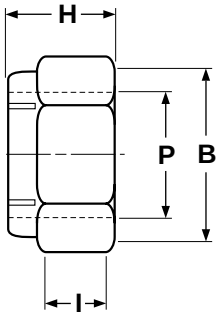
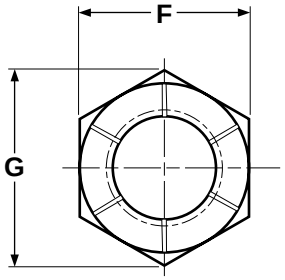
Flexloc® All-Metal Lock Nuts





FLEXLOC® LIGHT HEX THIN HEIGHT LOCK NUTS

SPS

Nominal Size or Basic Thread Diameter		F		B	G	H	P	I	Tensile Strength (psi.)	
		Width Across Flats		Bearing Surface Outside Diam.	Width Across Corners	Thickness	Bearing Surface Inside Diam.	Side Height	Coarse Thread	Fine Thread
		Max	Min	Min	Min	Max	Max	Min	Min	Min
6	0.138	0.313	0.305	0.305	0.347	0.141	0.181	0.036	1,270	1,420
8	0.164	0.345	0.336	0.336	0.383	0.188	0.208	0.070	1,960	2,060
10	0.190	0.376	0.367	0.367	0.419	0.188	0.230	0.065	2,340	2,800
1/4	0.250	0.439	0.430	0.430	0.491	0.219	0.293	0.075	4,450	5,090
5/16	0.3125	0.502	0.492	0.492	0.561	0.266	0.356	0.097	4,980	5,510
3/8	0.375	0.564	0.553	0.553	0.631	0.282	0.418	0.108	7,360	8,340
7/16	0.4375	0.627	0.616	0.616	0.703	0.328	0.487	0.138	10,100	11,300
7/16	0.4375	0.690	0.679	0.679	0.775	0.328	0.487	0.120	-	11,300
1/2	0.500	0.752	0.741	0.741	0.846	0.328	0.551	0.121	11,400	12,800
5/8	0.625	0.940	0.928	0.928	1.059	0.399	0.676	0.147	18,100	20,500
3/4	0.750	1.064	1.052	1.052	1.200	0.415	0.807	0.155	26,800	29,800
7/8	0.875	1.252	1.239	1.239	1.414	0.477	0.938	0.166	36,940	40,800
1	1.000	1.440	1.427	1.427	1.628	0.571	1.064	0.218	48,500	53,000

Description	An all-metal, one-piece, hex-shaped lock nut with a round collar at its back end. The collar is segmented with opposed slots cut into it above each corner of the nut. When the screw or bolt reaches the collar, the slotted portion expands which creates the prevailing torque locking action. The light hex, thin height variety is approximately 30% shorter than the full height nut.
Applications/ Advantages	The thin height light hex FlexLoc® nut is used when an insufficient number of projecting threads are present to use a full height nut, or when a lighter-weight nut is required. FlexLoc nuts maintain their locking strength through 15 removals and re-applications, and at temperatures up to 550°F (450°F if zinc or cadmium plated). They have superior resistance to vibration compared to all other lock nut varieties and do not gall threads.
Material	Carbon steel.
Tensile Strength	Minimum tensile strength requirements for carbon steel FlexLoc nuts are listed in above table.
Plating	Unless specified as plain steel, FlexLoc nuts are used with a zinc, zinc yellow or cadmium finish.

®FLEXLOC is a registered trademark of SPS Technologies, Inc.. Kanebridge's lock nuts are not manufactured by or connected with the producers of FLEXLOC® nuts.