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भारतीय मानक मसौदा

एजवाइज़ टॉर्किंग कुंजी — विशिष्टि

[IS 10309 का पहला पुनरीक्षण]

Draft Indian Standard

Edgewise Torquing Key — Specification

[First Revision of IS 10309]

[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 1982 as 'Specification for key, torquing, edgewise'. 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 same as that of the specified value in this standard.

1 SCOPE

This standard covers the dimensional and other requirements for edgewise torquing key used in dentistry.

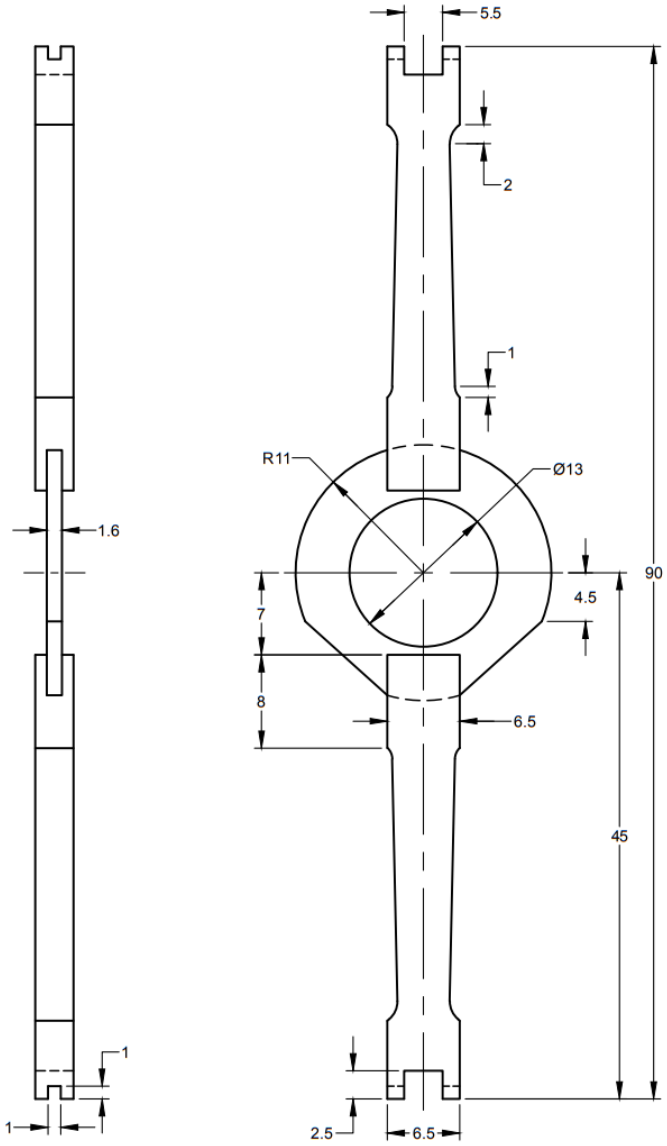
2 REFERENCES

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.

IS No.	*Title*
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

The shape and dimension shall be as shown in Fig. 1.



All dimensions in millimetres.
Fig. 1 Key, Torquing, Edgewise

3.1 Tolerances on depth and width of the channel shall be ± 0.05 mm.

3.2 Tolerances of ± 2.5 percent shall be allowed on all other dimensions.

4 MATERIAL

Stainless steel conforming to designation X20Cr13 of IS 6603.

5 WORKMANSHIP AND FINISH

5.1 The torquing key shall be free from rough edges, pits, burrs, cracks and other surface defects.

5.2 The torquing key shall be forged from a single piece.

5.3 The surfaces of the torquing key shall be finished smooth on all sides and the edges shall be bevelled suitably and shall not be sharp.

5.4 The torquing key shall be passivated and finished bright on all sides.

6 CORROSION RESISTANCE TEST

Test the instrument as prescribed in IS 7531. It shall show no sign of corrosion after the test.

7 MARKING

7.1 The torquing key shall be legibly and indelibly marked with manufacturer's name, initials or trade-mark and the country of manufacture.

7.2 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 thereunder, and the product(s) may be marked with the Standard Mark.

8 PACKING

The key shall be wrapped in a polyethylene bag using suitable cushioning material like folded tissue paper and shall then be packed in individual cartons bearing the name of the item, manufacturer's name or trade-mark, and the country of manufacture.