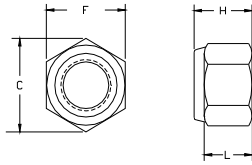


Nylon Insert Lock Nuts NE and NM Series


Dimensions for NM Series

Size	Width Across Flats	Width Across Corners Ref.	Thickness	Hex Height Ref.
	F	C	H	L
#2	.251/.241	.268	.153/.133	.081
#3	.251/.241	.268	.153/.133	.081
#4	.251/.241	.268	.153/.133	.081
#5	.251/.241	.268	.153/.133	.081
#6	.313/.302	.339	.188/.168	.103
#8	.345/.332	.374	.239/.219	.140
#10	.376/.362	.410	.249/.229	.140
#12	.439/.423	.482	.328/.298	.225

Dimension for NE Series

Size	Width Across Flats	Width Across Corners Ref.	Thickness	Hex Height Ref.
	F	C	H	L
1/4	.439/.428	.482	.328/.298	.225
5/16	.502/.489	.552	.359/.329	.250
3/8	.564/.551	.622	.468/.438	.335
7/16	.627/.616	.698	.468/.438	.324
1/2	.752/.736	.837	.609/.579	.464
9/16	.877/.861	.978	.656/.626	.469
5/8	.940/.922	1.051	.765/.735	.593
3/4	1.064/1.052	1.191	.890/.860	.742
7/8	1.252/1.239	1.403	.999/.969	.790
1	1.440/1.427	1.615	1.078/1.016	.825
1 1/8	1.627/1.614	1.826	1.208/1.141	.930
1 1/4	1.815/1.788	2.038	1.422/1.360	1.125
1 3/8	2.008/1.973	2.232	1.609/1.547	1.282
1 1/2	2.197/2.159	2.444	1.640/1.576	1.313

The recommended torques listed below are based on using the zinc plated locknuts on a bolt or stud of equal strength. Torques are listed in ft-lbs unless otherwise noted.

Coarse Thread (UNC)

Size	Thread Pitch	Grade A or 2	Grade B or 5	Grade C or 8
#2	56	3 in-lb	6 in-lb	7 in-lb
#3	48	4 in-lb	9 in-lb	11 in-lb
#4	40	6 in-lb	12 in-lb	15 in-lb
#5	40	9 in-lb	18 in-lb	22 in-lb
#6	32	11 in-lb	23 in-lb	28 in-lb
#8	32	21 in-lb	41 in-lb	52 in-lb
#10	24	30 in-lb	60 in-lb	75 in-lb
#12	24	47 in-lb	94 in-lb	117 in-lb
1/4	20	5	7	11
5/16	18	9	15	21
3/8	16	16	27	37
7/16	14	27	43	57
1/2	13	41	61	88
9/16	12	58	87	125
5/8	11	79	121	175
3/4	10	140	215	311
7/8	9	148	349	492
1	8	199	511	719
1 1/8	7	275	640	1100
1 1/4	7	395	890	1420
1 3/8	6	515	1156	1877
1 1/2	6	695	1589	2555

Fine Thread (UNF)

Size	Thread Pitch	Grade A or 2	Grade B or 5	Grade C or 8
#2	60	3 in-lb	6 in-lb	7 in-lb
#3	56	5 in-lb	9 in-lb	12 in-lb
#4	48	7 in-lb	13 in-lb	17 in-lb
#5	44	9 in-lb	19 in-lb	23 in-lb
#6	40	13 in-lb	25 in-lb	31 in-lb
#8	36	22 in-lb	43 in-lb	54 in-lb
#10	32	34 in-lb	68 in-lb	85 in-lb
#12	28	50 in-lb	100 in-lb	125 in-lb
1/4	28	6	8	12
5/16	24	10	17	24
3/8	24	17	30	42
7/16	20	28	47	61
1/2	20	45	69	95
9/16	18	63	99	141
5/8	18	90	135	205
3/4	16	150	280	348
7/8	14	160	388	560
1	14	225	591	790
1 1/8	12	325	710	1190
1 1/4	12	440	970	1535
1 3/8	12	575	1340	2124
1 1/2	12	770	1858	2718



