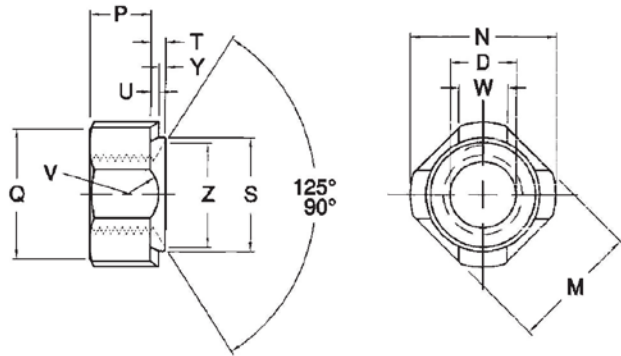


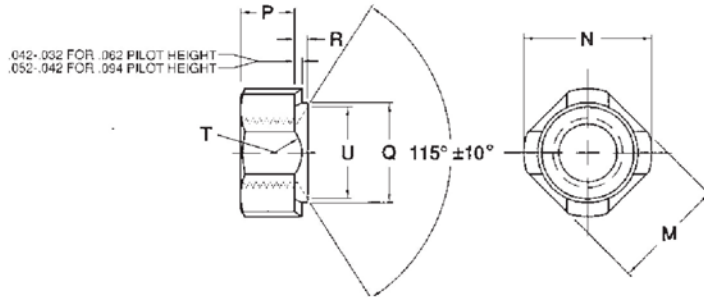
GM SQUARE WELD NUTS



GM Type F Piloted Projection Weld Nuts

Nominal Size	Thread Pitch	D		M		N		P		Q	S		T	U	V	W	Y	Z		Recommended Hole Size	GM Part Numbers	
		Minor Diameter		Width Across Flats		Width Across Corners		Nut Thickness		Chamfer Diameter	Pilot Diameter		Pilot Height	Projection			Pilot Protrusion	Counter-Sink Diameter				
														Height	Radius	Width						
		Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Min.	Max.	Min.	±0.13	±0.08	Basic	±0.25	Min.	Max.	Min.		+0.03 -0.25	Plain
M6	1.00	5.153	4.917	13.00	12.73	16.2	15.1	5.6	5.1	11.0	9.10	8.80	1.00 1.60	0.44 0.90	2.76	2.99 4.08	0.35 0.49	7.8	6.8	9.50	11505145 11505146	11515332 11514057
M6	1.00	5.153	4.917	13.00	12.73	16.2	15.1	5.5	5.2	11.0	10.10	9.80	1.58	0.93	3.20	4.51	0.39	8.8	7.8	10.50	11503944	11515299
M8	1.25	6.912	6.647	14.00	13.73	17.5	16.3	7.4	7.0	11.9	11.60	11.30	1.58	0.93	3.20	4.51	0.39	10.3	9.3	12.00	11503319 11502680	- -
M8	1.25	6.912	6.647	15.00	14.73	18.8	17.5	7.1	6.6	12.7	11.10	10.80	1.10	0.50	3.32	3.50	0.39	9.8	8.8	11.50	11505147 11505090	11514180 11514058
M10	1.50	8.676	8.376	18.00	17.73	22.5	21.1	8.2	7.7	15.3	13.60	13.30	1.20	0.60	4.31	4.39	0.39	12.3	11.0	14.00	11505148 11505091	11514059 11514181
M10	1.50	8.676	8.376	16.00	15.73	20.0	18.7	8.4	7.9	13.6	13.60	13.30	2.38	1.18	3.20	4.96	0.94	12.3	11.0	14.00	11502829	-
M12	1.75	10.441	10.106	21.00	20.67	26.2	24.6	9.9	9.4	17.8	16.10	15.80	1.30	0.70	5.44	5.34	0.39	14.8	13.0	16.50	11505149 11504858	- -

