



FLEXLOC® HEAVY HEX FULL HEIGHT LOCKNUTS										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		
		Max	Min	Min	Min	Max	Max	Min		
1/4	0.2500	0.502	0.492	0.492	0.561	0.290	0.293	0.094	5,730	
5/16	0.3125	0.564	0.553	0.553	0.631	0.321	0.356	0.113	9,600	
3/8	0.3750	0.627	0.616	0.616	0.703	0.384	0.418	0.144	13,800	
7/16	0.4375	0.752	0.741	0.741	0.846	0.446	0.487	0.163	14,900	
1/2	0.5000	0.814	0.803	0.803	0.917	0.509	0.551	0.196	22,000	
5/8	0.6250	1.002	0.990	0.990	1.130	0.634	0.676	0.216	34,000	
3/4	0.7500	1.127	1.115	1.115	1.271	0.759	0.807	0.245	50,000	
7/8	0.8750	1.314	1.301	1.301	1.484	0.884	0.938	0.397	64,600	
1	1.0000	1.502	1.489	1.489	1.699	1.009	1.064	0.462	85,000	

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.
Applications/Advantages	The full height heavy hex lock nut has the greatest locking capability and largest wrenching area of all FlexLoc® nuts. 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.

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