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Indian Standard
SPECIFICATION FOR
FENCING PLIERS

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BUREAU OF INDIAN STANDARDS
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002

Indian Standard

SPECIFICATION FOR FENCING PLIERS

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Indian Standard

SPECIFICATION FOR FENCING PLIERS

0. FOREWORD

0.1 This Indian Standard was adopted by the Indian Standards Institution on 17 April 1969, after the draft finalized by the Hand Tools Sectional Committee had been approved by the Mechanical Engineering Division Council.

0.2 This standard lays down the requirements for fencing pliers suitable for maintaining and installing wire fence on metal or wooden posts.

0.3 For the preparation of this standard, assistance has been derived from GGG-P-471C 'Pliers' issued by USA Federal Supply Service.

0.4 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, shall be rounded off in accordance with IS: 2-1960*. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

1. SCOPE

1.1 This standard covers the requirements for fencing pliers.

2. NOMENCLATURE

2.1 For the purpose of this standard, the nomenclature as given in IS: 2615-1964† shall apply.

3. GENERAL REQUIREMENTS

3.1 The material, manufacture, workmanship and finish, tests, preservation and packing and sampling shall conform to IS: 2615-1964†.

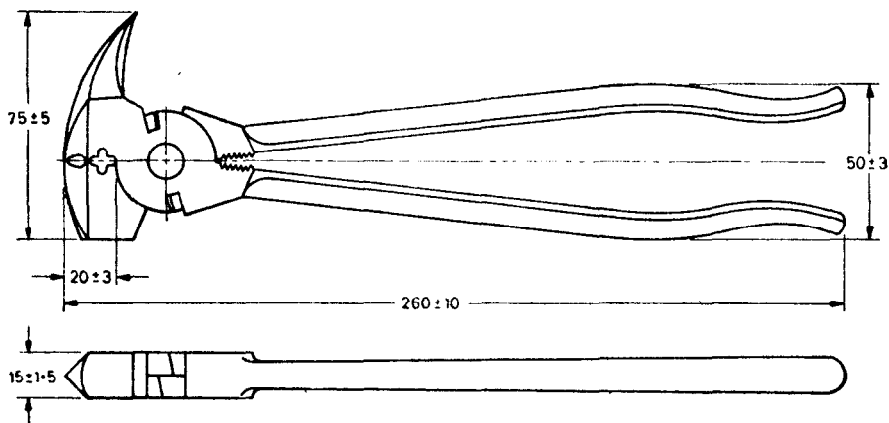
*Rules for rounding off numerical values (revised).

†General requirements for pliers, pincers and nippers.

3.2 The heads of pliers shall have a hammer on one jaw and a starting and pulling point on the other. The pliers shall be provided with two side wire cutters and two eyes in the end of head for twisting and splicing wire. The handles shall be provided with a milled grip adjacent to the joint suitable for wire stretching.

4. DIMENSIONS

4.1 The main dimensions for fencing pliers shall be as given in Fig. 1.



All dimensions in millimetres.

FIG. 1 DIMENSIONS FOR FENCING PLIERS

5. HARDNESS

5.1 The jaws shall have a hardness within the range of 450 to 700 *HV* (see IS : 1501-1968*) and the side cutters shall have a hardness within the range of 600 to 740 *HV* or its equivalent in other scales.

5.1.1 The hardness shall be tested as specified in IS : 2615-1964†.

6. MARKING

6.1 The pliers shall be clearly and legibly stamped with the manufacturer's name, initials and recognized trade-mark, if any, and year of manufacture, if required by the purchaser.

*Method for Vickers hardness test for steel (first revision).

†General requirements for pliers, pincers and nippers.

6.1.1 The pliers may also be marked with the ISI Certification Mark.

NOTE — The use of the ISI Certification Mark is governed by the provisions of the Indian Standards Institution (Certification Marks) Act, and the Rules and Regulations made thereunder. Presence of this mark on products covered by an Indian Standard conveys the assurance that they have been produced to comply with the requirements of that standard, under a well-defined system of inspection, testing and quality control during production. This system, which is devised and supervised by ISI and operated by the producer, has the further safeguard that the products as actually marketed are continuously checked by ISI for conformity to the standard. Details of conditions, under which a licence for the use of the ISI Certification Mark may be granted to manufacturers or processors, may be obtained from the Indian Standards Institution.

7. TESTS

7.1 In addition to the tests specified in IS : 2615-1964*, the following test shall also be carried out.

7.1.1 Handle Load Test — The pliers shall be tested for deflection and permanent set in accordance with 9.5 of IS : 2615-1964*. The deflection and the permanent set of the handles shall not exceed 14.0 mm and 1.5 mm respectively on an application of a moment of 14.0 kgf.m.

*General requirements for pliers, pincers and nippers.

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