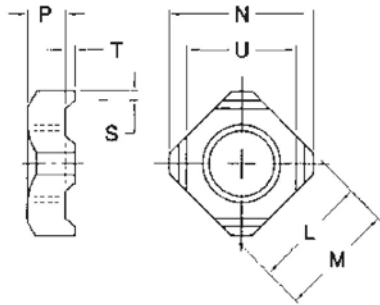
GM SQUARE WELD NUTS AMERICAN STANDARD



GM Type F Piloted Projection Weld Nuts-American Standard

Nominal Size	Thread Pitch	Thread Detail				M		N		P		Q		R	T	U	Recommended Hole Size	GM Part Numbers
		Pitch Diameter		Minor Diameter		Nut Width		Across Corners		Nut Thickness		Pilot Diameter		Pilot Height	Projection Radius	Countersink Diameter		
																		Steel
	Min.	Max.	Min.	Max.	Max.	Min.	Max. Ref.+	Min.	Max.	Min.	Max.	Max.	Min.	±0.005	±0.010	Max.	+0.000 -0.013	Plain
1/4	20	.2175	.2223	.196	.207	.500	.489	.63	.574	.164	.148	.406	.399	.062	.125	.368	.422	9416930
1/4	20	.2175	.2223	.196	.207	.500	.489	.63	.574	.133	.117	.406	.399	.094	.125	.368	.422	9417107
1/4	28	.2268	.2311	.211	.220	.500	.489	.63	.574	.164	.148	.406	.399	.062	.125	.368	.422	9417108
1/4	28	.2268	.2311	.211	.220	.500	.489	.63	.574	.133	.117	.406	.399	.094	.125	.368	.422	9417109
5/16	18	.2764	.2817	.252	.265	.562	.551	.68	.624	.195	.179	.469	.462	.062	.125	.431	.485	9415605
5/16	18	.2764	.2817	.252	.265	.562	.551	.68	.624	.195	.179	.469	.462	.094	.125	.431	.485	9416699
5/16	24	.2854	.2902	.267	.277	.562	.551	.68	.624	.195	.179	.469	.462	.062	.125	.431	.485	9416020
5/16	24	.2854	.2902	.267	.277	.562	.551	.68	.624	.195	.179	.469	.462	.094	.125	.431	.485	9417110
3/8	16	.3344	.3401	.307	.321	.625	.612	.77	.715	.258	.242	.531	.524	.062	.125	.493	.547	9415645
3/8	16	.3344	.3401	.307	.321	.625	.612	.77	.715	.258	.242	.531	.524	.094	.125	.493	.547	9416203
3/8	24	.3479	.3528	.330	.340	.625	.612	.77	.715	.258	.242	.531	.524	.062	.125	.493	.547	9415508
3/8	24	.3479	.3528	.330	.340	.625	.612	.77	.715	.258	.242	.531	.524	.094	.125	.493	.547	9417111
7/16	14	.3911	.3972	.360	.376	.750	.736	.90	.855	.320	.304	.656	.649	.062	.219	.618	.672	9417112
7/16	14	.3911	.3972	.360	.376	.750	.736	.90	.855	.320	.304	.656	.649	.094	.219	.618	.672	9417113
7/16	20	.4050	.4104	.383	.395	.750	.736	.90	.855	.320	.304	.656	.649	.062	.219	.618	.672	9417114
7/16	20	.4050	.4104	.383	.395	.750	.736	.90	.855	.320	.304	.656	.649	.094	.219	.618	.672	9417115
1/2	13	.4500	.4565	.417	.434	.812	.788	1.01	.918	.383	.367	.719	.712	.062	.250	.681	.735	9417116
1/2	13	.4500	.4565	.417	.434	.812	.788	1.01	.918	.383	.367	.719	.712	.094	.250	.681	.735	9417117
1/2	20	.4675	.4731	.446	.457	.812	.788	1.01	.918	.383	.367	.719	.712	.062	.250	.681	.735	9417118
1/2	20	.4675	.4731	.446	.457	.812	.788	1.01	.918	.383	.367	.719	.712	.094	.250	.681	.735	9417119
9/16	12	.5084	.5152	.472	.490	.880	.861	1.13	1.011	.445	.429	.781	.774	.062	.281	.743	.797	9417120
9/16	12	.5084	.5152	.472	.490	.880	.861	1.13	1.011	.445	.429	.781	.774	.094	.281	.743	.797	9417121
9/16	18	.5264	.5323	.502	.515	.880	.861	1.13	1.011	.445	.429	.781	.774	.062	.281	.743	.797	9417122
9/16	18	.5264	.5323	.502	.515	.880	.861	1.13	1.011	.445	.429	.781	.774	.094	.281	.743	.797	9417123
5/8	11	.5660	.5732	.527	.546	.880	.861	1.13	1.011	.445	.429	.781	.774	.062	.281	.743	.797	9417124
5/8	11	.5660	.5732	.527	.546	.880	.861	1.13	1.011	.445	.429	.781	.774	.094	.281	.743	.797	9417125
5/8	18	.5889	.5949	.565	.578	.880	.861	1.13	1.011	.445	.429	.781	.774	.062	.281	.743	.797	9417126
5/8	18	.5889	.5949	.565	.578	.880	.861	1.13	1.011	.445	.429	.781	.774	.094	.281	.743	.797	9417127

