

BUREAU OF INDIAN STANDARDS

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भारतीय मानक मसौदा

न्यूरोसर्जिकल उपकरण - सुई धारक - आकार और लंबाई-चौड़ाई

(IS 13175 का पहला पुनरीक्षण)

Draft Indian Standard

Neurosurgical Instruments - Needle Holder - Shape and Dimensions

(First Revision of IS 13175)

[ICS 11.040.30]

Neurosurgery Instruments Implants and
Accessories Sectional Committee, MHD 07

Last date for comments: 12 July, 2024

FOREWORD

(Formal clause will be added later)

This standard was originally published in 1999. The First revision of this standard has been brought out to align it with recent developments and to bring the standard in line with the latest style and format of Indian Standards.

This standard covers the requirements in respect of shape and dimensions only, as the specification part of these types of instruments is covered in IS 3642 (Part 1): 1990 'Surgical Instruments Specification: Part 1 Non-cutting, articulated instruments (second revision)'. This standard is therefore intended to be used only in respect of shape and dimensions, which are referred to in 4.1 of IS 3642 (Part 1) : 1990.

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.

Indian Standard

NEUROSURGICAL INSTRUMENTS - NEEDLE HOLDER - SHAPE AND DIMENSIONS

1 SCOPE

This standard prescribes shape and dimensions for needle holder used in neurosurgery.

2 REFERENCES

The standards given below contain provisions, which, through reference in this text, constitute 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 3642 (Part 1) : 1990	Surgical instruments - Specification: Part 1 non - Cutting, articulated instruments (Second Revision)

3 SHAPE AND DIMENSIONS

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

3.2 Joint

The joint shall be of box type in accordance with **13.2.2** of IS 3642(Part 1).

3.3 Ratchet

Ratchet teeth shall conform to section **4** of IS 3642(Part 1) with a combination of **3** in **3**.

3.3.1 The ratchet teeth shall be designed such that the load at which the first ratchet just engages shall be between 2.0 to **2.5** kg.

3.4 Finger Loop

The finger loop shall conform to size No. 1 of Section **6** of IS 3642(Part 1).

3.5 Bows

The bows of needle holder shall be gold plated.

3.6 Jaws

The needle holder shall have tungsten carbide insert jaws with matt finish.

3.7 Serrations

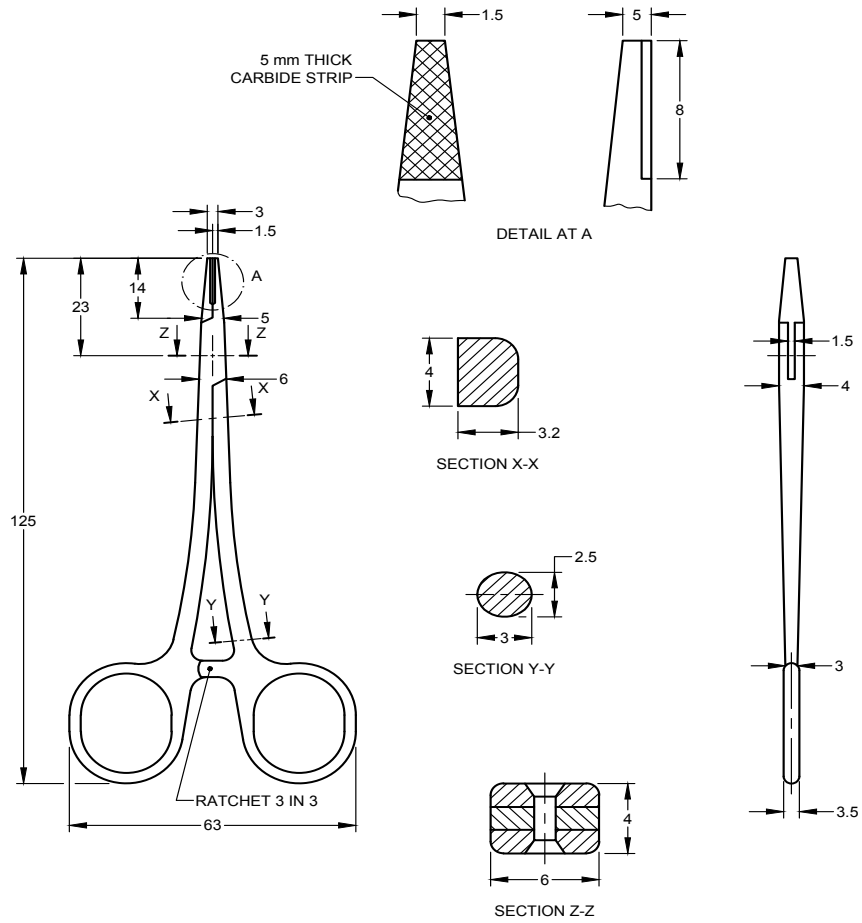
These shall be cross type serrations in accordance with Fig. 2C of IS 3642(Part 1)

4 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.

5 Packaging

Each product shall be wrapped in a moisture-proof paper or polyethylene bag and packed in a suitable cardboard carton. The packing may also be done as agreed between the purchaser and the supplier. On the package of the product batch Number, Lot Number, and Serial Number shall be mentioned.



All dimensions in millimetres.

FIG. 1 NEEDLE HOLDER