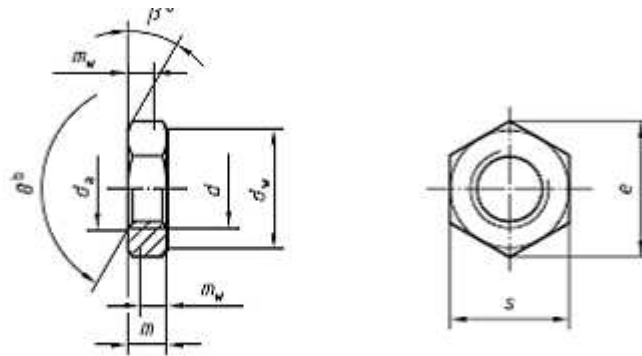


### Hexagon thin nuts (chamfered) — Product grades A and B



- a  $\beta = 15^\circ$  to  $30^\circ$
- b  $\theta = 110^\circ$  to  $120^\circ$

Table 1 — Preferred threads

Dimensions in millimetres

Thread ( <i>d</i> )		M1,6	M2	M2,5	M3	M4	M5	M6	M8	M10	M12
$p^a$		0,35	0,4	0,45	0,5	0,7	0,8	1	1,25	1,5	1,75
$d_a$	max.	1,84	2,3	2,9	3,45	4,6	5,75	6,75	8,75	10,8	13
	min.	1,80	2,0	2,5	3,00	4,0	5,00	6,00	8,00	10,0	12
$d_w$	min.	2,4	3,1	4,1	4,6	5,9	6,9	8,9	11,6	14,6	16,6
$e$	min.	3,41	4,32	5,45	6,01	7,66	8,79	11,06	14,36	17,77	20,03
$m$	max.	1,00	1,20	1,60	1,90	2,20	2,70	3,2	4,0	5,0	6,0
	min.	0,75	0,95	1,35	1,55	1,95	2,45	2,9	3,7	4,7	5,7
$m_B$	min.	0,6	0,8	1,1	1,2	1,6	2	2,3	3	3,8	4,6
$s$	nom. = max.	3,20	4,00	5,00	5,50	7,00	8,00	10,00	13,00	16,00	18,00
	min.	3,02	3,82	4,82	5,32	6,78	7,78	9,78	12,73	15,73	17,73

Thread ( <i>d</i> )		M16	M20	M24	M30	M36	M42	M48	M56	M64
$p^a$		2	2,5	3	3,5	4	4,5	5	5,5	6
$d_a$	max.	17,3	21,6	25,9	32,4	38,9	45,4	51,8	60,5	69,1
	min.	16,0	20,0	24,0	30,0	36,0	42,0	48,0	56,0	64,0
$d_w$	min.	22,5	27,7	33,2	42,8	51,1	60	69,5	78,7	88,2
$e$	min.	26,75	32,95	39,55	50,85	60,79	71,3	82,6	93,56	104,86
$m$	max.	6,00	10,0	12,0	15,0	18,0	21,0	24,0	29,0	32,0
	min.	7,42	9,1	10,9	13,9	16,9	19,7	22,7	28,7	30,4
$m_B$	min.	5,9	7,3	8,7	11,1	13,5	15,8	18,2	21,4	24,3
$s$	nom. = max.	24,00	30,00	36	46	55,0	65,0	75,0	85,0	95,0
	min.	23,67	29,16	35	45	53,9	63,1	73,1	82,8	92,8

<sup>a</sup>  $P$  is the pitch of the thread.

**Table 3 — Specifications and reference standards**

Material		Steel	Stainless steel	Non-ferrous metal
General requirements	International Standard	ISO 8992		
	Tolerance	6H		
Thread	International Standards	ISO 724, ISO 965-1		
	Property class	$d < M3$ : as agreed $M3 \leq d \leq M39$ : 04, 05 $d > M39$ : as agreed	$d \leq M24$ : A2-035, A4-035 $M24 < d \leq M39$ : A2-025, A4-025	Materials specified in ISO 8839
International Standards	$d < M3$ : as agreed $M3 \leq d \leq M39$ : ISO 898-2 $d > M39$ : as agreed	$d \leq M39$ : ISO 3506-2 $d > M39$ : as agreed		
Tolerances	Product grade	$d \leq M16$ : A $d > M16$ : B		
	International Standard	ISO 4759-1		
Finish and/or coating		As processed  Requirements for electroplating are covered in ISO 4042  Requirements for non-electrolytically applied zinc flake coatings are covered in ISO 10683  If different electroplating requirements are desired or if requirements are needed for other finishes, they should be agreed between customer and supplier.  Limits for surface discontinuities are covered in ISO 6157-2	Plain	Plain  Requirements for electroplating are covered in ISO 4042
Acceptability		For acceptance procedure, see ISO 3269.		