GM SQUARE WELD NUTS



GM Type A Projection Weld Nuts

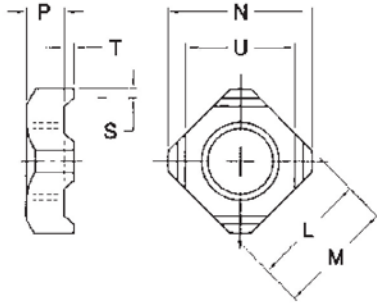
Nominal Size	Thread Pitch	Thread Detail				Series	L	M		N	P		T		GM Part Numbers	
		Pitch Diameter		Minor Diameter			Nominal Width	Overall Width		Across Corners	Nut Thickness		Projection Height			
															Steel	
		Max.	Min.	Max.	Min.		Ref.	Max.	Min.	Max. Ref.	Max.	Min.	Max.	Min.	Plain	Thread Mask
M6	1.00	.2166	.2107	.2028	.1936	Heavy	14.5	14.60	14.10	20.8	6.48	6.22	1.02	0.76	11503893	11514034
MB	1.25	.2892	.2830	.2721	.2617	Heavy	16.0	16.21	15.70	22.9	7.95	7.70	1.53	1.27	11500139	11514005
M10	1.50	.3624	.3554	.3415	.3298	Heavy	19.0	19.43	18.92	27.4	9.27	9.02	1.53	1.27	11500145	11514056

GM Type AM Projection Weld Nuts

Nominal Size	Thread Pitch	Minor Diameter		M		N	O	P		S		T		U		Recommended Hole Size	GM Part Numbers	
				Overall Width		Across Corners	Chamfer Diameter	Nut Thickness		Projection Flat Width		Projection Height		Diagonal at Base Projections			Steel	
		Max.	Min.	Max.	Min.	Max.	Min.	Max. Ref.+	Min.	Max.	Min.	Max.	Min.	Max.	Min.			
M6	1.00	5.153	4.917	13.00	12.73	17.0	11.0	5.7	5.4	2.0	1.0	1.00	0.75	11.7	11.0	8.50	11506045	11514020
MB	1.25	6.912	6.647	15.00	14.73	19.3	12.7	7.5	7.2	2.5	1.5	1.50	1.25	12.1	11.3	11.00	11508311	11514003
M10	1.50	8.676	8.376	18.00	17.73	22.6	15.3	10.0	9.7	2.5	1.5	1.50	1.25	15.4	14.6	13.00	11508312	11514004
M12	1.75	10.441	10.106	21.00	20.67	26.2	17.8	12.0	11.6	2.5	1.5	1.50	1.25	19.0	18.2	15.00	11508305	11516420
M14	2.00	12.210	11.835	24.00	23.67	30.0	20.4	14.1	13.4	2.5	1.5	1.50	1.25	22.8	22.0	17.00	11508307	-

GM SQUARE WELD NUTS

AMERICAN STANDARD



GM Type A Projection Weld Nuts - American Standard

Nominal Size	Thread Pitch	Thread Detail				Series	L	M		N	P		T		GM Part Numbers	
		Pitch Diameter		Minor Diameter			Nominal Width	Overall Width		Across Corners	Nut Thickness		Projection Height			
															Steel	
		Max.	Min.	Max.	Min.		Ref.	Max.	Min.	Max. Ref.	Max.	Min.	Max.	Min.	Plain	Thread Mask
1/4	20	.2175	.2223	.196	.207	Regular	7/16	.450	.430	.64	.188	.178	.040	.030	451744	9441962
5/16	18	.2764	.2817	.252	.265	Regular	9/16	.575	.555	.81	.218	.208	.040	.030	451748	9441961
5/16	18	.2764	.2817	.252	.265	Heavy	11/16	.700	.680	.99	.365	.355	.060	.050	451749	9441965
3/8	16	.3344	.3401	.307	.321	Regular	9/16	.575	.555	.81	.218	.208	.040	.030	451752	9441964
3/8	16	.3344	.3401	.307	.321	Heavy	11/16	.700	.680	.99	.365	.355	.060	.050	451753	9441994
7/16	14	.3911	.3972	.360	.376	Regular	3/4	.765	.745	1.08	.313	.303	.050	.040	451756	-
1/2	13	.4500	.4565	.417	.434	Regular	3/4	.765	.745	1.08	.313	.303	.050	.040	451760	9442029
1/2	13	.4500	.4565	.417	.434	Heavy	1	1.015	.995	1.44	.495	.485	.060	.050	451761	-