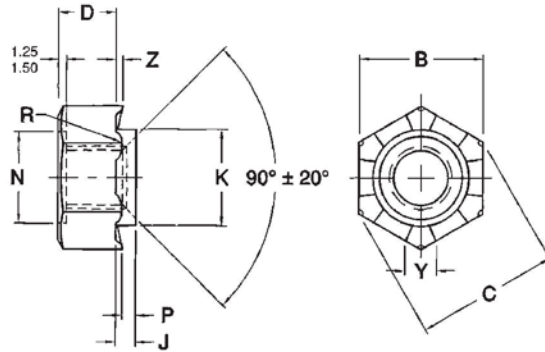


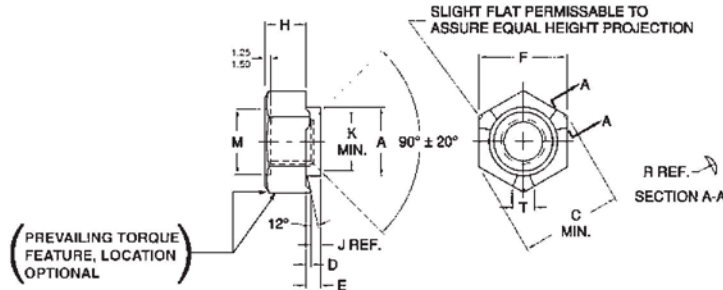
STELLANTIS HEX WELD NUTS



Stellantis Type EE Piloted Projection Weld Nuts

Nominal Size	Thread Pitch	B		C		D		J		K	N	P	R	Y	Z	Recommended Hole Size	Stellantis Part Numbers		
		Nut Width		Across Corners		Nut Thickness		Pilot Height		Pilot Diameter	C/Bore Diameter	Locating Height	Radius	Projection Width	Projection Height		Steel		
		Min.	Max.	Min.	Max. Ref.	Min.	Max.	Min.	Max.	+0.0 -0.3	+0.00 -0.25	Min.	Ref.	±0.25	±0.075		Plain	Copper Coat	Thread Mask
M6	1.00	12.73	13.0	14.38	15.01	7.0	7.5	0.63 1.75	0.80 2.00	9.0 9.0	8.4 8.4	0.25 0.65	2.80 2.80	2.75 3.50	0.40 1.00	9.5 9.5	6101913 6101914	6100058 6100059	- -
M6	1.00	12.73	13.0	14.38	15.01	8.50	9.00	0.63 1.75	0.80 2.0	9.0 9.0	8.4 8.4	0.25 0.65	2.8 2.8	2.75 3.5	0.40 1.00	9.5 9.5	6101907 -	6101369 -	6102051AA 6102052AA
M8	1.25	14.70	15.0	16.61	17.32	8.0	8.5	0.63 1.75	0.80 2.00	11.0 11.0	10.5 10.5	0.25 0.65	2.80 2.80	2.75 4.00	0.40 1.00	11.5 11.5	6101915 6101916	6100060 6100061	- -
M8	1.25	14.70	15.0	16.61	17.32	10.00	10.50	0.63 1.75	0.80 2.0	11.0 11.0	10.5 10.5	0.25 0.65	2.8 2.8	2.75 4.0	0.40 1.00	11.5 11.5	- 6101908	- 6101435	6102053AA 6102054AA
M10	1.50	17.67	18.0	19.97	20.78	8.5	9.0	0.63 1.75	0.80 2.00	13.5 13.5	12.8 12.8	0.25 0.65	2.80 2.80	3.00 4.25	0.40 1.00	14.0 14.0	6101917 6101918	6100062 6100063	- -
M10	1.50	17.67	18.0	19.97	20.78	11.50	12.00	0.63 1.75	0.80 2.0	13.5 13.5	12.8 12.8	0.25 0.65	2.8 2.8	3.00 4.25	0.40 1.00	14.0 14.0	6101989 6101909	- 6101520	6102055AA 6102056AA
M12	1.75	20.64	21.0	23.32	24.25	10.5	11.0	1.00 1.75	1.25 2.00	16.0 16.0	15.3 15.3	0.50 0.65	3.25 3.25	3.00 4.75	0.65 1.00	16.5 16.5	6101919 6101920	6100064 6100065	- -
M12	1.75	20.64	21.0	23.32	24.25	13.50	14.00	1.00 1.75	1.25 2.0	16.0 16.0	15.3 15.3	0.50 0.65	3.25 3.25	3.0 4.75	0.65 1.00	16.5 16.5	6101910 6101911	6101740 6101498	6102057AA 6102058AA
M14	2.00	23.61	24.0	26.68	27.71	12.5	13.0	1.00 1.75	1.25 2.00	19.5 19.5	17.3 17.3	0.50 0.65	4.00 4.00	4.50 5.00	0.65 1.00	20.0 20.0	6101921 6101922	6100066 6100067	- -
M16	2.00	25.48	26.0	28.79	30.02	14.5	15.0	1.75	2.00	20.5	19.5	0.65	4.50	5.25	1.00	21.0	6101923	6100068	-

