

DIN6923

Hexagon nuts with flange

Dimensions

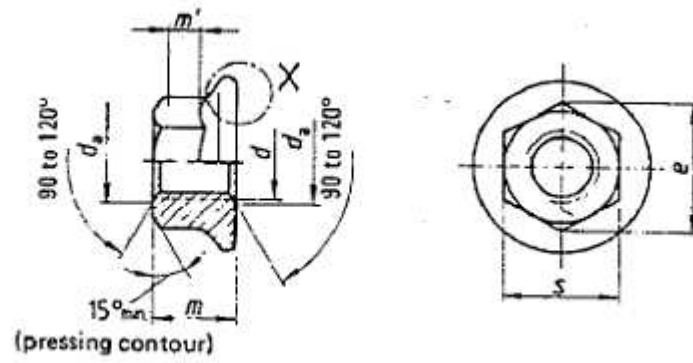


Table 1.

Thread size <i>d</i>	M 5	M 6	M 8	M 10	M 12	M 14	M 16	M 20
	—	—	M 8 X 1	M 10 X 1,25	M 12 X 1,5	M 14 X 1,5	M 16 X 1,5	M 20 X 1,5
	—	—	—	(M 10 X 1)	(M 12 X 1,25)	—	—	—
<i>P</i> 1)	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_s</i> min.	5	6	8	10	12	14	16	20
	max.	5,75	6,75	8,75	10,8	13	15,1	17,3
<i>d_o</i> max.	11,8	14,2	17,9	21,8	26	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	6	8	10	12	14	16	20
	min.	4,7	5,7	7,6	9,6	11,6	13,3	15,3
<i>m'</i> min.	2,2	3,1	4,5	5,5	6,7	7,8	9	11,1
	Nominal dimension = max.	8	10	13	15	18	21	24
<i>s</i> min.	7,78	9,78	12,73	14,73	17,73	20,67	23,67	29,67
	<i>r</i> 2) max.	0,3	0,36	0,48	0,6	0,72	0,88	0,96

e min. = 1,13 *s* min.
 The sizes in brackets should be avoided for functional reasons, if possible.
 1) *P* = pitch of coarse thread as specified in DIN 13 Part 12.
 2) Radius *r* shall apply both for the edges of adjoining flats and for the transition between hexagon corners and flange.

4 Technical delivery conditions

Material	Steel	Stainless steel
General requirements	In accordance with DIN 267 Part 1.	
Thread	Tolerance	6g
	Standard	DIN 13 Part 12 and Part 15
Mechanical properties	Property class 1) (material)	8, 10, 12
	Standard	DIN ISO 898 Part 2 DIN 267 Part 23 (at present at the stage of draft)
Permissible dimensional deviations and deviations of form	Product grade	A
	Standard	DIN ISO 4759 Part 1 2)
Surface	As processed. DIN 267 Part 2 (at present at the stage of draft) shall apply with regard to the peak-to-valley heights of the surfaces. DIN 267 Part 20 shall apply with regard to permissible surface irregularities. DIN 267 Part 9 shall apply with regard to electroplating. DIN 267 Part 10 shall apply with regard to hot-dip galvanizing.	Bright.
Acceptance testing	DIN 267 Part 5 (at present at the stage of draft) shall apply with regard to acceptance testing.	

1) Other property classes or materials shall be subject to agreement. 2) As a deviation from DIN ISO 4759 Part 1, May 1980 edition, subclause 11.3, the parallelism of the flats may lie within the tolerance class h13 for the width across flats.