DIN 439-2 Hex Nut

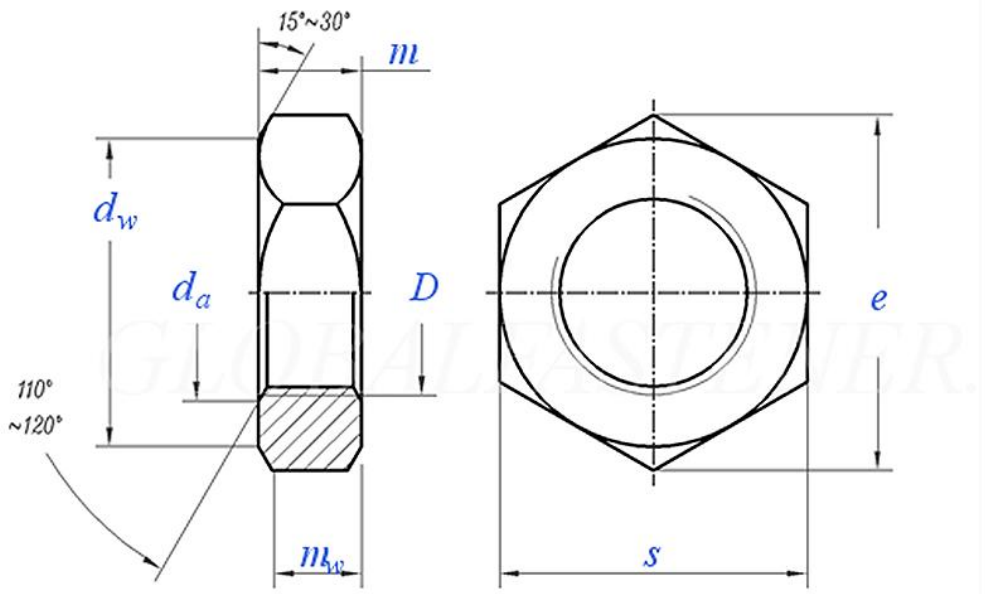
Leader Fastener is acknowledged as a manufacturer, exporter & suppliers of **DIN 439-2 Hex Nuts** For High Strength Struc. We have a complete line of service from having invested in production plants, export department and to having a quality control team and center to meet your requirements. We regard 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 439 Hex Nut** are thin hexagonal jam nuts with a thickness of 0.5 x diameter. A hex jam nut is a low-profile type of hex nut, typically about half as thick as a regular hex nut. It is often used as a lock nut, where it is threaded up against a standard nut locking it in place. Also in circumstances where a standard nut is too thick for an application, a hex jam nut can be a very useful alternative. Metric **DIN 439 thin hex jam nuts** are available unchamfered (Type A) and chamfered (Type B).

Product Specification of DIN 439-2 Hex Nut

Material : Carbon steel, Stainless steel, Alloy Steel, Brass.
Finishment: Black, Zinc Plated, Zinc Yellow, HDG, Phosphate, DACROMET, Geomet, Magin, Ruspert, Teflon, etc.

DIN 439 (-2) - 1987 Chamfered Hexagon Thin Nuts—Product Grades A and B



Thread Size D			M1.6	(M1.8)	M2	M2.5	M3	(M3.5)	M4	M5	M6	M8	M10	M12	(M14)	M16
P	pitch	Coarse thread	0.35	0.35	0.4	0.45	0.5	0.6	0.7	0.8	1	1.25	1.5	1.75	2	2
		Fine thread 1	/	/	/	/	/	/	/	/	/	1	1	1.5	1.5	1.5
		Fine thread 2	/	/	/	/	/	/	/	/	/	/	1.25	1.25	/	/
		Fine thread 3	/	/	/	/	/	/	/	/	/	/	/	/	/	/
d_a	min		1.6	1.8	2	2.5	3	3.5	4	5	6	8	10	12	14	16
	max		1.84	2.06	2.3	2.9	3.45	4	4.6	5.75	6.75	8.75	10.8	13	15.1	17.3
d_w	min		2.4	2.7	3.1	4.1	4.6	5.1	5.9	6.9	8.9	11.6	15.6	17.4	20.5	22.5
e	min		3.48	3.82	4.32	5.45	6.01	6.58	7.66	8.79	11.05	14.38	18.9	21.1	24.49	26.75
m	max=nominal size		1	1.1	1.2	1.6	1.8	2	2.2	2.7	3.2	4	5	6	7	8
	min		0.75	0.85	0.95	1.35	1.55	1.75	1.95	2.45	2.9	3.7	4.7	5.7	6.42	7.42
m_w	min		0.6	0.68	0.76	1.08	1.24	1.4	1.56	1.96	2.32	2.96	3.76	4.56	5.14	5.94
s	max=nominal size		3.2	3.5	4	5	5.5	6	7	8	10	13	17	19	22	24
	min		3.08	3.38	3.82	4.82	5.32	5.82	6.78	7.78	9.78	12.73	16.73	18.67	21.67	23.67
per			0.06	0.08	0.11	0.22	0.29	0.37	0.57	0.83	1.6	3.2	7.2	10.4	15.9	20.5

1000 units ≈ kg																

Thread Size D			(M18)	M20	(M22)	M24	(M27)	M30	(M33)	M36	(M39)	M42	(M45)	M48	(M52)
P	pitch	Coarse thread	2.5	2.5	2.5	3	3	3.5	3.5	4	4	4.5	4.5	5	5
		Fine thread 1	1.5	2	1.5	2	2	2	2	3	3	3	3	3	3
		Fine thread 2	2	1.5	2	1.5	/	/	/	2	2	2	2	2	2
		Fine thread 3	/	/	/	/	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
d_a	min		18	20	22	24	27	30	33	36	39	42	45	48	52
	max		19.5	21.6	23.8	25.9	29.2	32.4	35.6	38.9	42.1	45.4	48.6	51.8	56.2
d_w	min		24.9	27.7	29.5	33.2	38	42.7	46.6	51.1	55.9	60	64.7	69.4	74.2
e	min		29.56	32.95	35.03	39.55	45.2	50.85	55.37	60.79	66.44	71.3	76.95	82.6	88.25
m	max=nominal size		9	10	11	12	13.5	15	16.5	18	19.5	21	22.5	24	26
	min		8.42	9.1	9.9	10.9	12.4	13.9	15.4	16.9	18.2	19.7	21.2	22.7	24.7
m_w	min		6.74	7.28	7.92	8.72	9.9	11.1	12.3	13.5	14.6	15.8	17	18.2	19.8
s	max=nominal size		27	30	32	36	41	46	50	55	60	65	70	75	80
	min		26.16	29.16	31	35	40	45	49	53.8	58.8	63.1	68.1	73.1	78.1
per 1000 units ≈ kg			29.6	40.2	48.3	69.5	101	139	183	244	316	403	500	617	755

①,Product Grade:

For sizes up to M16: A ;

For larger sizes: B .

②,Material:

a)Steel, Mechanical properties: Property class(material) for size M2.5 or less 14H; for size M3 up to M39 04 or 05; for size above M39 subject to agreement. As specified in ISO 898-2 DIN 267-23 and DIN 267-24.

b)Stainless steel for size up to M20 A2-70; M20~M39 A2-50; >M39 subject to agreement. DIN 267-11;

c)Non-ferrous metals, E.g. CU2 or CU3. DIN 267-18