

INTERNATIONAL
STANDARD

ISO
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**Textile machinery and accessories — Latch-
type needles for knitting machines —
Coordination of shank widths and hook
heights**

Matériel pour l'industrie textile — Aiguilles à clapet pour machines à tricoter — Coordination des épaisseurs de tige et hauteurs de crochet



Reference number
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Foreword

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International Standard ISO 11825 was prepared by Technical Committee ISO/TC 72, *Textile machinery and allied machinery and accessories*, Subcommittee SC 3, *Machinery for fabric manufacture*.

Annex A of this International Standard is for information only.

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Textile machinery and accessories — Latch-type needles for knitting machines — Coordination of shank widths and hook heights

1 Scope

A wide range of latch needles is used in the knitting industry and by the machine manufacturers, and frequently not all sizes are available. As a result, large storage areas are taken up and an uneconomical number of needles is kept in stock.

Rationalization should be provided by standardizing the shank widths and the hook heights of needles.

This International Standard specifies appropriate dimensions for these and relates them to the needle pitches of the knitting machines concerned.

2 Dimensions

Table 1 — Recommended values for latch needle shank widths

Dimensions in millimetres

0,26	0,3	0,32	0,34*)	0,36	0,41	0,5	0,62	0,75	0,9	1	1,3	1,5	1,8	2
*) Only for RL-circular knitting machines with small diameter.														

Table 2 — Recommended values for latch needle hook heights

Dimensions in millimetres

0,8	0,85	0,9	1	1,1	1,2	1,35	1,5	1,7	2	2,4	2,65	3	3,45	4	5,5	6,9
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3 Combinations of shank width and hook height in relation to needle pitch

Recommendations are given in table 3 for shank widths and hook heights in relation to needle pitch. In special cases, hook can be related to shank widths other than those included in table 1.