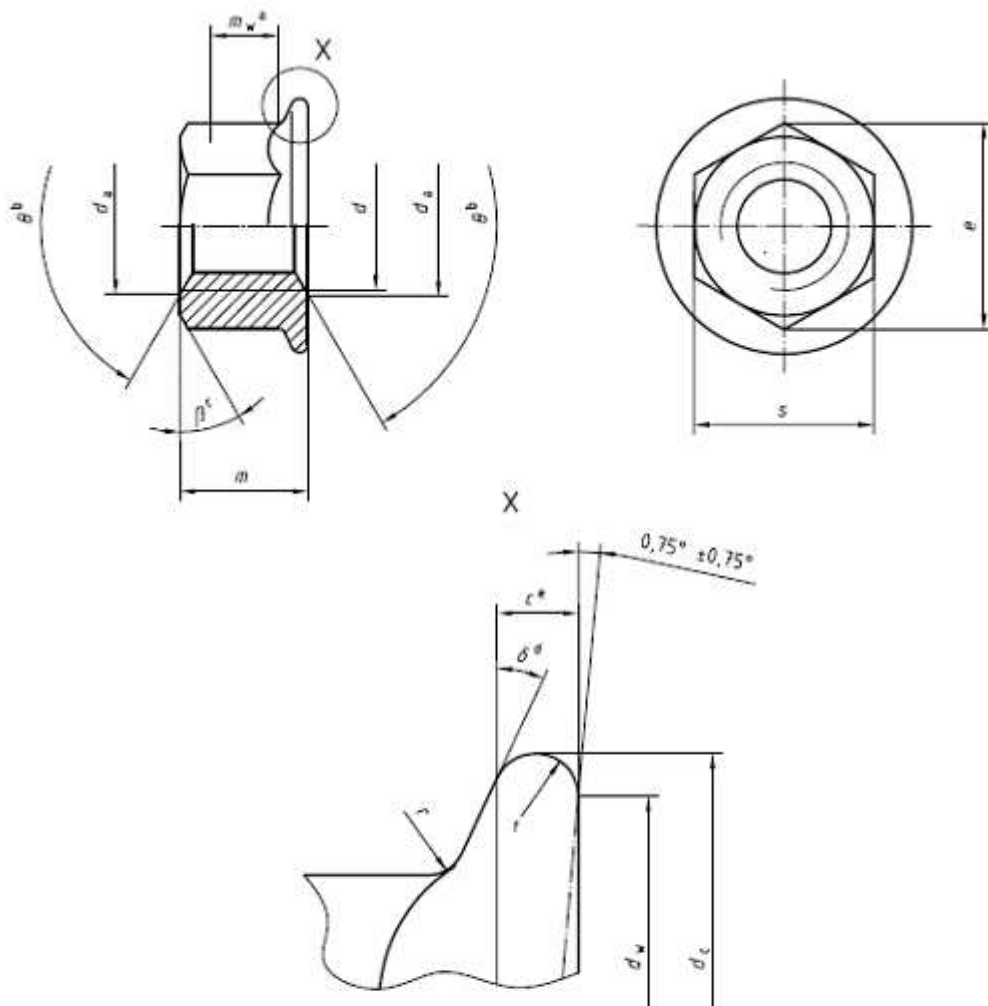


Hexagon nuts with flange — Coarse thread



^a m_w is the wrenching height; see note to Table 1

^b $\theta = 90^\circ$ to 120°

^c $\beta = 15^\circ$ to 30°

^d $\delta = 15^\circ$ to 25°

^e c is measured at $d_{k, \min}$

^f Edge contour optional

Table 1 — Dimensions

Dimensions in millimetres

Thread (<i>d</i>)		M5	M6	M8	M10	M12	(M14) ^a	M16	M 20
<i>p</i> ^b		0,8	1	1,25	1,5	1,75	2	2	2,5
<i>c</i>	min.	1	1,1	1,2	1,5	1,8	2,1	2,4	3
<i>d_a</i>	min.	5,00	6,00	8,00	10,0	12	14,0	16,0	20,0
	max.	5,75	6,75	8,75	10,8	13	15,1	17,3	21,6
<i>d_c</i>	max.	11,8	14,2	17,9	21,8	26,0	29,9	34,5	42,8
<i>d_w</i>	min.	9,8	12,2	15,8	19,6	23,8	27,6	31,9	39,9
<i>e</i>	min.	8,79	11,05	14,38	16,64	20,03	23,36	26,75	32,95
<i>m</i>	max.	5,0	6,0	8,00	10,00	12,00	14,0	16,0	20,0
	min.	4,7	5,7	7,64	9,64	11,57	13,3	15,3	18,7
<i>m_w</i>	min.	2,5	3,1	4,6	5,6	6,8	7,7	8,9	10,7
<i>s</i>	max.	8,00	10,00	13,00	15,00	18,00	21,00	24,00	30,00
	min.	7,78	9,78	12,73	14,73	17,73	20,67	23,67	29,16
<i>r</i> ^c	max.	0,3	0,4	0,5	0,6	0,7	0,9	1	1,2

NOTE If the product passes the gauging given in annex A, the requirements for dimensions *e*, *c* and *m_w* are satisfied.

^a The size in parentheses should be avoided if possible.

^b *p* is the pitch of the thread.

^c Radius *r* applies both at the corners and the flats of the hexagon.

Table 2 — Requirements and reference International Standards

Material		Steel				Stainless steel
General requirements	International Standard	ISO 8992				
	Tolerance	6H				
Thread	International Standards	ISO 261, ISO 965-2				
	Property class	8	9	10	12	A2-70
Mechanical properties	Style decisive for mechanical properties ^a	$d \leq M16$ style 1	$d > M16$ style 2	style 2	style 1	
		International Standards	ISO 898-2			
Tolerances	Product grade	$d \leq M16$: A $d > M16$: B				
	International Standard	ISO 4759-1				
Finish		As processed				Plain
		Requirements for electroplating are covered in ISO 4042. If different electroplating requirements are desired or if requirements are needed for other finishes, they shall be agreed between supplier and customer. Limits for surface discontinuities are covered in ISO 6157-2.				
Acceptability		For acceptance procedure, see ISO 3269.				

^a Based on the nut height (dimension h_{min}) nuts to this International Standard are of style 2. However, since for style 2, ISO 898-2 does not specify mechanical properties for all property classes and sizes as specified in this International Standard, in some cases nuts have to be tested according to style 1.