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भारतीय मानक मसौदा

क्यूरेट, बैलेंस के पैटर्न के लिए विशिष्टि

(IS 8093 का पहला पुनरीक्षण)

Draft Indian Standard

Specification for Curette, Ballance's Pattern

(First Revision of IS 8093)

[ICS 11.040.30]

Ear, Nose, Throat, Head & Neck Surgery
Instruments Sectional Committee, MHD 04

Last date for comments: **22 July, 2024**

FOREWORD

(Formal clause will be added later)

This standard was originally published in 1976. 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.

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
SPECIFICATION FOR CURETTE, BALLANCE'S PATTERN

1 SCOPE

Covers dimensional and other requirements for Ballance's pattern double-ended curette fenestrated with scoop used in ear, nose and throat surgery.

2 REFERENCES

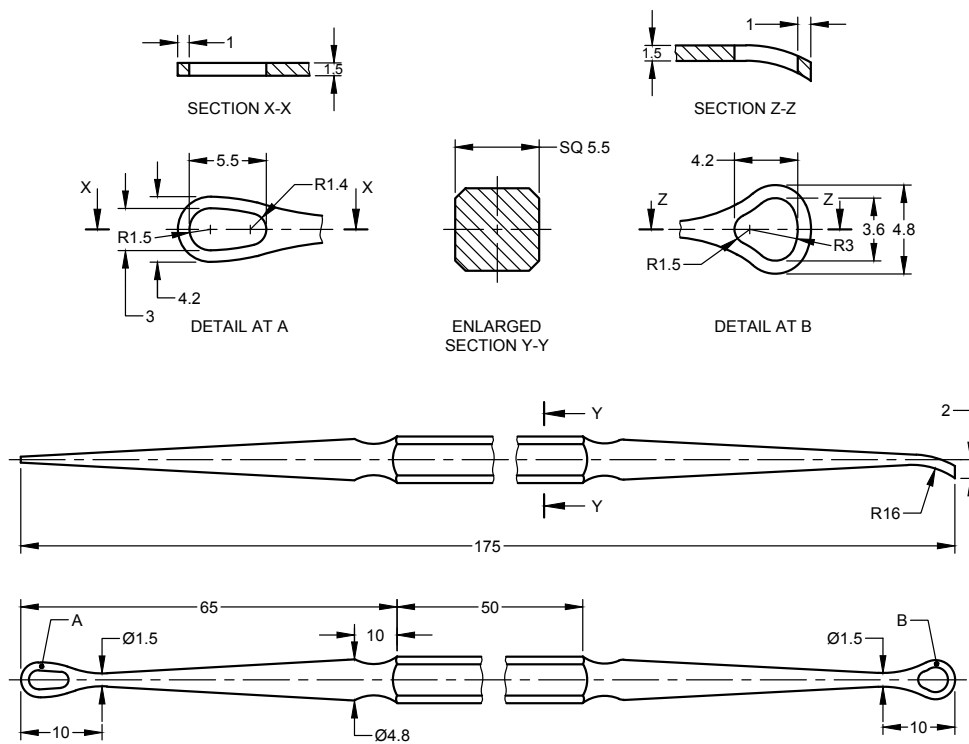
The standards given below contain provisions which, through reference in this text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate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

<i>IS No.</i>	<i>Title</i>
IS 6603: 2024	Stainless Steel Semi-Finished Products, Bars, Wire Rods and Bright Bars Specification (Second Revision)
IS 7531: 1990	Surgical instruments - Corrosion resistance of stainless-steel surgical instruments - Methods of tests (First Revision)

3 SHAPE AND DIMENSIONS

As shown in Fig. 1.

3.1 A deviation of ± 2.5 percent shall be allowed on all dimensions:



All dimensions in millimetres.

FIG. 1 CURETTE, BALLANCE'S PATTERN

4 MATERIAL

Curette shall be of stainless-steel conforming to Designation 30Cr13 of IS :6603.

5 WORKMANSHIP AND FINISH

5.1 The surfaces of the curette shall be free from pits, dents, burrs, scale and other surface defects.

5.2 All the edges shall be even and rounded off except the working ends, which shall be semi-sharp at the curette end and blunt at the scoop end.

5.3 The curette shall be uniformly hardened and tempered.

5.4 The fenestration shall be neatly cut.

5.5 The curette shall be polished bright and passivated.

5.6 The curette shall be well-balanced and symmetrical on its centerline.

6 HEAT TREATMENT

The curette shall be uniformly hardened and tempered. Hardness when measured as near the working edge as possible shall be between 400 and 450 HV.

7 TESTS

7.1 Performance Test - Clamp the middle portion of the curette in a suitable vice so that each end projects about 40 mm from the vice in the horizontal plane. Apply a force of 40 N (4 kgf approx.) gradually from the working end at a distance of 15 mm from the tip. Similarly apply the force at the other end through the same distance. On completion of the test on both sides, the curette shall show no sign of damage or permanent set.

7.2 Corrosion Resistance Test -The curette shall satisfy the boiling and autoclaving test as mentioned in IS: 7531

8 Marking

The curette shall be marked with the manufacturer's name, initials or registered trademark.

9 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.

10 PACKING

The curette shall be wrapped in moisture-proof paper or packed in polyethylene bags avoiding contact with one another. The curette may also be packed as agreed to between the purchaser and the supplier. On the package of the product batch Number, Lot Number, and Serial Number shall be mentioned.