

**BUREAU OF INDIAN STANDARDS**

**DRAFT FOR COMMENTS ONLY**

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भारतीय मानक मसौदा  
**डेंटल मैट्रिक्स रिटेनर्स — विशिष्टि**  
*[IS 6815 का पहला पुनरीक्षण]*

*Draft Indian Standard*  
**Dental Matrix Retainers — Specification**  
*[First Revision of IS 6815]*

**[ICS 11.060.20]**

Dentistry Sectional Committee, MHD 08

Last date for comments:  
**06 September 2024**

**FOREWORD**

*(Formal clause will be added later)*

This standard was originally published in 1972 as 'Specification for Retainers, Matrix, Dental, No. 1 and 2'. This revision aligns the cross references to the latest standards, incorporates revised designations for steel and revised certification clause.

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.

## 1 SCOPE

This standard specifies dimensions and other requirements for matrix retainers No. 1 and 2 used in dentistry.

## 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>
MHD/08/20630	Cutting Type Dental Instruments — General Requirements (Second Revision)
IS 1570 (Part 5) : 1985	Schedules for wrought steels Part 5 stainless and heat-resisting steels ( <i>Second Revision</i> )

## 3 SHAPES AND DIMENSIONS

The shape and dimensions shall be as shown in Fig. 1 and 2.

## 4 MATERIAL

The material shall be made from stainless steel conforming to Designation X20Cr13 of IS 1570(Part 5).

## 5 WORKMANSHIP AND FINISH

**5.1** The instrument shall be free from defects which detract from its appearance or impair its service ability.

**5.2** All surfaces and edges shall be smooth to prevent pinching or scratching of mouth tissue.

**5.3** The instrument shall be suitably passivated and polished bright.

## 6 HEAT TREATMENT

The instrument shall be uniformly hardened and tempered to 370 to 410 *HV*.

## 7 CORROSION RESISTANCE TEST

The instrument shall be tested as given in 9.1 of IS 3887.

## 8 MARKING

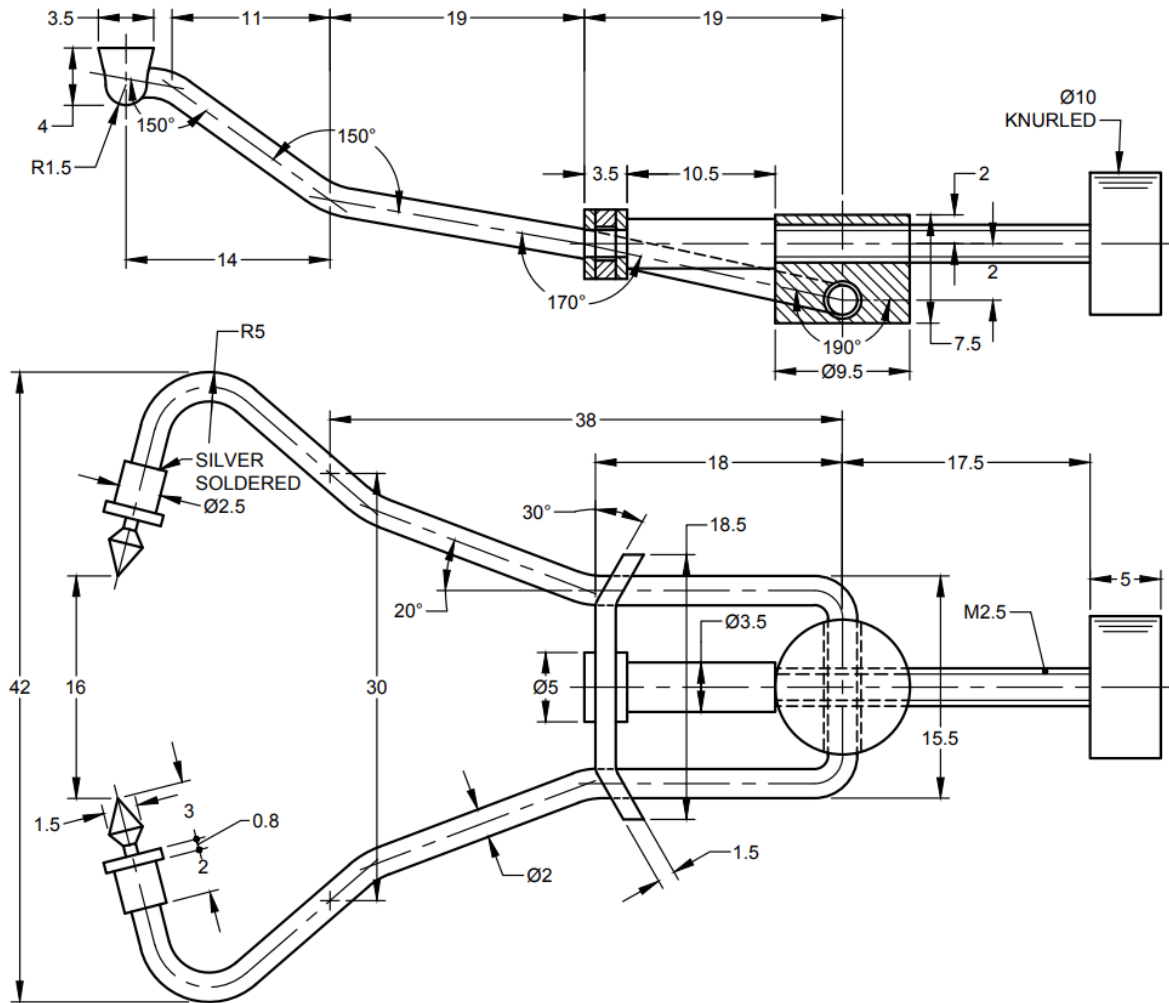
8.1 The instrument shall be marked with the number of the instrument, manufacturer's name, initials or trade-mark; the letters 'SS'; and the country of manufacture.

