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DEUTSCHE NORMEN

December 1972

No guarantee can be given in respect of this translation
In all cases the latest German-language version of this standard shall be taken as authoritative

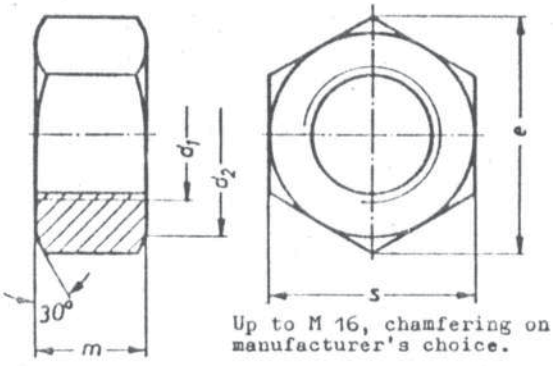
Hexagon Nuts
Metric Thread
Type g

DIN 555

Sechskantmuttern; Metrisches Gewinde; Ausführung g

The dimensions of the hexagon nuts according to this Standard correspond with those indicated in the ISO Recommendation ISO/R 272-1968 published by the International Organization for Standardization (ISO).

Dimensions in mm



Up to M 16, chamfering on one side permissible at manufacturer's choice.

Designation of a hexagon nut with thread d_1 = M 10:

Hexagon nut M 10 DIN 555

d_1	d_2 min.	e min.	m	s	Weight (7,85 kg/dm³) kg/1000 pieces ≈
M 5	7,2	8,63	4	8	1,11
M 6	9	10,89	5	10	2,32
M 8	11,7	14,20	6,5	13	4,62
M 10	15,3	18,72	8	17	10,9
M 12	17,1	20,88	10	19	15,9
M 16	21,6	26,17	13	24	30,8
M 20	27	32,95	16	30	60,3
M 22 [1]	28,8	35,03	18	32	80,2
M 24	32,4	39,55	19	36	103
(M 27)	36,9	45,20	22	41	154
M 30	41,4	50,85	24	46	216
(M 33)	45	55,37	26	50	271
M 36	49,5	60,79	29	55	369

d_1	d_2 [2] min.	e min.	m	s	Weight (7,85 kg/dm³) kg/1000 pieces ≈
(M 39)	54	66,44	31	60	472
M 42	62	72,09	34	65	610
(M 45)	66	77,74	36	70	750
M 48	71	83,39	38	75	924
(M 52)	76	89,04	42	80	1130
M 56	81	94,47	45	85	1350
(M 60)	85	100,12	48	90	1600
M 64	90	105,77	51	95	1880
M 72×6	100	117,07	58	105	2520
M 80×6	110	128,37	64	115	3260
M 90×6	125	145,09	72	130	4680
M 100×6	140	162,04	80	145	6340
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Bracketed sizes should be avoided wherever possible.

Technical conditions of delivery according to DIN 267

Strength category or material: 5 according to DIN 267 Part 4

Type: g according to DIN 267 Part 2

If surface protection is desired, the designation shall be augmented according to DIN 267 Part 9 or Part 10*).

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*) At present still circulating as draft

[1]) For steel construction only

[2]) For sizes M 42 upwards, d_2 is an approximate measurement only.

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