.750	6.438
63	5.625	6.531	5.563	6.516	5.438	6.531	5.313	6.563	5.250	6.625	5.063	6.563	4.875	6.563
64	5.750	6.656	5.688	6.641	5.563	6.656	5.438	6.688	5.375	6.750	5.188	6.688	5.000	6.688
65	5.875	6.781	5.813	6.766	5.688	6.781	5.563	6.813	5.500	6.875	5.313	6.813	5.125	6.813
66	6.000	6.906	5.938	6.891	5.813	6.906	5.688	6.938	5.625	7.000	5.438	6.938	5.250	6.938
67	6.125	7.031	6.063	7.016	5.938	7.031	5.813	7.063	5.750	7.125	5.563	7.063	5.375	7.063
70	6.250	7.156	6.188	7.141	6.063	7.156	5.938	7.188	5.875	7.250	5.688	7.188	5.500	7.188
71	6.375	7.281	6.313	7.266	6.188	7.281	6.063	7.313	6.000	7.375	5.813	7.313	5.625	7.313
72	6.500	7.406	6.438	7.391	6.313	7.406	6.188	7.438	6.125	7.500	5.938	7.438	5.750	7.438
73	6.625	7.531	6.563	7.516	6.438	7.531	6.313	7.563	6.250	7.625	6.063	7.563	5.875	7.563
74	6.750	7.656	6.688	7.641	6.563	7.656	6.438	7.688	6.375	7.750	6.188	7.688	6.000	7.688
75	6.875	7.781	6.813	7.766	6.688	7.781	6.563	7.813	6.500	7.875	6.313	7.813	6.125	7.813
76	7.000	7.906	6.938	7.891	6.813	7.906	6.688	7.938	6.625	8.000	6.438	7.938	6.250	7.938
77	7.125	8.031	7.063	8.016	6.938	8.031	6.813	8.063	6.750	8.125	6.563	8.063	6.375	8.063
80	7.250	8.156	7.188	8.141	7.063	8.156	6.938	8.188	6.875	8.250	6.688	8.188	6.500	8.188