### 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.

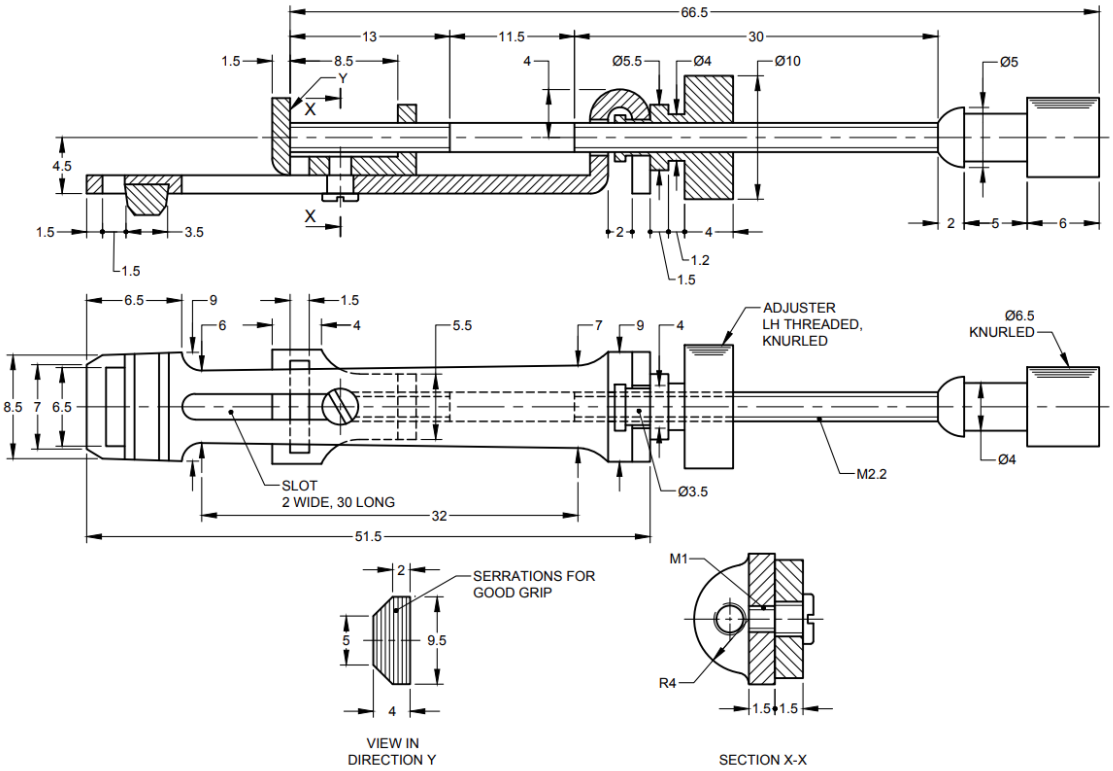
## 9 PACKING

As agreed to between the purchaser and the supplier.



All dimensions in millimetres.

Fig. 1 Retainer, Matrix, Dental, No. 1



All dimensions in millimetres.  
Fig. 2 Retainer, Matrix, Dental, No. 2