



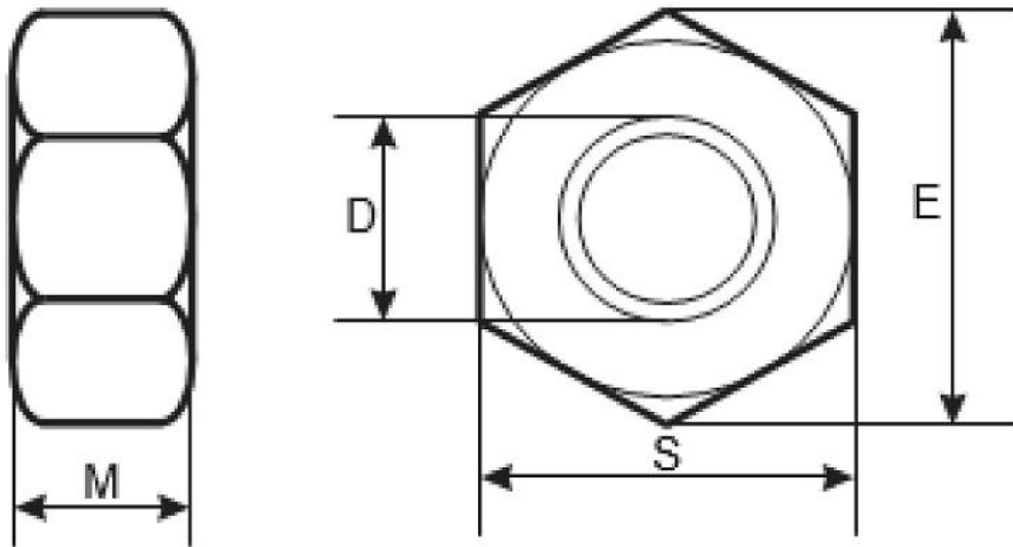
### DIN 934 Hex Nut

Leader-Fastener is a manufacturer and distributor of DIN 934 Hex Nut. 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 934 Hex Nut** with their internal machine screw threads, are the most common type of nut in use and are mated with virtually all externally threaded fasteners that have machine screw threads. Their nominal (maximum) thickness is about 0.8 times their nominal size (denoted as  $\sim 0.8d$ ), so an M10 hex nut has a thickness of 8 mm. Class 6, 8 and 10 steel, and Class 50 (uncommon sizes), Class 70 (A2-70, A4-70), Class 80 (A4-80) stainless steel hex nuts are available. A2 stainless steel is comparable to 18-8 and A4 is equivalent to 316. Coarse threads are standard, but some are available with fine and extra fine threads; right-hand threads are typical. Plain finish, which lacks a rust inhibiting surface treatment, and zinc plated are common finishes for steel. Thread tolerance is 6H for plain finish and plated steel and stainless steel. The strength grade (Class) of the nut should always be equal to or greater than that of the screw. **DIN 934 Hex Nuts** are similar to ISO 4032, Style 1; JIS B1181; and ANSI B18.2.4.1M, Style 1. If you need a thin (reduced height) nut and can tolerate reduced strength, consider DIN 439 B.

