



DIN 6924 Locking Nuts

Leader-Fastener is a manufacturer and distributor of **DIN 6924 Locking Nuts**. We have a complete line of service from having invested in production plants, export department and to having a quality control team and center to meet your requirements. We regard quality as the life of the company. We persist in good quality as the first policy and have established a set of quality control and inspection system according to the international standard. We have carried out ISO9001 Quality Guarantee System in every course of production, transportation and selling. We do hope we could be your partner in business by topping quality, knight

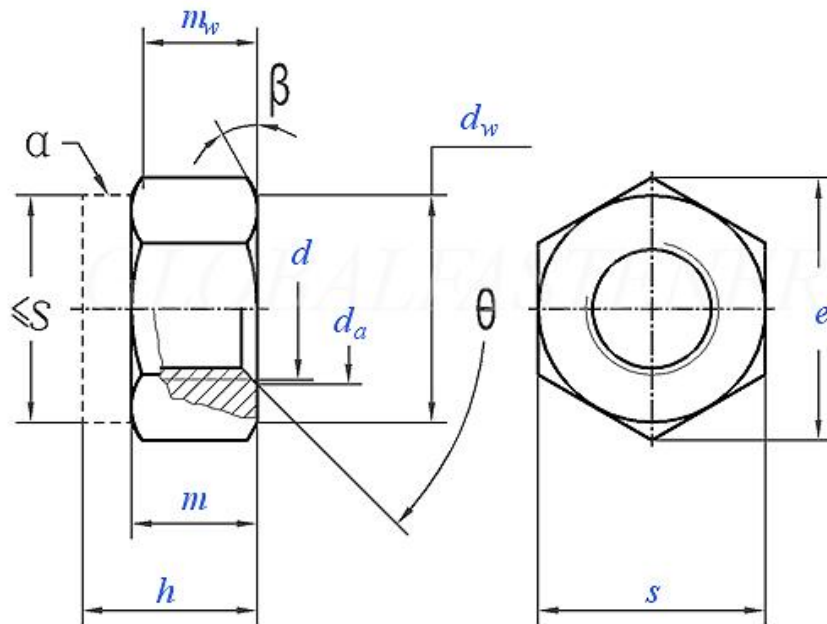
service and competitive price in the near future and be your friends as well.

DIN 6924 Self-Locking Heavy Locking Nuts, Nylon-Insert Lock Nuts, Nyloc Nuts or Stop Nuts, are locknuts with a nylon or fiber internal collar that increases friction on the screw thread. The screw thread does not cut into the nylon insert, however, the insert deforms elastically over the threads. Since the locking feature can be affected by heat, they are more correctly referred to as "Stop" nuts.

Product Specification of DIN 6924 Locking Nuts

Material : Carbon steel, Stainless steel, Alloy Steel, Brass.

Finishment: Black, Zinc Plated, Zinc Yellow, HDG, Phosphate, DACROMET, Geomet, Magin, Ruspert, Teflon, etc.

DIN 6924 - 1987 Prevailing Torque Type Hexagon Nuts With Non-Metallic Insert


α : Prevailing torque element, shanpe optional
 β : $\beta = 15^\circ \sim 30^\circ$
 θ : $\theta = 90^\circ \sim 120^\circ$

Thread Size		M3	M4	M5	M6	(M7)	M8	M10	M12	(M14)	M16	(M18)	
D													
P	Pitch	Coarse thread	0.5	0.7	0.8	1	1	1.25	1.5	1.75	2	2	2.5
		Fine thread	/	/	/	/	/	1	1	1.5	1.5	1.5	1.5
		Fine thread	/	/	/	/	/	/	-1.25	-1.25	/	/	/
d _a	min	3	4	5	6	7	8	10	12	14	16	18	
	max	3.45	4.6	5.75	6.75	7.75	8.75	10.8	13	15.1	17.3	19.5	
d _w	min	4.6	5.9	6.9	8.9	9.6	11.6	14.6	16.6	19.6	22.5	24.9	
e	min	6.01	7.66	8.79	11.05	12.12	14.38	17.77	20.03	23.35	26.75	29.56	
h	max	4.5	6	6.8	8	9	9.5	11.9	14.9	17	19.1	20.6	
	min	4.2	5.7	6.44	7.64	8.64	9.14	11.47	14.47	16.3	18.26	19.76	
m	min	2.15	2.9	4.4	4.9	6.14	6.44	8.04	10.37	12.1	14.1	15.1	
m _w	min	1.72	2.32	3.52	3.92	4.91	5.15	6.43	8.3	9.68	11.28	12.08	
s	max=nominal size	5.5	7	8	10	11	13	16	18	21	24	27	
	min	5.32	6.78	7.78	9.78	10.73	12.73	15.73	17.73	20.67	23.67	26.16	
per 1000 units≈kg		0.4	1.1	1.4	3.1	3.2	6	11.7	16.6	21	37.8	51.6	

Thread Size		M20	(M22)	M24	(M27)	M30	(M33)	M36	(M39)	M42	(M45)	M48	
D													
P	Pitch	Coarse thread	2.5	2.5	3	3	3.5	3.5	4	4	4.5	4.5	5
		Fine thread	1.5	1.5	2	2	2	2	3	3	3	3	3
		Fine thread	/	/	/	/	/	/	/	/	/	/	/
d _a	min	20	22	24	27	30	33	36	39	42	45	48	
	max	21.6	23.7	25.9	29.1	32.4	35.6	38.9	42.1	45.4	48.6	51.8	
d _w	min	27.7	31.4	33.2	38	42.7	46.6	51.1	55.9	59.9	64.7	69.4	
e	min	32.95	37.29	39.55	45.2	50.85	55.37	60.79	66.44	72.09	76.95	82.6	
h	max	22.8	24.5	27.1	31	32.6	35.5	38.9	42	45	48	50	
	min	21.5	23.2	25.8	29.4	31	33.9	37.3	40.4	43.4	46.4	48.4	
m	min	16.9	18.1	20.2	22.5	24.3	27.4	29.4	31.8	34	36	38	
m _w	min	13.52	14.48	16.16	18	19.44	21.92	23.52	25.44	27.2	28.8	30.4	
s	max=nominal size	30	34	36	41	46	50	55	60	65	70	75	
	min	29.16	33	35	40	45	49	53.8	58.8	63.1	68.1	73.1	
per 1000 units≈kg		68	86	127	182	273	296	380	505	630	814	995	

Material:

a) Steel (nut body) ,Property class (material): For size up to M39: 5, 6; For size up to M16: 8, 10 and 12; For size over M39, subject to agreement. As specified in ISO 898-2 and DIN 267-23

b) Material (insert): Nonmetallic, e.g. polyamide

Note: Property class 6 only for fine pitch thread nut