FORD HEX WELD NUTS



Ford Weld Nuts - 3 Projection

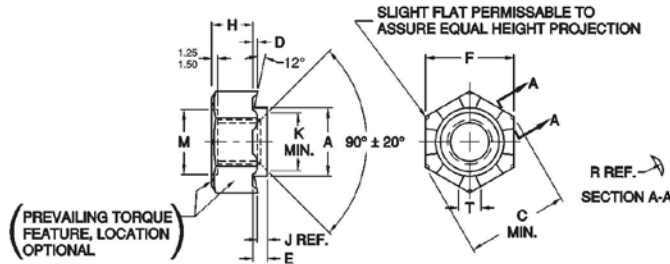
Nominal Size	Thread Pitch mm/Thd								For Long Pilot						For Short Pilot					
		A	C	F	H	K	M		D	E	J	R	T		D	E	J	R	T	
		Pilot O.D. +0.00/-0.30	Across Corner Min.	Across Flat	Thickness	Ctsk. Diameter Min.	C/Bore Dia. +0.0/-0.25	Rec. Hole Size in Panel	Proj. Height ±0.075	Pilot Height ±0.13	Reference	Reference	Proj. Width ±0.25	Ford Part Number	Proj. Height ±0.075	Pilot Height ±0.13	Reference	Reference	Proj. Width ±0.25	Ford Part Number
M6	1.0	9.0	14.1	13.0 12.4	8.0 7.5	6.6	8.4	9.4	1.0	1.80	.80	2.3	3.4	N621523	0.45	0.70	0.25	3.7	3.4	N621533
M8	1.25	11.1	16.8	15.0 14.7	9.3 8.8	8.6	10.5	11.5	1.0	1.80	.80	2.5	3.9	N621524	0.45	0.70	0.25	4.8	3.9	N621534
M10	1.5	13.4	19.3	18.0 17.1	12.2 11.7	10.7	12.8	13.8	1.0	1.80	.80	3.4	4.7	N621525	0.55	1.00	0.45	5.4	4.7	N621535
M12	1.75	16.1	22.8	21.0 20.1	14.3 13.8	12.8	15.25	16.5	1.0	1.80	.80	4.5	5.5	N621526	0.65	1.20	0.55	6.3	5.5	N621536
M14	2.0	19.0	26.4	24.0 23.4	16.5 15.9	15.0	18.25	19.5	1.0	1.80	.80	5.7	6.3	N621527	0.65	1.20	0.55	8.1	6.3	N621537

Ford Weld Nuts (Prevailing Torque) - 3 Projection

Nominal Size	Thread Pitch mm/Thd								For Long Pilot						For Short Pilot					
		A	C	F	H	K	M		D	E	J	R	T		D	E	J	R	T	
		Pilot O.D. +0.00/-0.30	Across Corner Min.	Across Flat	Thickness	Ctsk. Diameter Min.	C/Bore Dia. +0.0/-0.25	Rec. Hole Size in Panel	Proj. Height ±0.075	Pilot Height ±0.13	Reference	Reference	Proj. Width ±0.25	Ford Part Number	Proj. Height ±0.075	Pilot Height ±0.13	Reference	Reference	Proj. Width ±0.25	Ford Part Number
M6	1.0	9.0	14.1	13.0 12.4	8.0 7.5	6.6	8.4	9.4	1.0	1.80	.80	2.3	3.4	N621563	0.45	0.70	0.25	3.7	3.4	N621573
M8	1.25	11.1	16.8	15.0 14.7	9.3 8.8	8.6	10.5	11.5	1.0	1.80	.80	2.5	3.9	N621564	0.45	0.70	0.25	4.8	3.9	N621574
M10	1.5	13.4	19.3	18.0 17.1	12.2 11.7	10.7	12.8	13.8	1.0	1.80	.80	3.4	4.7	N621565	0.55	1.00	0.45	5.4	4.7	N621575
M12	1.75	16.1	22.8	21.0 20.1	14.3 13.8	12.8	15.25	16.5	1.0	1.80	.80	4.5	5.5	N621566	0.65	1.20	0.55	6.3	5.5	N621576
M14	2.0	19.0	26.4	24.0 23.4	16.5 15.9	15.0	18.25	19.5	1.0	1.80	.80	5.7	6.3	N621567	0.65	1.20	0.55	8.1	6.3	N621577