## Product Specification of **DIN 934 Hex Nut**



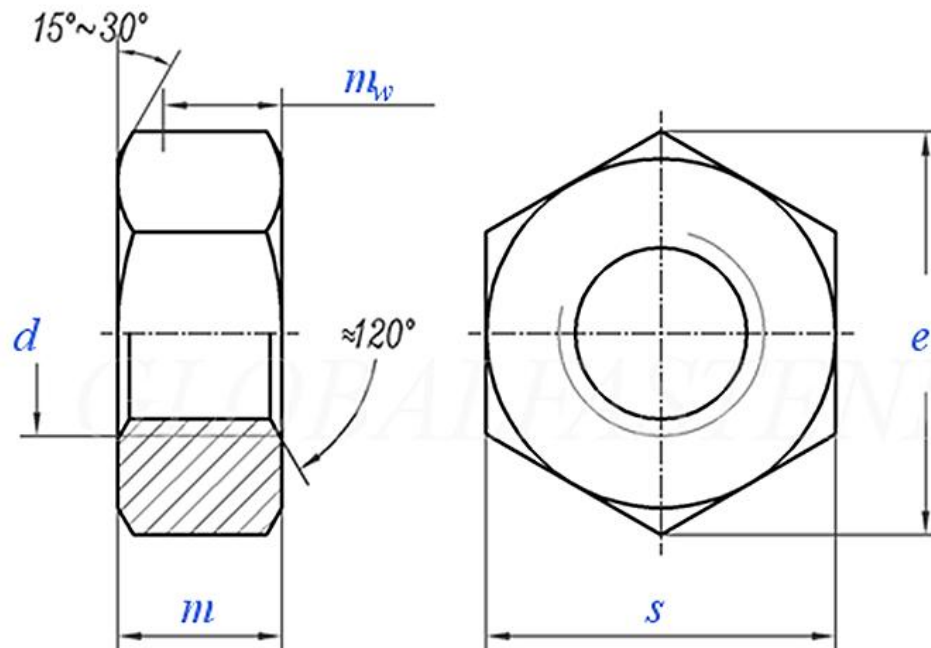
Thread D		M1.6	M2	M2.5	M3.0	M3.5	M4	M5	M6	M8	M10	M12	M14	M16	M18
P		0.35	0.4	0.45	0.5	0.6	0.7	0.8	1	1.25	1.5	1.75	2	2	2.5
E	Min.	3.4	4.3	5.5	6.0	6.0	7.7	8.8	11.1	14.4	17.8	20.0	23.4	26.8	29.6
	Max.	1.3	1.6	2.0	2.4	2.4	3.2	4.7	5.2	6.8	8.4	10.8	12.8	14.8	15.8
M	Min.	1.1	1.4	1.8	2.2	2.2	2.9	4.4	4.9	6.4	8.0	10.4	12.1	14.1	15.1
	Max.	3.2	4.0	5.0	5.5	5.5	7.0	8.0	10.0	13.0	16.0	18.0	21.0	24.0	27.0
S	Min.	3.0	3.8	4.8	5.3	5.3	6.8	7.8	9.8	12.7	15.7	17.7	20.7	23.7	26.2
	Max.														

Thread D		M20	M22	M24	M27	M30	M33	M36	M39	M42	M45	M48	M52	M56	M60	M64
P		2.5	2.5	3	3	3.5	3.5	4	4	4.5	4.5	5	5	5.5	5.5	6
E	Min.	33.0	37.3	39.6	45.2	50.9	55.4	60.8	66.4	71.3	77.0	82.6	88.3	93.6	99.2	104.9
	Max.	18.0	19.4	21.5	23.8	25.6	28.7	31.0	33.4	34.0	36.0	38.0	42.0	45.0	48.0	51.0
M	Min.	16.9	18.1	20.2	22.5	24.3	27.4	29.4	31.8	32.4	34.4	36.4	40.4	43.4	46.4	49.1
	Max.	30.0	34.0	36.0	41.0	46.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0
S	Min.	29.2	33.0	35.0	40.0	45.0	49.0	53.8	58.8	63.1	68.1	73.1	78.1	82.8	87.8	92.8
	Max.															

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

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

## DIN 934 - 1987 Hexagon Nuts With Metric Coarse And Fine Pitch thread, Product Classes A and B



Thread Size		M1	M1.2	M1.4	M1.6	(M1.7)	M2	(M2.3)	M2.5	(M2.6)	M3	(M3.5)	M4	M5	M6	(M7)	M8		
d																			
P	Pitch	Coarse thread	0.25	0.25	0.3	0.35	0.35	0.4	0.45	0.45	0.45	0.5	0.6	0.7	0.8	1	1	1.25	
		Fine thread-1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	1
		Fine thread-2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
m	max=nominal size	0.8	1	1.2	1.3	1.4	1.6	1.8	2	2	2.4	2.8	3.2	4	5	5.5	6.5		
	min	0.55	0.75	0.95	1.05	1.15	1.35	1.55	1.75	1.75	2.15	2.55	2.9	3.7	4.7	5.2	6.14		
mw	min	0.44	0.6	0.76	0.84	0.92	1.08	1.24	1.4	1.4	1.72	2.04	2.32	2.96	3.76	4.16	4.91		
s	max=nominal size	2.5	3	3	3.2	3.5	4	4.5	5	5	5.5	6	7	8	10	11	13		
	min	2.4	2.9	2.9	3.02	3.38	3.82	4.32	4.82	4.82	5.32	5.82	6.78	7.78	9.78	10.73	12.73		
e ①	min	2.71	3.28	3.28	3.41	3.82	4.32	4.88	5.45	5.45	6.01	6.58	7.66	8.79	11.05	12.12	14.38		
	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
per 1000 units*kg		0.03	0.054	0.063	0.076	0.1	0.142	0.2	0.28	0.72	0.384	0.514	0.81	1.23	2.5	3.12	5.2		

