

Hexagon nut*

Steel cl. 6 - cl. 8

DIN 934 - Whitworth

Designation:

hexagon nut \varnothing 1/2", Whitworth thread = DIN 934 \varnothing 1/2" WW.

d	s	e	m	Weights in kg per 1000 pieces	Pack
1/8	6	6,92	2,4	0,38	500
5/32	7	8,07	3,2	0,81	
3/16	9	10,4	4	1,23	
1/4	11	12,7	5,5	3,00	200
5/16	14	16,2	6,5	5,80	
3/8	17	19,6	8	10,8	
7/16	19	21,9	9,5	15,2	100
1/2	22	25,4	11	24,3	
5/8	27	31,2	13	42,3	50
3/4	32	36,9	16	72,8	
7/8	36	41,6	18	98,7	
1"	41	47,3	20	139	
1" 1/8	46	53,1	22	196	
1" 1/4	50	57,7	25	259	
1" 3/8	55	63,5	28	354	
1" 1/2	60	69,3	30	443	
1" 5/8	65	75,0	32	560	
1" 3/4	70	80,8	35	709	
1" 7/8	75	86,5	38	889	
2"	80	92,4	40	1060	

* UNC and UNF threaded nuts: see NMG 301 (UNC) and NMG 302 (UNF) page 198.

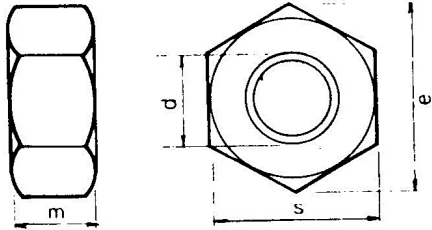
Execution:

cut from the bar or cold forged, according to the manufacturer's preference.

Thread:

tolerance "medium".





Hexagon nut (thickness 0,8 d)

Steel cl.6 - cl.8 - cl.10
Stainless steel
Brass (1)
Polyamide

DIN 934

Designation : hexagon nut, thickness 0,8 d, Ø 12 mm, normal metric draad = DIN 934 M12

d	s	e	m	Weight/mkg per 1000 pieces	Pack
M2	4	4,38	1,6	0,14	500
M2,5	5	5,51	2	0,28	
M3	5,5	6,08	2,4	0,38	
M4	7	7,74	3,2	0,81	200
M5	8	8,87	4	1,23	
M6	10	11,05	5	2,50	
M7	11	12,12	5,5	3,12	
M8	13	14,38	6,5	5,20	100
M10	17	18,90	8	11,6	
M12	19	21,10	10	17,3	
M14	22	24,49	11	25,0	
M16	24	26,75	13	33,3	50
M18	27	30,14	15	49,4	
M20	30	33,53	16	64,4	
M22	32	35,72	18	79,0	25
M24	36	39,98	19	110	
M27	41	45,63	22	165	
M30	46	51,28	24	223	
M33	50	55,80	26	288	
M36	55	61,31	29	393	
M39	60	66,96	31	502	
M42	65	72,61	34	652	
M45	70	78,26	36	800	
M48	75	83,91	38	977	
M52	80	89,56	42	1220	
M56	85	95,07	45	1420	
M60	90	99,21	48	1690	
M64	95	104,86	51	1980	
M68	100	110,51	54	2300	
M72 x 6	105	116,16	58	2670	
M76 x 6	110	121,81	61	3040	
M80 x 6	115	127,46	64	3440	
M85 x 6	120	133,11	68	3930	
M90 x 6	130	144,08	72	4930	
M100 x 6	145	161,02	80	6820	
M110 x 6	155	172,32	88	8200	
M125 X 6	180	200,57	100	13000	
M140 x 6	200	220,80	112	17500	
M160 x 6	230	254,70	128	26500	

(1) In case of brass, weights are to be multiplied by 1,08.

Execution : A (formerly m) ≤ M16 as per DIN ISO 4759/1
B (formerly mg) > M16 as per DIN ISO 4759/1

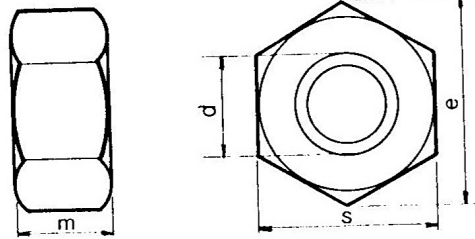
Thread : according to DIN 13/12 and 15 - tolerance class 6 H.

Conc. : nuts with thread tolerance "6 H", with or without protective coating. According to the thickness of the protective layer (f. ex. in case of plating as per DIN 267/9) an allowance on pitch diameter ("oversizing") shall be foreseen, in order not to exceed the zero-line (H band). Stripping strength of the assembly bolt-nut could be jeopardized by a too much important allowance on thread size.



Hexagon nut (thickness 0,8 d)

Steel cl. 6 - cl. 8 - cl. 10



DIN 934 - Fine thread

Designation :

hexagon nut, thickness 0,8 d, \varnothing 16 mm, fine metric thread, pitch 1,5 mm = DIN 934 M16 x 1,5.

d	ISO SERIE 1 PITCH	ISO SERIE 2 PITCH	s	e	m	Weights in kg per 1000 p.	Packaging
M8	1		13	14,38	6,5	5,20	200
M10	1,25	1	17	18,90	8	11,6	
M12	1,5	1,25	19	21,10	10	17,3	100
M14	1,5		22	24,49	11	25,0	
M16	1,5		24	26,75	13	33,3	
M18	2	1,5	27	30,14	15	49,4	
M20	2	1,5	30	33,53	16	64,4	50
M22	2	1,5	32	35,72	18	79,0	
M24	2	1,5	36	39,98	19	110	25
M27	2	1,5	41	45,63	22	165	
M30	2	1,5	46	51,28	24	223	
M33	2	1,5	50	55,80	26	288	
M36	3	1,5	60	61,31	29	393	
M39	3	1,5	60	66,96	31	502	
M42	3	1,5	65	72,61	34	652	
M45	3	1,5	70	78,26	36	800	
M48	3	1,5	75	83,91	38	977	
M52	3	1,5	80	89,56	42	1220	
M56	4	2	85	95,07	45	1420	
M60	4	2	90	99,21	48	1690	
M64	4	2	95	104,86	51	1980	
M68	4	2	100	110,51	54	2300	
M72	4	2	105	116,16	58	2670	
M76	4	2	110	121,81	61	3040	
M80	4	2	115	127,46	64	3440	
M85	4	2	120	133,11	68	3930	
M90	4	2	130	144,08	72	4930	
M100	4	2	145	161,02	80	6820	
M110	4	2	155	172,32	88	8200	
M125	4	2	180	200,57	100	13000	

Execution :

A (formerly m) \leq M16 as per DIN ISO 4759/1

B (formerly mg) $>$ M16 as per DIN ISO 4759/1

Thread :

according to DIN 13/12 and 15 - tolerance class 6 H.

Conc. : nuts with thread tolerance "6 H", with or without protective coating. According to the thickness of the protective layer (f. ex. in case of plating as per DIN 267/9) an allowance on pitch diameter ("oversizing") shall be foreseen, in order not to exceed the zero-line (H band). Stripping strength of the assembly bolt-nut could be jeopardized by a too much important allowance on thread size.

