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भारतीय मानक मसौदा
मिडवाइफरी फोर्सप्स, छोटा — विशिष्टि
(IS 7116: 1973 का पहला पुनरीक्षण)

Draft Indian Standard
Midwifery Forceps, Short — Specification
(First revision of IS 7116: 1973)

ICS 11.040.30

Obstetric and Gynaecological Instruments
and Appliances Sectional Committee, MHD 03

Last date for comments: **10 August 2025**

FOREWORD

(Formal clauses will be added later)

This standard was first published in 1973. This revision has been brought out to align the standard with the latest style and format of Indian Standards. This revision incorporates Amendment No.1 issued in 1983.

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 same as that of the specified value in this standard.

1 SCOPE

This standard specifies the general requirements, dimensions, and tests for short midwifery forceps.

2 REFERENCES

The standards given below contain provisions which, through reference in this text, constitute the provisions 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 editions of these standards.

<i>IS No.</i>	<i>Title</i>
IS 1501 (Part 1): 2025/ ISO 6507-1: 2023	Metallic Materials — Vickers Hardness Test Part 1 Test Method (<i>sixth revision</i>)
IS 3642 (Part 1): 1990	Surgical instruments – Specification Part 1 Non-cutting, articulated instruments (<i>second revision</i>)
IS 6911: 2017	Stainless steel plate, sheet and strip – Specification (<i>second revision</i>)
IS 7531: 1990	Surgical instruments – Corrosion resistance of stainless-steel surgical instruments – Methods of tests (<i>first revision</i>)

3 MATERIAL

The material shall be stainless steel conforming to designation X20Cr13 or X30Cr13 of IS 6911.

4 SHAPE AND DIMENSIONS

4.1 The shape and dimensions shall be as shown in Fig. 1

4.2 Tolerances on the dimensions shall be as per 4.2 of IS 3642 (Part 1).



FIG. 1 FORCEPS, MIDWIFERY, SHORT

5.1 All surfaces shall be free from burrs, pits, cracks, etc.

5.2 All the edges shall be smoothly rounded and shall not be sharp.

5.3 The blades shall lock and unlock easily at the double slot lock.

5.4 The forceps shall be passivated and polished bright.

The instrument shall be uniformly hardened and tempered to 350 to 420 HV when tested in accordance with IS 1501 (Part 1).

7 TESTS

7.1 Lock the blades, clamp the handle of the forceps in a vice with the blades protruding above it. Grip the curved part of the blades between both hands. Make the tips of the blades to touch each other and then open ten times. On completion of test, the blade shall show no permanent set.

7.2 With the blades locked as given in **6.1**, grip the curved part of the blades in each hand and using a moderate degree of force pull the blades away from one another. On release of the force, the blades shall not show any permanent set.

7.3 Corrosion Resistance Test

The forceps shall be tested in accordance with IS 7531. The forceps shall show no sign of corrosion after the test.

8 MARKING

8.1 The product shall be legibly and indelibly marked with the following:

- a. Manufacturer's name, initials or registered trade-mark;
- b. Country of manufacture;
- c. The letters 'R' and 'L' on the right and left halves of the handle for quick assembly;
and
- d. The words 'Stainless Steel' or the letters 'SS'

8.2 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 there under, and the product(s) may be marked with the Standard Mark.

9 PACKING

The forceps shall be wrapped in moisture-proof paper and packed in polyethylene bags, avoiding contact with one another.