INTERNATIONAL STANDARD

ISO 7114

First edition
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Household sewing machines — Numerical classification

Machines à coudre domestiques (ou de ménage) — Classification numérique

Reference number
ISO 7114:1990(E)

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.

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 7114 was prepared by Technical Committee ISO/TC 148, *Sewing machines*.

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Household sewing machines — Numerical classification

1 Scope

This International Standard establishes a numerical classification for household sewing machines.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 4915:1981, *Textiles — Stitch types — Classification and terminology*.

ISO 7115:—[1], *Sewing machines — Vocabulary, classification and technical characteristics*.

3 Definitions

For the purposes of this International Standard, the definitions given in ISO 7115 apply.

4 Classification criteria

The numerical classification for household sewing machines is established on the basis of the following criteria:

a) shape of the working surface;

b) type of drive;

c) stitch type category;

d) stitch programme mechanism;

e) programme type;

f) thread loop-taker;

g) material feed system.

5 Characteristics

The characteristics of classification criteria a) to g) are specified in tables 1 to 7 respectively.

1) To be published.

6 Numerical classification

A household sewing machine in accordance with this International Standard shall be designated by a seven-digit numeral corresponding to the classification criteria characteristics of the machine.

EXAMPLE

A household sewing machine

a) fitted with a free arm (table 1, No. 3);

b) driven by a motor with electronic control (table 2, No. 6);

c) producing straight and zigzag stitch types (table 3, No. 3);

d) with a programme for selecting the width of the stitch type (table 4, No. 2);

e) with fixed mechanical programme type (table 5, No. 0);

f) fitted with a rotary thread loop-taker on a horizontal axis perpendicular to the feed direction (table 6, No. 6); and

g) with a lower feed system (table 7, No. 2).

shall be designated as follows:

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Table 1 — Shape of the working surface

Designation No.	Flat-bed	Raised flat-bed	Free arm	Convertible bed
1	+			
2		+		
3			+	
4				+

Table 2 — Type of drive

Designation No.	Hand	Foot	With motor			
			No control	Mechanical control	Control by rheostat regulator	Electronic control
1	+					
2		+				
3			+			
4				+		
5					+	
6						+

Table 3 — Stitch type category

Designation No.	Straight	Zigzag	Utilitarian	Ornamental
1	+			
2	+		+	
3	+	+		
4	+	+	+	
5	+	+		+
6	+	+	+	+

NOTE — Stitch type designation, description and illustration, see ISO 4915.

Table 4 — Stitch programme mechanism

Designation No.	Without programme	With programme for selecting	
		the length of the stitch type, forward and backward movement	the width of the stitch type
0	+		
1		+	
2			+
3		+	+

Table 5 — Programme type

Designation No.	Mechanical	Electromechanical	Electronical	Fixed	Interchangeable
0	+			+	
1	+				+
2	+			+	+
3		+		+	
4		+			+
5		+		+	+
6			+	+	
7			+		+
8			+	+	+

Table 6 — Thread loop-taker

Designation No.	Movement	Horizontal axis parallel to feed direction	Horizontal axis perpendicular to feed direction	Inclined axis	Vertical axis
1	Oscil-lating	+			
2			+		
3				+	
4					+
5	Rotary	+			
6			+		
7				+	
8					+

Table 7 — Material feed system

Designation No.	Upper feed	Lower feed
1	+	
2		+
3	+	+

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