Nylon Insert Lock Nuts NE and NM Series

Nut Size and Threads per Inch	Carbon Steel, Grade 2 & Grade A Nuts					Grade 5 & Grade B Nuts					Grade 8 & Grade C Nuts				
	Prevailing Torque					Prevailing Torque					Prevailing Torque				
	First Install in-lb max	First Removal		Fifth Removal		First Install in-lb max	First Removal		Fifth Removal		First Install in-lb max	First Removal		Fifth Removal	
High-est Reading min in-lb		Low-est Reading min in-lb	High-est Reading min in-lb	Low-est Reading min in-lb	High-est Reading min in-lb		Low-est Reading min in-lb	High-est Reading min in-lb	Low-est Reading min in-lb	High-est Reading min in-lb		Low-est Reading min in-lb	High-est Reading min in-lb	Low-est Reading min in-lb	
Coarse Thread Series															
4 – 40	3.0	1.0	0.5	0.5	0.2	3.0	1.0	0.5	0.5	0.2	4.0	1.0	0.5	0.5	0.2
6 – 32	6.0	1.5	0.5	1.0	0.5	8.0	1.5	0.5	1.0	0.5	8.0	2.0	1.0	1.5	0.5
8 – 32	9.0	2.0	1.0	1.5	0.5	12	2.0	1.0	1.5	0.5	12	2.5	1.0	2.0	1.0
10 – 24	13	2.5	1.0	2.0	1.0	13	2.5	1.0	2.0	1.0	17	3.5	1.5	2.5	1.0
12 – 24	20	3.5	1.5	2.5	1.0	20	3.5	1.5	2.5	1.0	27	4.5	2	3.0	1.5
1/4 – 20	30	5.0	2.5	3.5	1.5	30	5.0	2.5	3.5	1.5	40	6.0	6	4.5	2
5/16 – 18	60	8.0	4	5.5	2.5	60	8.0	4	5.5	2.5	80	10.5	5	7.5	3
3/8 – 16	80	12	5	8.5	4	80	12	5	8.5	4	110	16	7.5	11.5	5
7/16 – 14	100	17	7.5	12	5	100	17	7.5	12	5	135	23	10	16	7.5
1/2 – 13	150	22	10	15	7.5	150	22	10	15	7.5	17*	30	15	20	10
9/16 – 12	*ft-lb 17*	30	15	21	10	*ft-lb 17*	30	15	21	10	*ft-lb 25*	40	20	28	12.5
5/8 – 11	25*	39	17.5	27	12.5	25*	39	17.5	27	12.5	35*	52	25	36	15
3/4 – 10	35*	58	25	41	20	35*	58	25	41	20	45*	78	35	54	25
7/8 – 9	50*	88	40	62	30	50*	88	40	62	30	70*	117	50	82	40
1 – 8	70*	120	60	84	40	70*	120	60	84	40	90*	160	80	112	50
1 1/8 – 7	75*	150	70	105	50	75*	150	70	105	50	100*	200	100	140	70
1 1/4 – 7	85*	188	90	132	60	85*	188	90	132	60	110*	250	120	176	80
1 3/8 – 6	100*	220	110	154	70	100*	220	110	154	70	135*	293	140	205	100
1 1/2 – 6	110*	260	130	182	90	110*	260	130	182	90	150*	346	170	242	120
Fine Thread Series															
4 – 48	3.0	1.0	0.5	0.5	0.2	3.0	1.0	0.5	0.5	0.2	4.0	1.0	0.5	0.5	0.2
6 – 40	6.	1.5	0.5	1.0	0.5	8.0	1.5	0.5	1.0	0.5	8.0	2.0	1.0	1.0	0.5
8 – 36	9.0	2.0	1.0	1.5	0.5	12	2.0	1.0	1.5	0.5	12	2.5	1.0	2.0	1.0
10 – 32	13	2.5	1.0	2.0	1.0	13	2.5	1.5	2.0	1.0	17	3.5	1.5	2.5	1.0
12 – 28	20	3.5	1.5	2.5	1.0	20	3.5	1.5	2.5	1.0	27	4.5	2	3.0	1.5
1/4 – 28	30	5	2.5	3.5	1.5	30	5.0	2.5	3.5	1.5	40	6.0	3	4.5	2
5/16 – 24	60	8	4	5.5	2.5	60	8.0	4	5.5	2.5	80	10.5	5	7.5	3
3/8 – 24	80	12	5	8.5	4	80	12	5	8.5	4	110	16	7.5	11.5	5
7/16 – 20	100	17	7.5	12	5	100	17	7.5	12	5	135	23	10	16	7.5
1/2 – 20	150	22	10	15	7.5	150	22	10	15	7.5	17*	30	15	20	10
9/16 – 18	*ft-lb 17*	30	15	21	10	*ft-lb 17*	30	15	21	10	*ft-lb 25*	40	20	28	12.5
5/8 – 18	25*	39	17.5	27	12.5	25*	39	17.5	27	12.5	35*	52	25	36	15
3/4 – 16	35*	58	25	41	20	35*	58	25	41	20	45*	78	35	54	25
7/8 – 14	50*	88	40	62	30	50*	88	40	62	30	70*	117	50	82	40
1 – 14	70*	120	60	84	40	70*	120	60	84	40	90*	160	80	112	50
1 – 12	70*	120	60	84	40	70*	120	60	84	40	90*	160	80	112	50
1 1/8 – 12	75*	150	70	105	50	75*	150	70	105	50	100*	200	100	140	70
1 1/4 – 12	85*	188	90	132	60	85*	188	90	132	60	110*	250	120	176	80
1 3/8 – 12	100*	220	110	154	70	100*	220	110	154	70	135*	293	140	205	100
1 1/2 – 12	110*	260	130	182	90	110*	260	130	182	90	150*	346	170	242	120