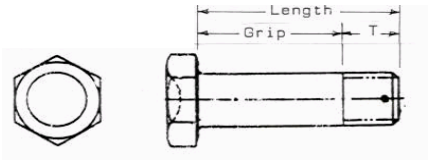
NAS 1100 Series High Strength Bolts

NAS1103 thru NAS1120 Bolt - Shear, Modified Hexagon Head
Short Thread Alloy Steel Heat Treated Per MIL-H-6875
160,000 - 180,000 psi Tensile Strength 95,000 psi Minimum Shear
Cadmium Plated per QQ-P-416, Type II, Class 2.
Example Part#s: NAS1104-9D 1/4-28 x .878 Drilled Shank
NAS1106-27 3/8-24 x 2.079 Undrilled Shank



		Length												
	Thread	#1032	1/4-28	5/16-24	3/8-24	7/16-20	1/2-20	9/16-18	5/8-18	3/4-16	7/8-14	1-12	1-1/8-12	1-1/4-12
Dash #	Grip	**NAS 1103**	**NAS 1104**	**NAS 1105**	**NAS 1106**	**NAS 1107**	**NAS 1108**	**NAS 1109**	**NAS 1110**	**NAS 1112**	**NAS 1114**	**NAS 1116**	**NAS 1118**	**NAS 1120**
1	0.620	0.338	0.378	0.437	0.453	0.515	0.515	0.573	0.605	0.634	0.714	0.832	0.926	1.020
2	0.125	0.401	0.441	0.500	0.516	0.578	0.578	0.636	0.668	0.697	0.777	0.895	0.989	1.083
3	0.188	0.464	0.504	0.563	0.579	0.641	0.641	0.699	0.731	0.760	0.840	0.958	1.052	1.146
4	0.250	0.526	0.566	0.625	0.641	0.703	0.703	0.761	0.793	0.822	0.902	1.020	1.114	1.208
5	0.312	0.588	0.628	0.687	0.703	0.765	0.765	0.823	0.855	0.884	0.964	1.082	1.176	1.270
6	0.375	0.651	0.691	0.750	0.766	0.828	0.828	0.886	0.918	0.947	1.027	1.145	1.239	1.333
7	0.438	0.714	0.754	0.813	0.829	0.891	0.891	0.949	0.981	1.010	1.090	1.208	1.302	1.396
8	0.500	0.776	0.816	0.875	0.891	0.953	0.953	1.011	1.043	1.072	1.152	1.270	1.364	1.458
9	0.562	0.838	0.878	0.937	0.953	1.015	1.015	1.073	1.105	1.134	1.214	1.332	1.426	1.520
10	0.625	0.901	0.941	1.000	1.016	1.078	1.078	1.136	1.168	1.197	1.277	1.395	1.489	1.583
11	0.688	0.964	1.004	1.063	1.079	1.141	1.141	1.199	1.231	1.260	1.340	1.458	1.552	1.646
12	0.750	1.026	1.066	1.125	1.141	1.203	1.203	1.261	1.291	1.322	1.402	1.520	1.614	1.708
13	8.120	1.088	1.128	1.187	1.203	1.265	1.265	1.323	1.355	1.384	1.464	1.582	1.676	1.770
14	0.875	1.151	1.191	1.250	1.266	1.328	1.328	1.386	1.418	1.447	1.527	1.645	1.739	1.833
15	0.938	1.214	1.254	1.313	1.329	1.391	1.391	1.449	1.481	1.510	1.590	1.708	1.802	1.896
16	1.000	1.276	1.316	1.375	1.391	1.453	1.453	1.511	1.543	1.572	1.652	1.770	1.864	1.958
17	1.062	1.338	1.378	1.437	1.453	1.515	1.515	1.573	1.605	1.634	1.714	1.832	1.926	2.020
18	1.125	1.401	1.441	1.500	1.516	1.578	1.578	1.636	1.668	1.697	1.777	1.895	1.989	2.083
19	1.188	1.464	1.504	1.563	1.579	1.641	1.641	1.699	1.731	1.760	1.840	1.958	2.052	2.146
20	1.250	1.526	1.566	1.625	1.641	1.703	1.703	1.761	1.793	1.822	1.902	2.020	2.114	2.208
21	1.312	1.588	1.628	1.687	1.703	1.765	1.765	1.823	1.855	1.884	1.964	2.082	2.176	2.270
22	1.375	1.651	1.691	1.750	1.766	1.828	1.828	1.886	1.918	1.947	2.027	2.145	2.239	2.333
23	1.438	1.714	1.754	1.813	1.829	1.891	1.891	1.949	1.981	2.010	2.090	2.208	2.302	2.396
24	1.500	1.776	1.816	1.875	1.891	1.953	1.953	2.011	2.043	2.072	2.152	2.270	2.364	2.458
25	1.562	1.838	1.878	1.937	1.953	2.015	2.015	2.073	2.105	2.134	2.214	2.332	2.426	2.520
26	1.625	1.901	1.941	2.000	2.016	2.078	2.078	2.136	2.168	2.197	2.277	2.395	2.489	2.583
27	1.688	1.964	2.004	2.063	2.079	2.141	2.141	2.199	2.231	2.260	2.340	2.458	2.552	2.646
28	1.750	2.026	2.066	2.125	2.141	2.203	2.203	2.261	2.291	2.322	2.402	2.520	2.614	2.708
29	1.812	2.088	2.128	2.187	2.203	2.265	2.265	2.323	2.355	2.384	2.464	2.582	2.676	2.770