Prevailing torque feature available in top lock or side lock style.

FORD HEX WELD NUTS



Ford Weld Nuts - 6 Projection

Nominal Size	Thread Pitch mm/Thd								For Long Pilot						For Short Pilot					
		A	C	F	H	K	M		D	E	J	R	T		D	E	J	R	T	
		Pilot O.D. +0.00/-0.30	Across Corner Min.	Across Flat	Thickness	Ctsk. Diameter Min.	C/Bore Dia. +0.0/-0.25	Rec. Hole Size in Panel	Proj. Height ±0.075	Pilot Height ±0.13	Reference	Reference	Proj. Width ±0.25	Ford Part Number	Proj. Height ±0.075	Pilot Height ±0.13	Reference	Reference	Proj. Width ±0.25	Ford Part Number
M6	1.0	9.0	14.1	13.0 12.4	8.0 7.5	6.6	8.4	9.4	1.0	1.80	.80	2.3	3.4	N621503	0.45	0.70	0.25	3.7	3.4	N621513
M8	1.25	11.1	16.8	15.0 14.7	9.3 8.8	8.6	10.5	11.5	1.0	1.80	.80	2.5	3.9	N621504	0.45	0.70	0.25	4.8	3.9	N621514
M10	1.5	13.4	19.3	18.0 17.1	12.2 11.7	10.7	12.8	13.8	1.0	1.80	.80	3.4	4.7	N621505	0.55	1.00	0.45	5.4	4.7	N621515
M12	1.75	16.1	22.8	21.0 20.1	14.3 13.8	12.8	15.25	16.5	1.0	1.80	.80	4.5	5.5	N621506	0.65	1.20	0.55	6.3	5.5	N621516
M14	2.0	19.0	26.4	24.0 23.4	16.5 15.9	15.0	18.25	19.5	1.0	1.80	.80	5.7	6.3	N621507	0.65	1.20	0.55	8.1	6.3	N621517

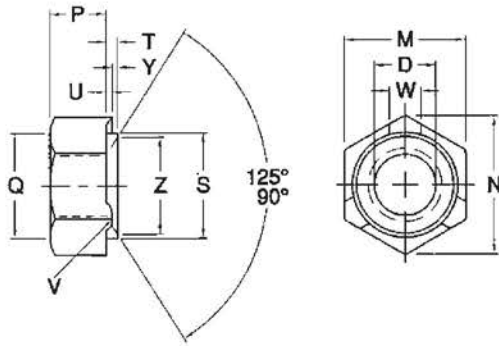
Ford Weld Nuts (Prevailing Torque) - 6 Projection

Nominal Size	Thread Pitch mm/Thd								For Long Pilot						For Short Pilot					
		A	C	F	H	K	M		D	E	J	R	T		D	E	J	R	T	
		Pilot O.D. +0.00/-0.30	Across Corner Min.	Across Flat	Thickness	Ctsk. Diameter Min.	C/Bore Dia. +0.0/-0.25	Rec. Hole Size in Panel	Proj. Height ±0.075	Pilot Height ±0.13	Reference	Reference	Proj. Width ±0.25	Ford Part Number	Proj. Height ±0.075	Pilot Height ±0.13	Reference	Reference	Proj. Width ±0.25	Ford Part Number
M6	1.0	9.0	14.1	13.0 12.4	8.0 7.5	6.6	8.4	9.4	1.0	1.80	.80	2.3	3.4	N621543	0.45	0.70	0.25	3.7	3.4	N621553
M8	1.25	11.1	16.8	15.0 14.7	9.3 8.8	8.6	10.5	11.5	1.0	1.80	.80	2.5	3.9	N621544	0.45	0.70	0.25	4.8	3.9	N621554
M10	1.5	13.4	19.3	18.0 17.1	12.2 11.7	10.7	12.8	13.8	1.0	1.80	.80	3.4	4.7	N621545	0.55	1.00	0.45	5.4	4.7	N621555
M12	1.75	16.1	22.8	21.0 20.1	14.3 13.8	12.8	15.25	16.5	1.0	1.80	.80	4.5	5.5	N621546	0.65	1.20	0.55	6.3	5.5	N621556
M14	2.0	19.0	26.4	24.0 23.4	16.5 15.9	15.0	18.25	19.5	1.0	1.80	.80	5.7	6.3	N621547	0.65	1.20	0.55	8.1	6.3	N621557

