
घरेलू प्रयोजनों हेतु सिलाई मशीनों के लिए
स्लाइड प्लेट — विशिष्टि
(पहला पुनरीक्षण)

Slide Plates for Sewing Machines for
Household Purposes —
Specification
(First Revision)

ICS 61.080

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FOREWORD

This Indian Standard (First Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Sewing Machine Sectional Committee had been approved by the Mechanical Engineering Division Council.

This standard covers the requirements for slide plates for sewing machines for household purposes.

This standard was first published in 1987. The first revision has been taken up for incorporating the modifications found necessary as a result of experience gained with the use of this standard. Also, in this revision, the standard has been brought into the latest style and format of Indian Standards, and references wherever applicable have been updated. The BIS certification marking clause has been modified to align with the revised *Bureau of Indian Standards Act, 2016*.

The composition of the Committee responsible for the formulation of this standard is given in [Annex B](#).

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 2022 'Rules for rounding off numerical values (*second revision*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

*Indian Standard***SLIDE PLATES FOR SEWING MACHINES FOR HOUSEHOLD PURPOSES — SPECIFICATION***(First Revision)***1 SCOPE**

This standard lays down requirements for slide plates for sewing machines for household purposes.

2 REFERENCES

The standards given below contain provisions which, through reference in this text, constitute provision of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent edition of these standards:

<i>IS No.</i>	<i>Title</i>
IS 513 (Part 1) : 2016	Cold reduced low carbon steel sheets and strips: Part 1 Cold forming and drawing purpose (<i>sixth revision</i>)
IS 1068 : 1993	Electroplated coating of nickel plus chromium and copper plus nickel plus chromium — Specification (<i>third revision</i>)
IS 2500 (Part 1) : 2000/ISO 2859- 1 : 1999	Sampling procedures for inspection by attributes: Part 1 Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection (<i>third revision</i>)
IS 4905 : 2015/ ISO 24153 : 2009	Random sampling and randomization procedures (<i>first revision</i>)

3 MATERIAL

The slide plate shall be made from steel sheet conforming to grade CR1 of IS 513 (Part 1).

4 DIMENSIONS AND TOLERANCES

It shall be as shown in [Fig. 1](#).

5 CONSTRUCTION AND FUNCTIONS

5.1 Play of slide plate shall be at a minimum when fitted to bed.

5.2 Surfaces of the slide plate shall not project above the surface of the needle plate.

5.3 The edges of the top surfaces shall be smoothly chamfered.

5.4 Slide plate spring shall function properly.

6 WORKMANSHIP AND FINISH

6.1 The slide plate shall be of superior finish, free from cracks, flaws burrs and rust.

6.2 The slide plate shall be nickel-chrome plated in accordance with IS 1068. The thickness of plating shall conform to service grade 3.

6.3 Plated surface shall be smooth and allow smooth feeding of fabrics. Colour and lustre of plated surface shall be satisfactory and free from unevenness.

7 MARKING

The slide plate shall be marked with the manufacturer's name or trademark, if required.

7.1 BIS Certification Marking

The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the *Bureau of Indian Standards Act, 2016* and the Rules and Regulations framed thereunder, and the product(s) may be marked with the Standard Mark.

8 PACKING

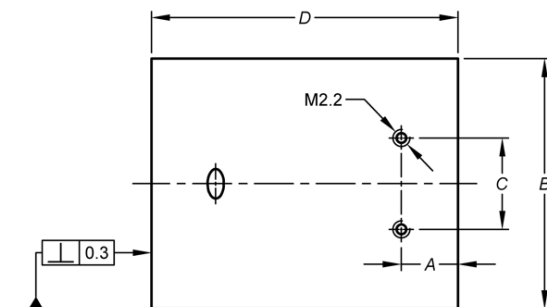
Each slide plate shall be given a suitable anti-rust coating. The wrapped slide plates shall be securely packed in accordance with best prevalent trade practice. Each package shall bear the manufacturer's name, trademark and the description of contents.

9 SAMPLING

Unless otherwise agreed to between the supplier and the purchaser, the sampling plan as given in [Annex A](#) shall be followed. For further information, reference may be made to IS 2500 (Part 1)/ISO 2859-1.

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All dimensions in millimetres.

	A	B	C	D
Type A	13.13 ⁰ _{-0.26}	63.90 ⁰ _{-0.20}	23.08 ⁰ _{-0.16}	73.20 ⁰ _{-0.40}
Type B	12.83 ⁰ _{-0.26}	63.50 ⁰ _{-0.20}	22.94 ⁰ _{-0.16}	71.35 ⁰ _{-0.40}

FIG. 1 DIMENSIONS FOR SLIDE PLATE FOR SEWING MACHINE

ANNEX A

(Clause 9)

SCALE OF SAMPLING AND CRITERIA FOR CONFORMITY

A-1 SCALE OF SAMPLING

A-1.1 Lot

In any consignment, all the slide plates of the same type and manufactured from the same material under essentially similar conditions of manufacture shall

be grouped together to constitute a lot.

A-1.2 For ascertaining the conformity of the lot to the requirements of specification, tests shall be carried out for each lot separately. The number or slide plates to be selected at random for this purpose shall be in accordance with col (2) and col (3) of [Table 1](#).