Thread Size		M10	M12	(M14)	M16	(M18)	M20	(M22)	M24	(M27)	M30	(M33)	M36	(M39)	M42	(M45)	M48	
d																		
P	Pitch	Coarse thread	1.5	1.75	2	2	2.5	2.5	2.5	3	3	3.5	3.5	4	4	4.5	4.5	5
		Fine thread-1	1	1.5	1.5	1.5	1.5	2	1.5	2	2	2	2	3	3	3	3	3
		Fine thread-2	1.25	1.25	/	/	2	1.5	2	/	/	/	/	/	/	/	/	/
m	max=nominal size	8	10	11	13	15	16	18	19	22	24	26	29	31	34	36	38	
	min	7.64	9.64	10.3	12.3	14.3	14.9	16.9	17.7	20.7	22.7	24.7	27.4	29.4	32.4	34.4	36.4	
mw	min	6.11	7.71	8.24	9.84	11.44	11.92	13.52	14.16	16.56	18.16	19.76	21.92	23.52	25.9	27.5	29.1	
s	max=nominal size	17	19	22	24	27	30	32	36	41	46	50	55	60	65	70	75	
	min	16.73	18.67	21.67	23.67	26.16	29.16	31	35	40	45	49	53.8	58.8	63.1	68.1	73.1	
e ①	min	18.9	21.1	24.49	26.75	29.56	32.95	35.03	39.55	45.2	50.85	55.37	60.79	66.44	71.3	76.95	82.6	
	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
per 1000 units*kg		11.6	17.3	25	33.3	49.4	64.4	79	110	165	223	288	393	502	652	800	977	

Thread Size		(M52)	M56	(M60)	M64	(M68)	M72	(M76)	M80	(M85)	M90	M100	M110	M125	M140	M160	
d																	
P	Pitch	Coarse thread	5	5.5	5.5	6	6	/	/	/	/	/	/	/	/	/	
		Fine thread-1	3	4	4	4	/	6	6	6	6	6	6	6	6	6	6
		Fine thread-2	/	/	/	/	4	4	4	4	4	4	4	4	4	/	/
m	max=nominal size		42	45	48	51	54	58	61	64	68	72	80	88	100	112	128
	min		40.4	43.4	46.4	49.1	52.1	56.1	59.1	62.1	66.1	70.1	78.1	85.8	97.8	109.8	125.5
mw	min		32.3	34.7	37.1	39.3	41.7	44.9	47.3	49.7	52.9	56.1	62.5	68.6	78.2	87.8	100
s	max=nominal size		80	85	90	95	100	105	110	115	120	130	145	155	180	200	230
	min		78.1	82.8	87.8	92.8	97.8	102.8	107.8	112.8	117.8	127.5	142.5	152.5	177.5	195.4	225.4
e ①	min		88.25	93.56	99.21	104.86	110.51	116.16	121.81	127.46	133.11	144.08	161.02	172.32	200.57	220.8	254.7
	*		-	-	-	-	-	-	-	-	-	-	170	196	216	248	
per 1000 units≈kg			1220	1420	1690	1980	2300	2670	3040	3440	3930	4930	6820	8200	13000	17500	26500

①,\* In the case of sizes of M110 or more, the hexagon edges may be radiused.

②,This standard has been replaced by ISO 4032, ISO 8673 and ISO 8674

③,Material:

a)Steel, Property class: ≤M2.5: 6; M3~M39:6,8,10; > M39:subject to agreement. Standard DIN 267-4

b)Stainless steel, Property class: ≤M39: A2-70, A4-70; >M39: subject to agreement. Standard DIN 267-11

c)Non-ferrous metal, Property class: subject to agreement. Standard DIN 267-18