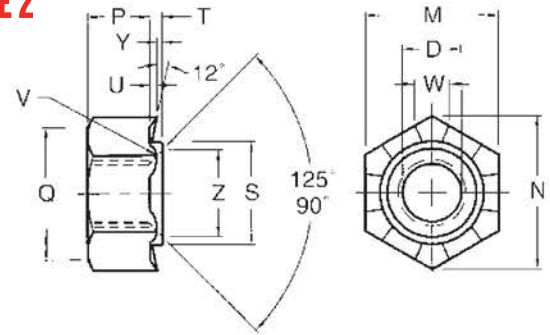
Prevailing torque feature available in top lock or side lock style.

GM HEX WELD NUTS

STYLE 1



STYLE 2

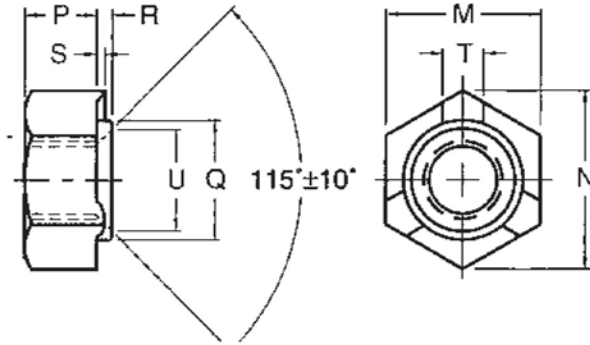


GM Type E Piloted Projection Weld Nuts

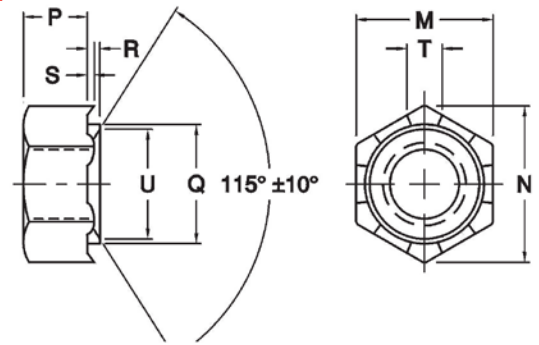
Nominal Size	Thread Pitch	D		M		N		P		Q	S		T	U	V	W	Y	Z		Recommended Hole Size	GM Part Numbers		
		Minor Diameter		Hexagon Width Across Flats		Hexagon Width Across Corners		Nut Thickness		Chamfer Diameter	Pilot Diameter		Pilot Height	Projection			Pilot Protrusion	Counter-Sink Diameter					
														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 Style 1	Thread Mask Style 1	Plain Style 2
M6	1	5.153	4.917	13.00	12.73	15.01	14.38	5.6	5.1	11.0	9.10	8.80	1.00 1.60	0.44 0.80	3.67 2.30	3.41	0.35 0.59	7.8	6.8	9.50	11503942 11504483	11514014 11514081	– –
M8	1.25	6.912	6.647	15.00	14.73	17.32	16.61	7.1	6.6	12.7	11.10	10.80	1.00 1.80	0.44 1.00	4.82 2.51	3.94	0.35 0.59	9.8	8.8	11.50	11504484 11504546	11514176 11514177	11509059 11509060
M8	1.25	6.912	6.647	15.00	14.73	17.32	16.61	9.50	9.00	12.7	11.10	10.80	1.00 1.80	0.44 1.00	4.82 2.51	3.94	0.35 0.59	9.8	8.8	11.50	11517400 11517403	11517407 11517410	– –
M10	1.50	8.676	8.376	18.00	17.73	20.78	20.03	7.7	8.2	15.3	13.60	13.30	1.16 1.80	0.55 1.00	5.43 3.41	4.74	0.40 0.59	12.3	11.0	14.00	11504485 11505140	11514082 11517065	11509061 11509062
M10	1.50	8.676	8.376	18.00	17.73	20.78	20.03	12.20	11.80	15.3	13.60	13.30	1.16 1.80	0.55 1.00	5.43 3.41	4.74	0.40 0.59	12.3	11.0	14.00	11517401 11517404	11517408 22637582	– –
M12	1.75	10.441	10.106	21.00	20.67	24.25	23.35	9.9	9.4	17.8	16.10	15.80	1.26 1.80	0.65 1.00	6.28 4.47	5.54	0.40 0.59	14.8	13.0	16.50	11504449 11504486	11514178 11514179	– –
M12	1.75	10.441	10.106	21.00	20.67	24.25	23.35	14.30	3.80	17.8	16.10	15.80	1.26 1.80	0.65 1.00	6.28 4.47	5.54	0.40 0.59	14.8	13.0	16.50	11517402 11517405	11517409 22637583	–
M14	2.00	12.210	11.835	24.00	23.67	27.71	26.75	11.5	11.0	20.4	19.10	18.80	1.26 1.80	0.65 1.00	8.12 5.70	6.34	0.40 0.59	17.8	15.0	19.50	11508337	–	–
M14	2.00	12.210	11.835	24.00	23.67	27.71	26.75	16.50	15.90	20.4	19.10	18.80	1.80	1.00	5.70		0.59				– 11517406	– 22637584	– –
M16	2.00	14.210	13.835	26.00	25.61	30.02	28.94	13.5	13.0	22.1	20.60	20.30	1.36	0.75	8.28	6.86	0.40	19.3	17.0	21.0	11508339	–	–