Table 1 Scale of Sampling and Permissible Number of Defectives

(Clauses [A-1.2](#), [A-1.4](#) and [A-2.1](#))

SI No.	Number of Slide Plate <i>N</i>	For Dimensions, Tolerances, Workmanship and Finish	
		Sample Size <i>n</i>	Permissible Number of Defectives*
(1)	(2)	(3)	(4)
i)	Upto 15	5	0
ii)	16 to 40	8	0
iii)	41 to 110	13	0
iv)	111 to 300	20	1
v)	301 to 500	32	1
vi)	501 to 800	50	2
vii)	801 to 1 300	80	3
viii)	1 301 and above	125	5

A-1.3 If the slide plates are packed individually, in order to ensure the randomness of selection, IS 4905/ISO 24153 shall be used.

A-1.4 If the slide plates are packed in different cartons, a suitable number of cartons (not less than 20 percent of the total in the lot subject to a minimum of 2) shall be chosen at random. From each of the cartons so chosen, an approximately equal number of slide plates shall be picked up from its different parts so as to obtain the required number of slide plate specified in col (3) of [Table 1](#).

A-2 NUMBER OF TESTS AND CRITERIA FOR CONFORMITY

A-2.1 The slide plates selected according to [A-1.2](#) and [A-1.3](#) or [A-1.4](#) shall be examined for dimensions and tolerances (*see* [4](#)), and workmanship and finish (*see* [6](#)). If the number of slide plates failing to meet one or more of the requirements mentioned above is less than or equal to the permissible number of defectives given in col (4) of [Table 1](#), the lot shall be declared as conforming to the requirements of these characteristics.

*This ensures that lots containing only 1.5 percent or if less defectives shall be accepted most of the time.

ANNEX B

(Foreword)

COMMITTEE COMPOSITION

Sewing Machines Sectional Committee, MED 29

<i>Organization</i>	<i>Representative(s)</i>
Research & Development Centre for Bicycle and Sewing Machines, Ludhiana	SHRI SANJEEV KATOCH (<i>Chairperson</i>)
Brother International (India) Private Limited, Mumbai	SHRI MATHEW YOHANNAN
C. R. Auluck & Sons Private Limited, Ludhiana	SHRI SUNIL AULUCK SHRI KULJEET SINGH (<i>Alternate</i>)
Directorate General of Quality Assurance, New Delhi	SHRI R. V. JAIN
G. D. Rupal Industries, Ludhiana	SHRI GURMUKH SINGH
Gee Tech Hooks, Ludhiana	SHRI MANJEET SINGH
Geminy Industrial Enterprises Private Limited, Ludhiana	SHRI VINAY DUA SHRI B. C. PANDEY (<i>Alternate</i>)
Ludhiana Sewing Machine Association, Ludhiana	SHRI HARDEEP SINGH SHRI RAJVINDER (<i>Alternate</i>)
Makhan Sewing Machines, Ludhiana	SHRI DALBIR SINGH DHIMAN
Narindera and Company, Ludhiana	SHRI S. BALDEV SINGH SHRI HARINDER JIT SINGH (<i>Alternate</i>)
Navrang Manufacturing Corporation, Ludhiana	SHRI DINESH KAPILA SHRI SUDESH KAPILA (<i>Alternate</i>)
Northern India Textile Research Association, Ghaziabad	SHRI VIKAS SHARMA SHRI VIVEK AGARWAL (<i>Alternate</i>)
Novel Sewing Machine Technologies, Pune	SHRI BHARAT NARAYENDAS PARMAR SHRI ARJUN BHARAT PARMAR (<i>Alternate</i>)
Office of Development Commissioner (MSME), New Delhi	SHRI SUVANKAR SANTRA MSHRIMATI MAITREYEE TALAPATRA (<i>Alternate</i>)
ORAA International, Ludhiana	SHRI ASHISH GUPTA
Ranew Engineering (India) Private Limited, Ludhiana	SHRI SANJEEV KUMAR JAIN SHRI ABHILASH JAIN (<i>Alternate</i>)
Research & Development Centre for Bicycle and Sewing Machines, Ludhiana	SHRI PAPINDER SINGH SHRI VISHWAS MEHTA (<i>Alternate I</i>) SHRI MANPREET SINGH (<i>Alternate II</i>)
Singer India Limited, New Delhi	SHRI PRASHANT AGGARWAL SHRI ATUL KUMAR SETH (<i>Alternate</i>)
Swan Mechanical Works, Ludhiana	SHRI AMARJEET SINGH
United Sewing Machines and Parts Manufacturing Association, Ludhiana	SHRI DALBIR SINGH DHIMAN

<i>Organization</i>	<i>Representative(s)</i>
Usha International Limited, New Delhi	SHRI RUP LAL KANGLA SHRI PRANAY SRIWASTAV (<i>Alternate</i>)
Uttam Sewing Machine Company (Private) Limited, Jalandhar	SHRI JAGDEEP RAI SHRI MANOHAR LAL (<i>Alternate</i>)
Virindra Engineering Works, Ludhiana	SHRI AMARPREET SINGH PANESAR SHRI SWARN SINGH (<i>Alternate</i>)
Voluntary Organisation in Interest of Consumer Education (VOICE), New Delhi	SHRI M. A. U. KHAN
BIS Directorate General	SHRI K. VENKATESWARA RAO, SCIENTIST 'F'/SENIOR DIRECTOR AND HEAD (MECHANICAL) [REPRESENTING DIRECTOR GENERAL (<i>Ex-officio</i>)]

Member Secretary
SHRI SHUBHAM TIWARI
SCIENTIST 'D'/JOINT DIRECTOR
(MECHANICAL), BIS

Bureau of Indian Standards

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Amendments Issued Since Publication

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