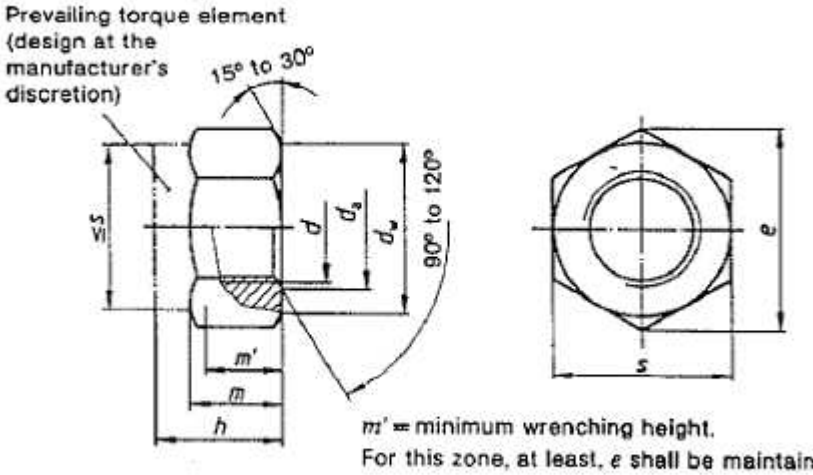
DIN6924

Prevailing torque type hexagon nuts

with nonmetallic insert

2 Dimensions



m' = minimum wrenching height.
For this zone, at least, *e* shall be maintained.

Thread size (d)		M 3	M 4	M 5	M 6	(M 7)	M 8	M 10	M 12	(M 14)	M 16	(M 18)
		–	–	–	–	–	M 8 × 1	M 10 × 1	M 12 × 1,5	(M 14 × 1,5)	M 16 × 1,5	(M 18 × 1,5)
		–	–	–	–	–	–	(M 10 × 1,25)	(M 12 × 1,25)	–	–	–
P [1]		0,5	0,7	0,8	1	1	1,25	1,5	1,75	2	2	2,5
d_s	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]	2,15	2,9	4,4	4,9	6,14	6,44	8,04	10,37	12,1	14,1	15,1
m'	min.	1,72	2,32	3,52	3,92	4,91	5,15	6,43	8,3	9,68	11,28	12,08
s	nominal size = max.	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

Thread size (d)		M 20	(M 22)	M 24	(M 27)	M 30	(M 33)	M 36	(M 39)	M 42	(M 45)	M 48
		M 20 × 1,5	(M 22 × 1,5)	M 24 × 2	(M 27 × 2)	M 30 × 2	(M 33 × 2)	M 36 × 3	(M 39 × 3)	M 42 × 3	(M 45 × 3)	M 48 × 3
		–	–	–	–	–	–	–	–	–	–	–
P [1]		2,5	2,5	3	3	3,5	3,5	4	4	4,5	4,5	5
d_s	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	25,6	29,4	31	33,9	37,3	40,4	43,4	46,4	48,4
m	min. [2]	16,9	18,1	20,2	22,5	24,3	27,4	29,4	31,8	34	36	38
m'	min.	13,52	14,48	16,16	18	19,44	21,92	23,52	25,44	27,2	28,8	30,4
s	nominal size = max.	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

Use of thread sizes given in brackets should be avoided where possible.

[1] P = pitch of coarse thread as specified in DIN 13 Part 12.

[2] Equal to minimum thread length.

3 Technical delivery conditions

Material		Steel
General requirements		As specified in DIN 267 Parts 1 and 15.
Thread	Tolerance	6H[1])
	As specified in	DIN 13 Parts 12 and 15.
Mechanical properties (nut body)	Property class (material)	For sizes up to M39: 5, 6[2]), 8, 10 and 12 (for sizes up to M16). For sizes over M39, subject to agreement.
	As specified in	ISO 898 Part 2 and DIN 267 Part 23.
Material (insert)		Nonmetallic, e.g. polyamide
Performance		As specified in DIN 267 Part 15.
Limit deviations and geometrical tolerances	Product grade	For sizes up to M16: A. For sizes over M16: B.
	As specified in	ISO 4759 Part 1.
Surface finish		As processed. DIN 267 Part 2 shall apply with regard to surface roughness. DIN 267 Part 20 shall apply with regard to permissible surface discontinuities. DIN 267 Part 9 shall apply with regard to electroplating.
Acceptance inspection		DIN 267 Part 5 shall apply with regard to acceptance inspection.

[1]) See DIN 267 Part 15 in this respect.
[2]) Only for fine pitch thread nuts.