30	1.875	2.151	2.191	2.250	2.266	2.328	2.328	2.386	2.418	2.447	2.527	2.645	2.739	2.833
31	1.938	2.214	2.254	2.313	2.329	2.329	2.391	2.449	2.481	2.510	2.590	2.708	2.802	2.896
32	2.000	2.276	2.316	2.375	2.391	2.453	2.453	2.511	2.543	2.572	2.652	2.770	2.864	2.958
34	2.125	2.401	2.441	2.500	2.516	2.578	2.578	2.636	2.668	2.697	2.777	2.895	2.989	3.083
36	2.250	2.526	2.566	2.625	2.641	2.703	2.703	2.761	2.793	2.822	2.902	3.020	3.114	3.208
38	2.375	2.651	2.691	2.750	2.766	2.828	2.828	2.886	2.918	2.947	3.027	3.145	3.239	3.333
40	2.500	2.776	2.816	2.875	2.891	2.953	2.953	3.011	3.043	3.072	3.152	3.270	3.364	3.458
42	2.625	2.901	2.941	3.000	3.016	3.078	3.078	3.136	3.168	3.197	3.277	3.395	3.489	3.583
44	2.750	3.026	3.066	3.125	3.141	3.203	3.203	3.261	3.291	3.322	3.402	3.520	3.614	3.708
46	2.875	3.151	3.191	3.250	3.266	3.328	3.328	3.386	3.418	3.447	3.527	3.645	3.739	3.833
48	3.000	3.276	3.316	3.375	3.391	3.453	3.453	3.511	3.543	3.572	3.652	3.770	3.864	3.958
50	3.125	3.401	3.441	3.500	3.516	3.578	3.578	3.636	3.668	3.697	3.777	3.895	3.989	4.083
52	3.250	3.526	3.566	3.625	3.641	3.703	3.703	3.761	3.793	3.822	3.902	4.020	4.114	4.208
54	3.375	3.651	3.691	3.750	3.766	3.828	3.828	3.886	3.918	3.947	4.027	4.145	4.239	4.333
56	3.500	3.776	3.816	3.875	3.891	3.953	3.953	4.011	4.043	4.072	4.152	4.270	4.364	4.458
58	3.625	3.901	3.941	4.000	4.016	4.078	4.078	4.136	4.168	4.197	4.277	4.395	4.489	4.583
60	3.750	4.026	4.066	4.125	4.141	4.203	4.203	4.261	4.291	4.322	4.402	4.520	4.614	4.708
62	3.875	4.151	4.191	4.250	4.266	4.328	4.328	4.386	4.418	4.447	4.527	4.645	4.739	4.833
64	4.000	4.276	4.316	4.375	4.391	4.453	4.453	4.511	4.543	4.572	4.652	4.770	4.864	4.958
66	4.125	4.401	4.441	4.500	4.516	4.578	4.578	4.636	4.668	4.697	4.777	4.895	4.989	4.083
68	4.250	4.526	4.566	4.625	4.641	4.703	4.703	4.761	4.793	4.822	4.902	5.020	5.114	5.208
70	4.375	4.651	4.691	4.750	4.766	4.828	4.828	4.886	4.918	4.947	5.027	5.145	5.239	5.333
72	4.500	4.776	4.816	4.875	4.891	4.953	4.953	5.011	5.043	5.072	5.152	5.270	5.364	5.458
74	4.625	4.901	4.941	5.000	5.016	5.078	5.078	5.136	5.168	5.197	5.277	5.395	5.489	5.583
76	4.750	5.026	5.066	5.125	5.141	5.203	5.203	5.261	5.291	5.322	5.402	5.520	5.614	5.708
78	4.875	5.151	5.191	5.250	5.266	5.328	5.328	5.386	5.418	5.447	5.527	5.645	5.739	5.833
80	5.000	5.276	5.316	5.375	5.391	5.453	5.453	5.511	5.543	5.572	5.652	5.770	5.864	5.958
82	5.125	5.401	5.441	5.500	5.516	5.578	5.578	5.636	5.668	5.697	5.777	5.895	5.989	6.083
84	5.250	5.526	5.566	5.625	5.641	5.703	5.703	5.761	5.793	5.822	5.902	6.020	6.114	6.208
86	5.375	5.651	5.691	5.750	5.766	5.828	5.828	5.886	5.918	5.947	6.027	6.145	6.239	6.333
88	5.500	5.776	5.816	5.875	5.891	5.953	5.953	6.011	6.043	6.072	6.152	6.270	6.364	6.458
90	5.625	5.901	5.941	6.000	6.016	6.078	6.078	6.136	6.168	6.197	6.277	6.395	6.489	6.583
92	5.750	6.026	6.066	6.125	6.141	6.203	6.203	6.261	6.291	6.322	6.402	6.520	6.614	6.708
94	5.875	6.151	6.191	6.250	6.266	6.328	6.328	6.386	6.418	6.447	6.527	6.645	6.739	6.833
96	6.000	6.276	6.316	6.375	6.391	6.453	6.453	6.511	6.543	6.572	6.652	6.770	6.864	6.958

Notes: NAS1100 Series Bolts are shear bolts because of the short thread design. Use MS21042, MS21245, or MS17826 Shear Nuts.
For tensile applications use NAS1300 Series Bolts.

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