

## HEX NYLOCK NUT

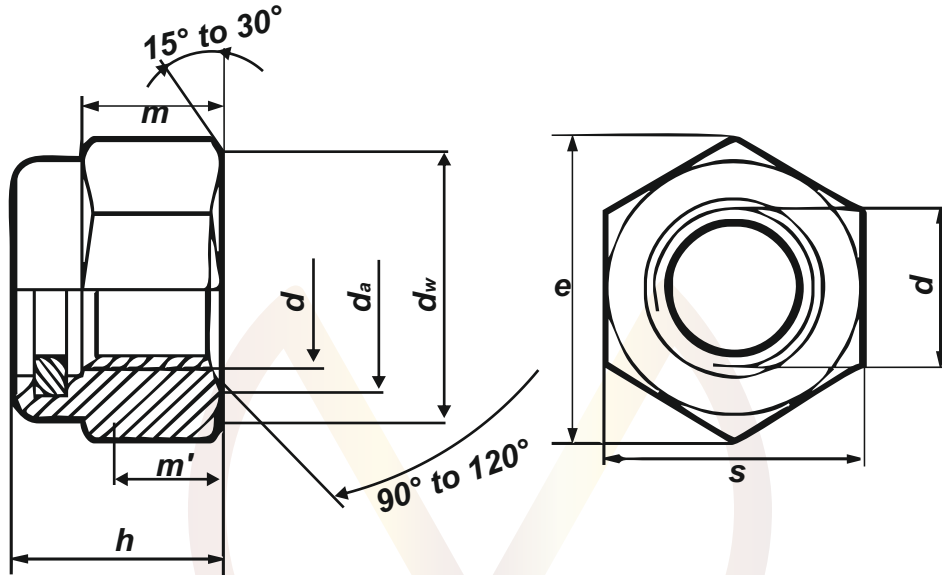
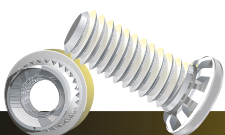


Table according to DIN 985:

dimensions in mm

Thread d	M3	M4	M5	M6	M7	M8	M10	M12	M14	M16	M18
	-	-	-	-	-	M8x1	M10x1	M12x1,5	M14x1,5	M16x1,5	M18x2
	-	-	-	-	-	-	M10x1,25	M12x1,25	-	-	M18x1,25
P	0,5	0,7	0,8	1	1	1,25	1,5	1,75	2	2	2,5
e	min.	6,01	7,66	8,79	11,05	12,12	14,38	18,9	21,1	24,49	29,56
	nominal= max.	4	5	5	6	7,5	8	10	12	14	16
h	min.	3,7	4,7	4,7	5,7	7,14	7,64	9,64	11,57	13,3	17,66
	min.	2,4	2,9	3,2	4	4,7	5,5	6,5	8	9,5	10,5
s	nominal= max.	5,5	7	8	10	11	13	17	19	22	24
	min.	5,32	6,78	7,78	9,78	10,73	12,73	16,73	18,67	21,67	23,6





**DIN 985**

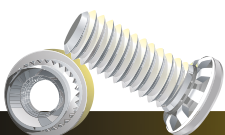
## NYLOCK NUT

Thread d	M20	M22	M24	M27	M30	M33	M36	M39	M42	M45	M48	
	M20x2	M22x2	M24x2	M27x2	M30x2	M33x2	M36x3	M39x3	M42x3	M45x3	M48x3	
	M20x1,5	M22x1,5	-	-	-	-	-	-	-	-	-	
P	2,5	2,5	3	3	3,5	3,5	4	4	4,5	4	4,5	
e	min.	32,95	35,03	39,55	45,2	50,85	55,37	60,79	66,44	72,09	76,95	82,6
h	nominal= max.	20	22	24	27	30	33	36	39	42	45	48
	min.	18,7	20,7	22,7	25,7	28,7	31,4	34,4	37,4	40,4	43,4	46,4
m	min.	14	15	15	17	19	22	25	27	29	32	36
s	nominal= max.	30	32	36	41	46	50	55	60	65	70	75
	min.	29,16	31	35	40	45	46	53,8	58,8	63,8	68,1	73,1

### Technical delivery conditions

Material	Steel
General requirements	As specified in DIN 267 Parts 1 and 15.
Thread	6H <sup>1)</sup>
Tolerance	DIN 13 Parts 12 and 15.
Mechanical properties. (nut body)	For sizes up to M 39: 5, 6 <sup>2)</sup> , 8 or 10. For sizes over M 39 : by agreement
Property class (material)	DIN 267 Part 4.
As specified in	
Material (insert)	Nonmetallic, e.g. polyamide
Performance (prevailing torques)	As specified in DIN 267 Part 15.
Limit deviations and geometrical tolerances	For sizes up to M 16: A (previously, design m) For sizes over M 16 : B (previously, design mg).
Product grade	ISO 4759 Part 1.
As specified in	
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 thread nuts.





**DIN 985**

## NYLOCK NUT

**Note 1.** The property classes specified in DIN 267 Part 4 have been retained for nuts covered in this standard, i.e. there has been no changeover to the new property classes specified in ISO 898 Part 2 involving higher proof load values, as these nuts cannot reliably be assumed to resist the higher proof loads because of their dimensions (height). Even to sustain the lower proof loads as hitherto specified in DIN 267 Part 4, nuts assigned to property class 8 may still require quenching and tempering. Hot formed nuts of sizes greater than M 16 assigned to property class B, and all nuts assigned to property class 10 are to be quenched and tempered.

**Note 2.** Tolerance class 6H shall apply for the thread of nuts with and without coating. Where a protective coating is applied, e.g. an electroplated coating complying with DIN 267 Part 9, depending on the coating thickness required, it may be necessary to select a larger fundamental deviation than that assigned to the H position (see DIN 267 Part 9). This, however, might impair the resistance of the bolt/nut assembly to stripping.

### 4 Mass

The values of mass are given for guidance only.

Thread size	M 3	M 4	M 5	M 6	M 7	M 8	M 10	M 12	M 14	M 16	M 18
Mass (7,85 kg/dm <sup>3</sup> ) for 1000 units, in kg, ≈.	0,5	1	1,4	2,4	3	5,1	10,6	17,2	26	34	45

Thread size	M 20	M 22	M 24	M 27	M 30	M 33	M 36	M 39	M 42	M 45	M 48
Mass (7,85 kg/dm <sup>3</sup> ) for 1000 units, in kg, ≈.	65	75	100	162	212	317	415	499	628	771	998

Approximately the same values may be assumed for fine thread nuts.

SPECIFICATIONS & DETAILS			
MVD PART CODE	MV985XXX	MVD DESCRIPTION	HEX NYLOCK NUT STL MXX
DRAWN BY	ABHISHEK	APPROVED BY	MAGESH
DRAWING REV. NO	00	MATERIAL	CARBON STEEL
DATE		FINISH	TRIVALENT BLUE

ALL DIMENSIONS ARE IN MM, UNLESS SPECIFIED

