

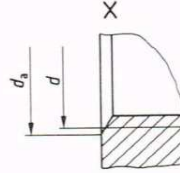
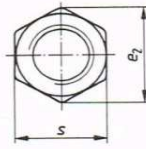
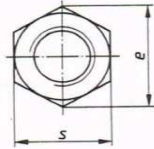
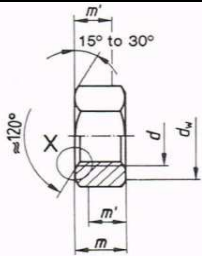


Descriptif technique produit

Date création	05/12
Modification	03/16
Version	2

Désignation : ECROU HEXAGONAL

Référence normative : DIN 934



In the case of sizes of M110 or more, the hexagon edges may be radiused (Gr).

m' = minimum wrenching height (0,8 m minimum).
For designation, see clause 4.

Valeurs dimensionnelles

Thread size (d)	M 1	M 1,2	M 1,4	M 1,6	M 2	M 2,5	M 3	(M 3,5)	M 4	M 5	M 6	(M 7)	
$P^1)$	0,25	0,25	0,3	0,35	0,4	0,45	0,5	0,6	0,7	0,8	1	1	
d_a	min.	1	1,2	1,4	1,6	2	2,5	3	3,5	4	5	6	7
	max.	1,15	1,4	1,6	1,84	2,3	2,9	3,45	4	4,6	5,75	6,75	7,75
d_w	min.	2	2,1	2,1	2,4	3,2	4,1	4,5	5	5,8	6,8	8,8	9,5
e	min.	2,71	3,28	3,28	3,41	4,32	5,45	6,01	6,58	7,66	8,79	11,05	12,12
m	max. = nominal size	0,8	1	1,2	1,3	1,6	2	2,4	2,8	3,2	4	5	5,5
	min.	0,55	0,75	0,95	1,05	1,35	1,75	2,15	2,55	2,9	3,7	4,7	5,2
m'	min.	0,44	0,6	0,76	0,84	1,08	1,4	1,72	2,04	2,32	2,96	3,76	4,16
$s^2)$	max. = nominal size	2,5	3	3	3,2	4	5	5,5	6	7	8	10	11
	min.	2,4	2,9	2,9	3,02	3,82	4,82	5,32	5,82	6,78	7,78	9,78	10,73

Thread size (d)	M 8	M 10	M 12	(M 14)	M 16	(M 18)	M 20	
	M 8 x 1	M 10 x 1	M 12 x 1,5	(M 14 x 1,5)	M 16 x 1,5	(M 18 x 1,5)	M 20 x 2	
	-	M 10 x 1,25	M 12 x 1,25	-	-	(M 18 x 2)	M 20 x 1,5	
$P^1)$	1,25	1,5	1,75	2	2	2,5	2,5	
d_a	min.	8	10	12	14	16	18	20
	max.	8,75	10,8	13	15,1	17,3	19,5	21,6
d_w	min.	11,3	15,3	17,2	20,2	22,2	25,3	28,2
e	min.	14,38	18,9	21,1	24,49	26,75	29,56	32,95
m	max. = nominal size	6,5	8	10	11	13	15	16
	min.	6,14	7,64	9,64	10,3	12,3	14,3	14,9
m'	min.	4,91	6,11	7,71	8,24	9,84	11,44	11,92
$s^2)$	max. = nominal size	13	17	19	22	24	27	30
	min.	12,73	16,73	18,67	21,67	23,67	26,16	29,16

Caractéristiques mécaniques

Material	Steel	Stainless steel	Non-ferrous metals
General requirements	As specified in DIN 267 Part 1.		
Thread	Tolerance	6H ¹⁾	
	As specified in	DIN 13 Parts 12 and 15.	
Mechanical properties	Property class (material)	For size M 2,5 or less: 6; for sizes between M 3 and M 39: 6, 8 or 10; for sizes above M 39: subject to agreement.	For sizes up to M 39: A 2-70 or A 4-70; for sizes above M 39: subject to agreement.
	As specified in	DIN 267 Part 4	DIN 267 Part 11
Limit deviations, geometrical tolerances	Product grade	For sizes up to M 16: A; for larger sizes: B.	
	As specified in	ISO 4759 Part 1.	
Surface finish	As processed.	Bright.	Bright.
	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 21 shall apply with regard to the widening test. DIN 267 Part 9 shall apply with regard to electroplating. ¹⁾ DIN 267 Part 10 shall apply with regard to hot dip galvanizing.		
Acceptance inspection	DIN 267 Part 5 shall apply with regard to acceptance inspection.		
¹⁾ 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, particularly in the case of tolerance class 6H nuts, 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.			