INTERNATIONAL STANDARD

ISO 13754

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Textile machinery and accessories — Hexagon nuts and slotted nuts for spinning and twisting spindles

Matériel pour l'industrie textile — Écrous hexagonaux et écrous fendus pour les broches de filature et de retordage

Reference number
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Contents

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 13754 was prepared by Technical Committee ISO/TC 72*, Textile machinery and machinery for dry-cleaning and industrial laundering*, Subcommittee SC 1, *Spinning preparatory, spinning, twisting and winding machinery and accessories*.

Textile machinery and accessories — Hexagon nuts and slotted nuts for spinning and twisting spindles

1 Scope

This International Standard specifies the dimensions for hexagon nuts and slotted nuts for spindles used in spinning and twisting machines for textile yarns.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 898-5:1998, *Mechanical properties of fasteners made of carbon steel and alloy steel — Part 5: Set screws and similar threaded fasteners not under tensile stresses*.

ISO 2768-1:1989, *General tolerances — Part 1: Tolerances for linear and angular dimensions wihout individual tolerance indications.*

ISO 4759-1:—[1)], *Tolerances for fasteners — Part 1: Bolts, screws, studs and nuts — Product grades A, B and C.*

3 Dimensions

Nuts for spindles shall have dimensions in accordance with Figure 1 and Table 1 or Figure 2 and Table 2.

1) To be published. (Revision of ISO 4759-1:1978)

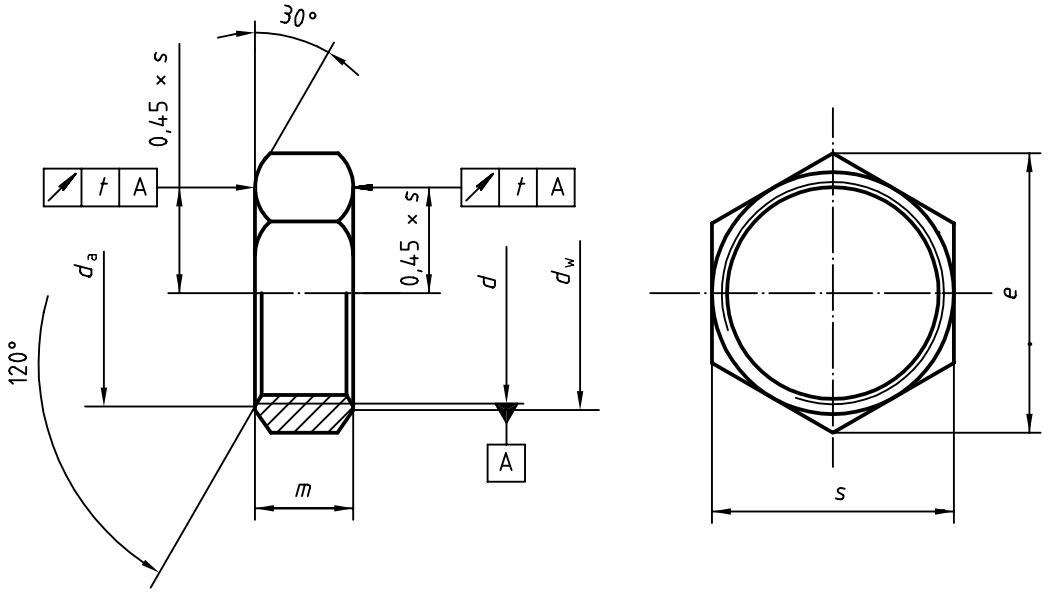

Figure 1 — Type A — Hexagon nuts

Table 1 — Hexagon nuts

Dimensions in millimetres

Thread	d_a		d_w	e	s [a]		m		t
($d \times P$)	min.	max.	min.	min.	min.	max.			
M22 × 1,5	22,0	22,8	30,2	35,03	31	32	13		0,2
M24 × 1,5	24,0	24,8	30,2	35,03	31	32	16		0,25
M25 × 1,5	25,0	25,8	30,2	35,03	31	32	9	16	0,25
M27 × 1,5	27,0	27,8	30,2	35,03	31	32	12	16	0,25
M32 × 1,5	32,0	32,8	39,2	45,2	40	41	12	20	0,3
M35 × 1,5	35,0	35,8	44,2	50,85	45	46	14	20	0,35
M40 × 1,5	40,0	40,8	44,2	50,85	45	46	14	20	0,4
M45 × 1,5	45,0	45,8	58	66,44	58,8	60,0	22	33	0,45
M55 × 1,5	55,0	55,8	67,3	76,95	68,1	70,0	22	55	0,5

[a] s_{max} = nominal dimension of s.

Dimensions in millimetres

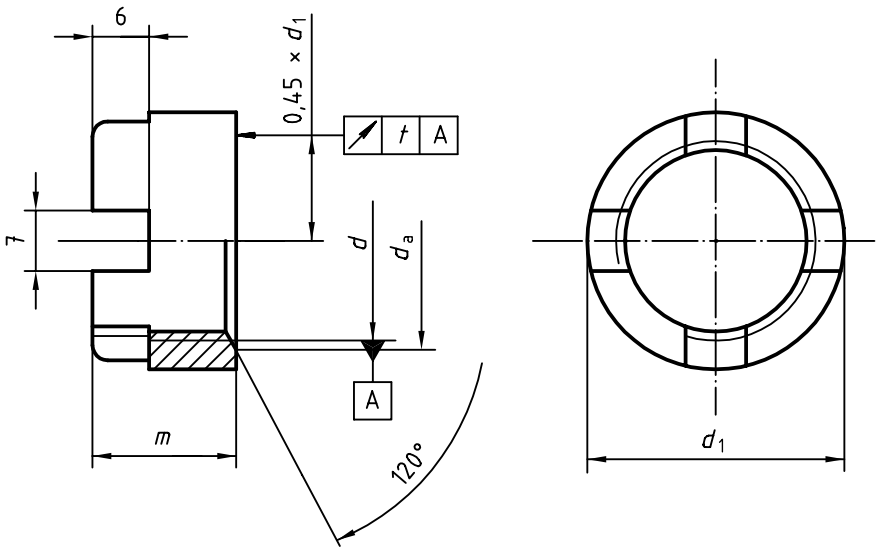

Figure 2 — Type B — Slotted nuts

Table 2 — Slotted nuts

Dimensions in millimetres

Thread ($d \times P$)	d_a min.	d_a max.	d_1	m	t
M22 × 1,5	22,0	22,8	30	16	0,2
M25 × 1,5	25,0	25,8	32	19	0,25
M27 × 1,5	27,0	27,8	34	20	0,25

4 Technical specifications

Property class: 14H in accordance with ISO 898-5.

Execution: product grade B in accordance with ISO 4759-1.

General tolerances: in accordance with ISO 2768-1.

5 Designation

The designation of a hexagon or slotted nut in accordance with this International Standard shall include the following information, in the order given:

a) “Nut”;

b) reference to ISO 13754;

c) the type of nut (A or B);

d) the thread designation;

e) the height m, in millimetres.

EXAMPLE

A hexagon nut, type A, of thread M27 × 1,5 and height m = 12 is designated as follows

Nut ISO 13754 A M27 × 1,5 -12

ICS 59.120.10

Price based on 4 pages