



Basic Number	Nom Thread Size	C	D Diameter				E Dia Min	H	J	K Dia	M	N	P	R Rad	T	TD Dia	U Max	W Min
			Un-plated	Before Chrome Plating	Before Cad Plate or Al Coating	After Plating or Coating												
NAS6303	.1900-32	.376 .367	.1895 .1890	.1850 .1845	.1887 .1881	.1895 .1885	0.335	.125 .110	.088 .073	.056 .046	.174 .154	.18 .20	.080 .070		0.323 .1840 .1810	0.039	0.41	
NAS6304	.2500-28	.439 .429	.2495 .2490	.2450 .2445	.2487 .2481	.2495 .2485	0.398	.140 .125	.098 .083	.056 .046	.180 .160	.24 .26	.086 .076	.020 .010	0.37 .2440 .2410	0.045	0.48	
NAS6305	.3125-24	.502 .492	.3120 .3115	.3075 .3070	.3112 .3106	.3120 .3110	0.46	.171 .156	.119 .104		.192 .172	.30 .32			0.438 .3060 .3020	0.052	0.552	
NAS6306	.3750-24	.564 .554	.3745 .3740	.3700 .3695	.3737 .3731	.3745 .3735	0.523	.203 .188	.140 .125		.193 .173	.37 .39			0.454 .3680 .3640		0.623	
NAS6307	.4375-20	.690 .678	.4370 .4365	.4325 .4320	.4362 .4356	.4370 .4360	0.648	.234 .219	.161 .146		.209 .189	.43 .45	.116 .106	.025 .015	0.528 .4310 .4260	0.062	0.764	
NAS6308	.5000-20	.752 .741	.4995 .4990	.4950 .4945	.4987 .4981	.4995 .4985	0.71	.265 .250	.182 .167	.080 .070	.208 .188	.49 .51		.030 .020	0.528 .4930 .4880		0.836	
NAS6309	.5625-18	.877 .865	.5615 .5610	.5570 .5565	.5607 .5601	.5615 .5605	0.835	.296 .281	.203 .188		.217 .197	.55 .57		.035 .020	0.594 .5550 .5500	0.068	0.978	
NAS6310	.6250-18	.940 .928	.6240 .6235	.6195 .6190	.6232 .6226	.6240 .6230	0.898	.327 .312	.223 .208		.217 .197	.61 .63	.151 .141	.040 .025	0.626 .6180 .6120		1.05	
NAS6312	.7500-16	1.065 1.052	.7490 .7485	.7445 .7440	.7482 .7476	.7490 .7480	1.023	.390 .375	.265 .250		.232 .212	.74 .76		.045 .030	0.666 .7430 .7370	0.078	1.191	
NAS6314	.8750-14	1.252 1.239	.8740 .8735	.8695 .8690	.8732 .8726	.8740 .8730	1.21	.453 .438	.307 .292		.251 .231	.87 .89		.050 .035	0.759 .8680 .8610	0.089	1.405	
NAS6316	1.000-12	1.440 1.427	.9990 .9985	.9945 .9940	.9982 .9976	.9990 .9980	1.398	.515 .500	.348 .333		.274 .254	.99 1.01		.060 .045	0.895 .9930 .9860	0.104	1.619	

MATERIAL: A-286 per AMS 5731 or AMS 5737. Locking element - plastic per MIL-F-18240 and QPL18240.

HEAT TREAT: 160 ksi minimum ultimate tensile, 95 ksi minimum ultimate shear.

FINISH: Unplated - Passivated to meet requirements of NAS4003.
 Cadmium Plated - Cadmium plate per QQ-P-416, Type II, Class 2. Parts plated to Class 3 may be used until stock depleted. Embrittlement test per QQ-P-416 does not apply.
 Chromium Plated - Chromium plate per QQ-C-320, Class 2 on shank only. All other surfaces cadmium plated. No chromium within .020 of line of tangency of head-to-shank fillet. Chromium in thread runout permitted. Chromium plated bolts not available with grip dash number 1 or 2.

PROCUREMENT SPECIFICATION	TITLE	CLASSIFICATION
NAS4003	BOLT, HEX HEAD, CLOSE TOLERANCE 160,000 PSI SHORT THREAD	STANDARD PART NAS 6303 THRU 6316

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