GM HEX WELD NUTS AMERICAN STANDARD

STYLE 1



STYLE 2



GM Type E Piloted Projection Weld Nuts – American Standard

Nominal Size	Thread Pitch	Thread Detail				M		N		P		Q	R	S	T	U	Recommended Hole Size	GM Part Numbers	
		Pitch Diameter		Minor Diameter		Nut Width		Across Corners		Nut Thickness		Pilot Diameter	Pilot Height	Projection Height	Projection Width	Countersink Diameter			
																		Steel	
		Min.	Max.	Min.	Max.	Max.	Min.	Max. Ref. +	Min.	Max.	Min.	Max.	+0.000 -0.012	±0.005	±0.003	±0.010		Max.	+0.000 -0.013
1/4	20	.2175	.2223	.196	.207	.500	.489	.58	.556	.198	.178	.406	.040	.025	.116	.368	.422	9415281	9417128
1/4	20	.2175	.2223	.196	.207	.500	.489	.58	.556	.198	.178	.406	.065	.040	.136	.368	.422	9417159	9417129
1/4	20	.2175	.2223	.196	.207	.500	.489	.58	.556	.198	.178	.406	.085	.040	.136	.368	.422	9417160	9417130
5/16	18	.2764	.2817	.252	.265	.562	.551	.65	.624	.229	.209	.469	.040	.025	.128	.431	.484	9415607	9417134
5/16	18	.2764	.2817	.252	.265	.562	.551	.65	.624	.229	.209	.469	.070	.040	.155	.431	.484	9417164	9417135
5/16	18	.2764	.2817	.252	.265	.562	.551	.65	.624	.229	.209	.469	.085	.040	.155	.431	.484	9417165	9417136
3/8	16	.3344	.3401	.307	.321	.625	.612	.72	.691	.260	.240	.531	.050	.030	.150	.493	.547	9417169	9417140
3/8	16	.3344	.3401	.307	.321	.625	.612	.72	.691	.260	.240	.531	.085	.040	.170	.493	.547	9417170	9417141
7/16	14	.3911	.3972	.360	.376	.750	.736	.87	.830	.322	.302	.656	.050	.030	.175	.618	.672	9417173	9417143
7/16	14	.3911	.3972	.360	.376	.750	.736	.87	.830	.322	.302	.656	.085	.040	.199	.618	.672	9417174	9417012
1/2	13	.4500	.4565	.417	.434	.812	.781	.94	.898	.385	.365	.719	.060	.035	.197	.681	.734	9417177	9417145
1/2	13	.4500	.4565	.417	.434	.812	.781	.94	.898	.385	.365	.719	.085	.040	.213	.681	.734	9417178	9417146