DIN 985 Locking Nuts

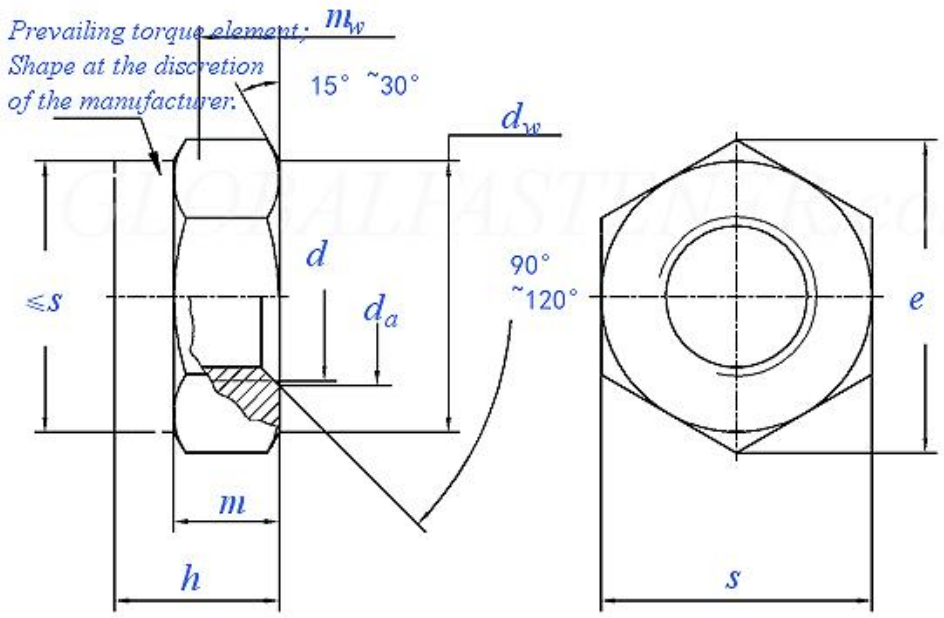
Leader-Fastener is a manufacturer and distributor of **DIN 985 Locking Nuts.** We have a complete line of service from having invested in production plants, export department and to having a quality control team and center to meet your requirements. We regard quality as the life of the company. We persist 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.

Metric **DIN 985 nylon insert locking nuts** low profile are prevailing torque type lock nuts which have a permanent undersized non metallic insert (nylon/polyamide) that produces friction between threads of mated components thereby increasing the resistance to loosening forces. Nylon insert lock nuts may be re-used a limited number of times because the threads of the mating bolt deform but do not cut into the polymer insert. These nuts are considered one-way lock nuts because they can only be installed one-way—top up. The nylon insert limits the use at elevated temperatures or when exposed to certain chemicals.

Product Specification of DIN 985 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 985 - 1987 Prevailing Torque Type Hexagon Thin Nuts With Non-Metallic Insert



Thread Size D			M3	M4	M5	M6	M7	M8	M10	M12	M14	M16	M18
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	1.5	1.5	1.5	2
		Fine thread 2	/	/	/	/	/	/	1.25	1.25	/	/	1.5
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	15.6	17.4	20.5	22.5	24.9
e	min		6.01	7.66	8.79	11.05	12.12	14.38	18.9	21.1	24.49	26.75	29.56
h	max=nominal size		4	5	5	6	7.5	8	10	12	14	16	18.5
	min		3.7	4.7	4.7	5.7	7.14	7.64	9.64	11.57	13.3	15.3	17.66
m	min		2.4	2.9	3.2	4	4.7	5.5	6.5	8	9.5	10.5	13
m_w	min		1.65	2.2	2.75	3.3	3.85	4.4	5.5	6.6	7.7	8.8	9.9
s	max=nominal size		5.5	7	8	10	11	13	17	19	22	24	27
	min		5.32	6.78	7.78	9.78	10.73	12.73	16.73	18.67	21.67	23.67	26.16
per 1000 units≈kg			0.5	1	1.4	2.4	3	5.1	10.6	17.2	26	34	45

Thread Size D			M20	M22	M24	M27	M30	M33	M36	M39	M42	M45	M48
P	Pitch	Coarse thread	2.5	2.5	3	3	3.5	3.5	4	4	4.5	4.5	5

		Fine thread 1	2	2	2	2	2	2	3	3	3	3	3
		Fine thread 2	1.5	1.5	/	/	/	/	/	/	/	/	/
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	29.5	33.2	38	42.7	46.6	51.1	55.9	60.6	64.7	69.4
e	min		32.95	35.03	39.55	45.2	50.85	55.37	60.79	66.44	72.09	76.95	82.6
h	max=nominal size		20	22	24	27	30	33	36	39	42	45	48
	min		18.7	20.7	22.7	25.7	28.7	31.4	34.4	37.4	40.4	43.4	46.4
m	min		14	15	15	17	19	22	25	27	29	32	36
m_w	min		11	12.2	13.2	14.8	16.5	18.2	19.8	21.5	23.1	24.8	26.5
s	max=nominal size		30	32	36	41	46	50	55	60	65	70	75
	min		29.16	31	35	40	45	49	53.8	58.8	63.8	68.1	73.1
per 1000 units≈kg			65	75	100	162	212	317	415	499	628	771	998

①,Product Grade:

≤ M 16: Class A

> M 16: Class B

②,Material:

Steel, Property class: ≤ M39: 5，6*，8，10; > M39: By Agreement. Standard DIN 267-4

* Only for nuts with fine thread

Material (insert): Nonmetallic, e.g. ployamide